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

# Cover Page

**Order ID :** P3845

**Project ID :** NJ Waste Water PT

**Client :** Chemtech Consulting Group

| Lab Sample Number | Client Sample Number |
|---|---|
| P3845-01 | PT-VOA-WP |
| P3845-02 | PT-VOA-WP |
| P3845-03 | PT-BN-WP |
| P3845-04 | PT-BN-WP |
| P3845-05 | PT-BN-WP |
| P3845-06 | PT-ACIDS-WP |
| P3845-07 | PT-ACIDS-WP |
| P3845-08 | PT-ACIDS-WP |
| P3845-09 | PT-PEST-WP |
| P3845-10 | PT-PEST-WP |
| P3845-11 | PT-CHLR-WP |
| P3845-12 | PT-CHLR-WP |
| P3845-13 | PT-TXP-WP |
| P3845-14 | PT-TXP-WP |
| P3845-15 | PT-PCBW-WP |
| P3845-16 | PT-PCBW-WP |
| P3845-17 | PT-HERB-WP |
| P3845-18 | RR-GAS-WP |
| P3845-19 | RR-DIES-WP |
| P3845-20 | RR-8011-WP |
| P3845-21 | RR-PAH-WP |
| P3845-22 | 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: 10/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Chemtech Consulting Group**
**Project Name: NJ Waste Water PT**
**Project # N/A**
**Chemtech Project # P3845**
**Test Name: SVOCMS Group2**

**A. Number of Samples and Date of Receipt:**
22 Water samples were received on 09/05/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for SVOCMS Group2.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group2 was based on method 625.1,8270E and extraction was done based on method 3510.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BM091424.M) for Benzoic acid , 4,6-Dinitro-2-methylphenol, this compound is passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Sample PT-ACIDS-WP was diluted due to high concentration.

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**E. Additional Comments:**

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

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

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

# ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

CHEMTECH PROJECT NUMBER: P3845 MATRIX: Water

METHOD: 625.1,8270E/3510

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. | GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ) | | | ✓ |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series. | | | ✓ |
| 4. | GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series. | | | ✓ |
| 5. | GC/MS Calibration Requirements. | | ✓ | |
| | The % RSD is greater than 20% in the Initial Calibration (8270-BM091424.M) for Benzoic acid , 4,6-Dinitro-2-methylphenol, this compound is passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression<br>The Continuous Calibration met the requirements . | | | |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The Blank Spike met requirements for all samples .<br>The Blank Spike Duplicate met requirements for all samples . | | | |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| | Comments: | | | |

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

**(CONTINUED)**

| | | NA | NO | YES |
|---|---|---|---|---|
| 10. | Extraction Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |
| 11. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:

Sample PT-ACIDS-WP was diluted due to high concentration.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **P3845**

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

**QA Review Signature:** **SOHIL JODHANI** **Date:** **10/21/2024**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P3845 | **OrderDate:** | 9/5/2024 2:19:00 PM |
| **Client:** | Chemtech Consulting Group | **Project:** | NJ Waste Water PT |
| **Contact:** | QA Officer | **Location:** | QA Office,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P3845-03** | **PT-BN-WP** | **Water** | | | **09/03/24** | | | **09/05/24** |
| | | | SVOCMS Group1 | 8270E | | 09/12/24 | 09/16/24 | |
| **P3845-03DL** | **PT-BN-WPDL** | **Water** | | | **09/03/24** | | | **09/05/24** |
| | | | SVOCMS Group1 | 8270E | | 09/12/24 | 09/16/24 | |
| **P3845-06** | **PT-ACIDS-WP** | **Water** | | | **09/03/24** | | | **09/05/24** |
| | | | SVOCMS Group2 | 8270E | | 09/12/24 | 09/16/24 | |
| **P3845-06DL** | **PT-ACIDS-WPDL** | **Water** | | | **09/03/24** | | | **09/05/24** |
| | | | SVOCMS Group2 | 8270E | | 09/12/24 | 09/16/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P3845

**Client:** Chemtech Consulting Group

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **PT-ACIDS-WP** | | | | | | | |
| P3845-06 | PT-ACIDS-WP | WATER | Phenol | 130.000 | E | 0.93 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2-Chlorophenol | 160.000 | E | 0.71 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2-Methylphenol | 110.000 | E | 1.1 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2-Nitrophenol | 120.000 | E | 2 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,4-Dimethylphenol | 71.500 | | 1.5 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,4-Dichlorophenol | 56.400 | | 0.88 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 4-Chloro-3-methylphenol | 150.000 | E | 0.84 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,4,6-Trichlorophenol | 170.000 | E | 0.89 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,4,5-Trichlorophenol | 59.000 | | 1 | 5 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,4-Dinitrophenol | 180.000 | E | 6.4 | 10 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 4-Nitrophenol | 170.000 | E | 2 | 10 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 4,6-Dinitro-2-methylphenol | 140.000 | E | 3.1 | 10 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | Pentachlorophenol | 43.300 | | 1.9 | 10 | ug/L |
| P3845-06 | PT-ACIDS-WP | WATER | 2,3,4,6-Tetrachlorophenol | 120.000 | E | 0.79 | 5 | ug/L |
| | | | **Total Svoc :** | **1,680.20** | | | | |
| | | | **Total Concentration:** | **1,680.20** | | | | |
| **Client ID :** | **PT-ACIDS-WPDL** | | | | | | | |
| P3845-06DL | PT-ACIDS-WPDL | WATER | Phenol | 110.000 | D | 4.7 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2-Chlorophenol | 140.000 | D | 3.6 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2-Methylphenol | 100.000 | D | 5.7 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2-Nitrophenol | 98.800 | D | 9.8 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,4-Dimethylphenol | 63.800 | D | 7.6 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,4-Dichlorophenol | 49.500 | D | 4.4 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 4-Chloro-3-methylphenol | 140.000 | D | 4.2 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,4,6-Trichlorophenol | 140.000 | D | 4.5 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,4,5-Trichlorophenol | 58.300 | D | 5.1 | 25 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,4-Dinitrophenol | 110.000 | D | 32.1 | 50 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 4-Nitrophenol | 150.000 | D | 10 | 50 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 4,6-Dinitro-2-methylphenol | 100.000 | D | 15.4 | 50 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | Pentachlorophenol | 32.000 | JD | 9.3 | 50 | ug/L |
| P3845-06DL | PT-ACIDS-WPDL | WATER | 2,3,4,6-Tetrachlorophenol | 98.700 | D | 4 | 25 | ug/L |
| | | | **Total Svoc :** | **1,391.10** | | | | |
| | | | **Total Concentration:** | **1,391.10** | | | | |

# QC
# SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** P3845

**Client:** Chemtech Consulting Group

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| P3845-06 | PT-ACIDS-WP | 2-Fluorophenol | 150 | 141 | 94 | | 10 | 139 |
| | | Phenol-d6 | 150 | 140 | 93 | | 10 | 134 |
| | | 2,4,6-Tribromophenol | 150 | 148 | 98 | | 44 | 137 |
| P3845-06DL | PT-ACIDS-WPDL | 2-Fluorophenol | 150 | 123 | 82 | | 10 | 139 |
| | | Phenol-d6 | 150 | 124 | 83 | | 10 | 134 |
| | | 2,4,6-Tribromophenol | 150 | 127 | 85 | | 44 | 137 |
| PB163318BL | PB163318BL | 2-Fluorophenol | 150 | 124 | 83 | | 10 | 139 |
| | | Phenol-d6 | 150 | 109 | 73 | | 10 | 134 |
| | | 2,4,6-Tribromophenol | 150 | 107 | 71 | | 44 | 137 |
| PB163318BS | PB163318BS | 2-Fluorophenol | 150 | 156 | 104 | | 10 | 139 |
| | | Phenol-d6 | 150 | 140 | 93 | | 10 | 134 |
| | | 2,4,6-Tribromophenol | 150 | 142 | 95 | | 44 | 137 |
| PB163318BSD | PB163318BSD | 2-Fluorophenol | 150 | 153 | 102 | | 10 | 139 |
| | | Phenol-d6 | 150 | 139 | 92 | | 10 | 134 |
| | | 2,4,6-Tribromophenol | 150 | 142 | 95 | | 44 | 137 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P3845

**Client:** Chemtech Consulting Group

**Analytical Method:** 8270E **DataFile:** BM047568.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB163318BS | Phenol | 50 | 46.2 | ug/L | 92 | | | | 66 | 118 | |
| | 2-Chlorophenol | 50 | 45.3 | ug/L | 91 | | | | 70 | 117 | |
| | 2-Methylphenol | 50 | 44.5 | ug/L | 89 | | | | 69 | 109 | |
| | 3+4-Methylphenols | 50 | 43.7 | ug/L | 87 | | | | 67 | 106 | |
| | 2-Nitrophenol | 50 | 50.1 | ug/L | 100 | | | | 70 | 115 | |
| | 2,4-Dimethylphenol | 50 | 57.0 | ug/L | 114 | | | | 42 | 142 | |
| | 2,4-Dichlorophenol | 50 | 46.6 | ug/L | 93 | | | | 66 | 115 | |
| | Benzoic acid | 50 | 42.6 | ug/L | 85 | | | | 10 | 125 | |
| | 4-Chloro-3-methylphenol | 50 | 44.9 | ug/L | 90 | | | | 65 | 114 | |
| | 2,4,6-Trichlorophenol | 50 | 49.2 | ug/L | 98 | | | | 61 | 110 | |
| | 2,4,5-Trichlorophenol | 50 | 47.7 | ug/L | 95 | | | | 70 | 106 | |
| | 2,4-Dinitrophenol | 100 | 82.7 | ug/L | 83 | | | | 36 | 166 | |
| | 4-Nitrophenol | 100 | 110 | ug/L | 110 | | | | 45 | 147 | |
| | 4,6-Dinitro-2-methylphenol | 50 | 44.9 | ug/L | 90 | | | | 62 | 132 | |
| | Pentachlorophenol | 100 | 100 | ug/L | 100 | | | | 47 | 114 | |
| | 2,3,4,6-Tetrachlorophenol | 50 | 46.4 | ug/L | 93 | | | | 63 | 116 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P3845

**Client:** Chemtech Consulting Group

**Analytical Method:** 8270E **DataFile:** BM047569.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB163318BSD | Phenol | 50 | 45.6 | ug/L | 91 | 1 | | | 66 | 118 | 20 |
| | 2-Chlorophenol | 50 | 45.1 | ug/L | 90 | 0 | | | 70 | 117 | 20 |
| | 2-Methylphenol | 50 | 44.4 | ug/L | 89 | 0 | | | 69 | 109 | 20 |
| | 3+4-Methylphenols | 50 | 42.9 | ug/L | 86 | 2 | | | 67 | 106 | 20 |
| | 2-Nitrophenol | 50 | 50.6 | ug/L | 101 | 1 | | | 70 | 115 | 20 |
| | 2,4-Dimethylphenol | 50 | 57.5 | ug/L | 115 | 1 | | | 42 | 142 | 20 |
| | 2,4-Dichlorophenol | 50 | 46.9 | ug/L | 94 | 1 | | | 66 | 115 | 20 |
| | Benzoic acid | 50 | 42.0 | ug/L | 84 | 1 | | | 10 | 125 | 20 |
| | 4-Chloro-3-methylphenol | 50 | 44.8 | ug/L | 90 | 0 | | | 65 | 114 | 20 |
| | 2,4,6-Trichlorophenol | 50 | 50.4 | ug/L | 101 | 2 | | | 61 | 110 | 20 |
| | 2,4,5-Trichlorophenol | 50 | 47.6 | ug/L | 95 | 0 | | | 70 | 106 | 20 |
| | 2,4-Dinitrophenol | 100 | 82.2 | ug/L | 82 | 1 | | | 36 | 166 | 20 |
| | 4-Nitrophenol | 100 | 110 | ug/L | 110 | 0 | | | 45 | 147 | 20 |
| | 4,6-Dinitro-2-methylphenol | 50 | 44.9 | ug/L | 90 | 0 | | | 62 | 132 | 20 |
| | Pentachlorophenol | 100 | 110 | ug/L | 110 | 10 | | | 47 | 114 | 20 |
| | 2,3,4,6-Tetrachlorophenol | 50 | 46.4 | ug/L | 93 | 0 | | | 63 | 116 | 20 |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163318BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047567.D Lab Sample ID: PB163318BL

Instrument ID: BNA_M Date Extracted: 09/12/2024

Matrix: (soil/water) Water Date Analyzed: 09/19/2024

Level: (low/med) LOW Time Analyzed: 12:35

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB163318BS | PB163318BS | BM047568.D | 09/19/2024 |
| PB163318BSD | PB163318BSD | BM047569.D | 09/19/2024 |
| PT-ACIDS-WP | P3845-06 | BF139379.D | 09/16/2024 |

COMMENTS:

Alliance TECHNICAL GROUP
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**5B**

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

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BF139344.D DFTPP Injection Date: 09/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:04

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 51.4 |
| 68 | Less than 2.0% of mass 69 | 0.8 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 43.9 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.3 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 50.8 |
| 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 | 7 |
| 275 | 10.0 - 60.0% of mass 198 | 27.8 |
| 365 | Greater than 1% of mass 198 | 3.7 |
| 441 | Present, but less than mass 443 | 12.9 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 16.5 (20.2) 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 | BF139345.D | 09/13/2024 | 14:32 |
| SSTDICC005 | SSTDICC005 | BF139346.D | 09/13/2024 | 15:00 |
| SSTDICC010 | SSTDICC010 | BF139347.D | 09/13/2024 | 15:28 |
| SSTDICC020 | SSTDICC020 | BF139348.D | 09/13/2024 | 15:57 |
| SSTDICCC040 | SSTDICCC040 | BF139349.D | 09/13/2024 | 16:53 |
| SSTDICC050 | SSTDICC050 | BF139350.D | 09/13/2024 | 17:51 |
| SSTDICC060 | SSTDICC060 | BF139351.D | 09/13/2024 | 18:48 |
| SSTDICC080 | SSTDICC080 | BF139352.D | 09/13/2024 | 19:44 |

Raw Data: **BF139376.D**

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BF139376.D DFTPP Injection Date: 09/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:09

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 48.9 |
| 68 | Less than 2.0% of mass 69 | 0.8 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 43 |
| 70 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 50.7 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 26.3 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 12.7 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 16 (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 |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF139377.D | 09/16/2024 | 10:36 |
| PT-ACIDS-WP | P3845-06 | BF139379.D | 09/16/2024 | 12:35 |
| PT-ACIDS-WPDL | P3845-06DL | BF139380.D | 09/16/2024 | 13:13 |

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**5B**

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

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047519.D DFTPP Injection Date: 09/14/2024

Instrument ID: BNA_M DFTPP Injection Time: 11:17

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 39.9 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 45.2 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 54.4 |
| 197 | Less than 2.0% of mass 198 | 0.5 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 22.6 |
| 365 | Greater than 1% of mass 198 | 2.9 |
| 441 | Present, but less than mass 443 | 8.3 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 10 (19.4) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BM047520.D | 09/14/2024 | 11:57 |
| SSTDICC005 | SSTDICC005 | BM047521.D | 09/14/2024 | 12:36 |
| SSTDICC010 | SSTDICC010 | BM047522.D | 09/14/2024 | 13:16 |
| SSTDICC020 | SSTDICC020 | BM047523.D | 09/14/2024 | 13:55 |
| SSTDICCC040 | SSTDICCC040 | BM047524.D | 09/14/2024 | 14:35 |
| SSTDICC050 | SSTDICC050 | BM047525.D | 09/14/2024 | 15:14 |
| SSTDICC060 | SSTDICC060 | BM047526.D | 09/14/2024 | 15:54 |
| SSTDICC080 | SSTDICC080 | BM047527.D | 09/14/2024 | 16:34 |

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**5B**

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

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P3845 SDG NO.: P3845

Lab File ID: BM047565.D DFTPP Injection Date: 09/19/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:54

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 40.6 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 48.9 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 56.8 |
| 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 | 23 |
| 365 | Greater than 1% of mass 198 | 3 |
| 441 | Present, but less than mass 443 | 8.4 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 9.9 (18.8) 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 | BM047566.D | 09/19/2024 | 11:49 |
| PB163318BL | PB163318BL | BM047567.D | 09/19/2024 | 12:35 |
| PB163318BS | PB163318BS | BM047568.D | 09/19/2024 | 13:15 |
| PB163318BSD | PB163318BSD | BM047569.D | 09/19/2024 | 13:54 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/16/2024

Lab File ID: BF139377.D Time Analyzed: 10:36

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 | 66091 | 6.881 | 230944 | 8.16 | 122358 | 9.92 |
| | UPPER LIMIT | 132182 | 7.381 | 461888 | 8.663 | 244716 | 10.416 |
| | LOWER LIMIT | 33045.5 | 6.381 | 115472 | 7.663 | 61179 | 9.416 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PT-ACIDS-WP | 51774 | 6.88 | 193300 | 8.16 | 107677 | 9.91 |
| 02 | PT-ACIDS-WPDL | 53717 | 6.88 | 197693 | 8.16 | 111417 | 9.91 |

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.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/16/2024

Lab File ID: BF139377.D Time Analyzed: 10:36

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 | 221286 | 11.398 | 116037 | 14.033 | 120558 | 15.498 |
| | UPPER LIMIT | 442572 | 11.898 | 232074 | 14.533 | 241116 | 15.998 |
| | LOWER LIMIT | 110643 | 10.898 | 58018.5 | 13.533 | 60279 | 14.998 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PT-ACIDS-WP | 200595 | 11.39 | 138722 | 14.03 | 119413 | 15.50 |
| 02 | PT-ACIDS-WPDL | 205713 | 11.39 | 127464 | 14.03 | 107390 | 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.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/19/2024

Lab File ID: BM047566.D Time Analyzed: 11:49

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 406101 | 7.839 | 1674500 | 10.64 | 905170 | 14.47 |
| | UPPER LIMIT | 812202 | 8.339 | 3349000 | 11.139 | 1810340 | 14.974 |
| | LOWER LIMIT | 203051 | 7.339 | 837250 | 10.139 | 452585 | 13.974 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB163318BL | 353821 | 7.84 | 1340230 | 10.63 | 659710 | 14.47 |
| 02 | PB163318BS | 304822 | 7.84 | 1201950 | 10.64 | 615193 | 14.47 |
| 03 | PB163318BSD | 312652 | 7.85 | 1211920 | 10.64 | 613404 | 14.47 |

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.: P3845 SAS No.: P3845 SDG NO.: P3845

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/19/2024

Lab File ID: BM047566.D Time Analyzed: 11:49

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1699870 | 17.209 | 1491890 | 21.433 | 1457820 | 24.462 |
| | UPPER LIMIT | 3399740 | 17.709 | 2983780 | 21.933 | 2915640 | 24.962 |
| | LOWER LIMIT | 849935 | 16.709 | 745945 | 20.933 | 728910 | 23.962 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB163318BL | 1165230 | 17.21 | 864552 | 21.43 | 939242 | 24.46 |
| 02 | PB163318BS | 1066010 | 17.21 | 844898 | 21.43 | 808669 | 24.46 |
| 03 | PB163318BSD | 1048550 | 17.21 | 835988 | 21.43 | 806711 | 24.46 |

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

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

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

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# SAMPLE DATA

Raw Data: **BF139379.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | 09/03/24 |
| Project: | NJ Waste Water PT | Date Received: | 09/05/24 |
| Client Sample ID: | PT-ACIDS-WP | SDG No.: | P3845 |
| Lab Sample ID: | P3845-06 | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BF139379.D | 1 | 09/12/24 08:40 | 09/16/24 12:35 | PB163318 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 108-95-2 | Phenol | 130 | E | 0.93 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 160 | E | 0.71 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 110 | E | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.20 | U | 1.20 | 10.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 120 | E | 2.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 71.5 | | 1.50 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 56.4 | | 0.88 | 5.00 | ug/L |
| 65-85-0 | Benzoic acid | 5.50 | U | 5.50 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 150 | E | 0.84 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 170 | E | 0.89 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 59.0 | | 1.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 180 | E | 6.40 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 170 | E | 2.00 | 10.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 140 | E | 3.10 | 10.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 43.3 | | 1.90 | 10.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 120 | E | 0.79 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 141 | | 10 - 139 | 94% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 140 | | 10 - 134 | 93% | SPK: 150 |
| 118-79-6 | 2,4,6-Tribromophenol | 148 | | 44 - 137 | 98% | SPK: 150 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 51800 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 193000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 108000 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 201000 | 11.392 | | | |
| 1719-03-5 | Chrysene-d12 | 139000 | 14.027 | | | |
| 1520-96-3 | Perylene-d12 | 119000 | 15.498 | | | |

Raw Data: **BF139379.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | 09/03/24 |
| Project: | NJ Waste Water PT | Date Received: | 09/05/24 |
| Client Sample ID: | PT-ACIDS-WP | SDG No.: | P3845 |
| Lab Sample ID: | P3845-06 | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BF139379.D | 1 | 09/12/24 08:40 | 09/16/24 12:35 | PB163318 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139379.D
Acq On : 16 Sep 2024 12:35
Operator : RC/JU
Sample : P3845-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Quant Time: Sep 16 12:57:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

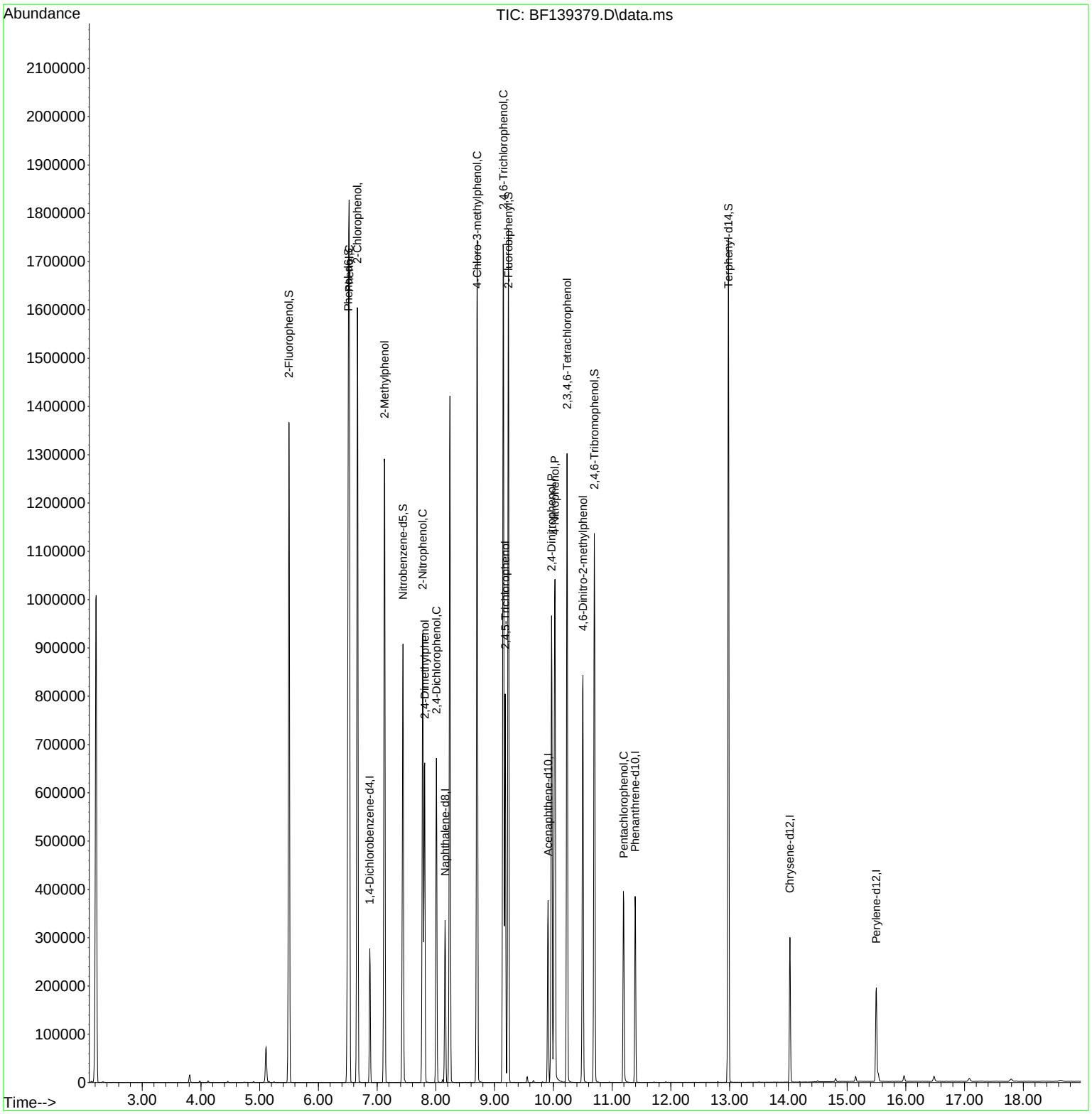
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 51774 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 193300 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 107677 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 200595 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 138722 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 119413 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 448416 | 141.291 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 582835 | 139.913 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 395713 | 96.239 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 169118 | 147.527 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 747786 | 97.401 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 822499 | 97.320 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 8) 2-Chlorophenol | 6.663 | 128 | 514603 | 157.519 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 539339 | 127.122 | ng | 95 |
| 17) 2-Methylphenol | 7.128 | 107 | 296607 | 114.273 | ng | 98 |
| 26) 2-Nitrophenol | 7.775 | 139 | 191665 | 116.251 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 155591 | 71.542 | ng | 97 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 155850 | 56.409 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 489395 | 154.993 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 345587 | 166.453 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 129206 | 58.997 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 154711 | 177.339 | ng | 93 |
| 56) 4-Nitrophenol | 10.027 | 139 | 224704 | 173.559 | ng | 92 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 209244 | 115.499 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 144332 | 136.328 | ng | 95 |
| 70) Pentachlorophenol | 11.198 | 266 | 60650 | 43.325 | ng | 98 |

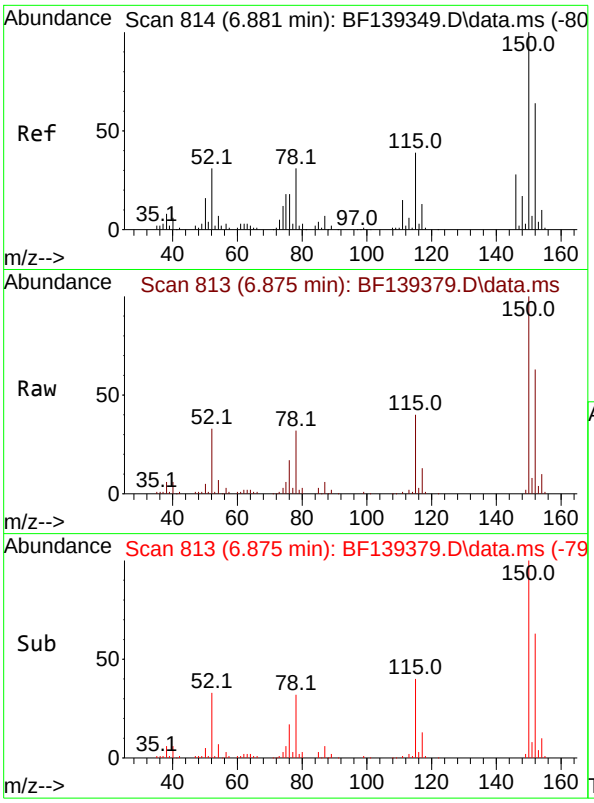
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139379.D
Acq On : 16 Sep 2024 12:35
Operator : RC/JU
Sample : P3845-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Quant Time: Sep 16 12:57:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



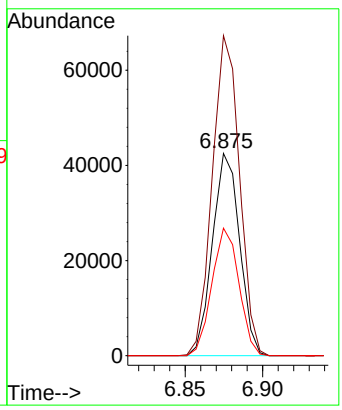


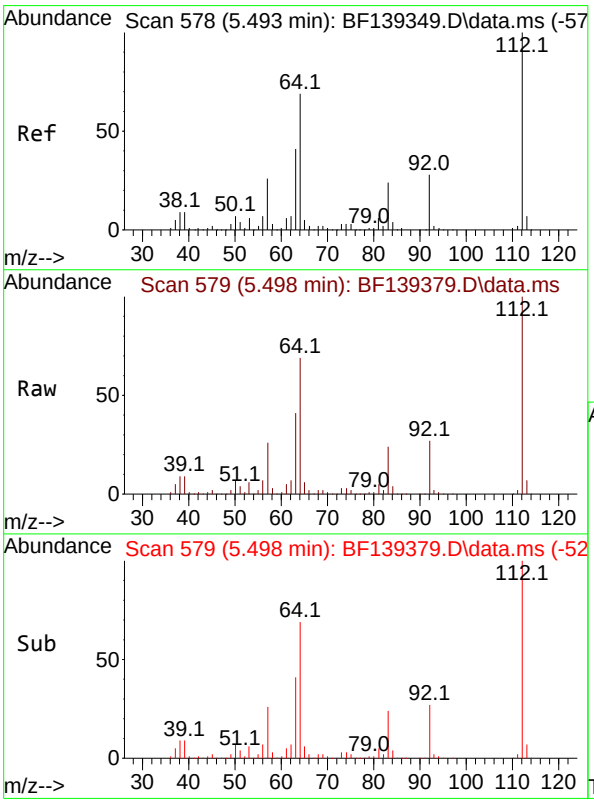

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:152 Resp: 51774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.2 | 124.1 | 186.1 |
| 115 | 63.1 | 48.1 | 72.1 |

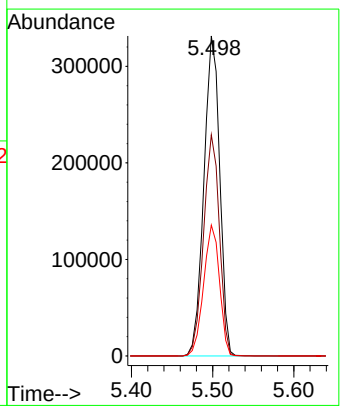


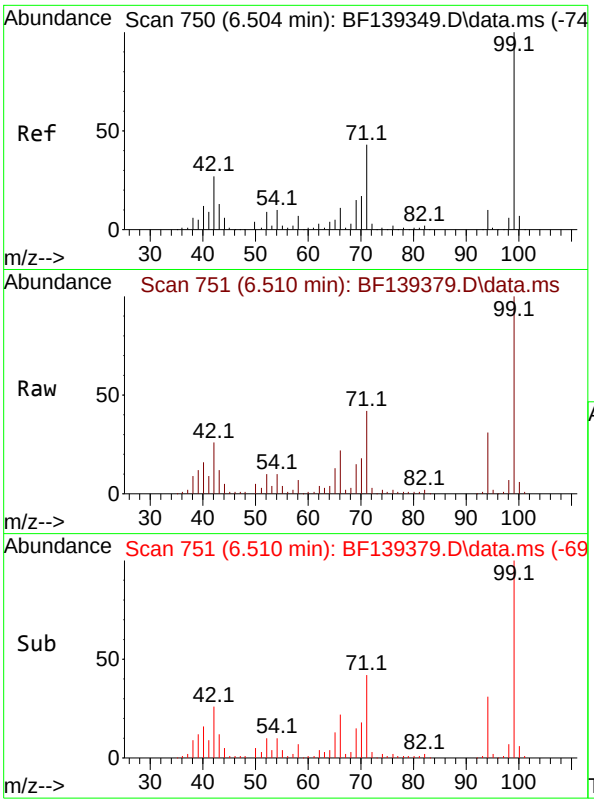




#5
2-Fluorophenol
Concen: 141.291 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:112 Resp: 448416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.1 | 54.8 | 82.2 |
| 63 | 40.9 | 33.0 | 49.4 |



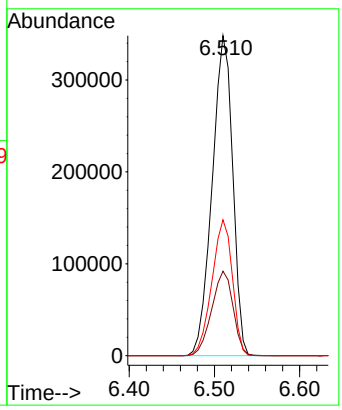


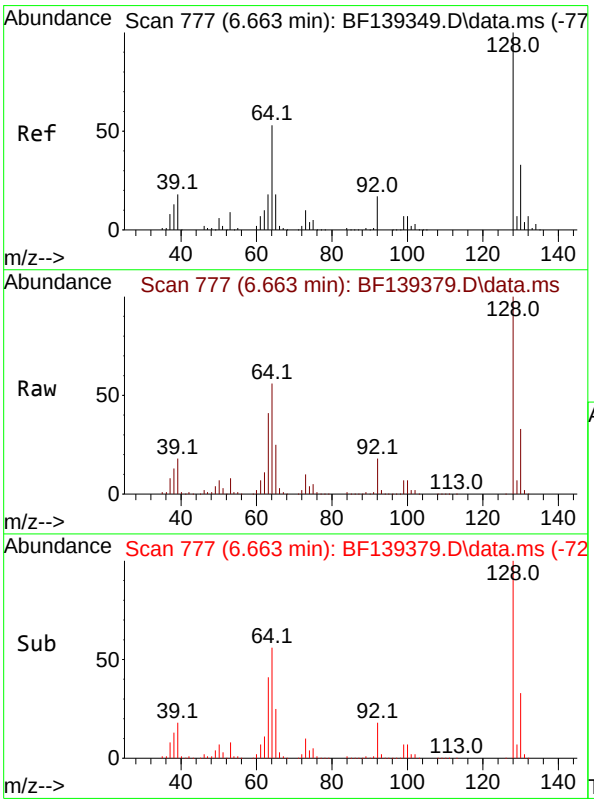

#7
Phenol-d6
Concen: 139.913 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion: 99 Resp: 582835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.4 | 21.9 | 32.9 |
| 71 | 42.5 | 34.6 | 52.0 |

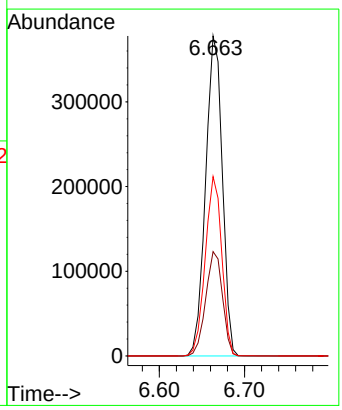


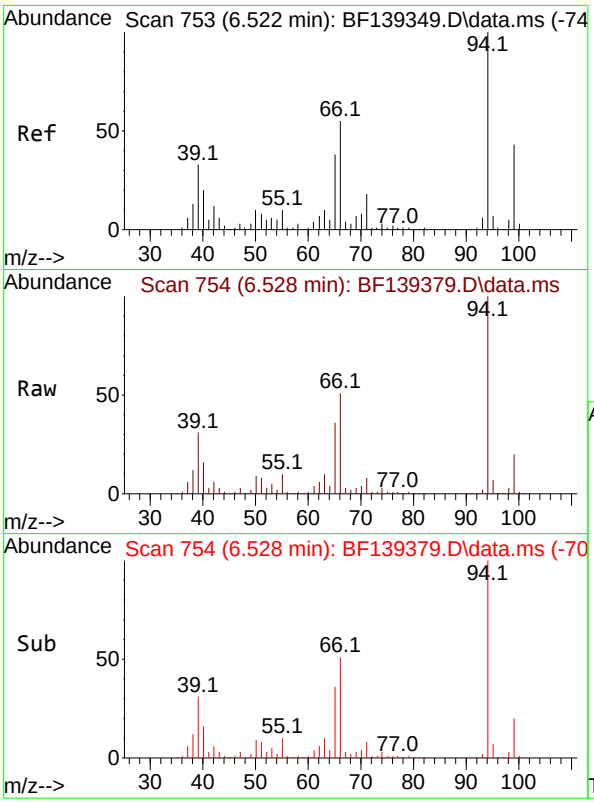




#8
2-Chlorophenol
Concen: 157.519 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:128 Resp: 514603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.8 | 52.8 |
| 64 | 56.1 | 35.1 | 75.1 |



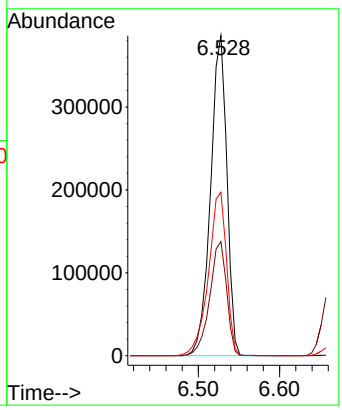


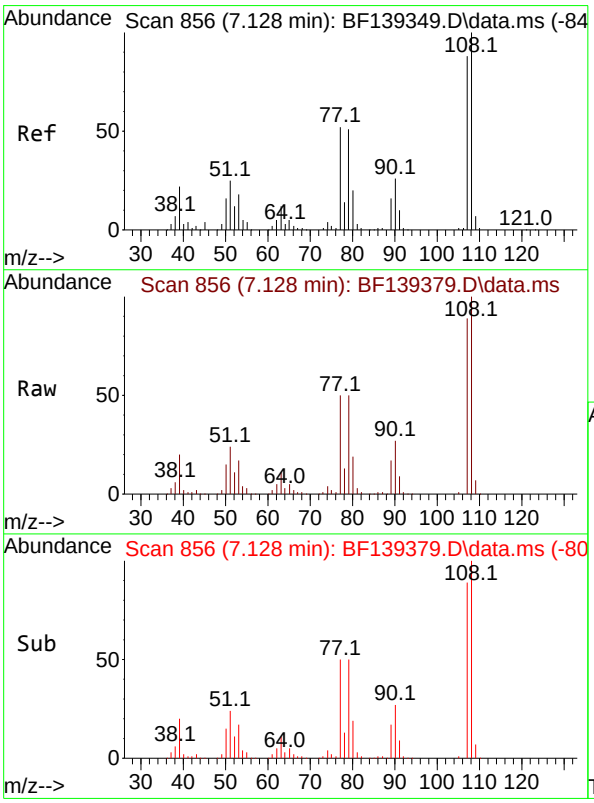

#10
Phenol
Concen: 127.122 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion: 94 Resp: 539339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 35.7 | 17.6 | 57.6 |
| 66 | 51.1 | 35.2 | 75.2 |

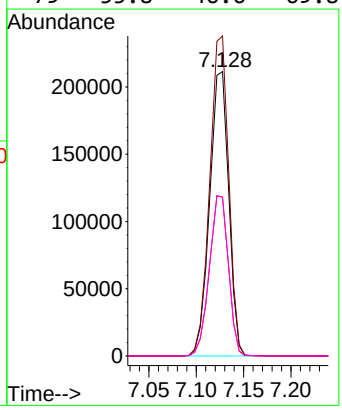


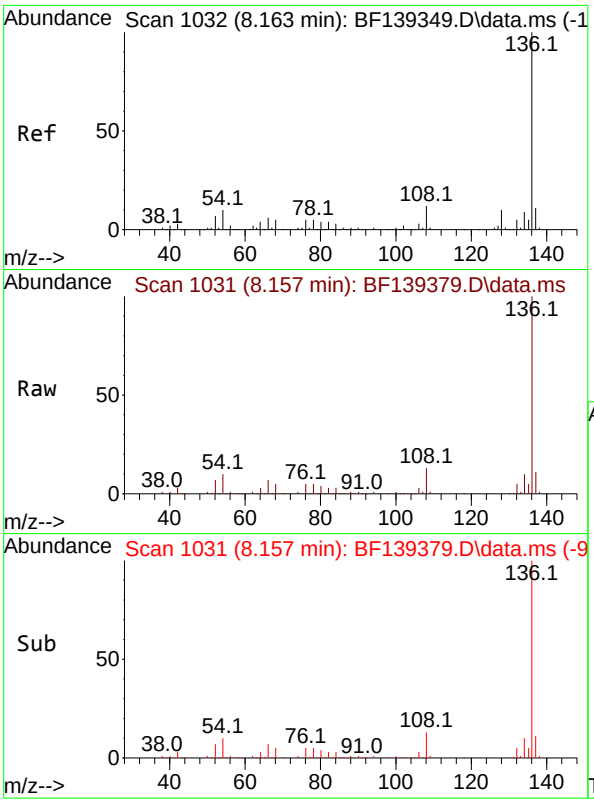




#17
2-Methylphenol
Concen: 114.273 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:107 Resp: 296607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 90.5 | 135.7 |
| 77 | 55.9 | 47.1 | 70.7 |
| 79 | 55.8 | 46.6 | 69.8 |



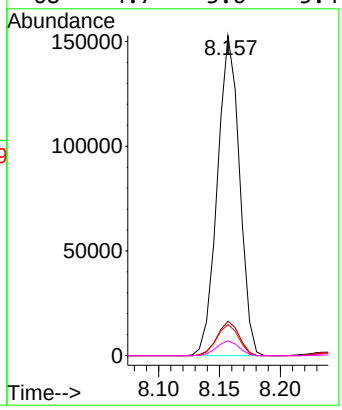


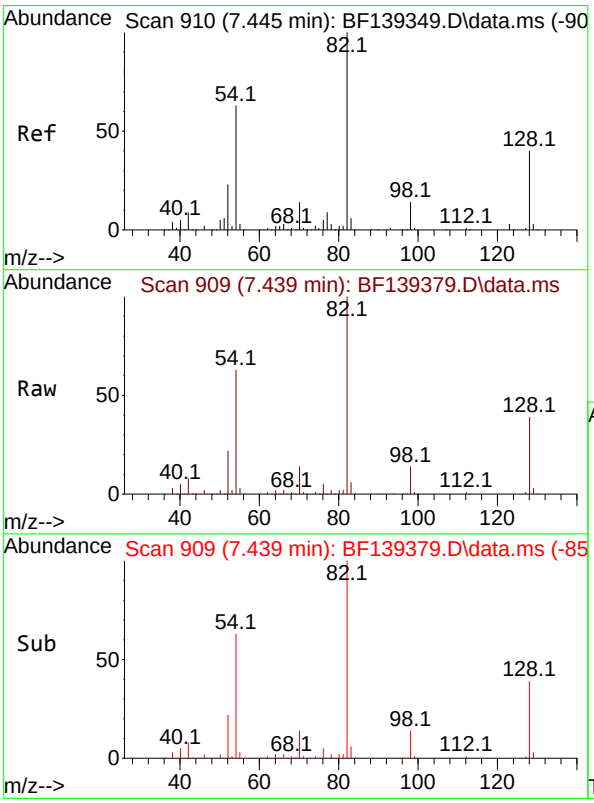

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:136 Resp: 193300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.7 | 3.6 | 5.4 |

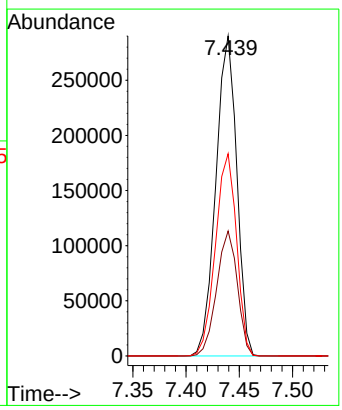


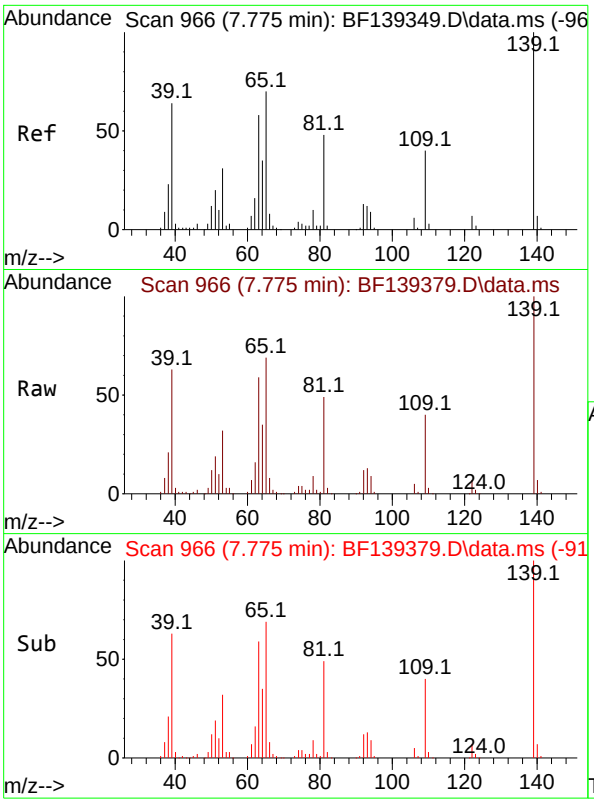




#23
Nitrobenzene-d5
Concen: 96.239 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion: 82 Resp: 395713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 31.8 | 47.6 |
| 54 | 63.2 | 50.6 | 75.8 |



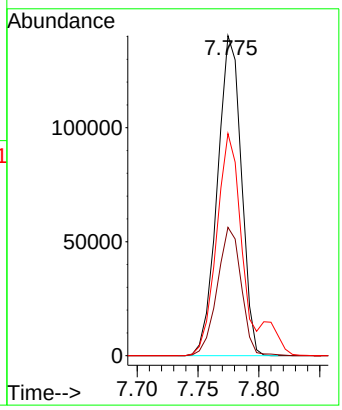


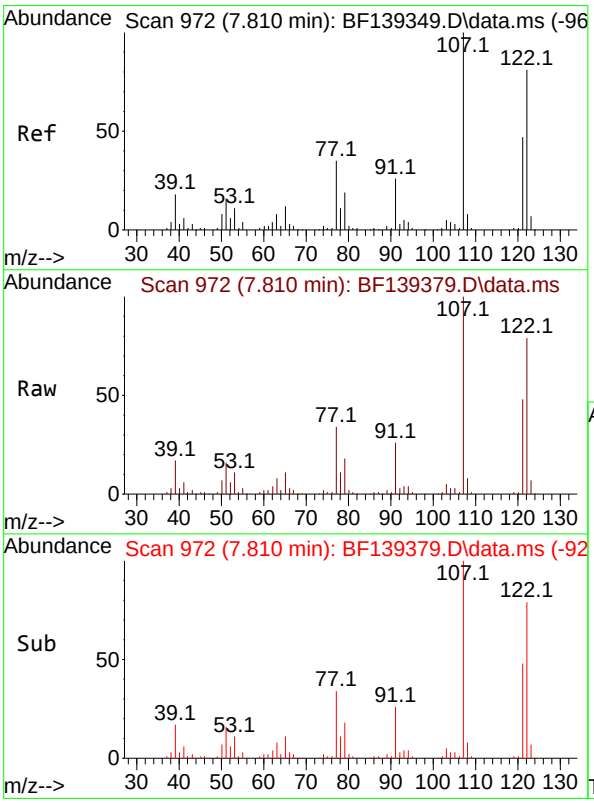

#26
2-Nitrophenol
Concen: 116.251 ng
RT: 7.775 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:139 Resp: 191665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 40.1 | 32.2 | 48.2 |
| 65 | 69.4 | 55.8 | 83.8 |

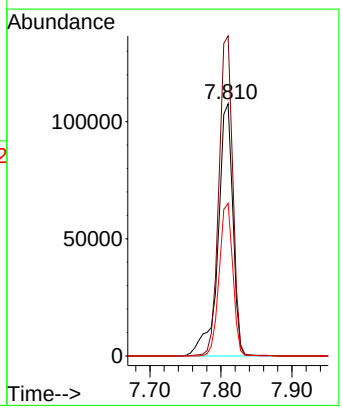


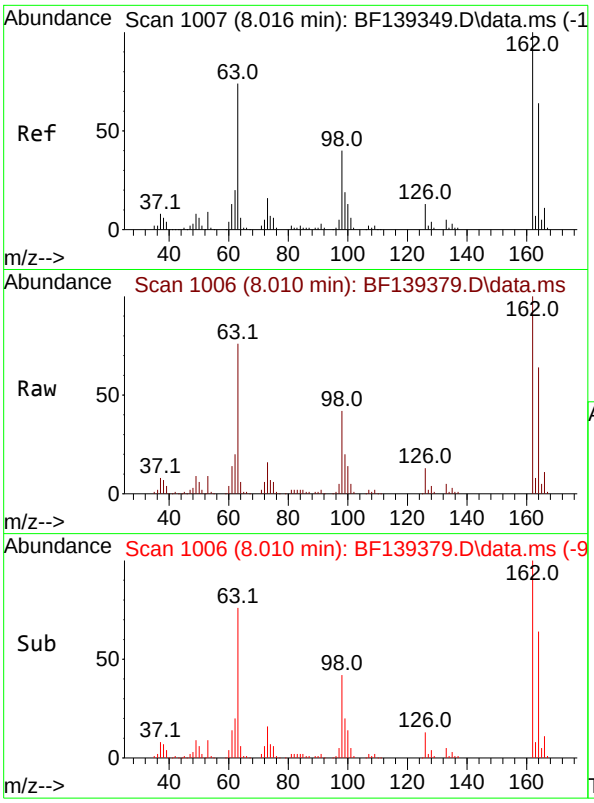




#27
2,4-Dimethylphenol
Concen: 71.542 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:122 Resp: 155591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 126.9 | 99.1 | 148.7 |
| 121 | 60.5 | 46.6 | 70.0 |



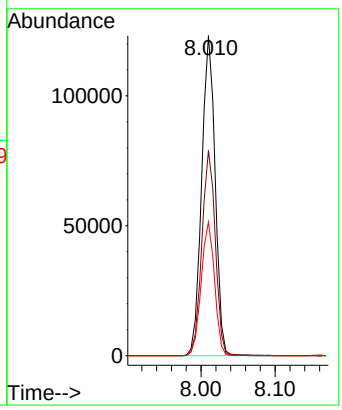


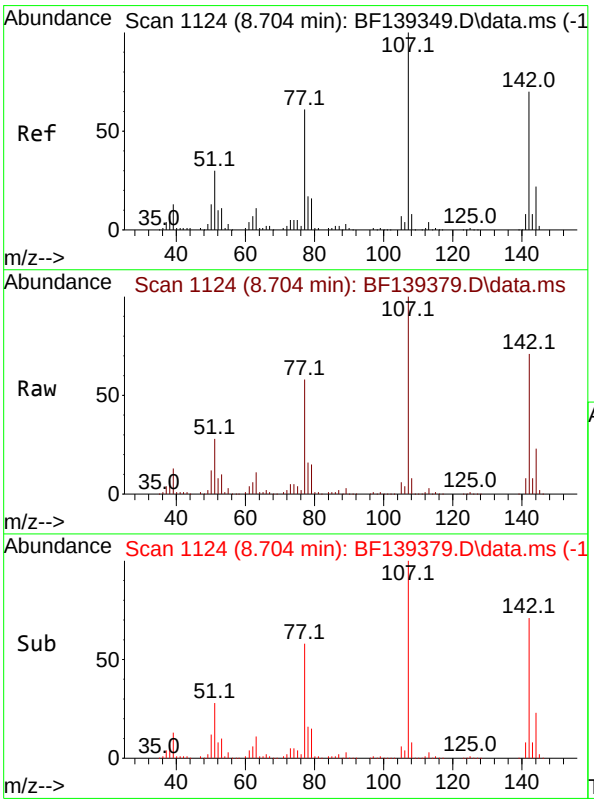

#29
2,4-Dichlorophenol
Concen: 56.409 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:162 Resp: 155850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 43.6 | 83.6 |
| 98 | 41.7 | 19.7 | 59.7 |

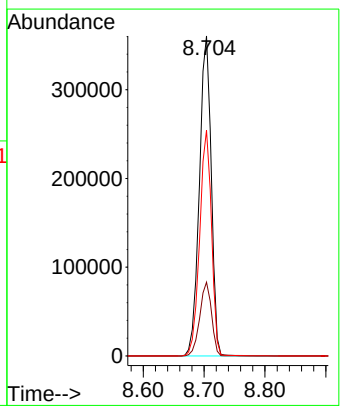


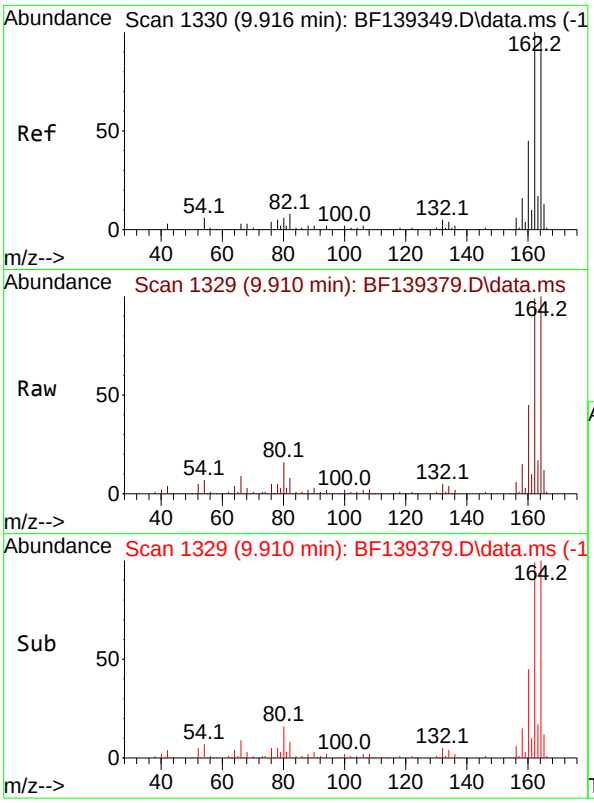




#36
4-Chloro-3-methylphenol
Concen: 154.993 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:107 Resp: 489395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.0 | 17.5 | 26.3 |
| 142 | 70.5 | 55.8 | 83.8 |



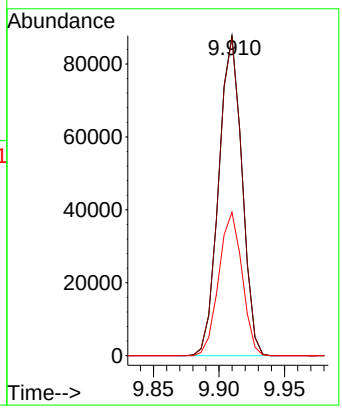


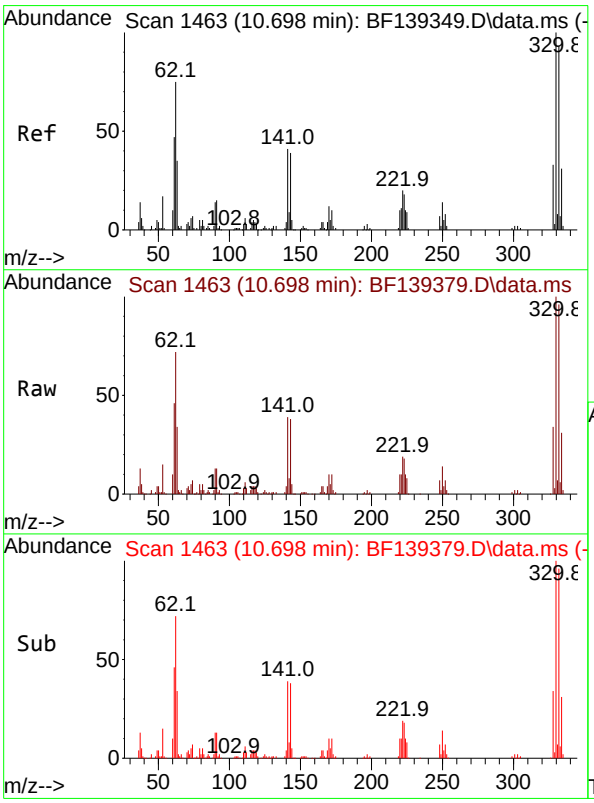

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:164 Resp: 107677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 81.3 | 121.9 |
| 160 | 44.8 | 36.4 | 54.6 |

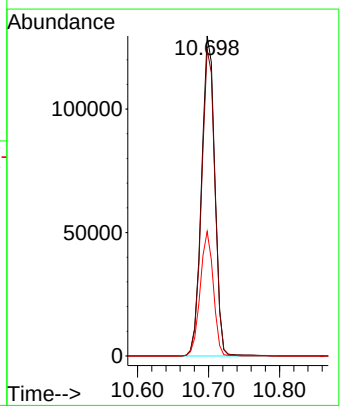


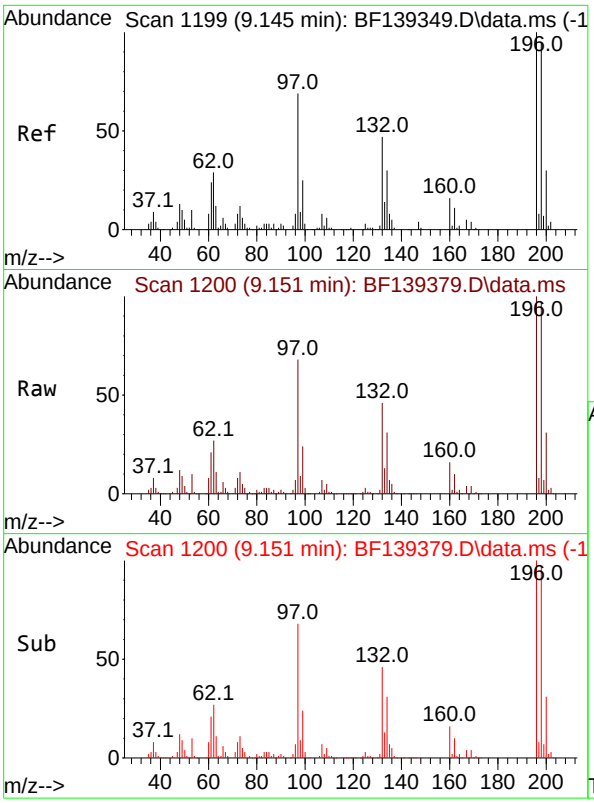




#42
2,4,6-Tribromophenol
Concen: 147.527 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:330 Resp: 169118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 75.2 | 112.8 |
| 141 | 38.3 | 31.2 | 46.8 |



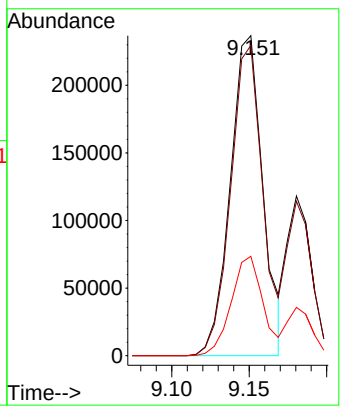


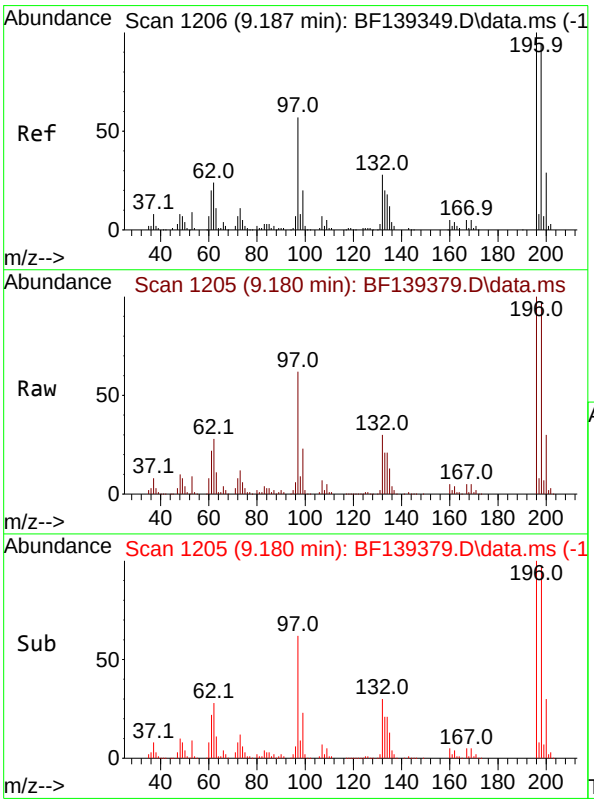

#43
2,4,6-Trichlorophenol
Concen: 166.453 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:196 Resp: 345587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.9 | 75.8 | 113.6 |
| 200 | 31.0 | 24.1 | 36.1 |

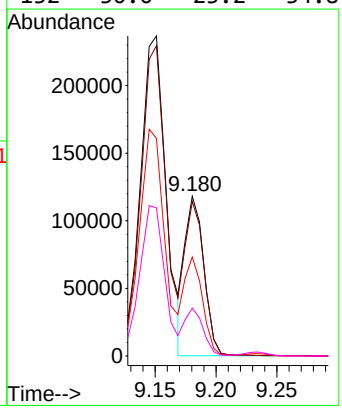


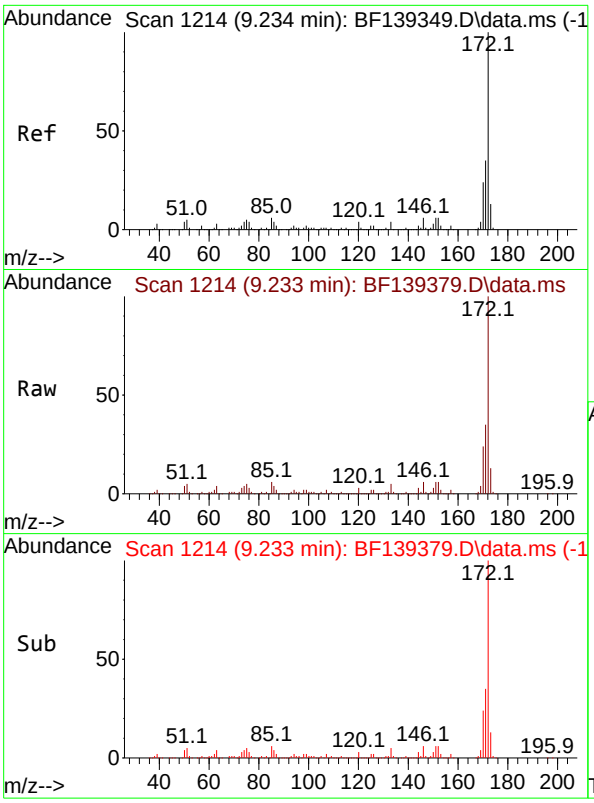




#44
2,4,5-Trichlorophenol
Concen: 58.997 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:196 Resp: 129206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.7 | 74.8 | 112.2 |
| 97 | 61.9 | 47.3 | 70.9 |
| 132 | 30.0 | 23.2 | 34.8 |



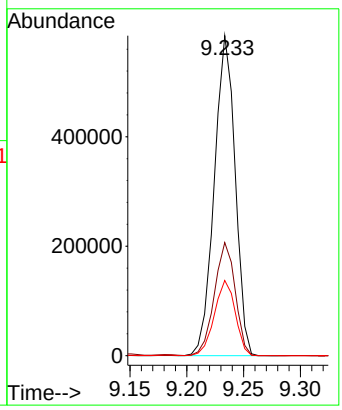


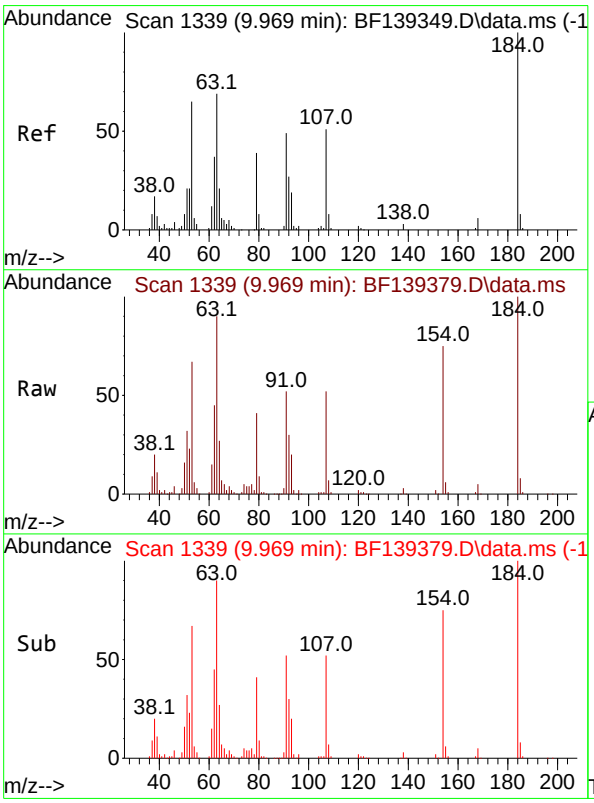

#45
2-Fluorobiphenyl
Concen: 97.401 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:172 Resp: 747786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.5 | 19.0 | 28.6 |

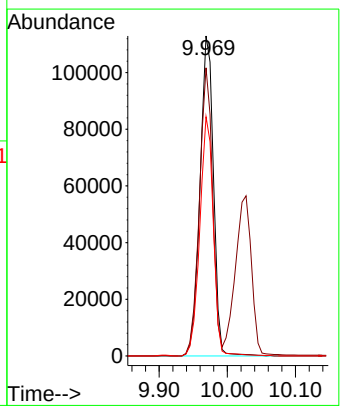


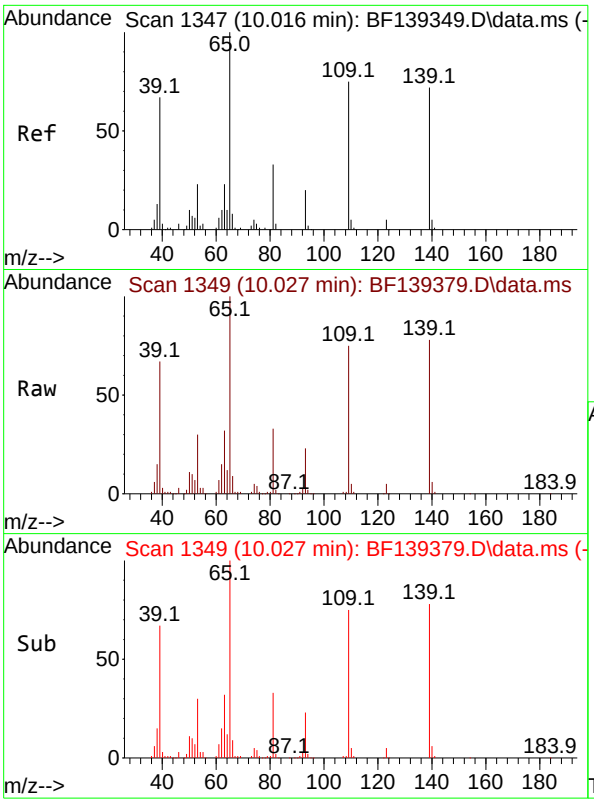




#54
2,4-Dinitrophenol
Concen: 177.339 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:184 Resp: 154711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 90.0 | 69.3 | 103.9 |
| 154 | 74.7 | 67.5 | 101.3 |



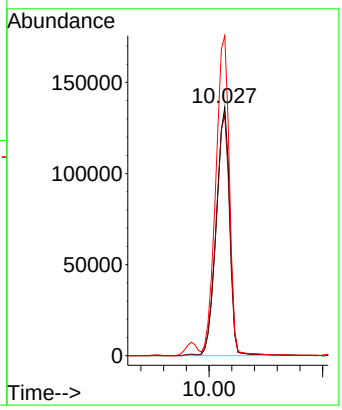


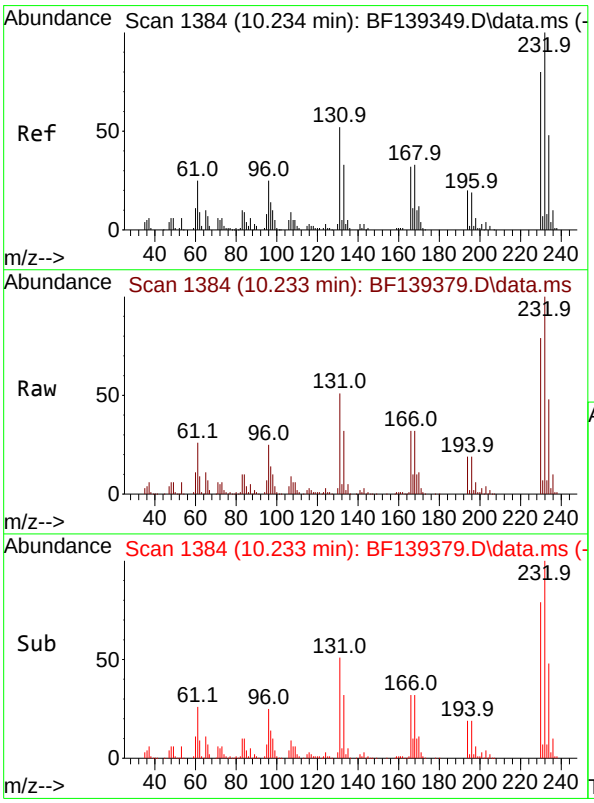

#56
4-Nitrophenol
Concen: 173.559 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:139 Resp: 224704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 97.0 | 84.1 | 124.1 |
| 65 | 128.9 | 120.0 | 160.0 |

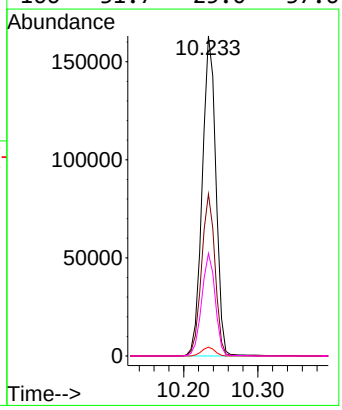


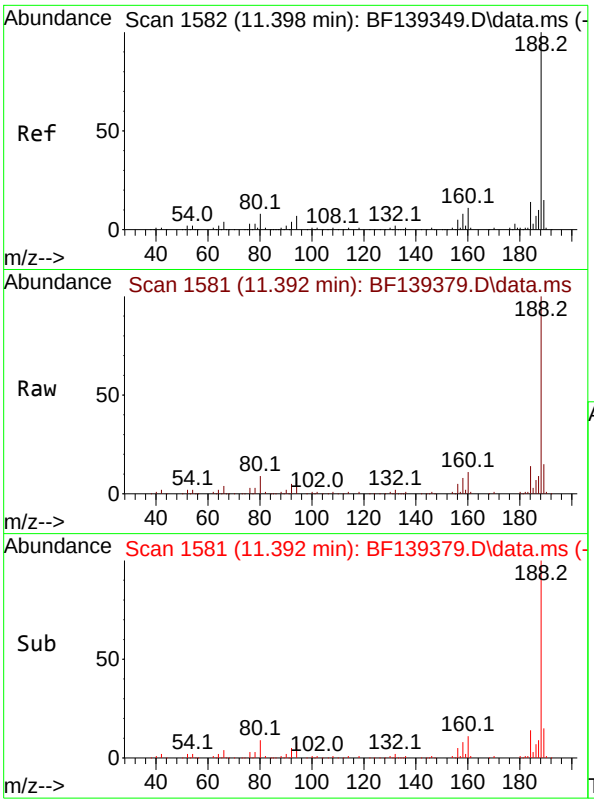




#59
2,3,4,6-Tetrachlorophenol
Concen: 115.499 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:232 Resp: 209244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.1 | 40.7 | 61.1 |
| 130 | 2.6 | 2.2 | 3.2 |
| 166 | 31.7 | 25.0 | 37.6 |



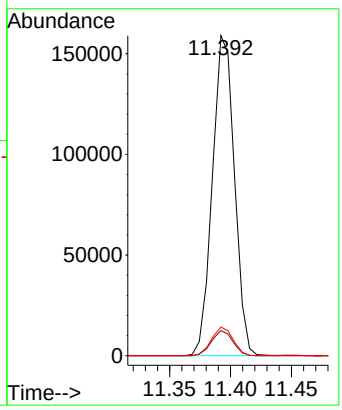


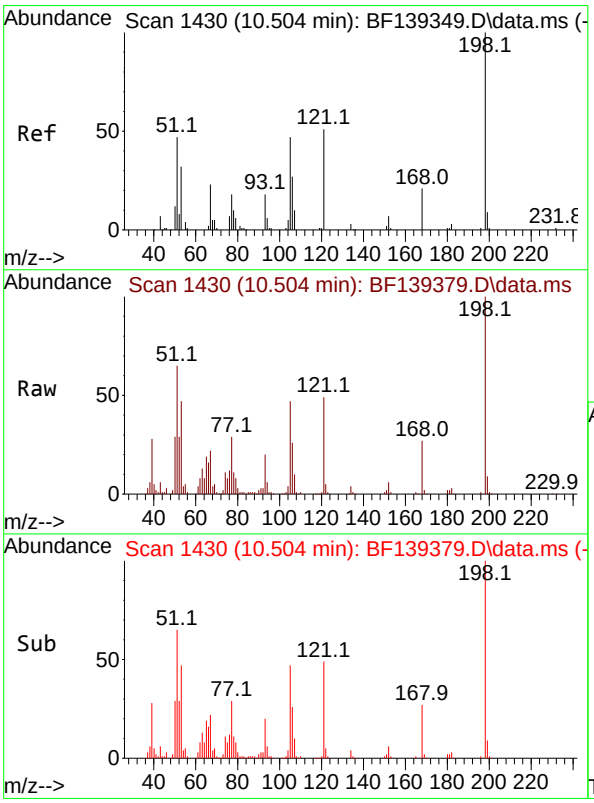

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:188 Resp: 200595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 5.5 | 8.3 |
| 80 | 9.0 | 6.6 | 9.8 |

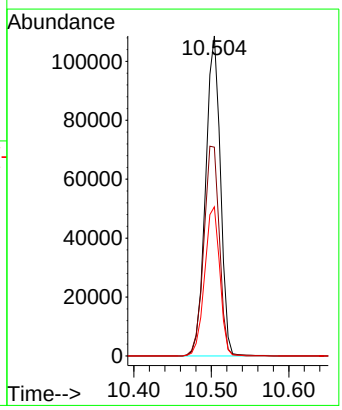


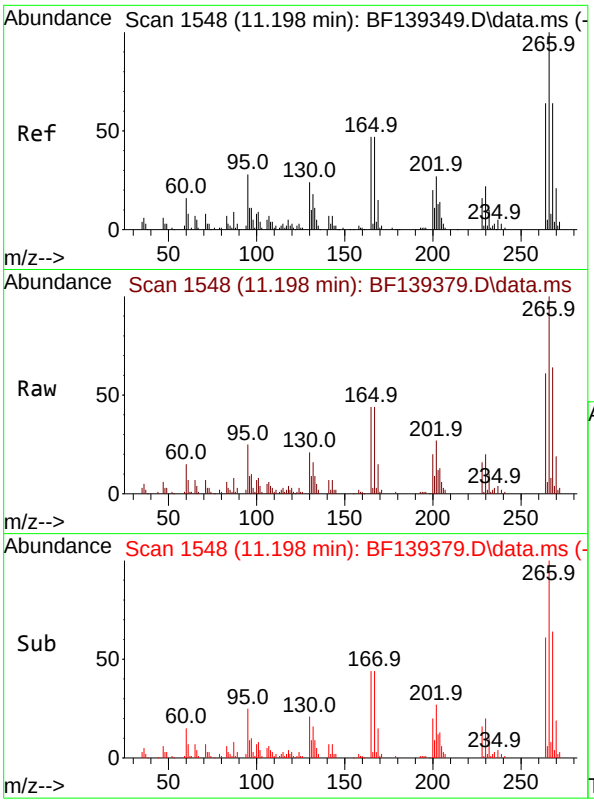




#65
4,6-Dinitro-2-methylphenol
Concen: 136.328 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:198 Resp: 144332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 65.3 | 50.4 | 90.4 |
| 105 | 46.6 | 28.3 | 68.3 |



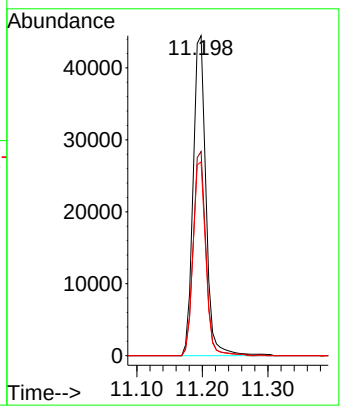


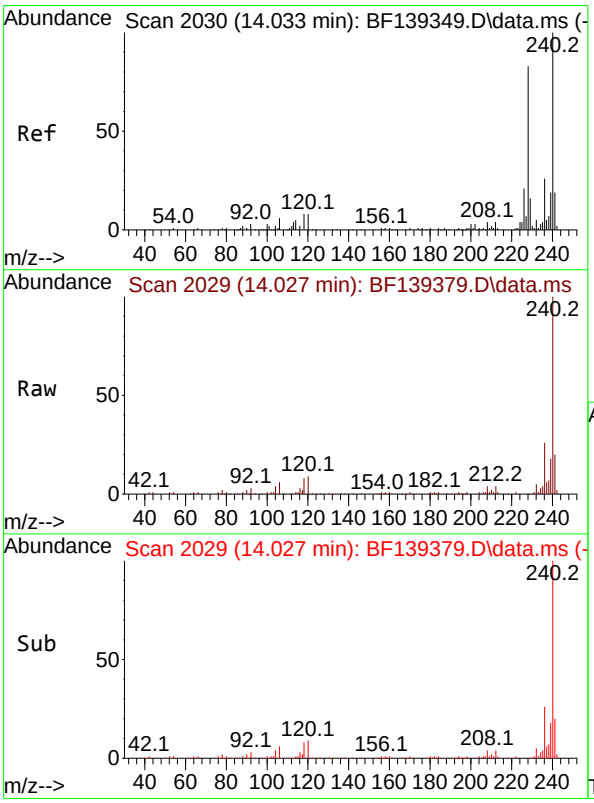

#70
Pentachlorophenol
Concen: 43.325 ng
RT: 11.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:266 Resp: 60650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.8 | 51.1 | 76.7 |
| 264 | 60.6 | 51.4 | 77.0 |

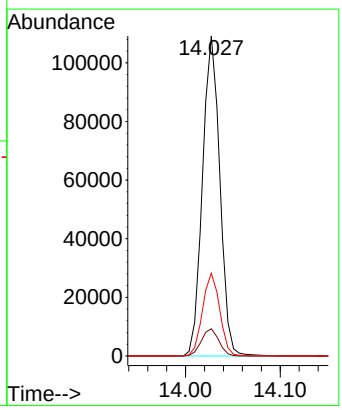


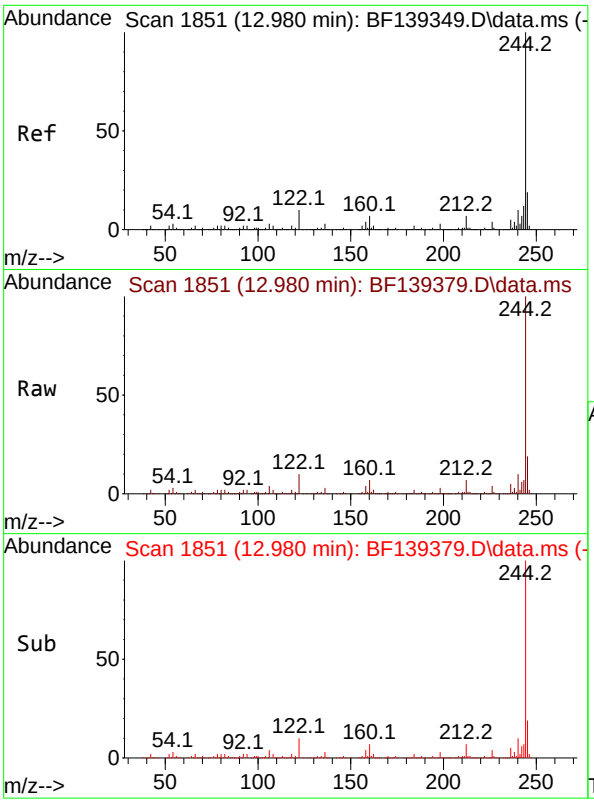




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:240 Resp: 138722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 6.2 | 9.2 |
| 236 | 25.8 | 20.9 | 31.3 |



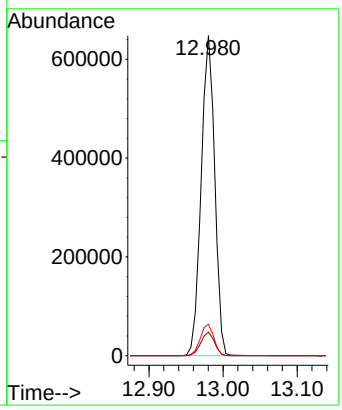


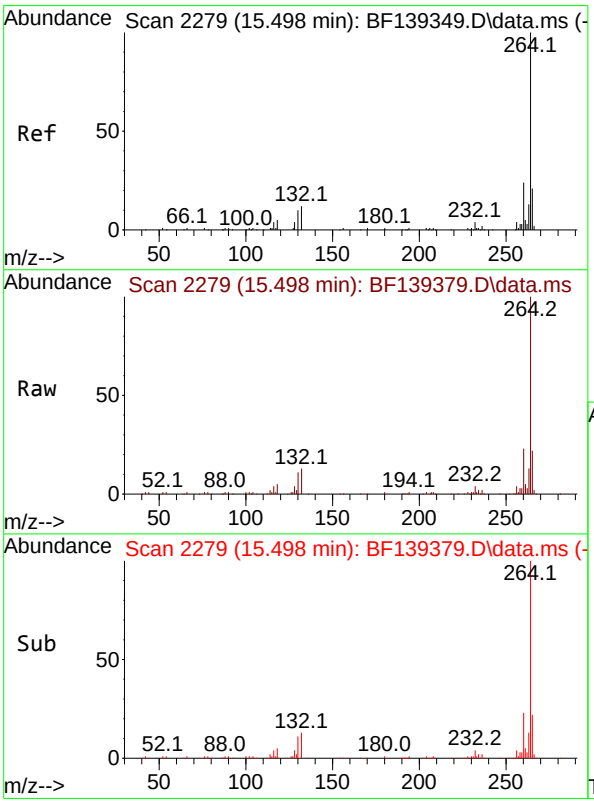

#79
Terphenyl-d14
Concen: 97.320 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WP

Tgt Ion:244 Resp: 822499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 9.9 | 7.6 | 11.4 |

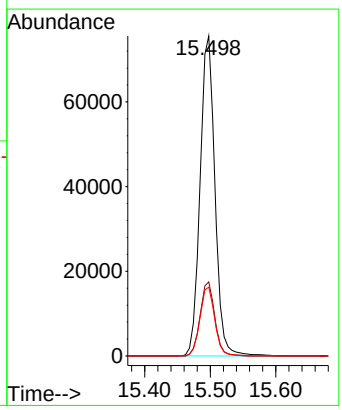



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139379.D
Acq: 16 Sep 2024 12:35

Tgt Ion:264 Resp: 119413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.5 | 29.3 |
| 265 | 21.5 | 16.6 | 25.0 |



Raw Data: **BF139380.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | 09/03/24 |
| Project: | NJ Waste Water PT | Date Received: | 09/05/24 |
| Client Sample ID: | PT-ACIDS-WPDL | SDG No.: | P3845 |
| Lab Sample ID: | P3845-06DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BF139380.D | 5 | 09/12/24 08:40 | 09/16/24 13:13 | PB163318 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 108-95-2 | Phenol | 110 | D | 4.70 | 25.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | 140 | D | 3.60 | 25.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 100 | D | 5.70 | 25.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 5.80 | UD | 5.80 | 50.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 98.8 | D | 9.80 | 25.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 63.8 | D | 7.60 | 25.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 49.5 | D | 4.40 | 25.0 | ug/L |
| 65-85-0 | Benzoic acid | 27.4 | UD | 27.4 | 50.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 140 | D | 4.20 | 25.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 140 | D | 4.50 | 25.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 58.3 | D | 5.10 | 25.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 110 | D | 32.1 | 50.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 150 | D | 10.0 | 50.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 100 | D | 15.4 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 32.0 | JD | 9.30 | 50.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 98.7 | D | 4.00 | 25.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 123 | | 10 - 139 | 82% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 124 | | 10 - 134 | 83% | SPK: 150 |
| 118-79-6 | 2,4,6-Tribromophenol | 127 | | 44 - 137 | 85% | SPK: 150 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 53700 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 198000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 111000 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 206000 | 11.392 | | | |
| 1719-03-5 | Chrysene-d12 | 127000 | 14.027 | | | |
| 1520-96-3 | Perylene-d12 | 107000 | 15.498 | | | |

Raw Data: **BF139380.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | 09/03/24 |
| Project: | NJ Waste Water PT | Date Received: | 09/05/24 |
| Client Sample ID: | PT-ACIDS-WPDL | SDG No.: | P3845 |
| Lab Sample ID: | P3845-06DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BF139380.D | 5 | 09/12/24 08:40 | 09/16/24 13:13 | PB163318 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139380.D
Acq On : 16 Sep 2024 13:13
Operator : RC/JU
Sample : P3845-06DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Quant Time: Sep 16 14:01:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

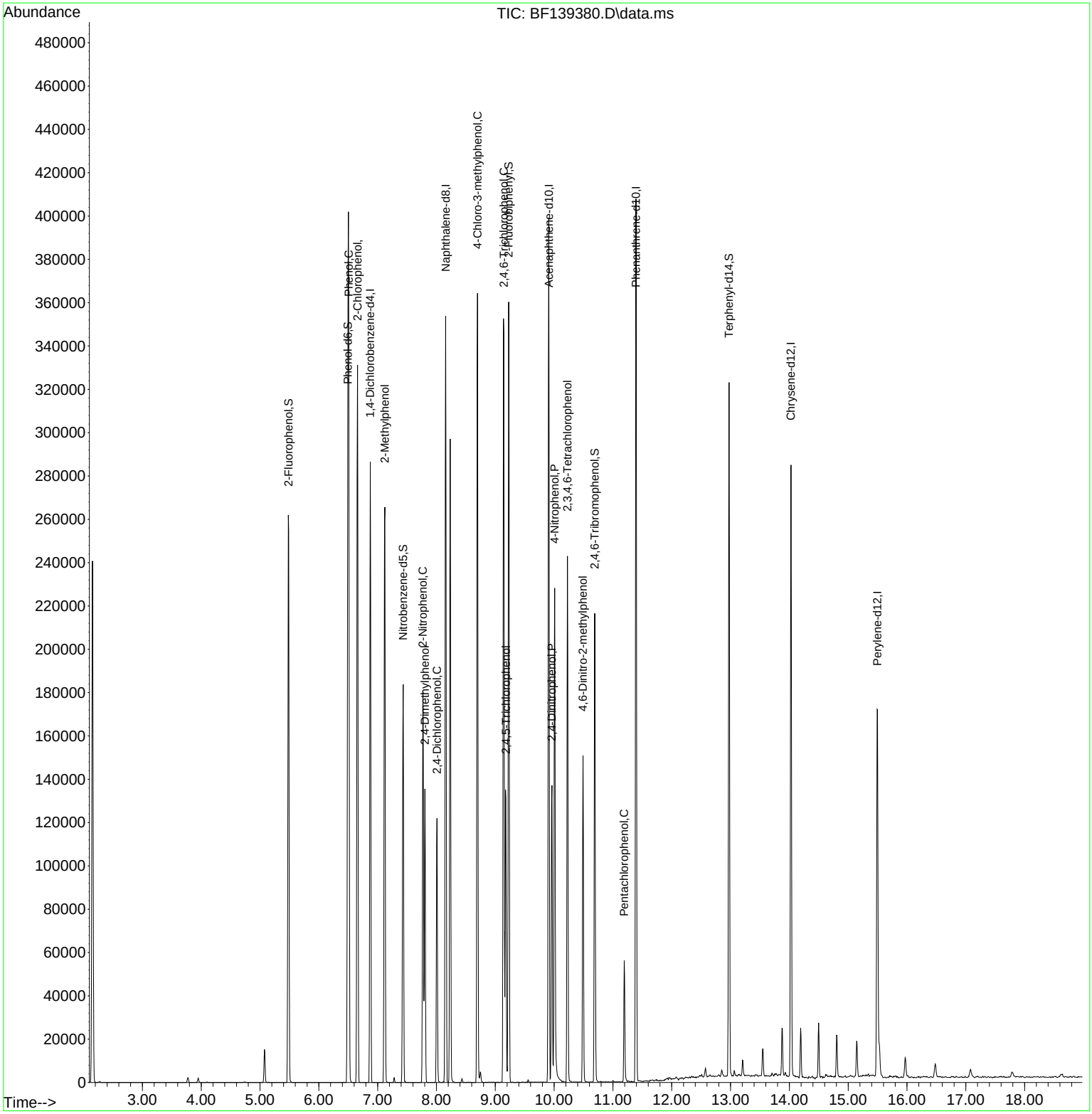
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 53717 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 197693 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 111417 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 205713 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 127464 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 107390 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 81036 | 24.610 | ng | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 107117 | 24.784 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 72704 | 17.289 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 30178 | 25.442 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.227 | 172 | 144091 | 18.138 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.974 | 244 | 147214 | 18.957 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 8) 2-Chlorophenol | 6.657 | 128 | 97582 | 28.789 | ng | 99 |
| 10) Phenol | 6.510 | 94 | 100447 | 22.819 | ng | 98 |
| 17) 2-Methylphenol | 7.122 | 107 | 53975 | 20.043 | ng | 99 |
| 26) 2-Nitrophenol | 7.769 | 139 | 33311 | 19.755 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 28375 | 12.757 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 27945 | 9.890 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 92018 | 28.495 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 62186 | 28.947 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 26419 | 11.658 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 19289 | 21.368 | ng | 94 |
| 56) 4-Nitrophenol | 10.010 | 139 | 38922 | 29.054 | ng | 95 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 37016 | 19.746 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 21982 | 20.246 | ng | 98 |
| 70) Pentachlorophenol | 11.192 | 266 | 9184 | 6.397 | ng | 97 |

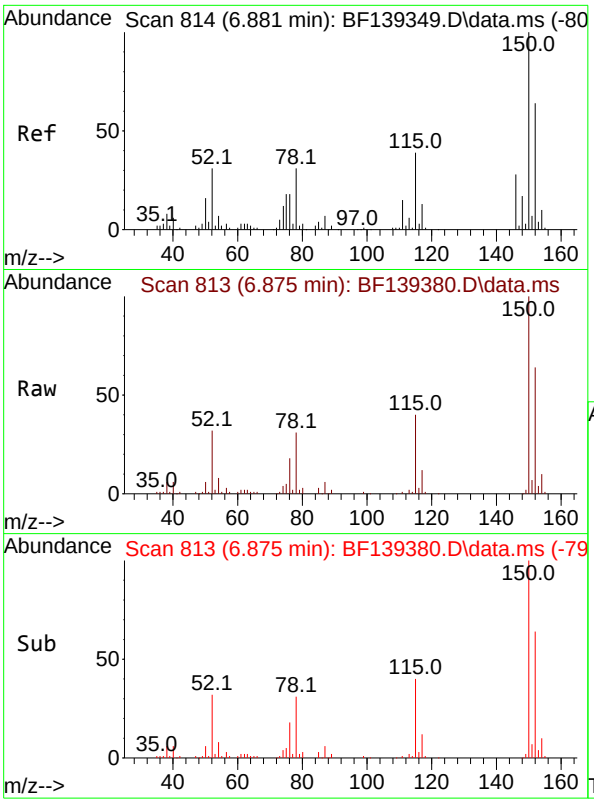
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139380.D
Acq On : 16 Sep 2024 13:13
Operator : RC/JU
Sample : P3845-06DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Quant Time: Sep 16 14:01:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



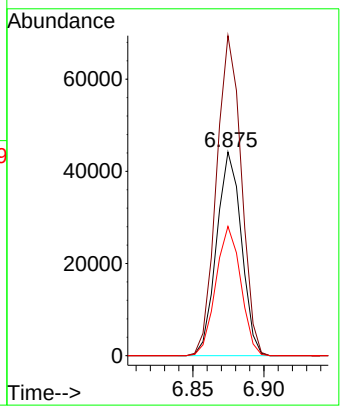


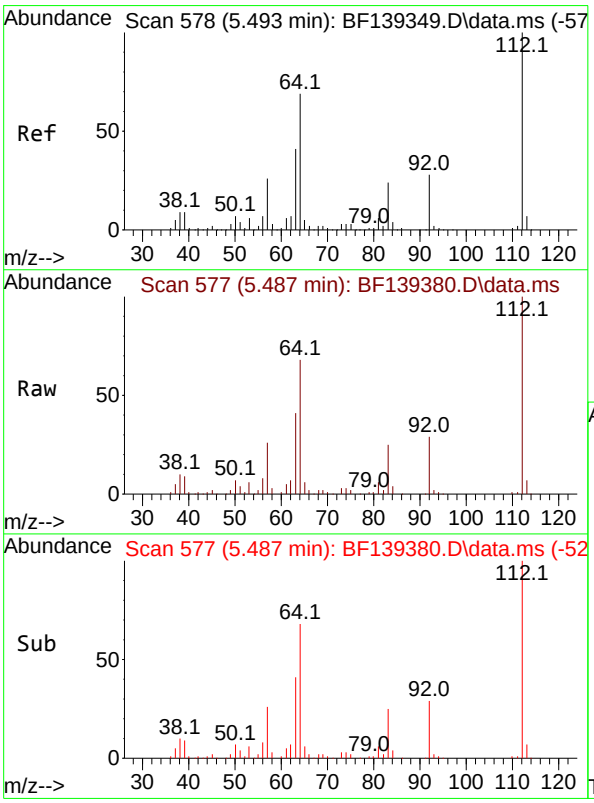

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:152 Resp: 53717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 124.1 | 186.1 |
| 115 | 63.5 | 48.1 | 72.1 |

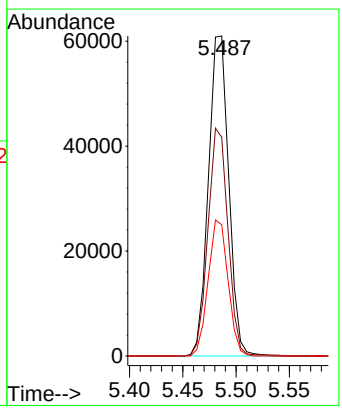


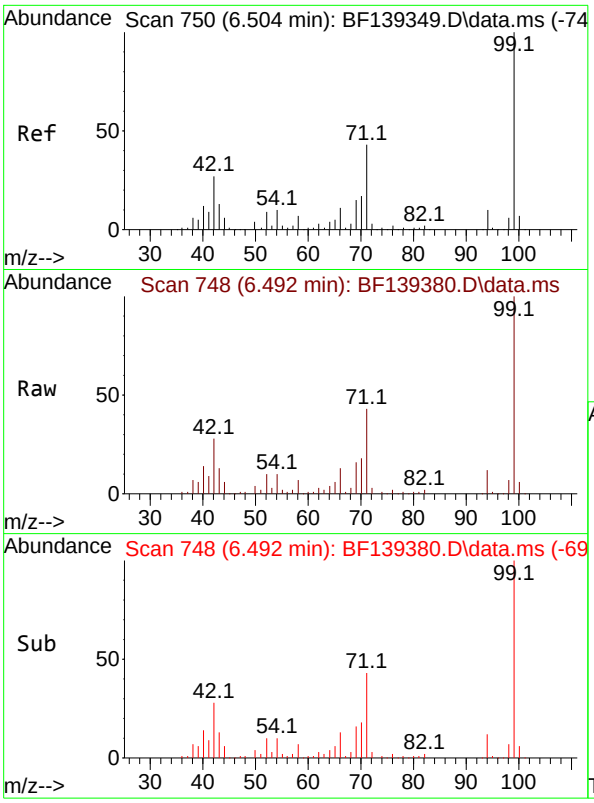




#5
2-Fluorophenol
Concen: 24.610 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:112 Resp: 81036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.3 | 54.8 | 82.2 |
| 63 | 41.0 | 33.0 | 49.4 |



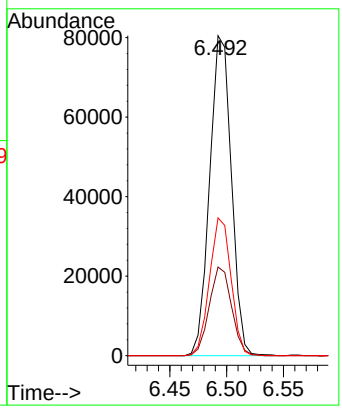


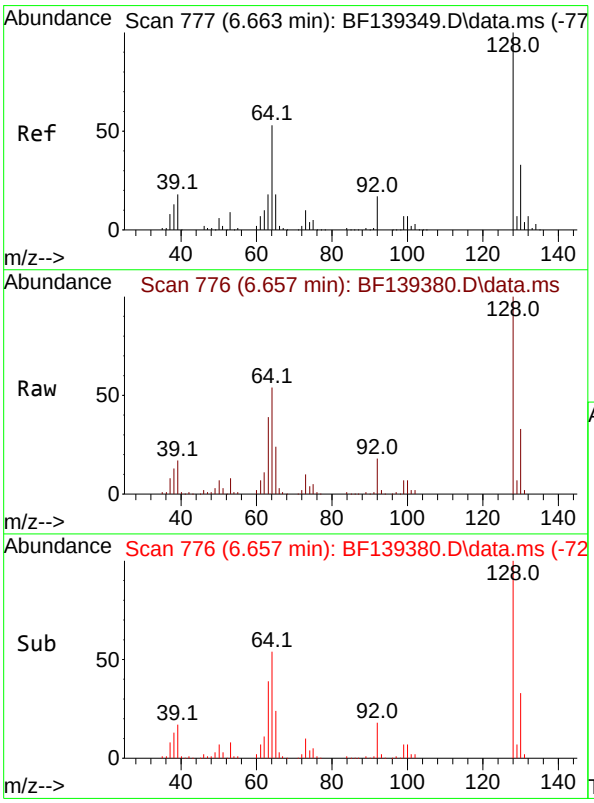

#7
Phenol-d6
Concen: 24.784 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion: 99 Resp: 107117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.7 | 21.9 | 32.9 |
| 71 | 43.0 | 34.6 | 52.0 |

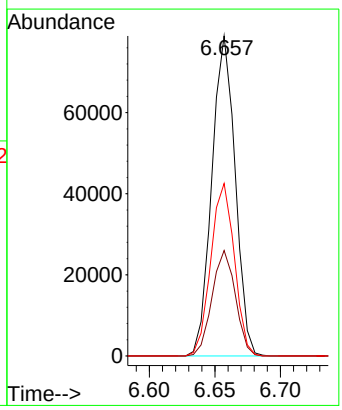


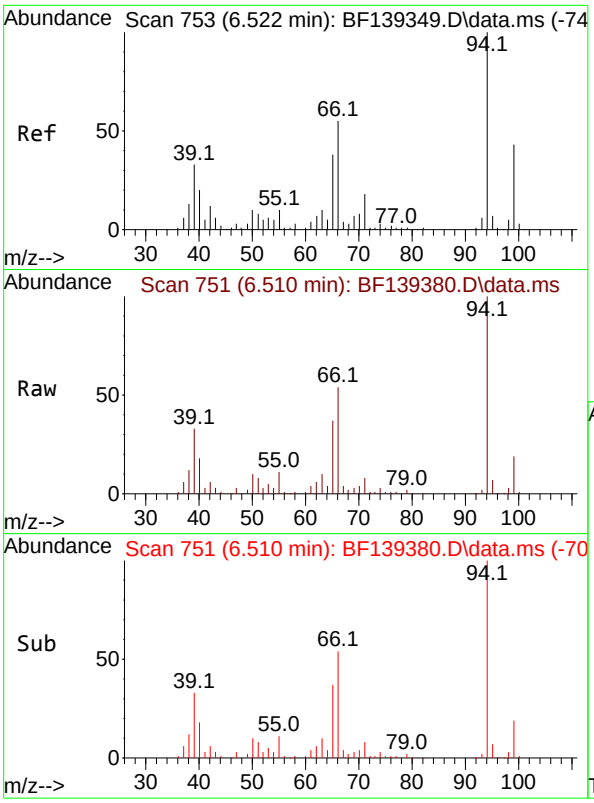




#8
2-Chlorophenol
Concen: 28.789 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:128 Resp: 97582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.8 | 52.8 |
| 64 | 53.9 | 35.1 | 75.1 |



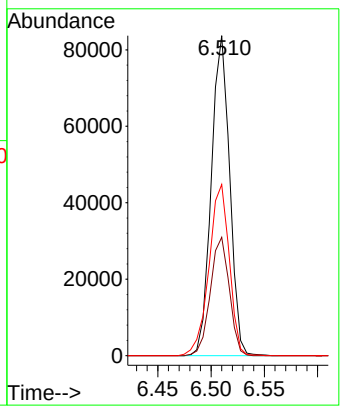


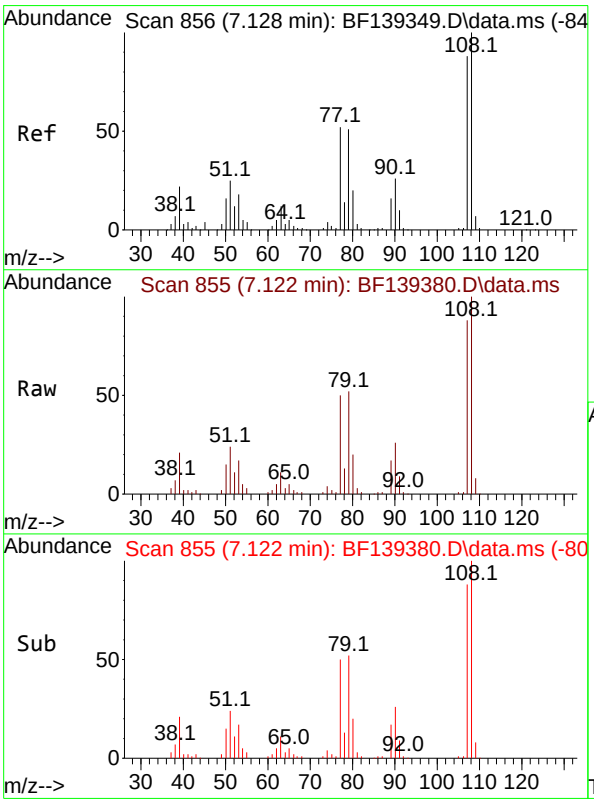

#10
Phenol
Concen: 22.819 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion: 94 Resp: 100447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.0 | 17.6 | 57.6 |
| 66 | 53.5 | 35.2 | 75.2 |

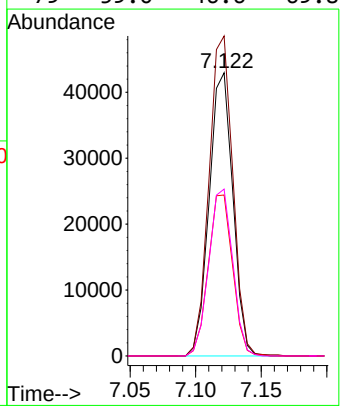


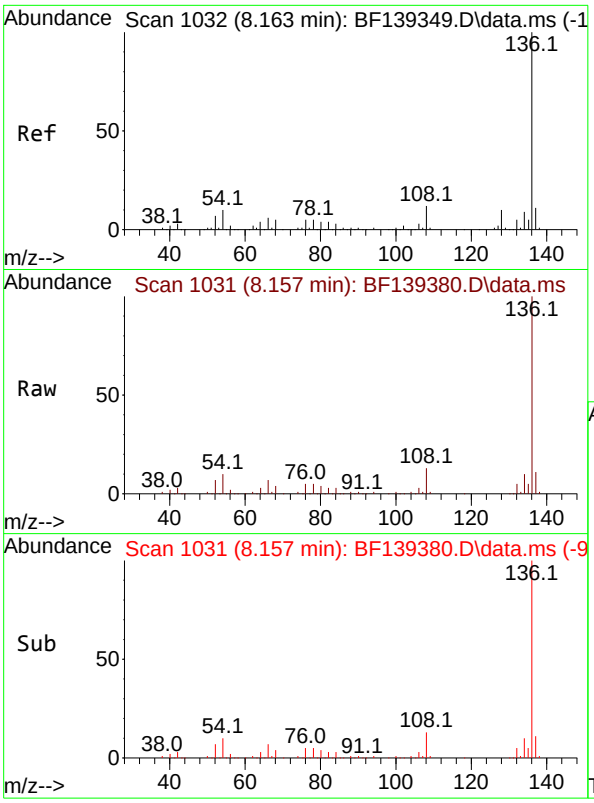




#17
2-Methylphenol
Concen: 20.043 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:107 Resp: 53975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.0 | 90.5 | 135.7 |
| 77 | 56.9 | 47.1 | 70.7 |
| 79 | 59.0 | 46.6 | 69.8 |



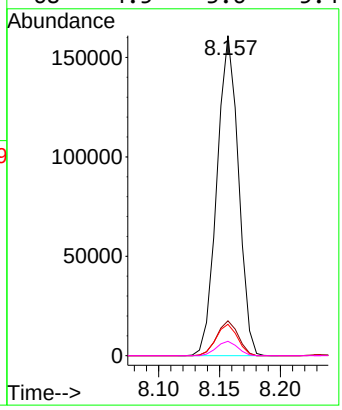


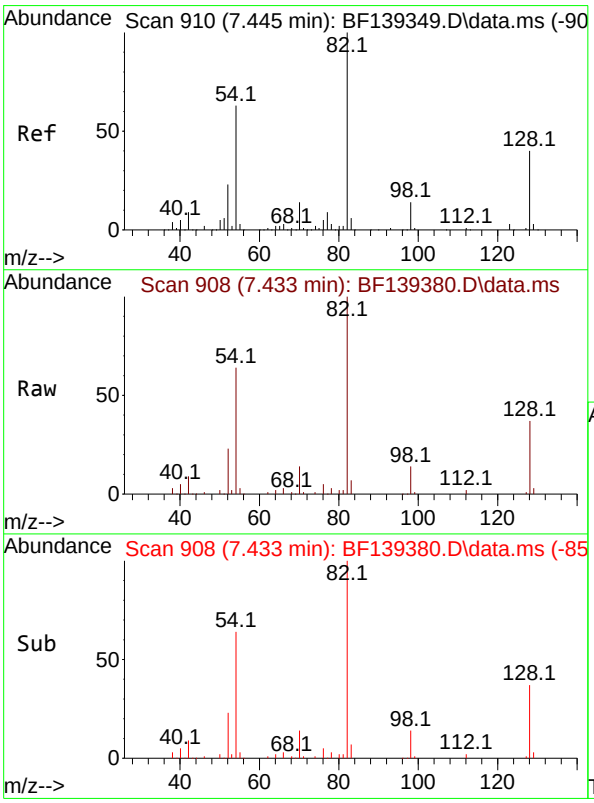

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:136 Resp: 197693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.5 | 3.6 | 5.4 |

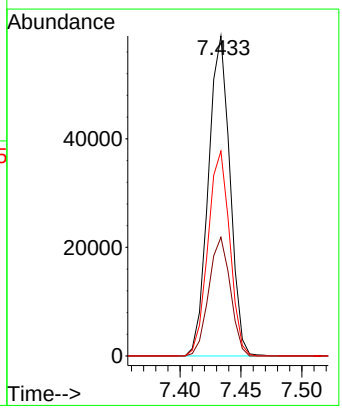


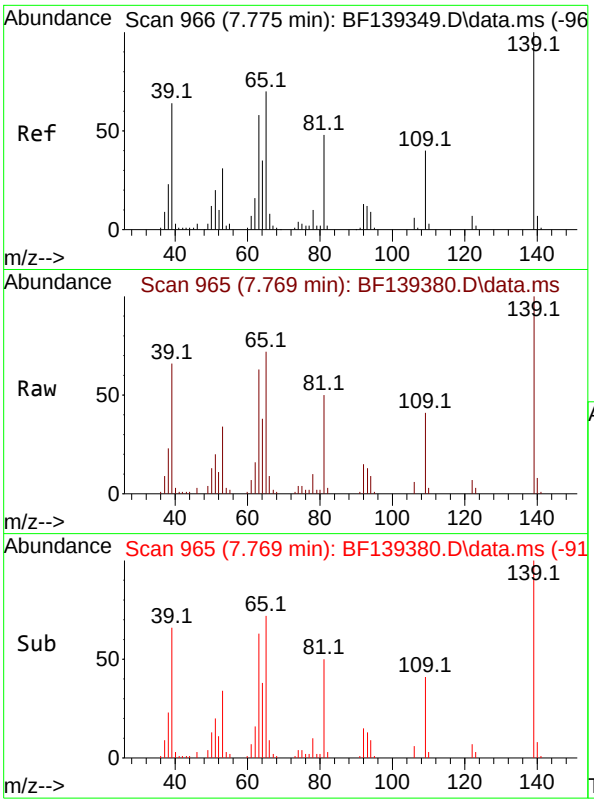




#23
Nitrobenzene-d5
Concen: 17.289 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion: 82 Resp: 72704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.1 | 31.8 | 47.6 |
| 54 | 64.0 | 50.6 | 75.8 |



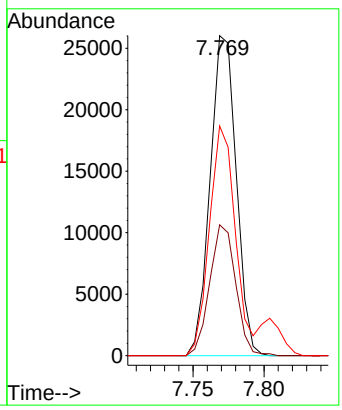


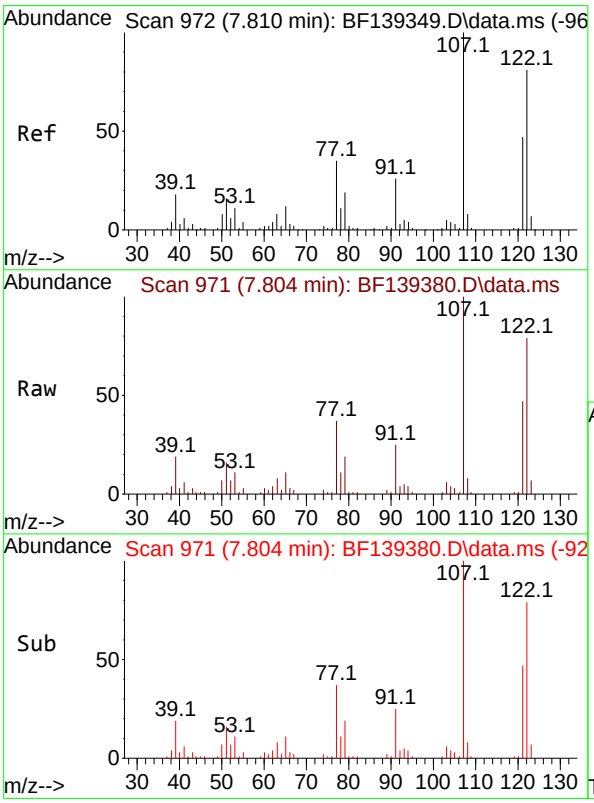

#26
2-Nitrophenol
Concen: 19.755 ng
RT: 7.769 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:139 Resp: 33311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 40.9 | 32.2 | 48.2 |
| 65 | 71.8 | 55.8 | 83.8 |

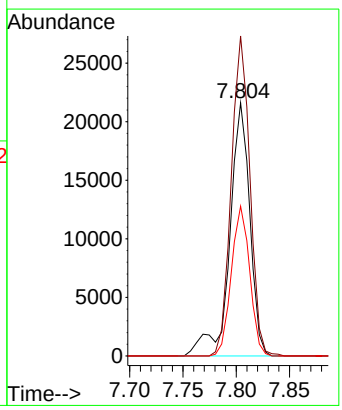


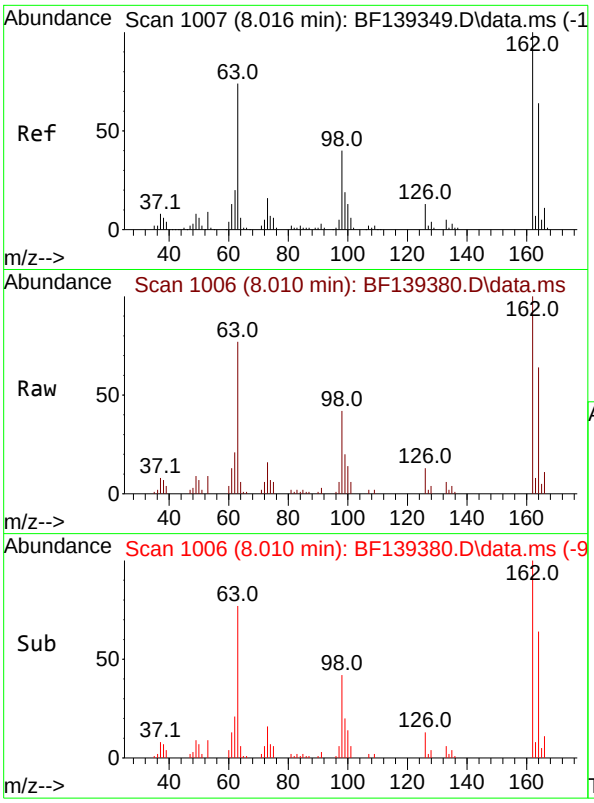




#27
2,4-Dimethylphenol
Concen: 12.757 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:122 Resp: 28375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 126.4 | 99.1 | 148.7 |
| 121 | 59.1 | 46.6 | 70.0 |



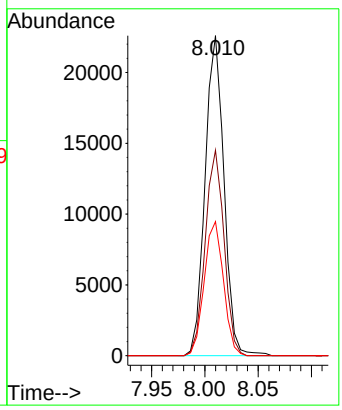


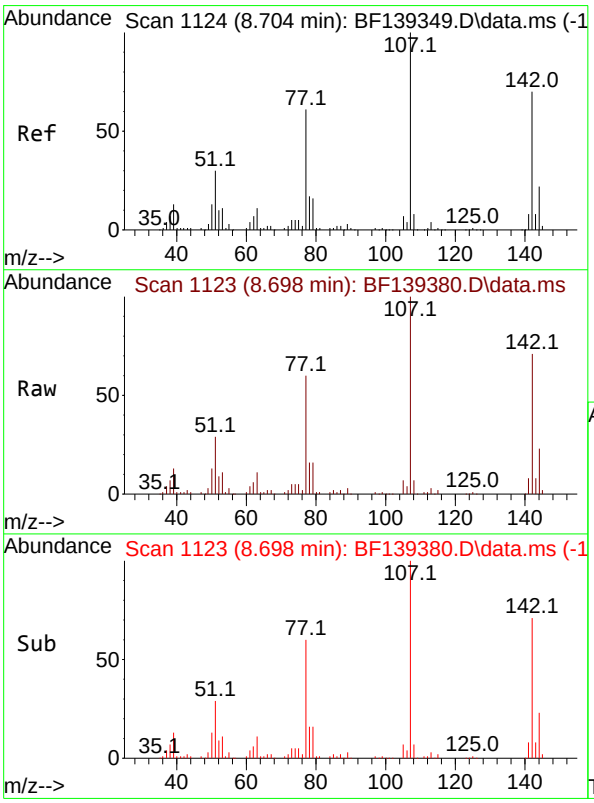

#29
2,4-Dichlorophenol
Concen: 9.890 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:162 Resp: 27945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 43.6 | 83.6 |
| 98 | 41.9 | 19.7 | 59.7 |

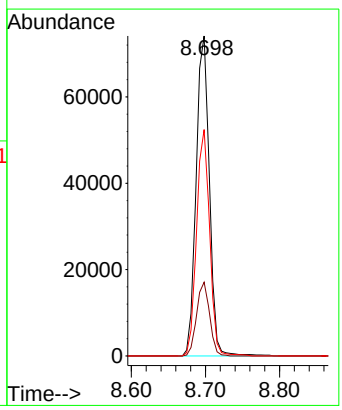


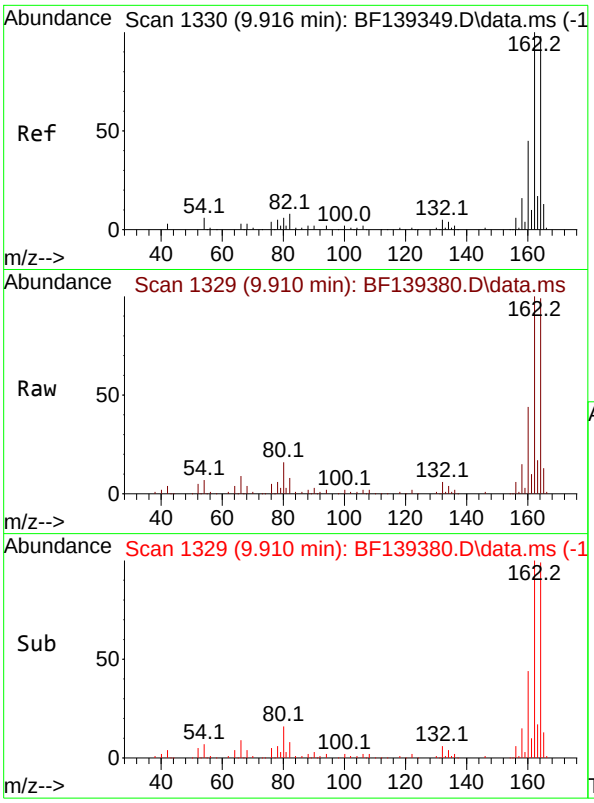




#36
4-Chloro-3-methylphenol
Concen: 28.495 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:107 Resp: 92018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.1 | 17.5 | 26.3 |
| 142 | 70.8 | 55.8 | 83.8 |



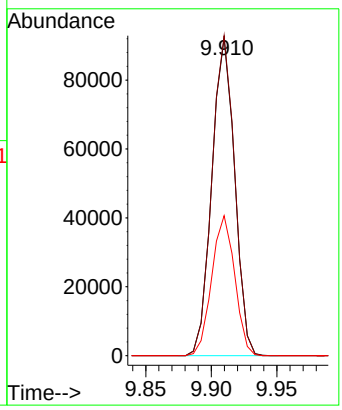


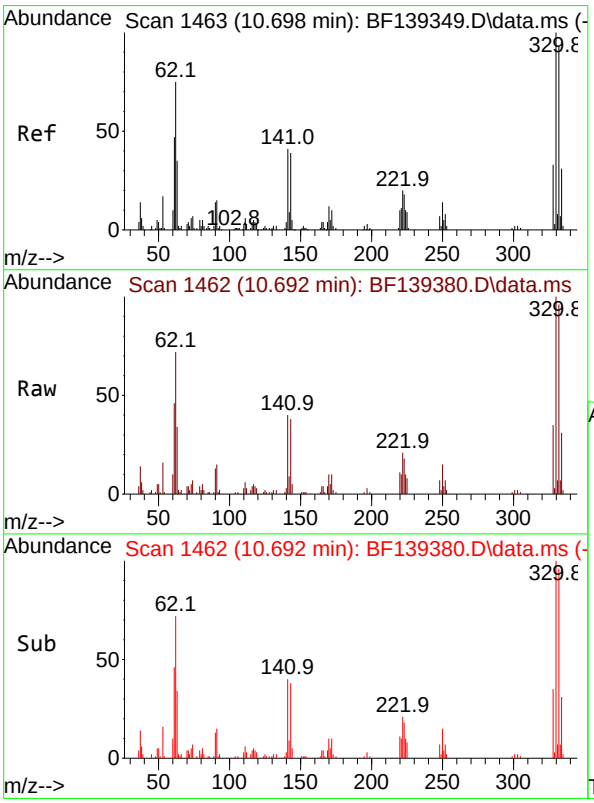

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:164 Resp: 111417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 81.3 | 121.9 |
| 160 | 44.1 | 36.4 | 54.6 |

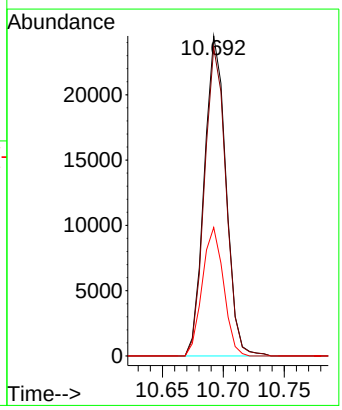


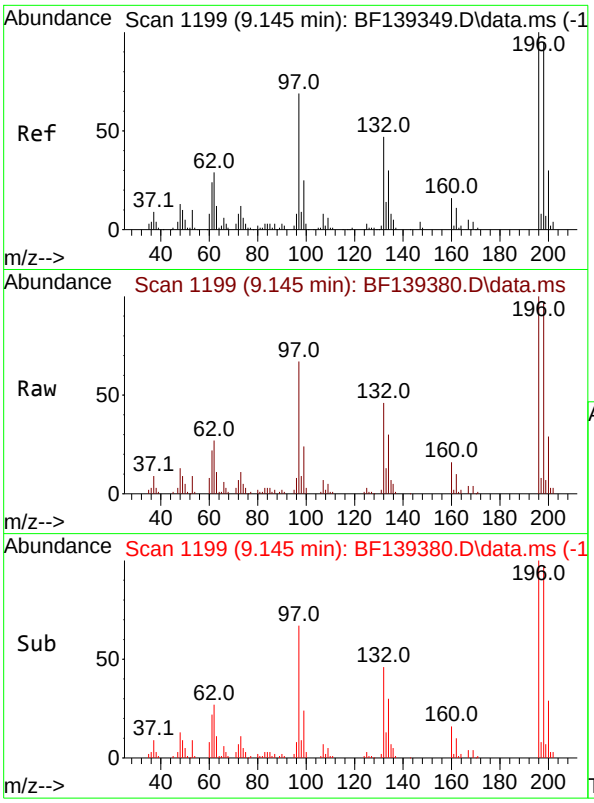




#42
2,4,6-Tribromophenol
Concen: 25.442 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:330 Resp: 30178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 75.2 | 112.8 |
| 141 | 39.5 | 31.2 | 46.8 |



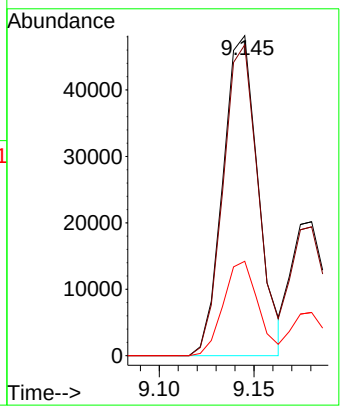


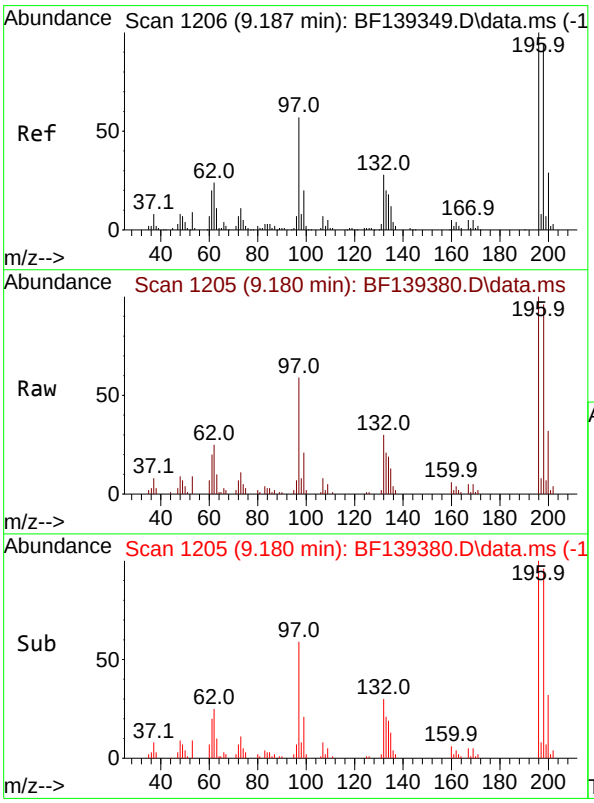

#43
2,4,6-Trichlorophenol
Concen: 28.947 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:196 Resp: 62186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 75.8 | 113.6 |
| 200 | 29.5 | 24.1 | 36.1 |

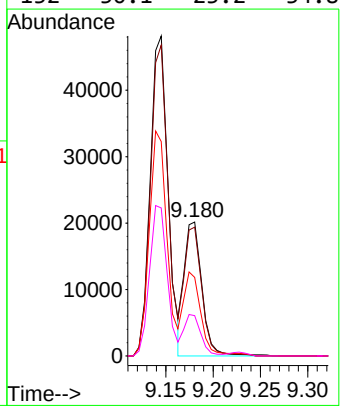


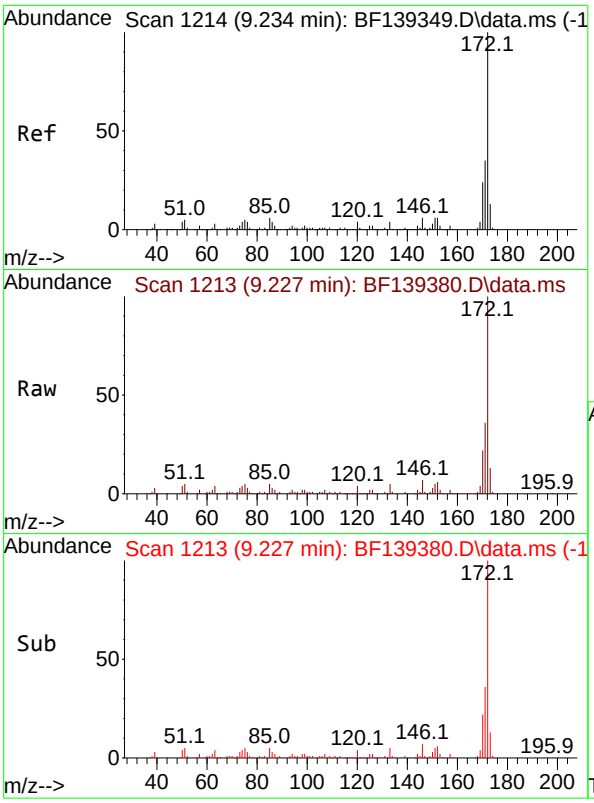




#44
2,4,5-Trichlorophenol
Concen: 11.658 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:196 Resp: 26419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 74.8 | 112.2 |
| 97 | 58.6 | 47.3 | 70.9 |
| 132 | 30.1 | 23.2 | 34.8 |



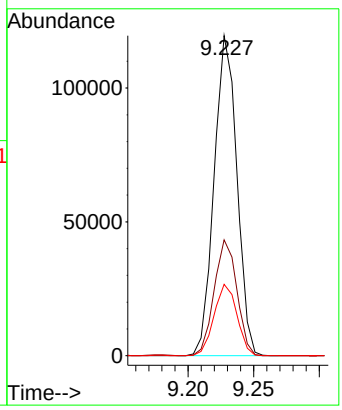


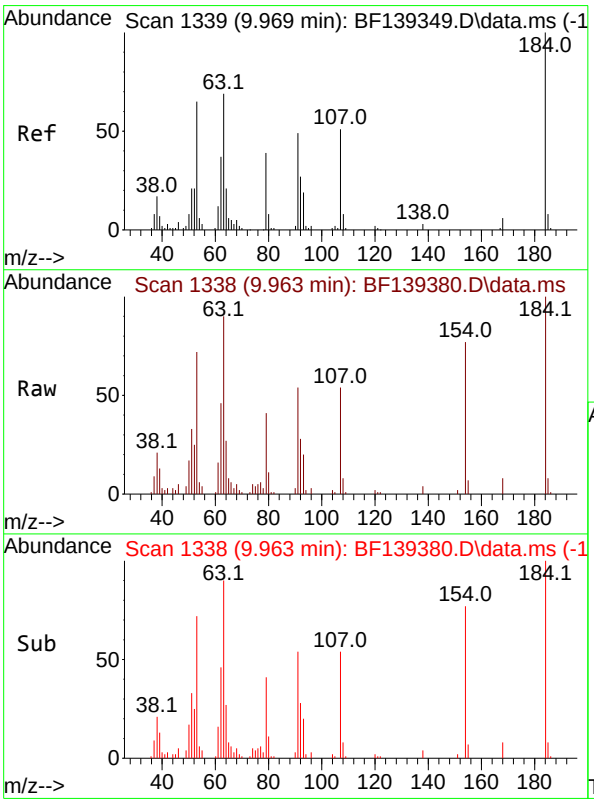

#45
2-Fluorobiphenyl
Concen: 18.138 ng
RT: 9.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:172 Resp: 144091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.3 | 42.5 |
| 170 | 22.3 | 19.0 | 28.6 |

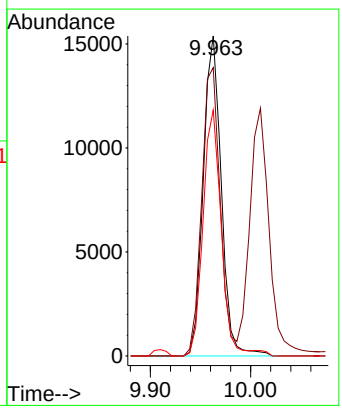


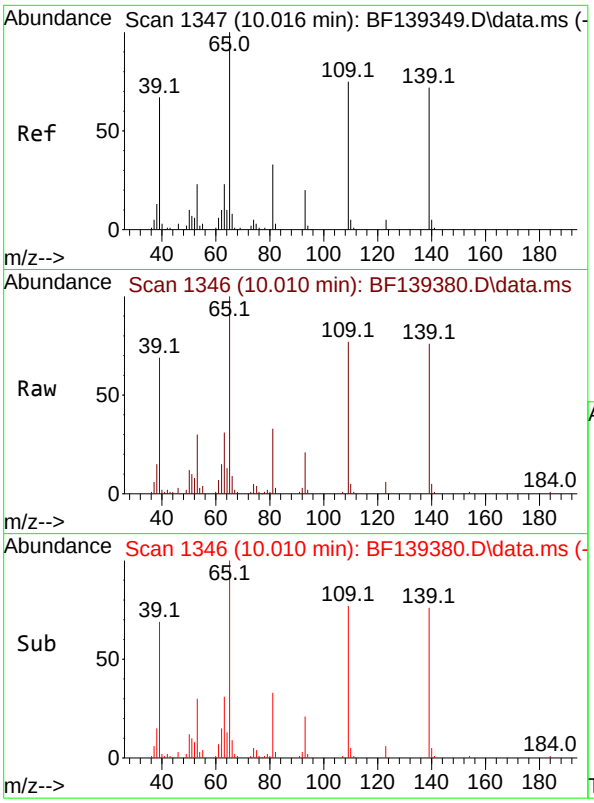




#54
2,4-Dinitrophenol
Concen: 21.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:184 Resp: 19289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 90.1 | 69.3 | 103.9 |
| 154 | 76.8 | 67.5 | 101.3 |



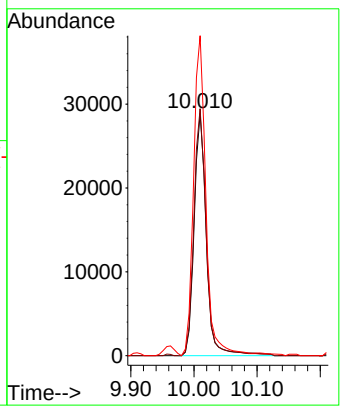


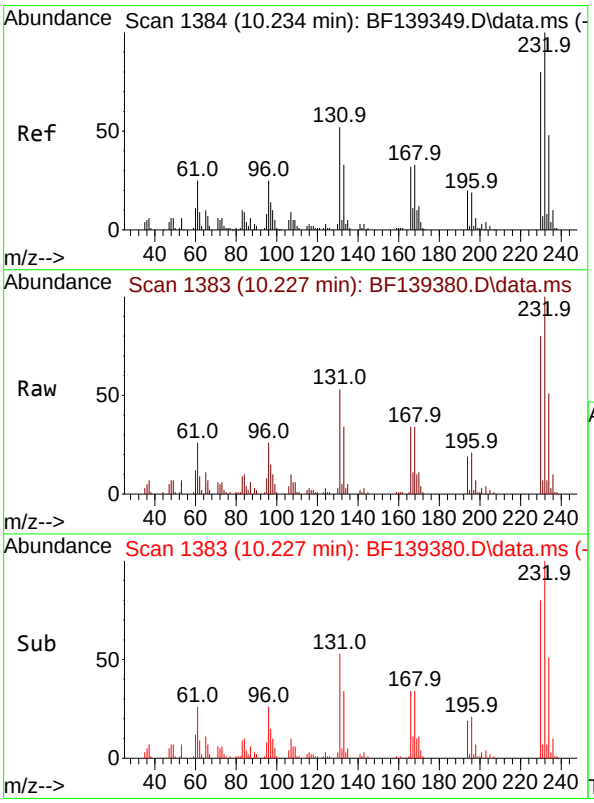

#56
4-Nitrophenol
Concen: 29.054 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:139 Resp: 38922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 101.9 | 84.1 | 124.1 |
| 65 | 132.1 | 120.0 | 160.0 |

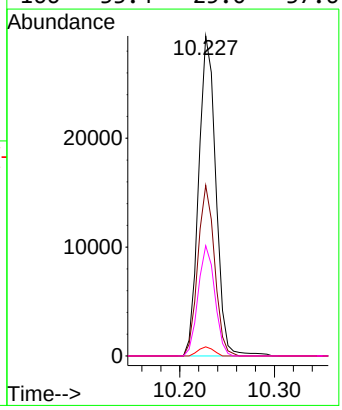


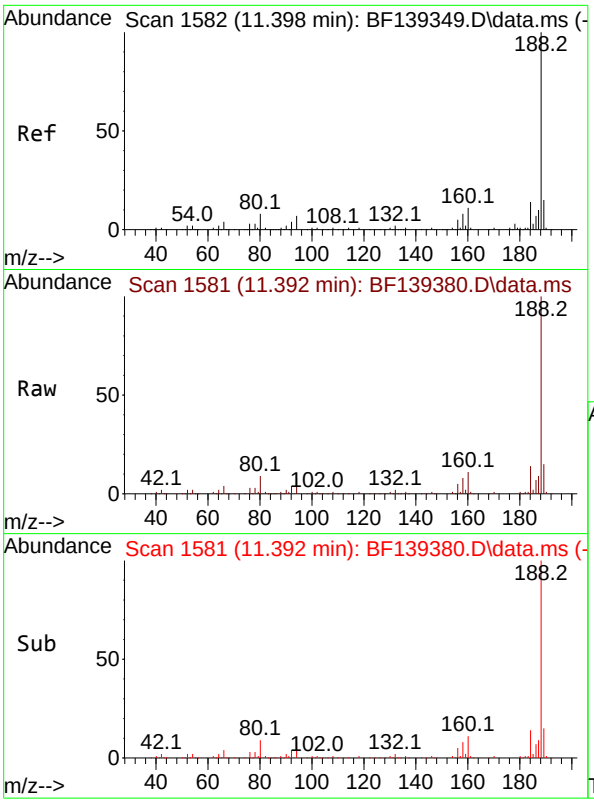




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.746 ng
RT: 10.227 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:232 Resp: 37016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 51.8 | 40.7 | 61.1 |
| 130 | 2.6 | 2.2 | 3.2 |
| 166 | 33.4 | 25.0 | 37.6 |



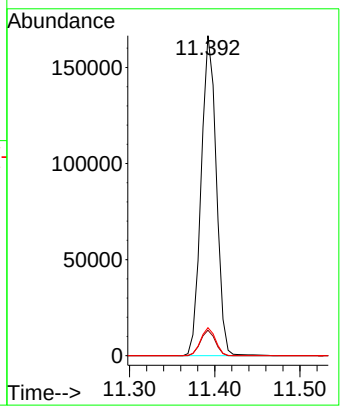


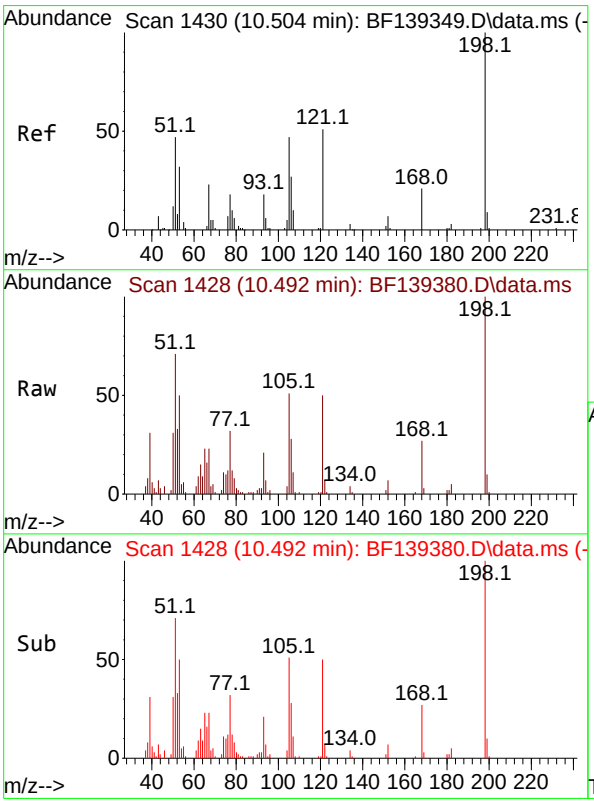

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:188 Resp: 205713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 5.5 | 8.3 |
| 80 | 8.7 | 6.6 | 9.8 |

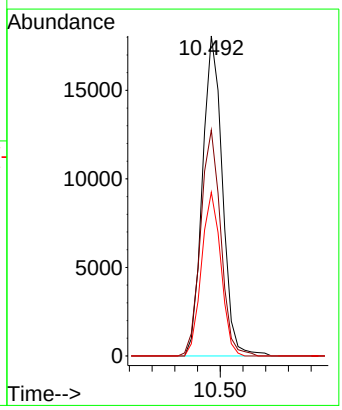


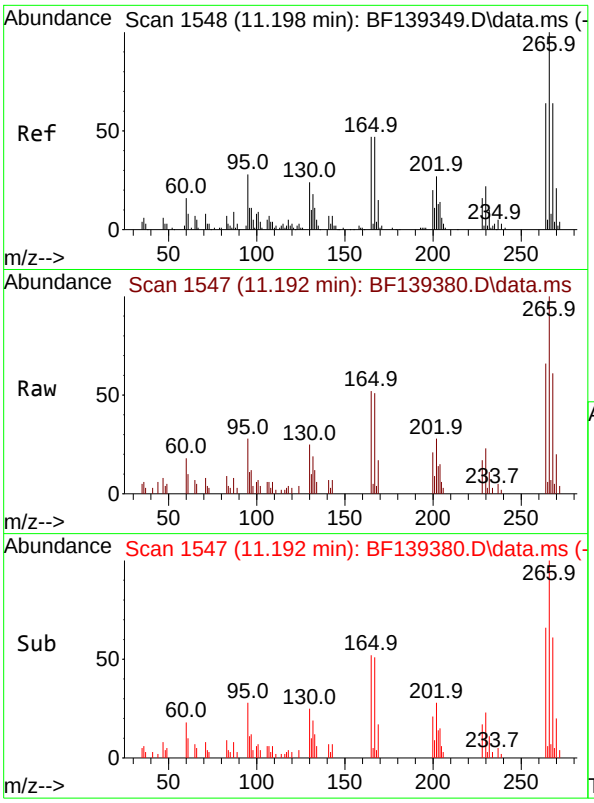




#65
4,6-Dinitro-2-methylphenol
Concen: 20.246 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:198 Resp: 21982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 70.6 | 50.4 | 90.4 |
| 105 | 51.2 | 28.3 | 68.3 |



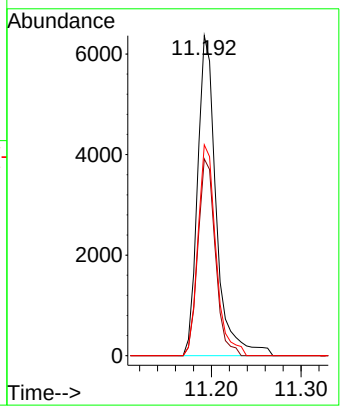


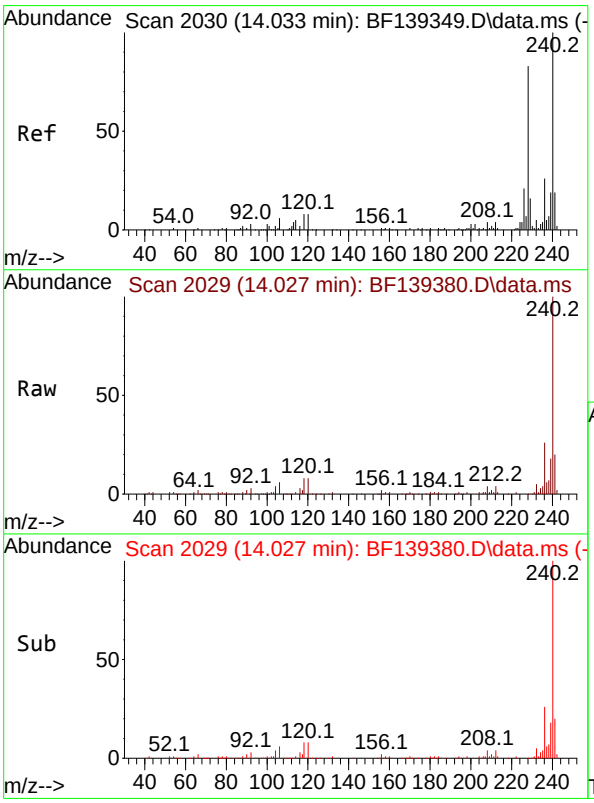

#70
Pentachlorophenol
Concen: 6.397 ng
RT: 11.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:266 Resp: 9184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.5 | 51.1 | 76.7 |
| 264 | 65.9 | 51.4 | 77.0 |

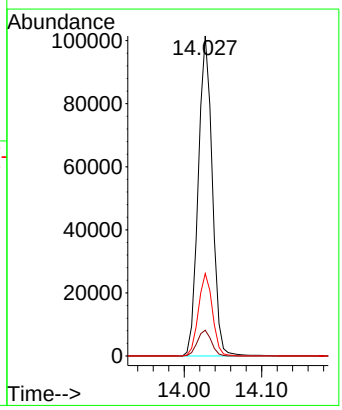


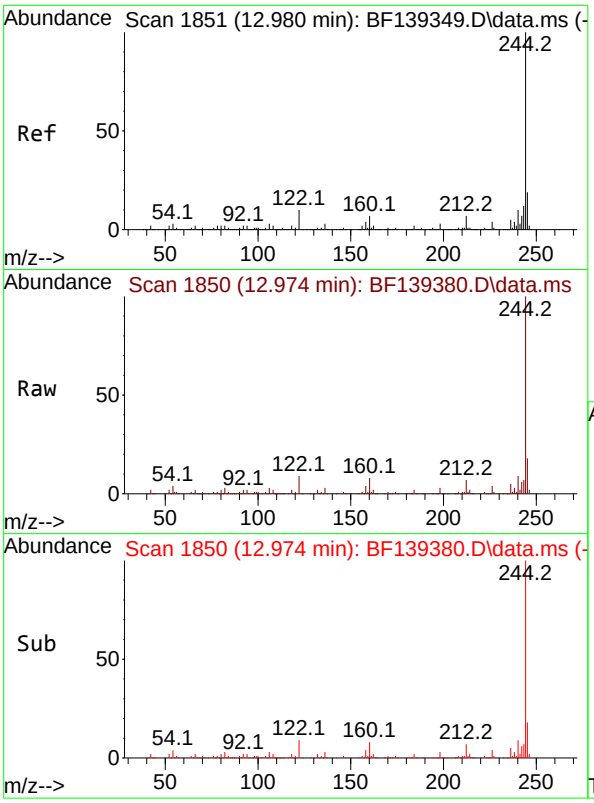




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:240 Resp: 127464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.1 | 6.2 | 9.2 |
| 236 | 25.8 | 20.9 | 31.3 |



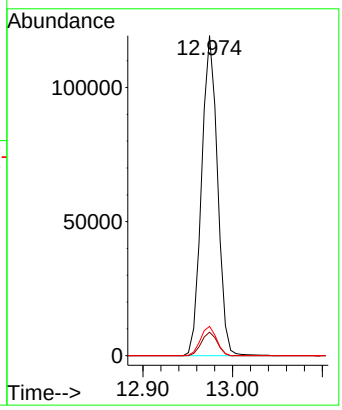


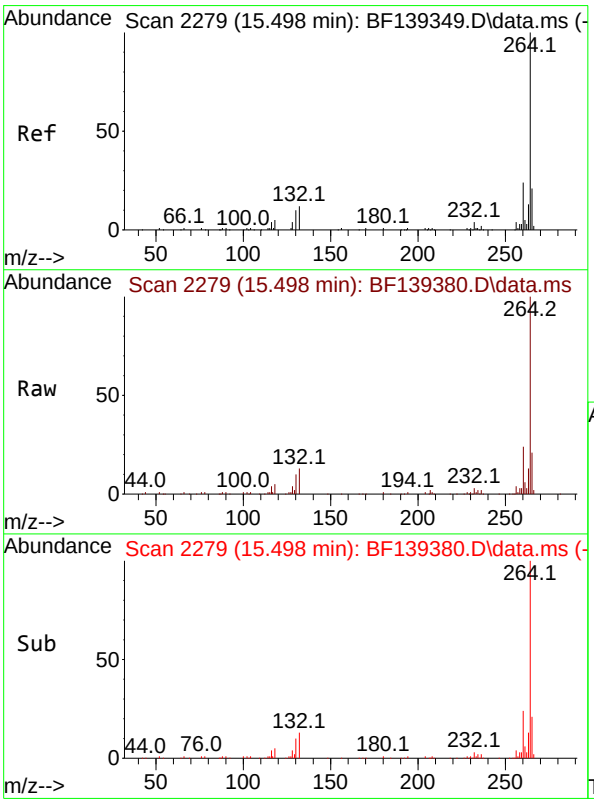

#79
Terphenyl-d14
Concen: 18.957 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

**Instrument :**
BNA_F
**ClientSampleId :**
PT-ACIDS-WPDL

Tgt Ion:244 Resp: 147214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 9.2 | 7.6 | 11.4 |

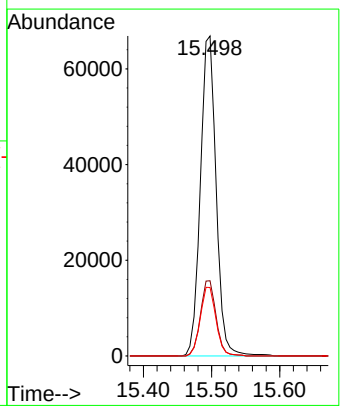



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139380.D
Acq: 16 Sep 2024 13:13

Tgt Ion:264 Resp: 107390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.5 | 29.3 |
| 265 | 21.4 | 16.6 | 25.0 |



# CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 14 02:58:23 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139345.D 5 =BF139346.D 10 =BF139347.D 20 =BF139348.D 40 =BF139349.D 50 =BF139350.D 60 =BF139351.D 80 =BF1393
52.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.553 | 0.504 | 0.521 | 0.494 | 0.447 | 0.464 | 0.460 | 0.492 | 7.66 |
| 3) | | Pyridine | | 1.084 | 1.102 | 1.180 | 1.098 | 1.002 | 1.116 | 1.010 | 1.084 | 5.72 |
| 4) | | n-Nitrosodimet... | | 0.936 | 0.930 | 0.973 | 0.941 | 0.905 | 0.974 | 0.920 | 0.940 | 2.73 |
| 5) | S | 2-Fluorophenol | | 1.255 | 1.223 | 1.262 | 1.216 | 1.174 | 1.254 | 1.198 | 1.226 | 2.71 |
| 6) | | Aniline | | 1.262 | 1.232 | 1.274 | 1.194 | 1.101 | 1.223 | | 1.214 | 5.16 |
| 7) | S | Phenol-d6 | | 1.636 | 1.624 | 1.680 | 1.598 | 1.522 | 1.649 | 1.555 | 1.609 | 3.43 |
| 8) | | 2-Chlorophenol | | 1.262 | 1.295 | 1.305 | 1.242 | 1.203 | 1.297 | 1.230 | 1.262 | 3.08 |
| 9) | | Benzaldehyde | | 1.119 | 1.053 | 1.011 | 0.833 | 0.761 | 0.801 | | 0.930 | 16.10 |
| 10) | C | Phenol | | 1.697 | 1.708 | 1.709 | 1.609 | 1.524 | 1.669 | 1.557 | 1.639 | 4.63 |
| 11) | | bis(2-Chloroet... | | 1.173 | 1.177 | 1.190 | 1.133 | 1.127 | 1.212 | 1.707 | 1.246 | 16.50 |
| 12) | | 1,3-Dichlorobe... | | 1.500 | 1.489 | 1.475 | 1.414 | 1.355 | 1.444 | 1.370 | 1.435 | 4.01 |
| 13) | C | 1,4-Dichlorobe... | | 1.477 | 1.463 | 1.527 | 1.432 | 1.377 | 1.476 | 1.401 | 1.450 | 3.52 |
| 14) | | 1,2-Dichlorobe... | | 1.429 | 1.386 | 1.411 | 1.344 | 1.301 | 1.406 | 1.316 | 1.370 | 3.65 |
| 15) | | Benzyl Alcohol | | 1.277 | 1.307 | 1.332 | 1.282 | 1.220 | 1.336 | 1.233 | 1.284 | 3.52 |
| 16) | | 2,2'-oxybis(1-... | | 2.033 | 1.971 | 2.047 | 1.868 | 1.791 | 1.936 | 1.793 | 1.920 | 5.52 |
| 17) | | 2-Methylphenol | | 0.999 | 1.000 | 1.077 | 0.986 | 0.952 | 1.022 | 0.982 | 1.003 | 3.90 |
| 18) | | Hexachloroethane | | 0.563 | 0.567 | 0.565 | 0.543 | 0.531 | 0.565 | 0.533 | 0.552 | 2.86 |
| 19) | P | n-Nitroso-di-n... | 0.922 | 0.950 | 0.952 | 1.025 | 0.939 | 0.912 | 0.990 | 0.939 | 0.954 | 3.88 |
| 20) | | 3+4-Methylphenols | | 1.397 | 1.358 | 1.413 | 1.351 | 1.306 | 1.420 | 1.331 | 1.368 | 3.15 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.521 | 0.509 | 0.535 | 0.539 | 0.502 | 0.540 | 0.515 | 0.523 | 2.87 |
| 23) | S | Nitrobenzene-d5 | | 0.409 | 0.415 | 0.434 | 0.441 | 0.408 | 0.443 | 0.428 | 0.425 | 3.43 |
| 24) | | Nitrobenzene | | 0.434 | 0.436 | 0.442 | 0.453 | 0.422 | 0.448 | 0.430 | 0.438 | 2.42 |
| 25) | | Isophorone | | 0.658 | 0.670 | 0.698 | 0.685 | 0.647 | 0.688 | 0.663 | 0.673 | 2.73 |
| 26) | C | 2-Nitrophenol | | 0.153 | 0.157 | 0.169 | 0.182 | 0.169 | 0.184 | 0.180 | 0.171 | 7.27 |
| 27) | | 2,4-Dimethylph... | | 0.216 | 0.219 | 0.231 | 0.235 | 0.219 | 0.235 | 0.221 | 0.225 | 3.76 |
| 28) | | bis(2-Chloroet... | | 0.394 | 0.378 | 0.389 | 0.387 | 0.364 | 0.392 | 0.381 | 0.383 | 2.72 |
| 29) | C | 2,4-Dichloroph... | | 0.289 | 0.283 | 0.285 | 0.295 | 0.272 | 0.294 | 0.283 | 0.286 | 2.79 |
| 30) | | 1,2,4-Trichlor... | | 0.347 | 0.331 | 0.336 | 0.341 | 0.316 | 0.337 | 0.325 | 0.333 | 3.07 |
| 31) | | Naphthalene | | 1.043 | 1.038 | 1.045 | 1.070 | 1.003 | 1.076 | 1.034 | 1.044 | 2.32 |
| 32) | | Benzoic acid | | 0.164 | 0.184 | 0.219 | 0.220 | 0.221 | 0.235 | 0.231 | 0.211 | 12.54 |
| 33) | | 4-Chloroaniline | | 0.307 | 0.327 | 0.334 | 0.337 | 0.305 | 0.332 | 0.293 | 0.319 | 5.44 |
| 34) | C | Hexachlorobuta... | | 0.228 | 0.231 | 0.228 | 0.232 | 0.220 | 0.227 | 0.218 | 0.226 | 2.36 |
| 35) | | Caprolactam | | 0.087 | 0.086 | 0.089 | 0.093 | 0.083 | 0.089 | 0.088 | 0.088 | 3.74 |
| 36) | C | 4-Chloro-3-met... | | 0.315 | 0.317 | 0.336 | 0.341 | 0.315 | 0.336 | 0.327 | 0.327 | 3.34 |
| 37) | | 2-Methylnaphth... | | 0.672 | 0.645 | 0.684 | 0.680 | 0.631 | 0.675 | 0.651 | 0.663 | 3.06 |
| 38) | | 1-Methylnaphth... | | 0.656 | 0.647 | 0.670 | 0.662 | 0.616 | 0.661 | 0.643 | 0.651 | 2.70 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091324.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.600 | 0.570 | 0.607 | 0.619 | 0.569 | 0.597 | 0.588 | 0.593 | 3.15 |
| 41) | P | Hexachlorocycl... | 0.198 | 0.196 | 0.224 | 0.229 | 0.207 | 0.208 | 0.187 | 0.207 | 7.28 |
| 42) | S | 2,4,6-Tribromo... | 0.212 | 0.202 | 0.220 | 0.229 | 0.204 | 0.215 | 0.210 | 0.213 | 4.48 |
| 43) | C | 2,4,6-Trichlor... | 0.378 | 0.373 | 0.388 | 0.421 | 0.370 | 0.385 | 0.384 | 0.386 | 4.45 |
| 44) | | 2,4,5-Trichlor... | 0.378 | 0.389 | 0.426 | 0.434 | 0.400 | 0.411 | 0.410 | 0.407 | 4.87 |
| 45) | S | 2-Fluorobiphenyl | 1.470 | 1.399 | 1.473 | 1.491 | 1.357 | 1.407 | 1.385 | 1.426 | 3.60 |
| 46) | | 1,1'-Biphenyl | 1.615 | 1.478 | 1.566 | 1.613 | 1.479 | 1.510 | 1.509 | 1.539 | 3.84 |
| 47) | | 2-Chloronaphth... | 1.130 | 1.110 | 1.181 | 1.215 | 1.116 | 1.155 | 1.146 | 1.150 | 3.25 |
| 48) | | 2-Nitroaniline | 0.387 | 0.407 | 0.436 | 0.456 | 0.428 | 0.443 | 0.439 | 0.428 | 5.45 |
| 49) | | Acenaphthylene | 1.696 | 1.705 | 1.799 | 1.814 | 1.681 | 1.718 | 1.709 | 1.732 | 3.04 |
| 50) | | Dimethylphthalate | 1.318 | 1.284 | 1.354 | 1.382 | 1.253 | 1.313 | 1.285 | 1.313 | 3.36 |
| 51) | | 2,6-Dinitrotol... | 0.261 | 0.275 | 0.303 | 0.313 | 0.290 | 0.296 | 0.297 | 0.291 | 5.97 |
| 52) | C | Acenaphthene | 1.186 | 1.141 | 1.246 | 1.289 | 1.169 | 1.214 | 1.215 | 1.209 | 4.10 |
| 53) | | 3-Nitroaniline | 0.279 | 0.276 | 0.311 | 0.319 | 0.284 | 0.299 | 0.266 | 0.291 | 6.72 |
| 54) | P | 2,4-Dinitrophenol | | 0.107 | 0.149 | 0.178 | 0.174 | 0.180 | 0.183 | 0.162 | 18.18 |
| 55) | | Dibenzofuran | 1.687 | 1.668 | 1.738 | 1.780 | 1.600 | 1.684 | 1.635 | 1.685 | 3.59 |
| 56) | P | 4-Nitrophenol | 0.225 | 0.228 | 0.243 | 0.264 | 0.244 | 0.240 | 0.238 | 0.240 | 5.30 |
| 57) | | 2,4-Dinitrotol... | 0.364 | 0.365 | 0.391 | 0.434 | 0.388 | 0.406 | 0.400 | 0.393 | 6.20 |
| 58) | | Fluorene | 1.373 | 1.323 | 1.424 | 1.472 | 1.325 | 1.360 | 1.345 | 1.375 | 4.00 |
| 59) | | 2,3,4,6-Tetrac... | 0.317 | 0.327 | 0.364 | 0.359 | 0.325 | 0.336 | 0.329 | 0.336 | 5.35 |
| 60) | | Diethylphthalate | 1.359 | 1.291 | 1.405 | 1.440 | 1.309 | 1.346 | 1.332 | 1.355 | 3.87 |
| 61) | | 4-Chlorophenyl... | 0.671 | 0.638 | 0.691 | 0.705 | 0.642 | 0.665 | 0.664 | 0.668 | 3.62 |
| 62) | | 4-Nitroaniline | 0.303 | 0.315 | 0.344 | 0.348 | 0.307 | 0.314 | 0.289 | 0.317 | 6.80 |
| 63) | | Azobenzene | 1.341 | 1.286 | 1.375 | 1.423 | 1.280 | 1.314 | 1.309 | 1.332 | 3.86 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | 0.075 | 0.092 | 0.105 | 0.117 | 0.113 | 0.119 | 0.119 | 0.106 | 15.89 |
| 66) | c | n-Nitrosodiphe... | 0.581 | 0.564 | 0.593 | 0.601 | 0.560 | 0.594 | 0.601 | 0.585 | 2.92 |
| 67) | | 4-Bromophenyl-... | 0.190 | 0.186 | 0.201 | 0.207 | 0.191 | 0.206 | 0.206 | 0.198 | 4.37 |
| 68) | | Hexachlorobenzene | 0.232 | 0.229 | 0.228 | 0.243 | 0.223 | 0.236 | 0.237 | 0.233 | 2.86 |
| 69) | | Atrazine | 0.175 | 0.165 | 0.144 | 0.121 | 0.141 | 0.114 | 0.115 | 0.139 | 17.35 |
| 70) | C | Pentachlorophenol | 0.123 | 0.130 | 0.143 | 0.150 | 0.137 | 0.149 | 0.144 | 0.140 | 7.21 |
| 71) | | Phenanthrene | 0.981 | 0.928 | 0.992 | 1.004 | 0.938 | 0.969 | 0.943 | 0.965 | 3.02 |
| 72) | | Anthracene | 0.945 | 0.909 | 0.971 | 0.987 | 0.913 | 0.957 | 0.922 | 0.943 | 3.18 |
| 73) | | Carbazole | 0.923 | 0.897 | 0.958 | 0.946 | 0.881 | 0.884 | 0.831 | 0.903 | 4.80 |
| 74) | | Di-n-butylphth... | 0.935 | 0.972 | 1.073 | 1.075 | 0.991 | 1.024 | 0.970 | 1.006 | 5.34 |
| 75) | C | Fluoranthene | 1.100 | 1.092 | 1.137 | 1.085 | 0.957 | 0.960 | 0.882 | 1.030 | 9.31 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.174 | 0.181 | 0.262 | 0.384 | 0.269 | 0.401 | 0.334 | 0.287 | 31.62 |
| 78) | | Pyrene | 1.536 | 1.568 | 1.791 | 1.924 | 1.774 | 1.781 | 1.647 | 1.717 | 8.07 |
| 79) | S | Terphenyl-d14 | 1.100 | 1.128 | 1.282 | 1.349 | 1.239 | 1.282 | 1.150 | 1.218 | 7.67 |
| 80) | | Butylbenzylpht... | 0.519 | 0.552 | 0.630 | 0.627 | 0.585 | 0.601 | 0.578 | 0.585 | 6.81 |
| 81) | | Benzo(a)anthra... | 1.334 | 1.287 | 1.404 | 1.358 | 1.262 | 1.312 | 1.317 | 1.325 | 3.51 |
| 82) | | 3,3'-Dichlorob... | 0.388 | 0.384 | 0.396 | 0.374 | 0.367 | 0.408 | 0.397 | 0.388 | 3.64 |
| 83) | | Chrysene | 1.252 | 1.206 | 1.206 | 1.234 | 1.185 | 1.242 | 1.206 | 1.219 | 1.98 |
| 84) | | Bis(2-ethylhex... | 0.688 | 0.711 | 0.816 | 0.764 | 0.727 | 0.761 | 0.739 | 0.744 | 5.63 |
| 85) | c | Di-n-octyl pht... | 0.969 | 0.954 | 1.076 | 1.129 | 1.103 | 1.204 | 1.230 | 1.095 | 9.68 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091324.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 0.947 | 1.025 | 1.175 | 1.363 | 1.261 | 1.313 | 1.240 | 1.189 | 12.81 |
| 88) | | Benzo(b)fluora... | 1.284 | 1.188 | 1.332 | 1.226 | 1.186 | 1.216 | 1.202 | 1.233 | 4.43 |
| 89) | | Benzo(k)fluora... | 1.221 | 1.212 | 1.107 | 1.191 | 1.028 | 1.124 | 1.079 | 1.137 | 6.40 |
| 90) | C | Benzo(a)pyrene | 1.002 | 0.985 | 1.031 | 1.076 | 0.992 | 1.056 | 1.018 | 1.023 | 3.29 |
| 91) | | Dibenzo(a,h)an... | 0.770 | 0.847 | 0.973 | 1.098 | 1.044 | 1.109 | 1.038 | 0.983 | 13.12 |
| 92) | | Benzo(g,h,i)pe... | 0.805 | 0.846 | 0.974 | 1.106 | 1.031 | 1.066 | 0.982 | 0.973 | 11.42 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139345.D
Acq On : 13 Sep 2024 14:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 14 02:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

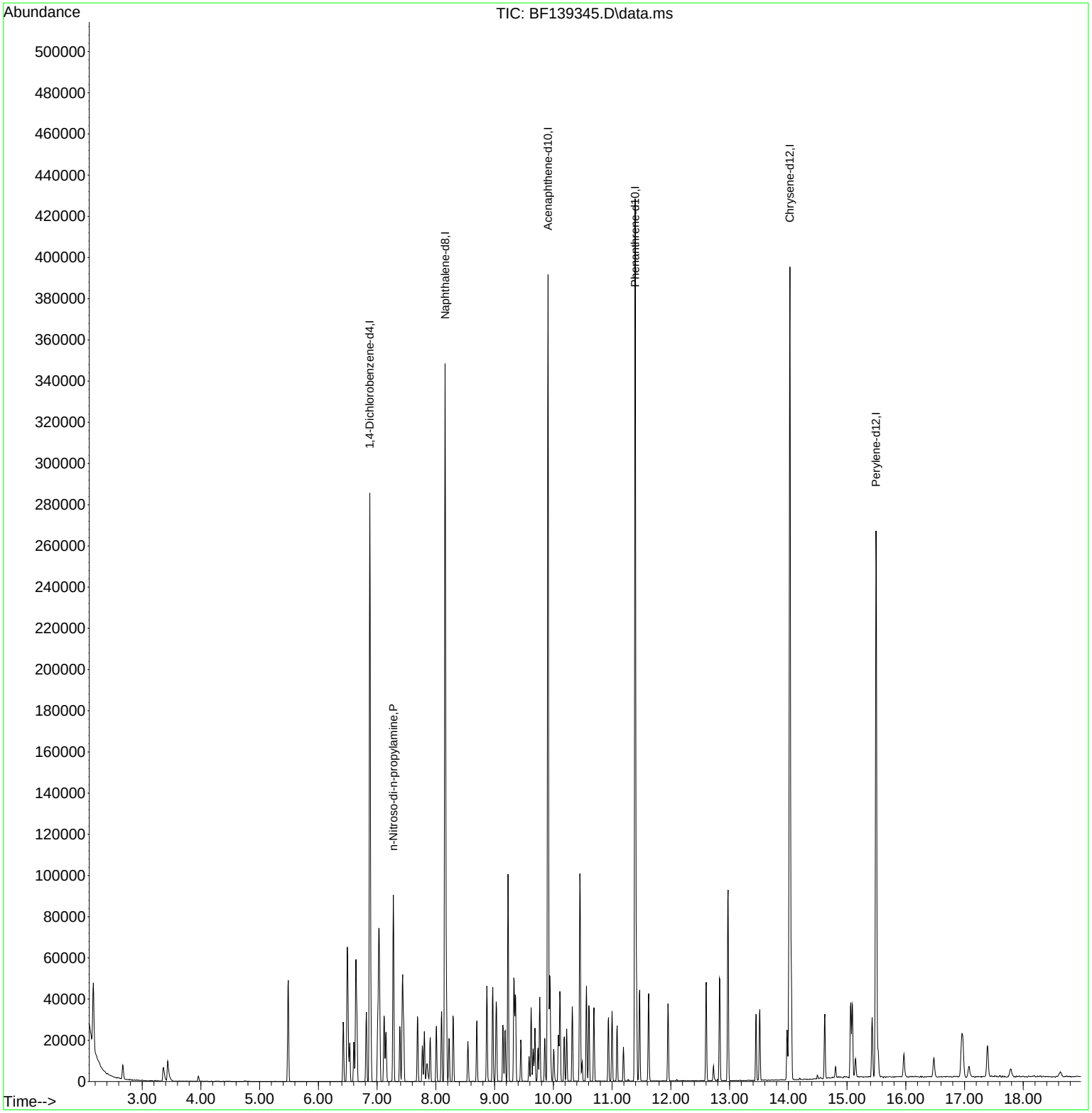
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 52475 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 194429 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 112483 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 216754 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 170430 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 158055 | 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 | 6045 | 2.506 | ng | 91 |

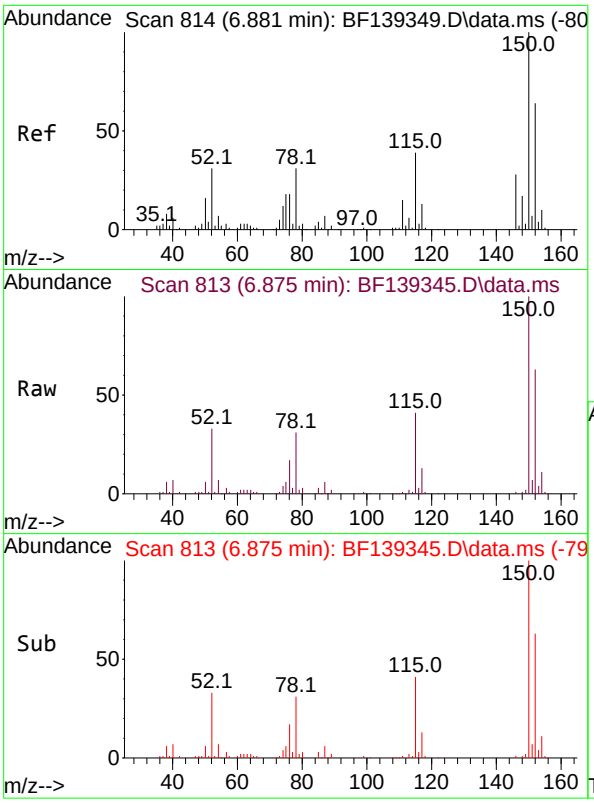
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139345.D
Acq On : 13 Sep 2024 14:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 14 02:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration



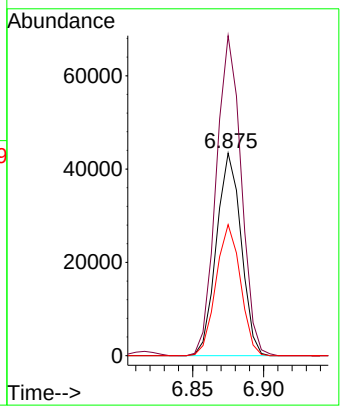


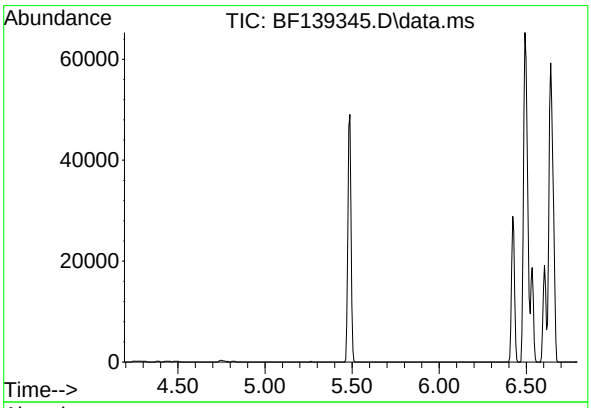

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion:152 Resp: 52475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 124.1 | 186.1 |
| 115 | 64.7 | 48.1 | 72.1 |



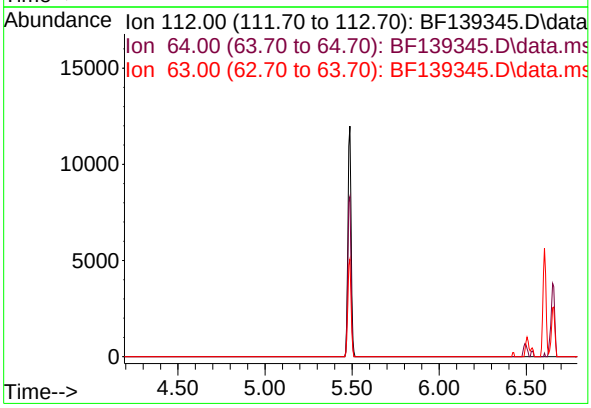



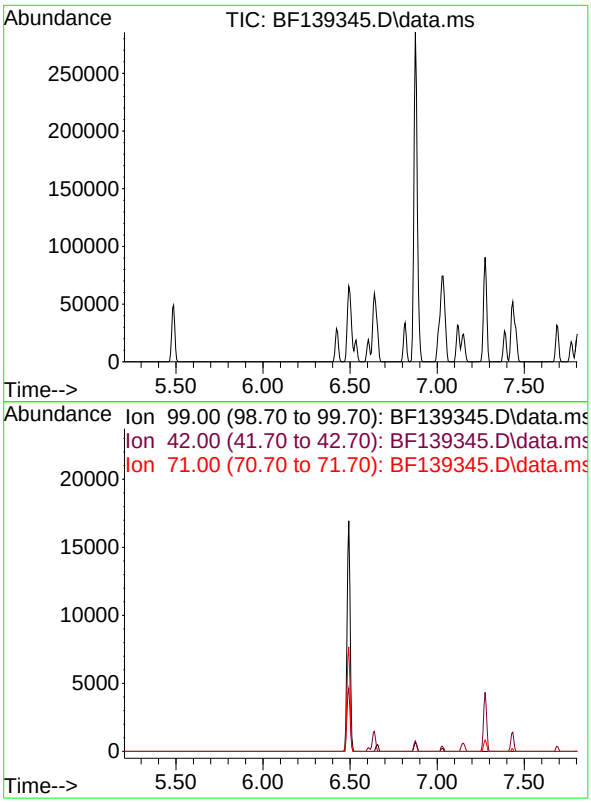

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 68.5 |
| 63 | 41.2 |





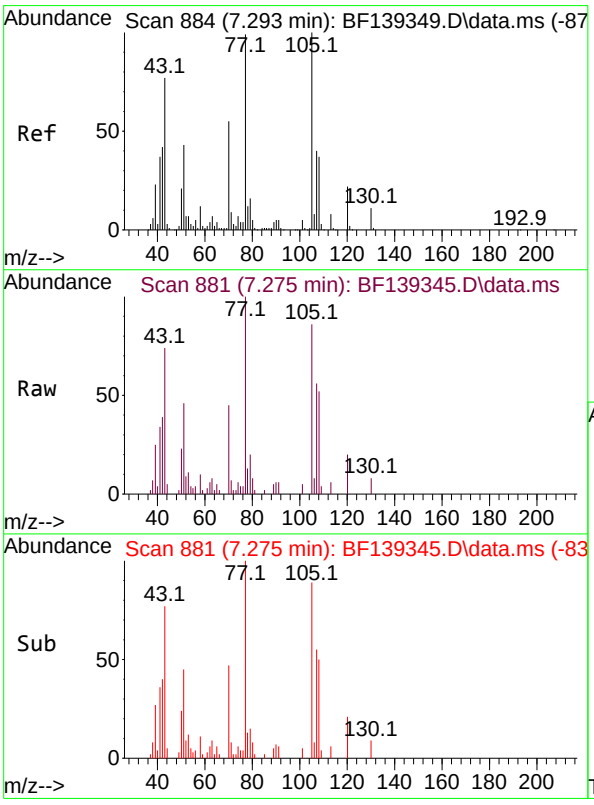

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion: 99

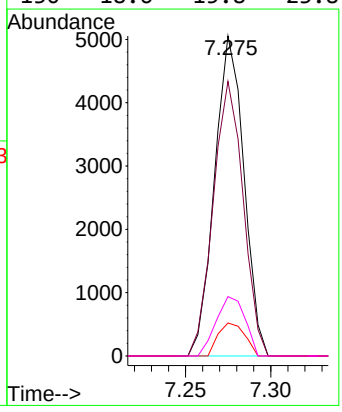
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 27.4 |
| 71 | 43.3 |

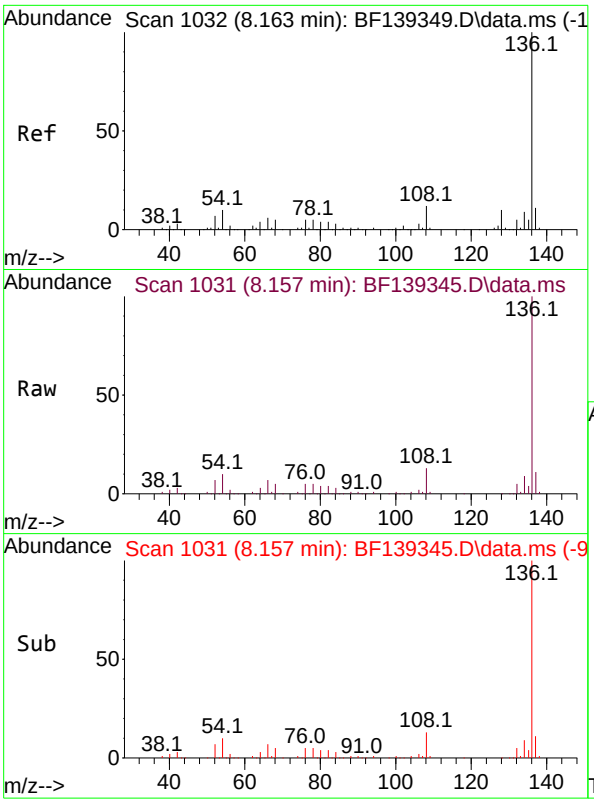



#19
n-Nitroso-di-n-propylamine
Concen: 2.506 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion: 70 Resp: 6045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 85.8 | 61.2 | 91.8 |
| 101 | 10.3 | 7.5 | 11.3 |
| 130 | 18.6 | 15.8 | 23.8 |



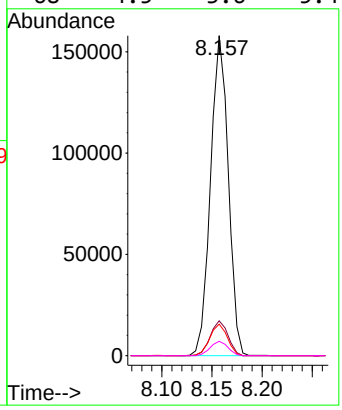


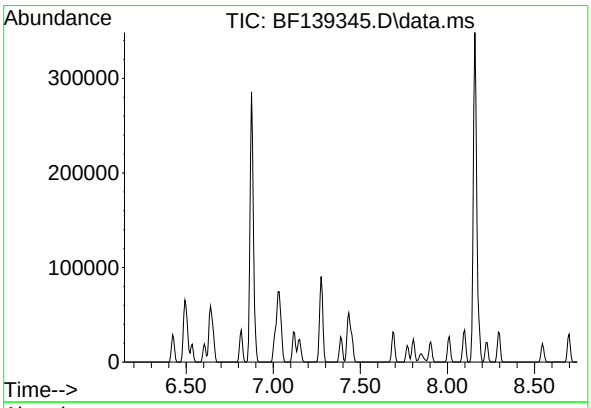

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion:136 Resp: 194429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 12.8 |
| 54 | 9.9 | 7.8 | 11.8 |
| 68 | 4.5 | 3.6 | 5.4 |



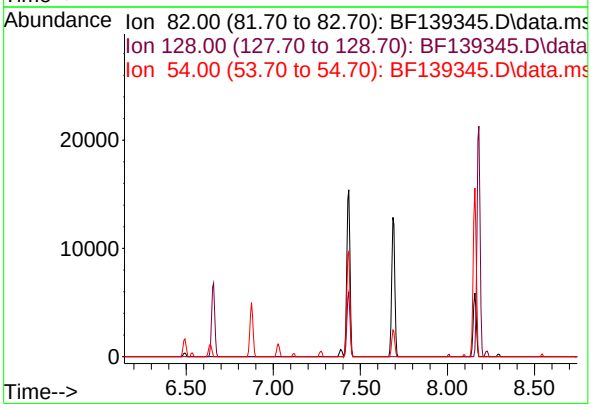



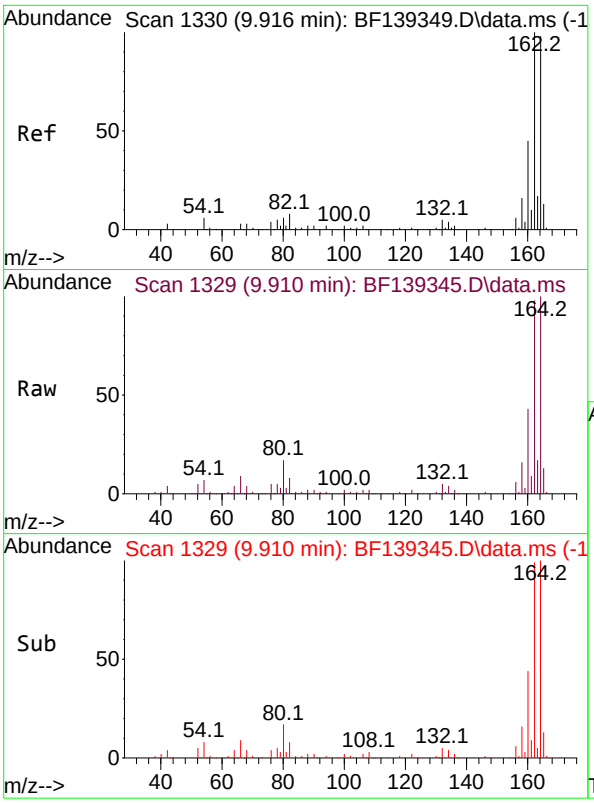

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 39.7 |
| 54 | 63.2 |



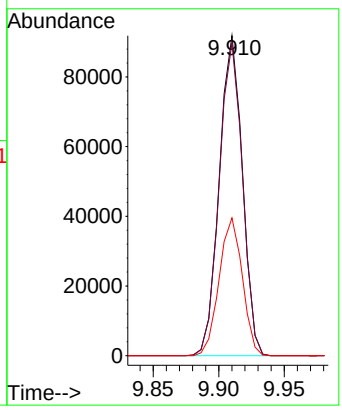


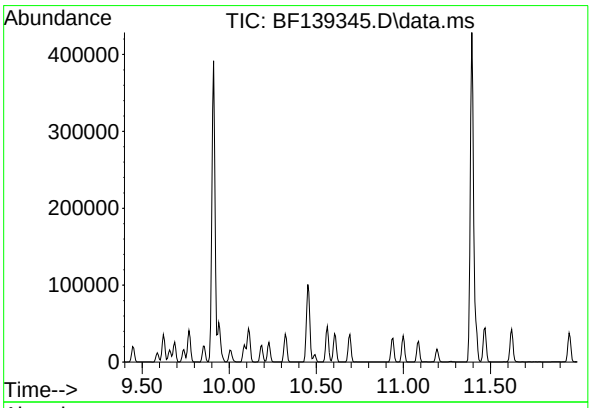

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion:164 Resp: 112483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.7 | 81.3 | 121.9 |
| 160 | 43.1 | 36.4 | 54.6 |



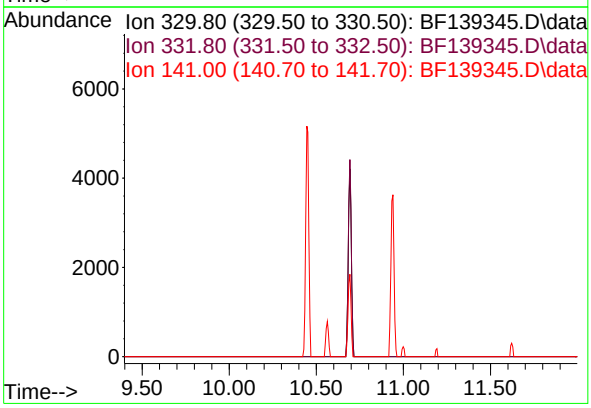



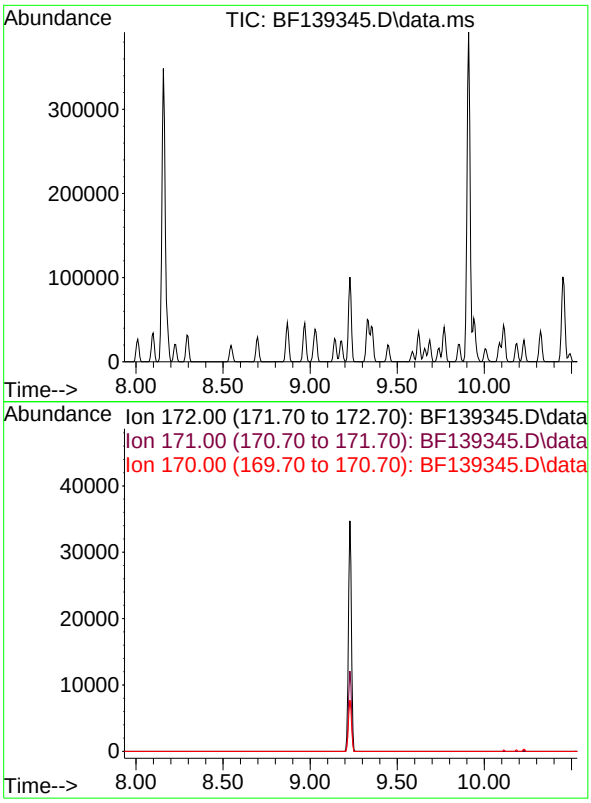

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 94.0 |
| 141 | 39.0 |





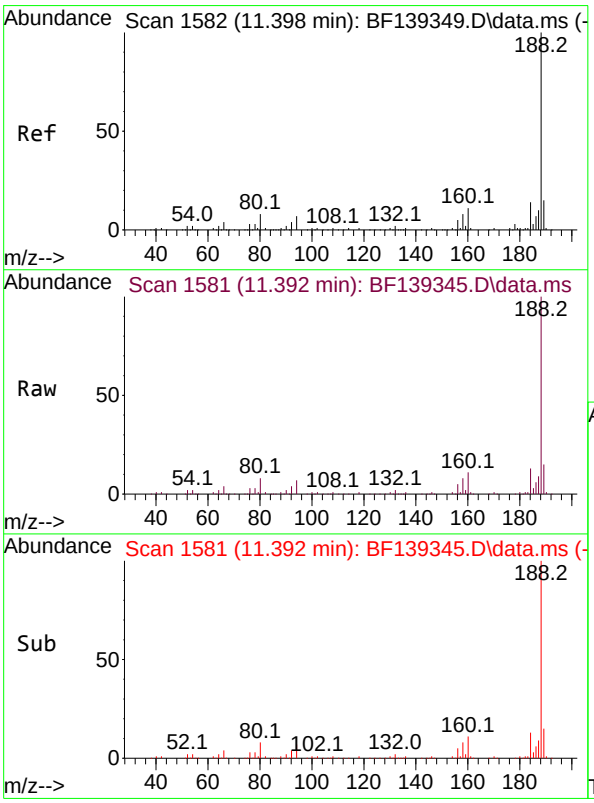

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.23 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion: 172

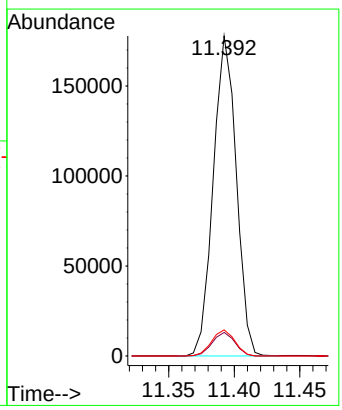
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.4 |
| 170 | 23.8 |

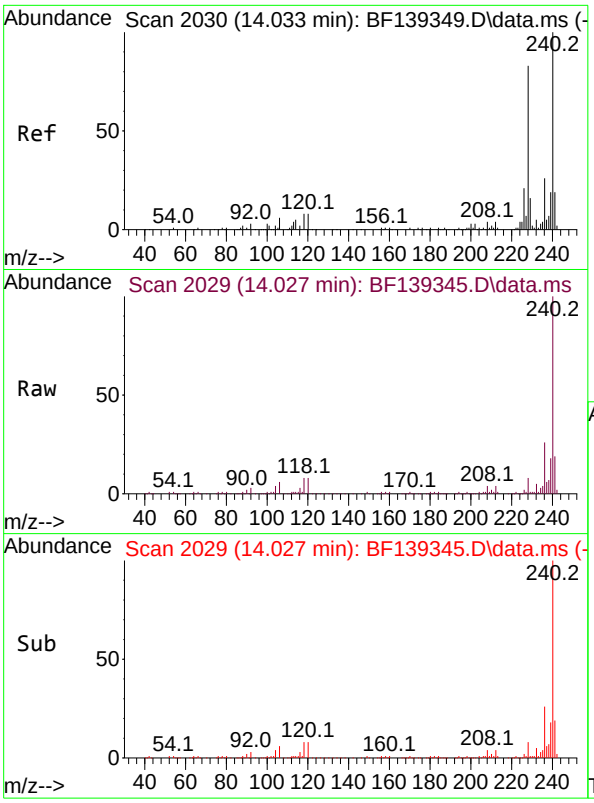



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion:188 Resp: 216754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 5.5 | 8.3 |
| 80 | 8.2 | 6.6 | 9.8 |



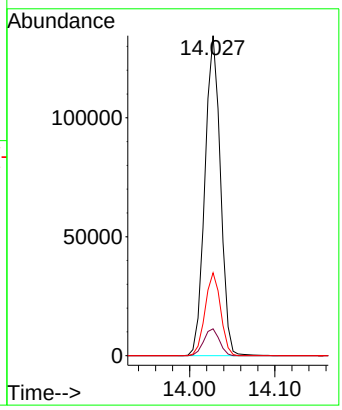


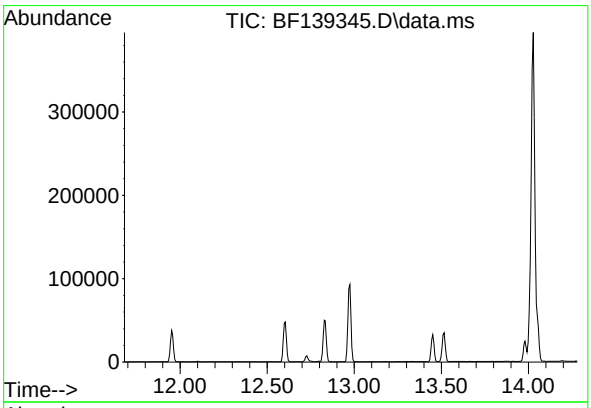

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion:240 Resp: 170430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.2 | 9.2 |
| 236 | 25.9 | 20.9 | 31.3 |



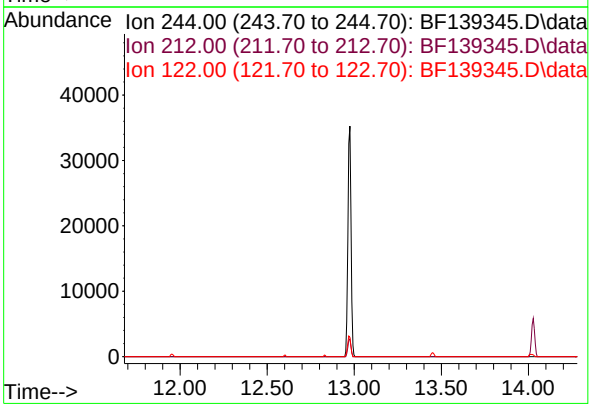



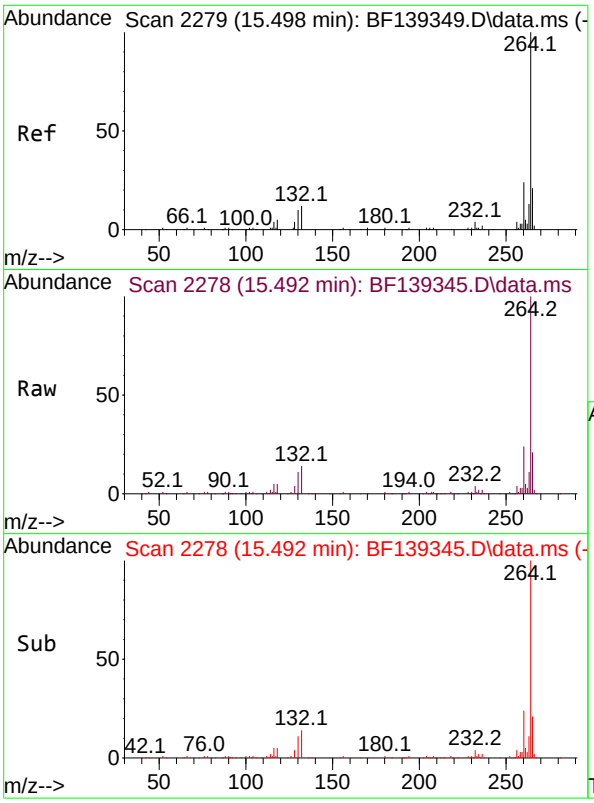

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.98 min

Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.5 |
| 122 | 9.5 |



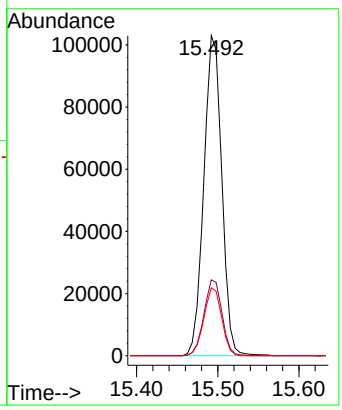



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139345.D
Acq: 13 Sep 2024 14:32

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

Tgt Ion:264 Resp: 158055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.5 | 29.3 |
| 265 | 21.2 | 16.6 | 25.0 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139346.D
Acq On : 13 Sep 2024 15:00
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 50863 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 190085 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 105494 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 203939 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 151467 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 123378 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 31915 | 10.497 | ng | | 0.00 |
| 7) Phenol-d6 | 6.493 | 99 | 41610 | 10.251 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 38883 | 10.642 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 11158 | 12.249 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 77537 | 11.346 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.975 | 244 | 83334 | 8.883 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 7035 | 4.969 | ng | | 96 |
| 3) Pyridine | 3.422 | 79 | 13785 | 4.033 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.352 | 42 | 11905 | 5.364 | ng | | 99 |
| 6) Aniline | 6.534 | 93 | 16052 | 4.301 | ng | | 98 |
| 8) 2-Chlorophenol | 6.657 | 128 | 16053 | 5.094 | ng | | 96 |
| 9) Benzaldehyde | 6.422 | 77 | 14231 | 5.792 | ng | | 100 |
| 10) Phenol | 6.504 | 94 | 21576 | 5.040 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 14911 | 4.861 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 19069 | 5.346 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.893 | 146 | 18785 | 5.262 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 18168 | 5.457 | ng | | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 16238 | 5.486 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 25855 | 4.428 | ng | | 98 |
| 17) 2-Methylphenol | 7.122 | 107 | 12705 | 4.936 | ng | | 99 |
| 18) Hexachloroethane | 7.387 | 117 | 7153 | 5.610 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 12083 | 5.169 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 17770 | 5.478 | ng | # | 82 |
| 22) Acetophenone | 7.281 | 105 | 24740 | 5.463 | ng | | 97 |
| 24) Nitrobenzene | 7.451 | 77 | 20611 | 5.315 | ng | | 96 |
| 25) Isophorone | 7.692 | 82 | 31252 | 5.003 | ng | | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 7259 | 4.766 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 10241 | 4.714 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 18745 | 5.036 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 13756 | 5.289 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 16468 | 5.544 | ng | | 98 |
| 31) Naphthalene | 8.181 | 128 | 49576 | 5.150 | ng | | 99 |
| 32) Benzoic acid | 7.857 | 122 | 7778 | 3.931 | ng | | 96 |
| 33) 4-Chloroaniline | 8.228 | 127 | 14598 | 4.380 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 10851 | 5.764 | ng | | 96 |
| 35) Caprolactam | 8.551 | 113 | 4150 | 5.154 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 14968 | 5.281 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 31958 | 5.306 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 31162 | 5.261 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 15812 | 5.298 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 5217 | 5.439 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 9966 | 5.103 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139346.D
Acq On : 13 Sep 2024 15:00
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

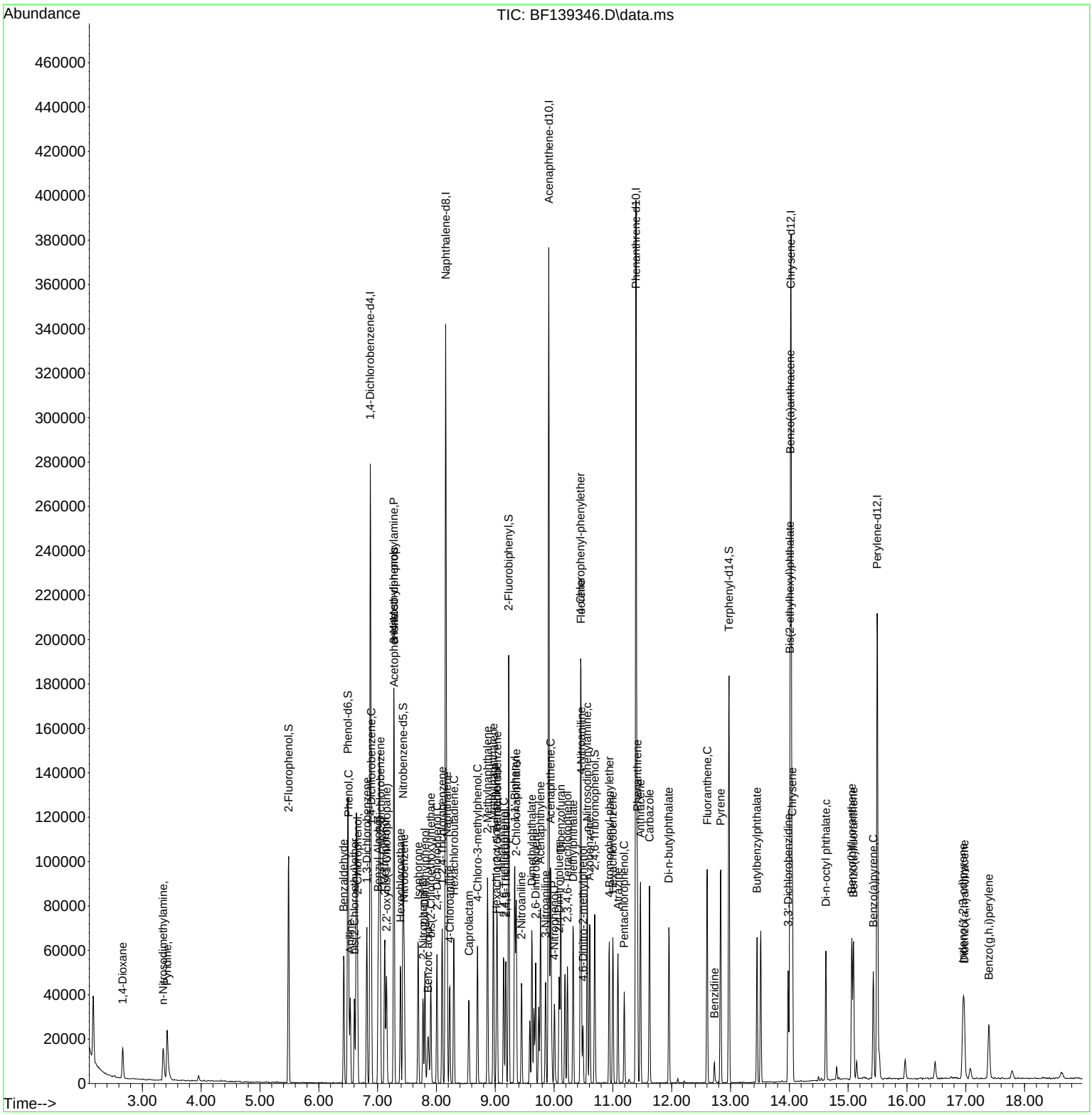
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 9970 | 4.872 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 42592 | 5.449 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 29802 | 5.050 | ng | | 98 |
| 48) 2-Nitroaniline | 9.445 | 65 | 10214 | 5.025 | ng | | 91 |
| 49) Acenaphthylene | 9.769 | 152 | 44722 | 5.031 | ng | | 99 |
| 50) Dimethylphthalate | 9.622 | 163 | 34763 | 5.437 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 6896 | 4.754 | ng | | 86 |
| 52) Acenaphthene | 9.939 | 154 | 31279 | 5.305 | ng | | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 7356 | 4.760 | ng | # | 98 |
| 55) Dibenzofuran | 10.116 | 168 | 44498 | 5.264 | ng | | 98 |
| 56) 4-Nitrophenol | 10.004 | 139 | 5945 | 5.212 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 9602 | 5.201 | ng | | 97 |
| 58) Fluorene | 10.457 | 166 | 36214 | 5.526 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232 | 8352 | 5.185 | ng | | 98 |
| 60) Diethylphthalate | 10.322 | 149 | 35843 | 5.696 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 17706 | 5.602 | ng | | 96 |
| 62) 4-Nitroaniline | 10.463 | 138 | 7998 | 5.437 | ng | | 98 |
| 63) Azobenzene | 10.604 | 77 | 35354 | 5.331 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 3819 | 4.053 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.563 | 169 | 29638 | 4.993 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 9712 | 4.908 | ng | | 93 |
| 68) Hexachlorobenzene | 10.998 | 284 | 11835 | 5.225 | ng | | 98 |
| 69) Atrazine | 11.086 | 200 | 8924 | 6.516 | ng | | 94 |
| 70) Pentachlorophenol | 11.192 | 266 | 6290 | 4.807 | ng | | 97 |
| 71) Phenanthrene | 11.416 | 178 | 50027 | 5.251 | ng | | 99 |
| 72) Anthracene | 11.469 | 178 | 48204 | 5.179 | ng | | 98 |
| 73) Carbazole | 11.622 | 167 | 47039 | 5.408 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 47689 | 5.354 | ng | | 99 |
| 75) Fluoranthene | 12.604 | 202 | 56089 | 5.872 | ng | | 99 |
| 77) Benzidine | 12.727 | 184 | 6607 | 2.166 | ng | | 96 |
| 78) Pyrene | 12.833 | 202 | 58177 | 3.976 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 19663 | 5.709 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.016 | 228 | 50501 | 5.221 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 14703 | 5.724 | ng | | 97 |
| 83) Chrysene | 14.051 | 228 | 47410 | 5.252 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 26039 | 6.441 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 36708 | 4.742 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.951 | 276 | 29213 | 3.790 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.063 | 252 | 39600 | 5.573 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 37654 | 5.910 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.427 | 252 | 30914 | 5.124 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.974 | 278 | 23740 | 3.738 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.392 | 276 | 24841 | 3.789 | ng | | 98 |

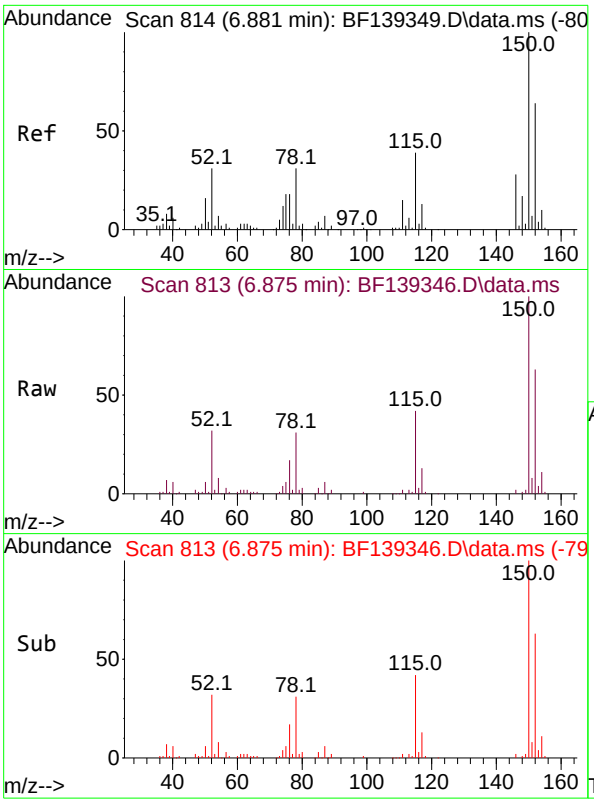
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139346.D
Acq On : 13 Sep 2024 15:00
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration



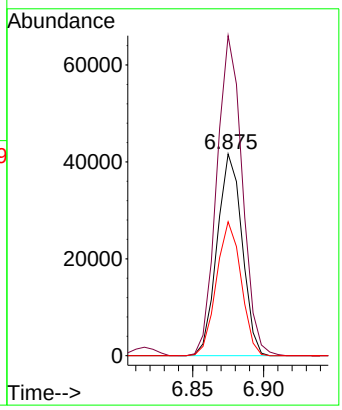


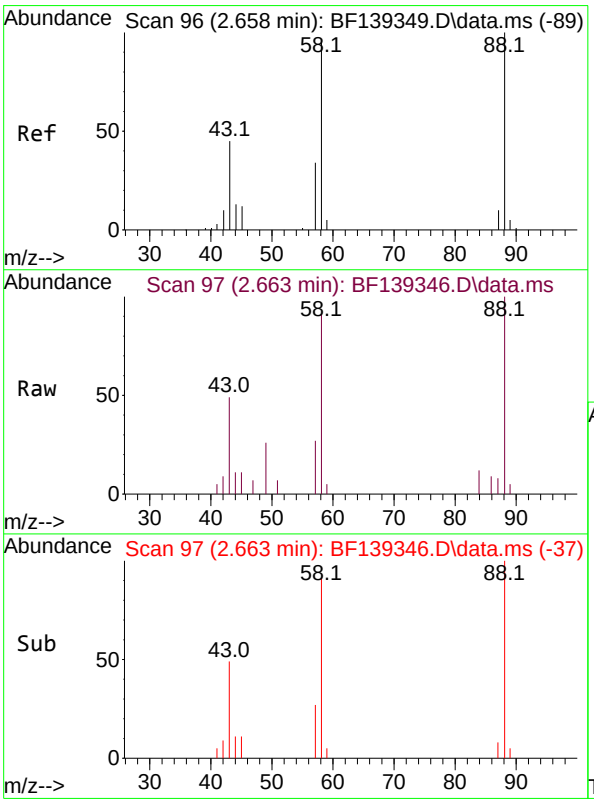

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:152 Resp: 50863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.6 | 124.1 | 186.1 |
| 115 | 66.4 | 48.1 | 72.1 |

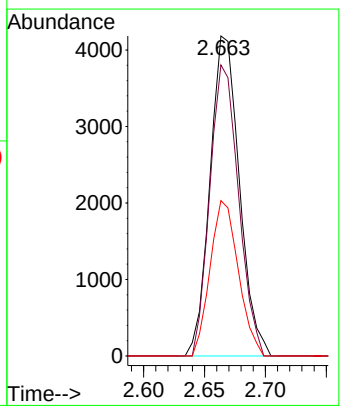


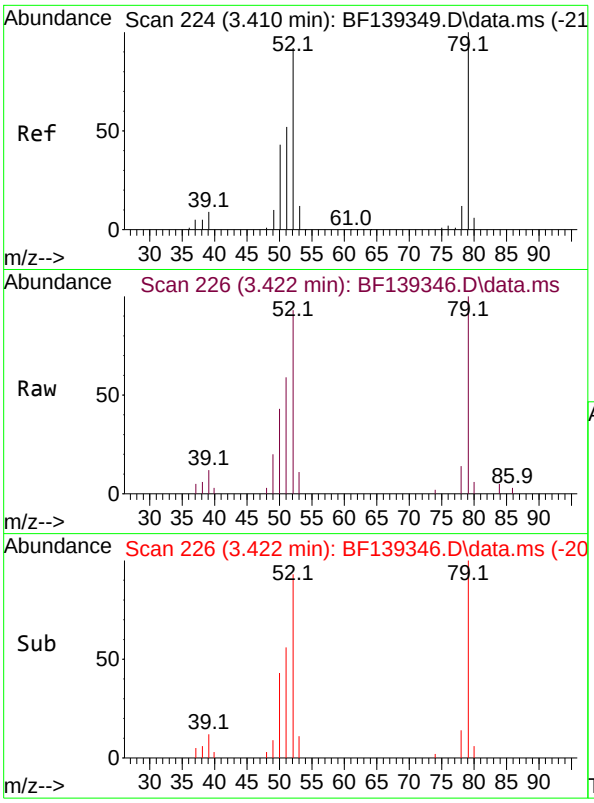




#2
1,4-Dioxane
Concen: 4.969 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 88 Resp: 7035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.5 | 74.8 | 112.2 |
| 43 | 46.7 | 36.4 | 54.6 |



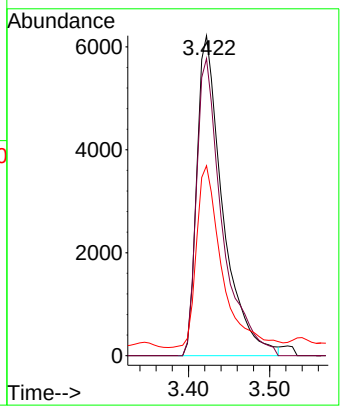


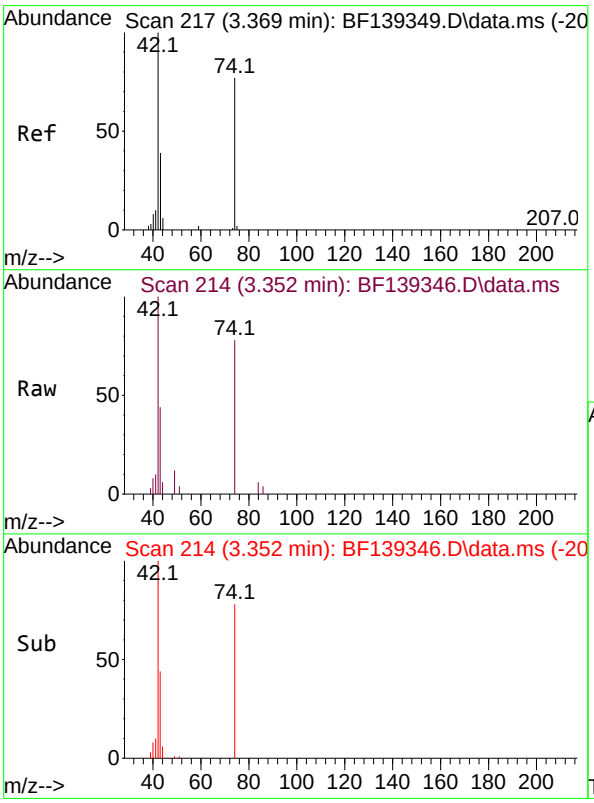

#3
Pyridine
Concen: 4.033 ng
RT: 3.422 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 79 Resp: 13785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.8 | 73.8 | 110.8 |
| 51 | 59.4 | 41.8 | 62.6 |

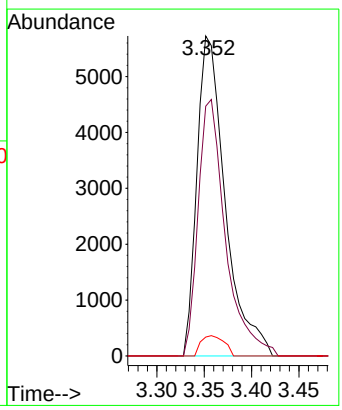


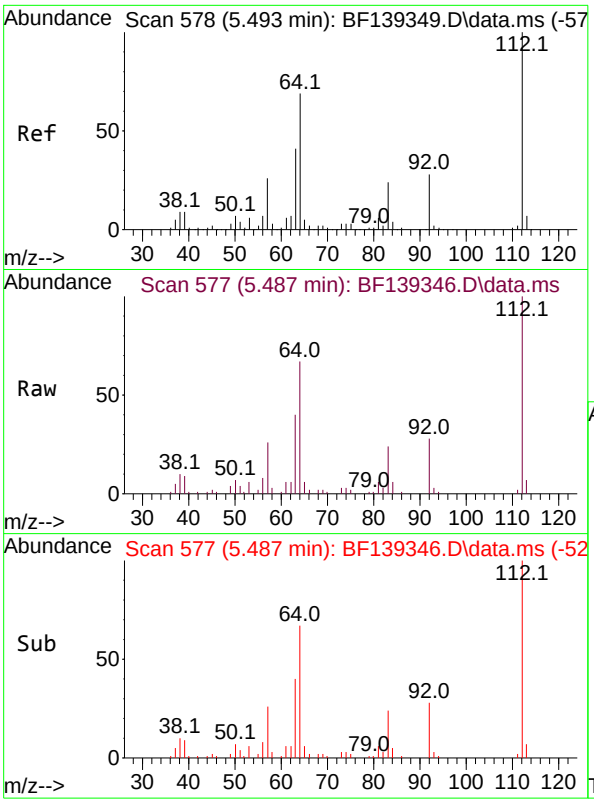




#4
n-Nitrosodimethylamine
Concen: 5.364 ng
RT: 3.352 min Scan# 214
Delta R.T. -0.018 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 42 Resp: 11905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 78.1 | 61.8 | 92.8 |
| 44 | 5.9 | 4.8 | 7.2 |



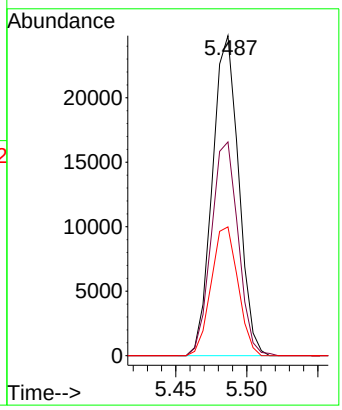


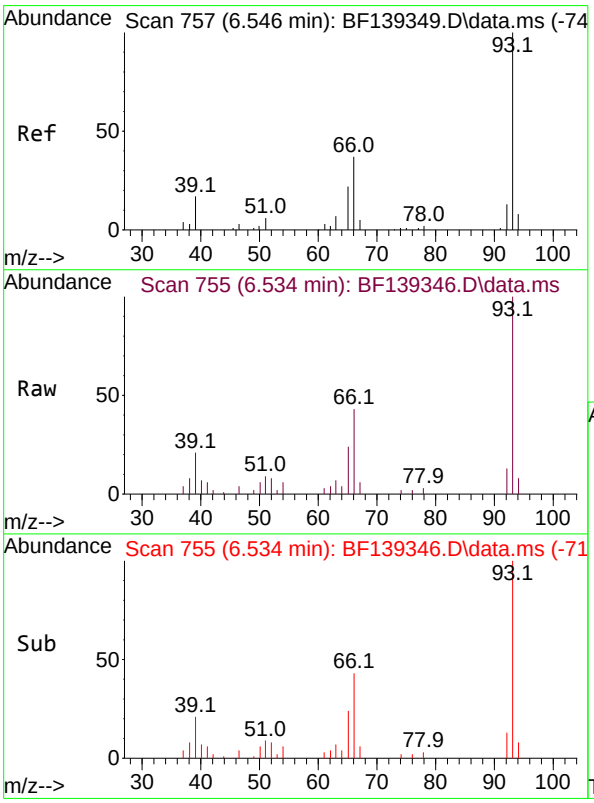

#5
2-Fluorophenol
Concen: 10.497 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:112 Resp: 31915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.8 | 54.8 | 82.2 |
| 63 | 40.2 | 33.0 | 49.4 |

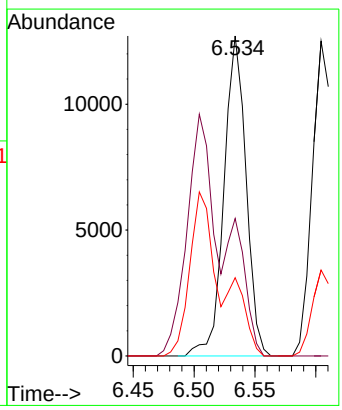


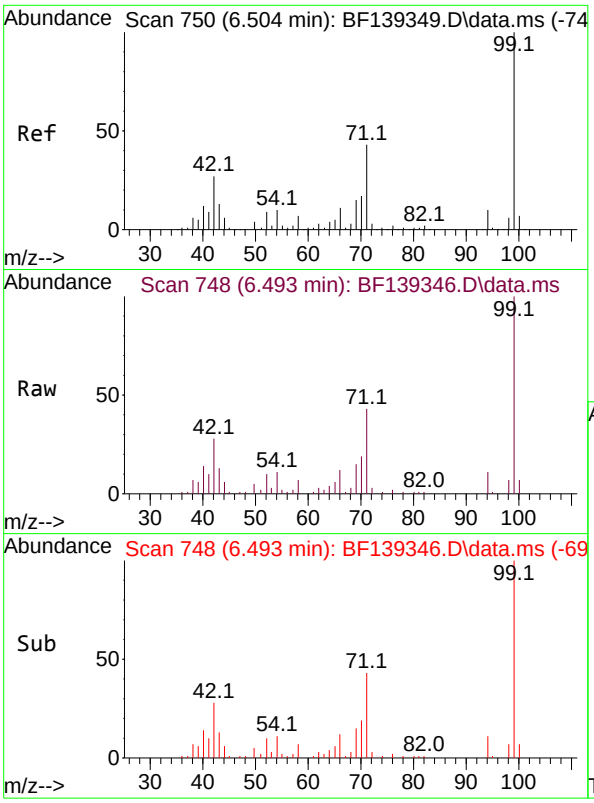




#6
Aniline
Concen: 4.301 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.035 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 93 Resp: 16052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 43.0 | 35.4 | 53.0 |
| 65 | 24.4 | 18.2 | 27.4 |



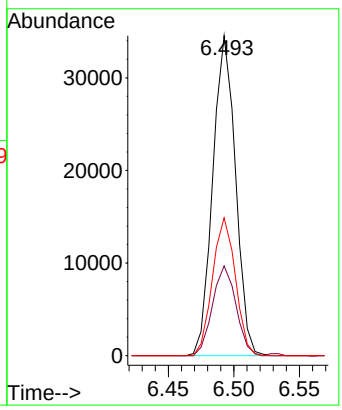


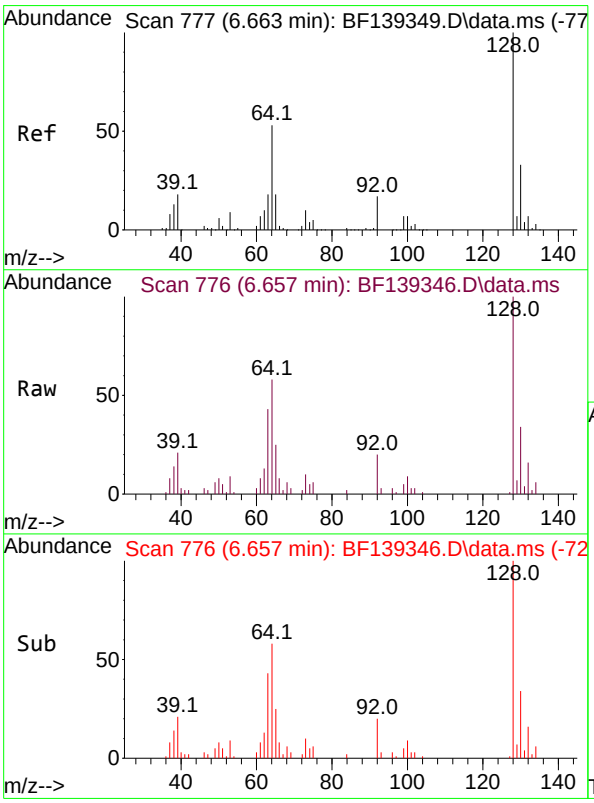

#7
Phenol-d6
Concen: 10.251 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 99 Resp: 41610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 28.1 | 21.9 | 32.9 |
| 71 | 43.1 | 34.6 | 52.0 |

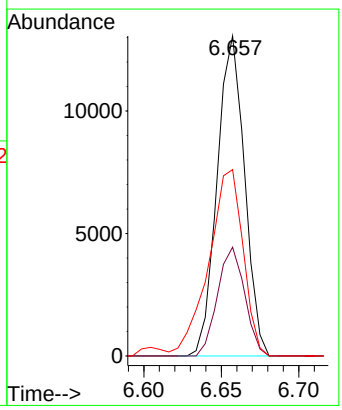


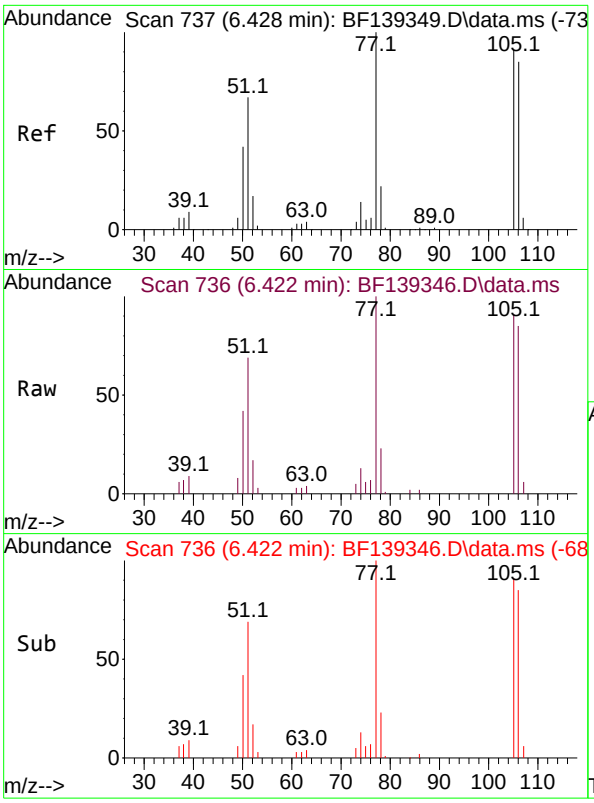




#8
2-Chlorophenol
Concen: 5.094 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:128 Resp: 16053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 34.0 | 12.8 | 52.8 |
| 64 | 58.2 | 35.1 | 75.1 |



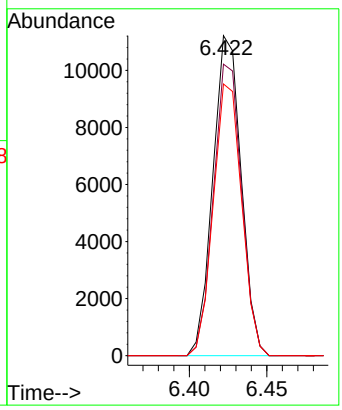


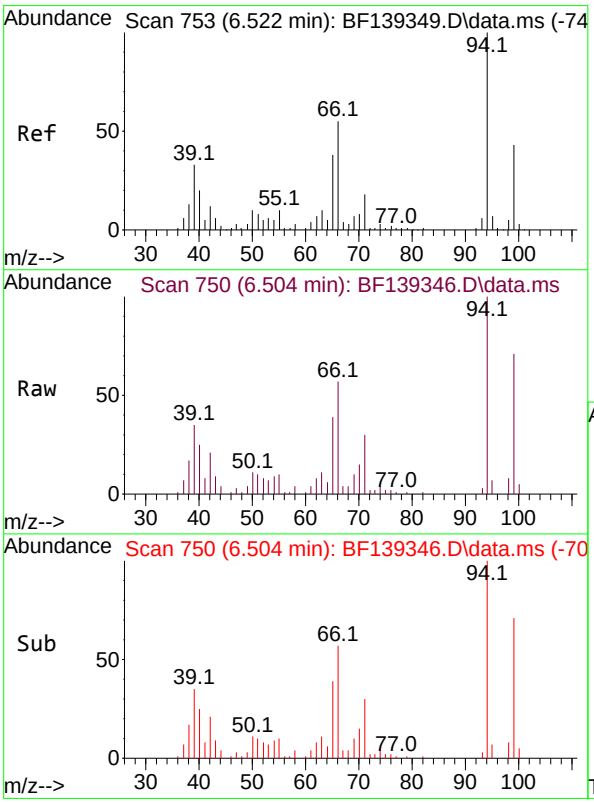

#9
Benzaldehyde
Concen: 5.792 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 77 Resp: 14231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.1 | 71.0 | 111.0 |
| 106 | 84.9 | 64.9 | 104.9 |

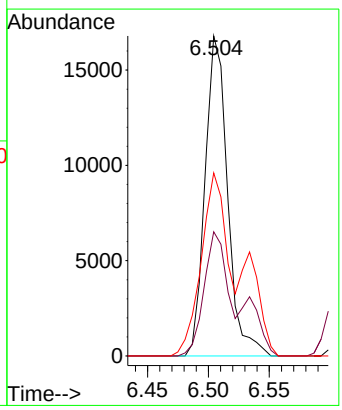


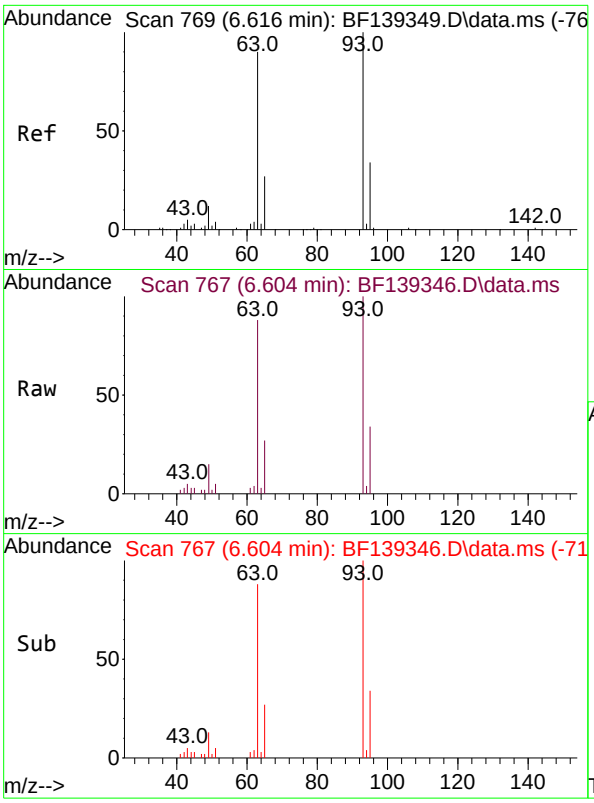




#10
Phenol
Concen: 5.040 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 94 Resp: 21576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.8 | 17.6 | 57.6 |
| 66 | 57.2 | 35.2 | 75.2 |



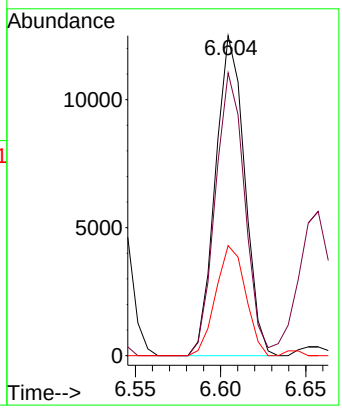


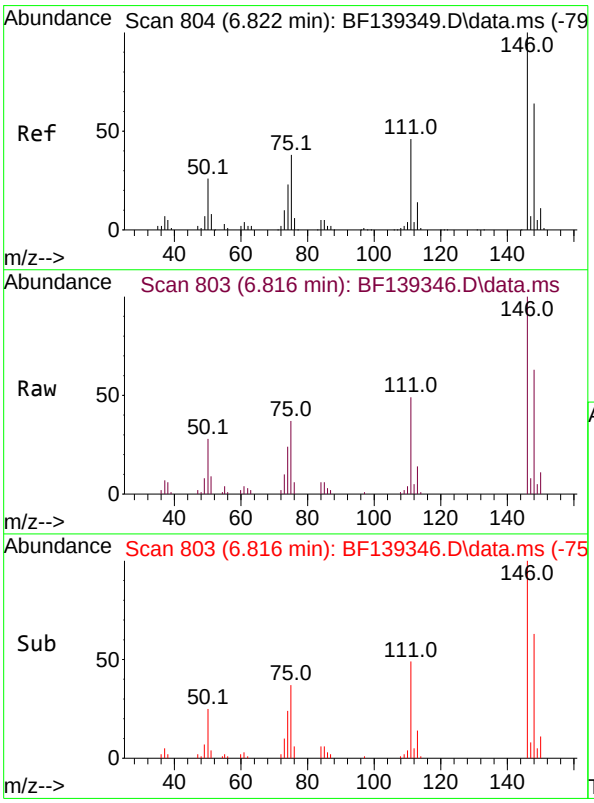

#11
bis(2-Chloroethyl)ether
Concen: 4.861 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 93 Resp: 14911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 88.4 | 65.3 | 105.3 |
| 95 | 34.4 | 12.4 | 52.4 |

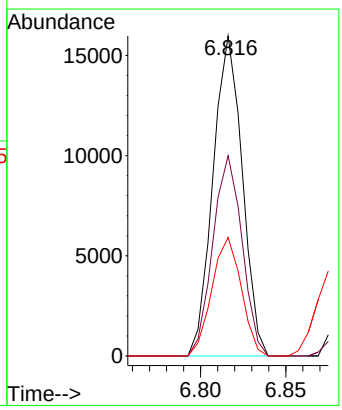


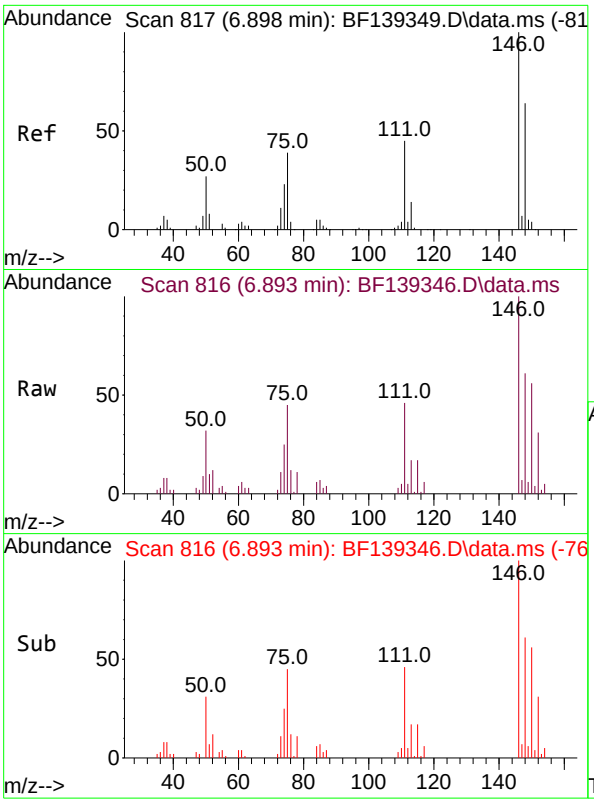




#12
1,3-Dichlorobenzene
Concen: 5.346 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:146 Resp: 19069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 51.2 | 76.8 |
| 75 | 37.0 | 30.6 | 46.0 |



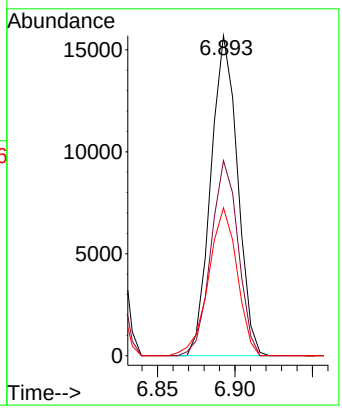


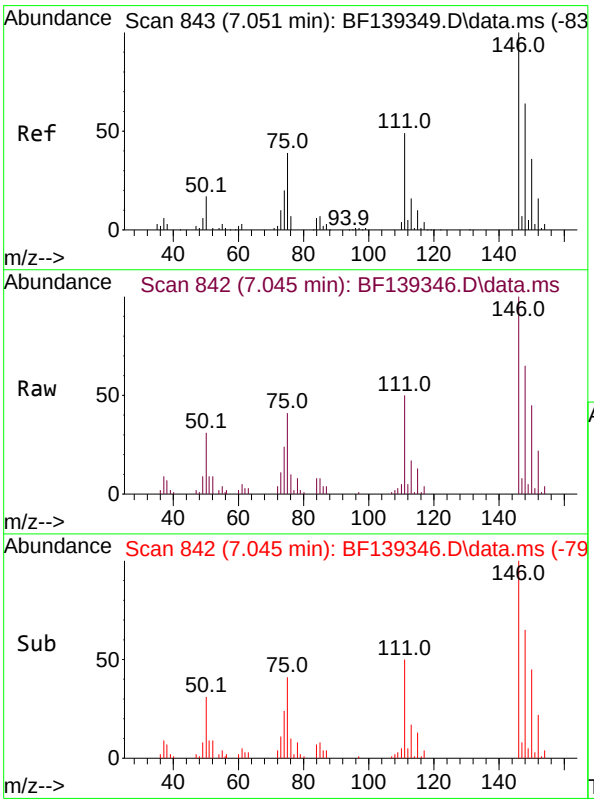

#13
1,4-Dichlorobenzene
Concen: 5.262 ng
RT: 6.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:146 Resp: 18785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.0 | 50.9 | 76.3 |
| 111 | 46.2 | 36.3 | 54.5 |

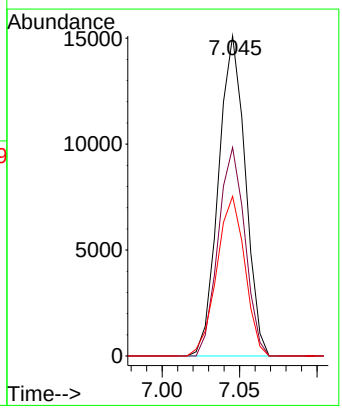


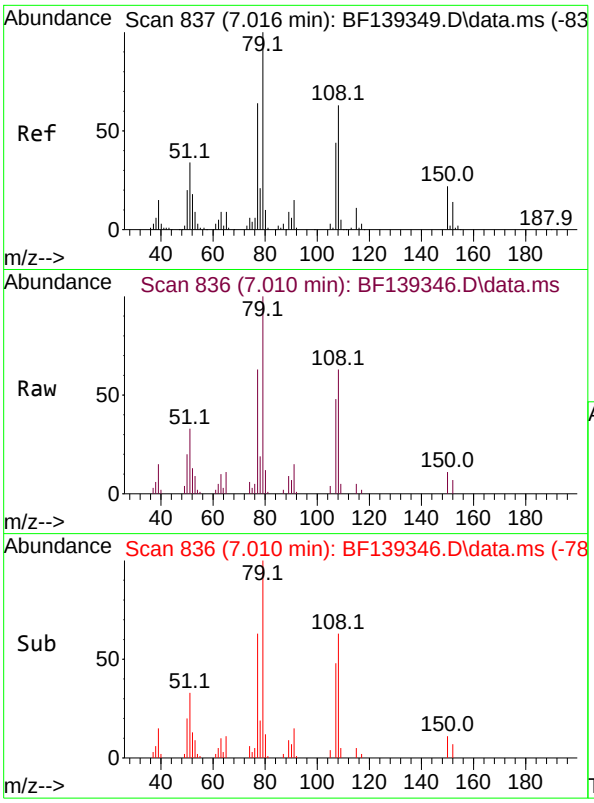




#14
1,2-Dichlorobenzene
Concen: 5.457 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:146 Resp: 18168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 50.9 | 76.3 |
| 111 | 49.9 | 38.9 | 58.3 |



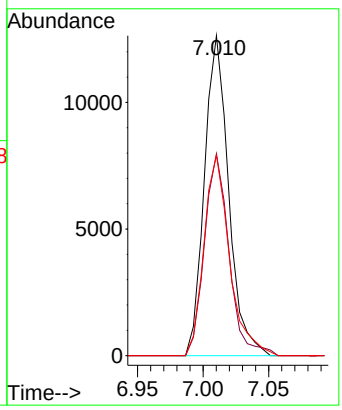


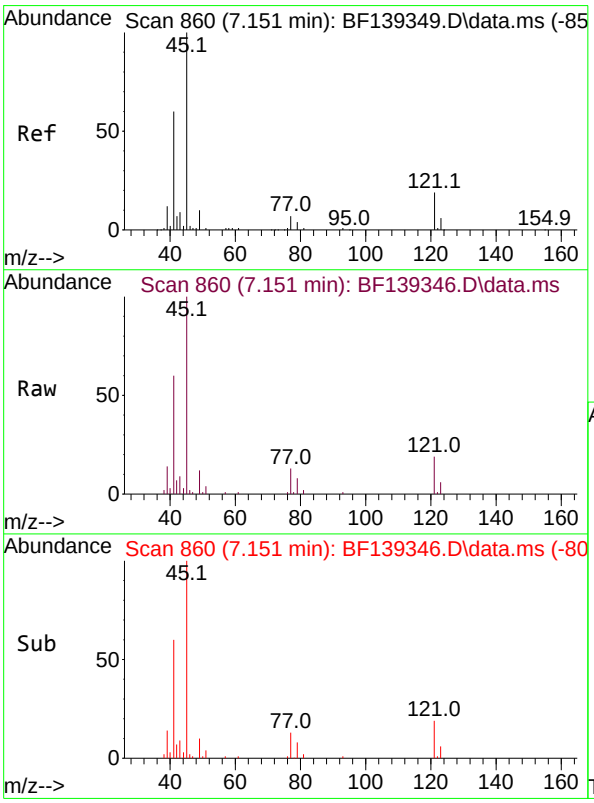

#15
Benzyl Alcohol
Concen: 5.486 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 79 Resp: 16238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 63.1 | 50.4 | 75.6 |
| 77 | 62.7 | 51.4 | 77.2 |

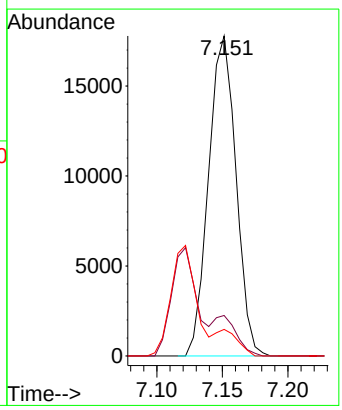


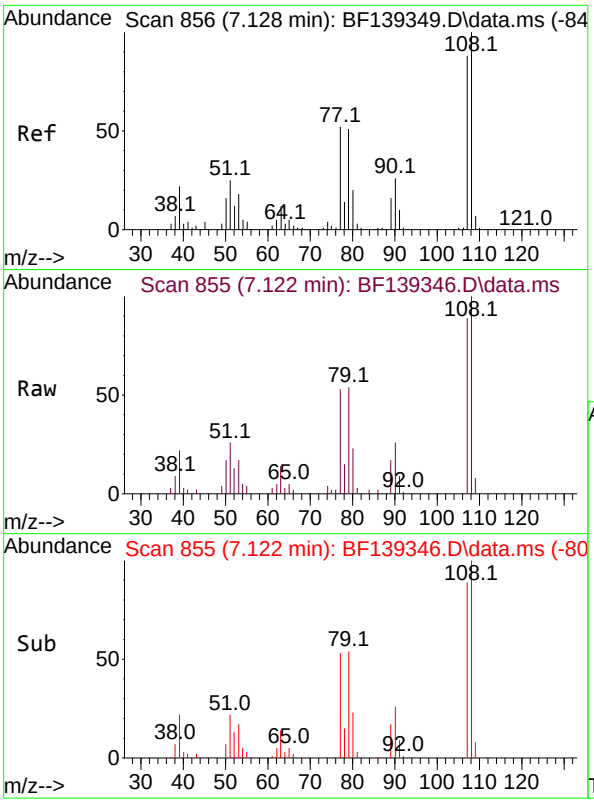




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.428 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 45 Resp: 25855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.7 | 0.0 | 32.0 |
| 79 | 8.3 | 0.0 | 29.1 |



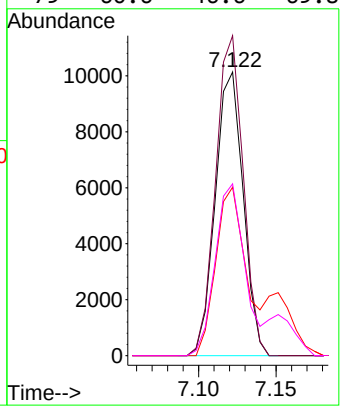


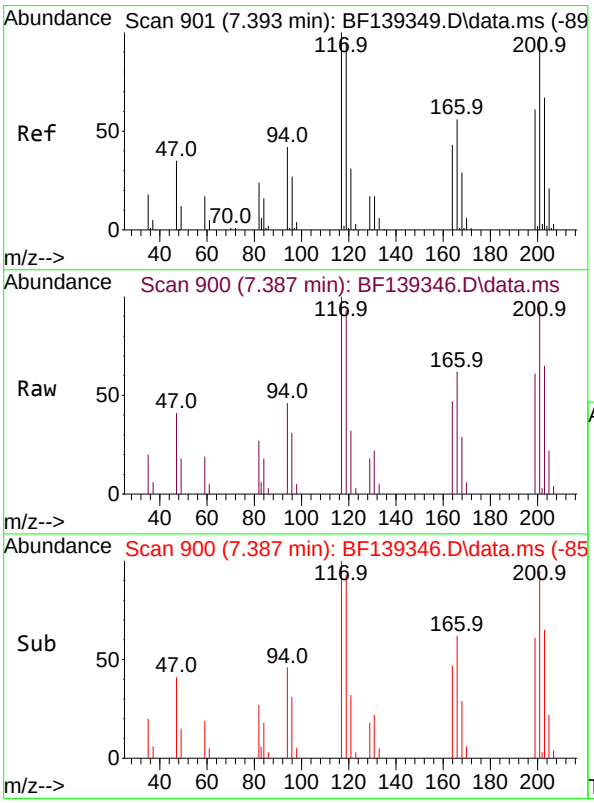

#17
2-Methylphenol
Concen: 4.936 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:107 Resp: 12705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.8 | 90.5 | 135.7 |
| 77 | 59.4 | 47.1 | 70.7 |
| 79 | 60.6 | 46.6 | 69.8 |

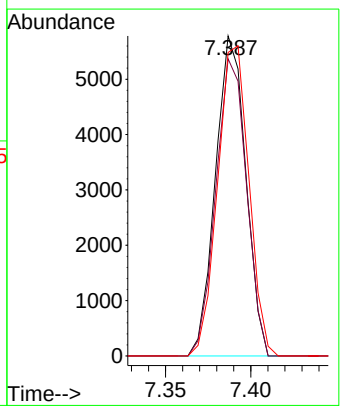


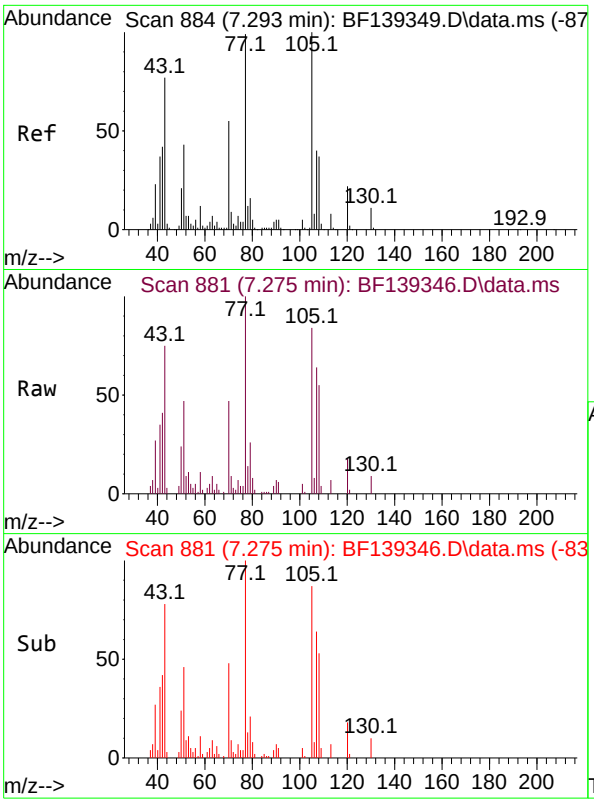




#18
Hexachloroethane
Concen: 5.610 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:117 Resp: 7153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.9 | 75.8 | 113.8 |
| 201 | 94.8 | 78.6 | 118.0 |



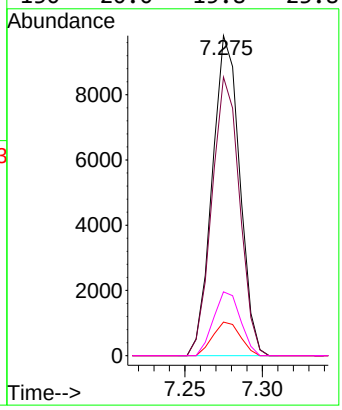


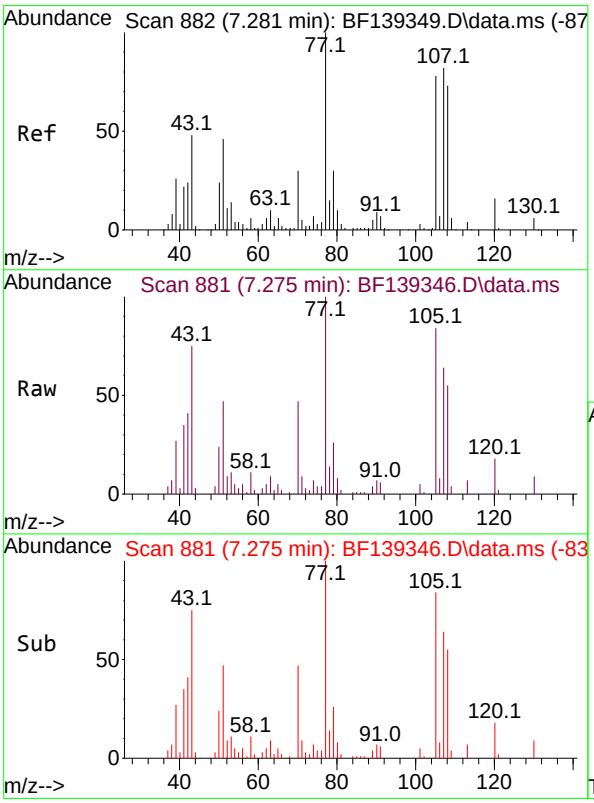

#19
n-Nitroso-di-n-propylamine
Concen: 5.169 ng
RT: 7.275 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 70 Resp: 12083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 87.1 | 61.2 | 91.8 |
| 101 | 10.5 | 7.5 | 11.3 |
| 130 | 20.0 | 15.8 | 23.8 |

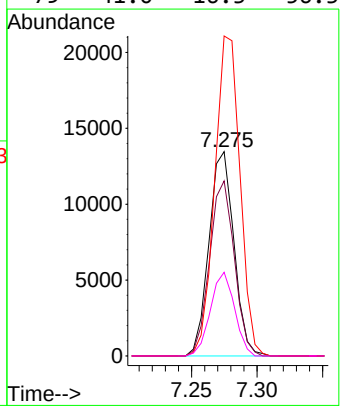


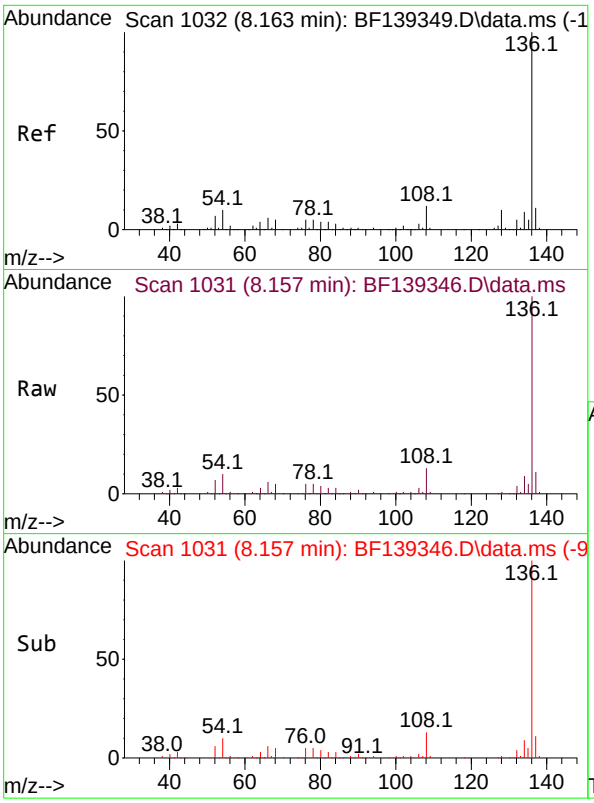




#20
3+4-Methylphenols
Concen: 5.478 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:107 Resp: 17770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.7 | 68.6 | 108.6 |
| 77 | 156.6 | 101.6 | 141.6# |
| 79 | 41.0 | 16.3 | 56.3 |



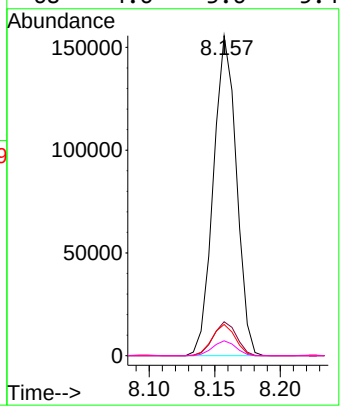


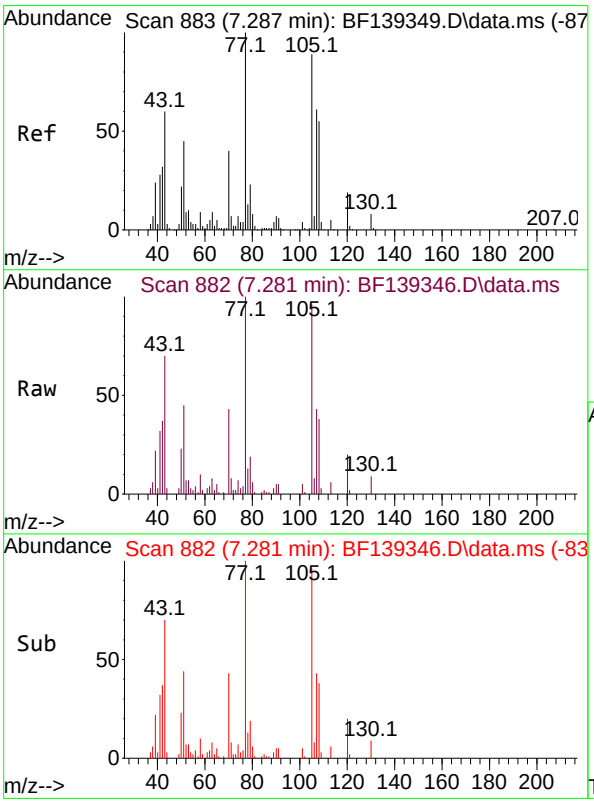

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:136 Resp: 190085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 12.8 |
| 54 | 9.7 | 7.8 | 11.8 |
| 68 | 4.6 | 3.6 | 5.4 |

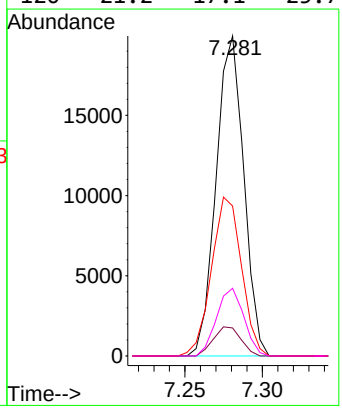


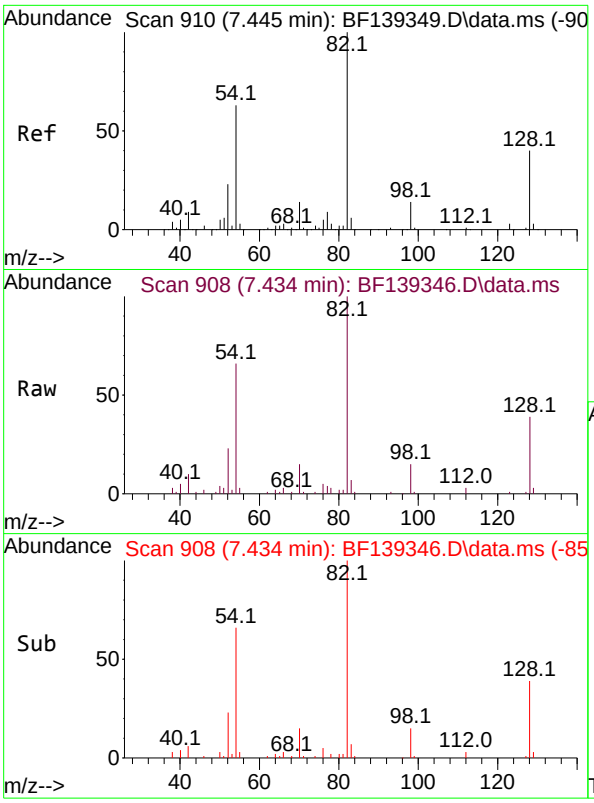




#22
Acetophenone
Concen: 5.463 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:105 Resp: 24740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.7 | 5.9 | 8.9 |
| 51 | 46.9 | 40.0 | 60.0 |
| 120 | 21.2 | 17.1 | 25.7 |



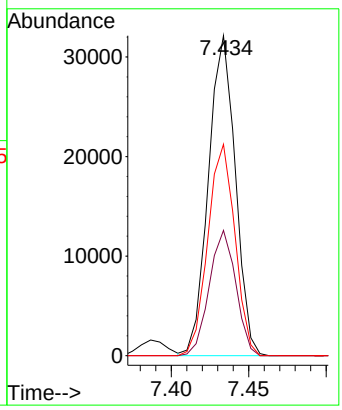


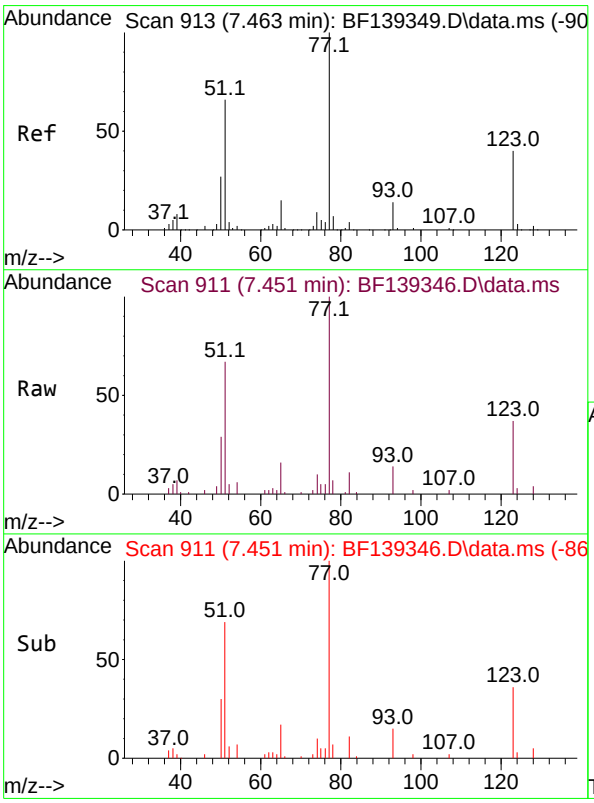

#23
Nitrobenzene-d5
Concen: 10.642 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 82 Resp: 38883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 31.8 | 47.6 |
| 54 | 66.1 | 50.6 | 75.8 |

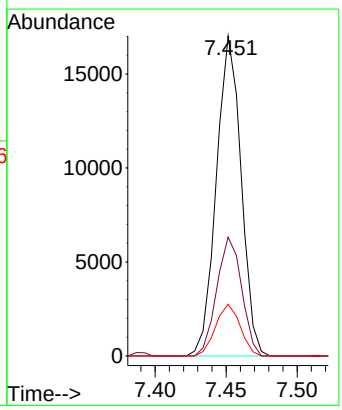


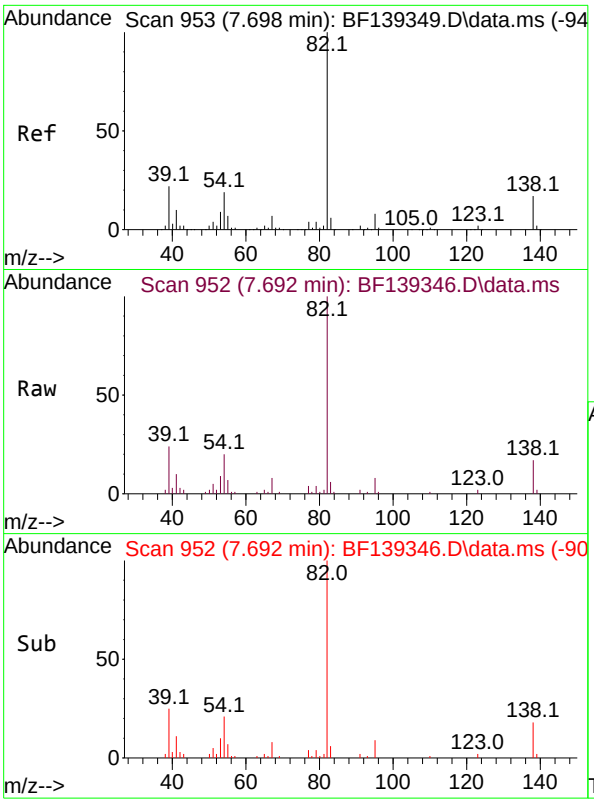




#24
Nitrobenzene
Concen: 5.315 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 77 Resp: 20611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 37.1 | 32.2 | 48.4 |
| 65 | 16.2 | 12.2 | 18.4 |



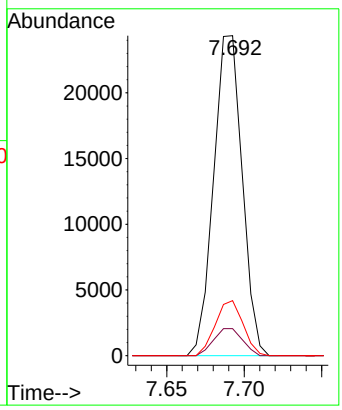


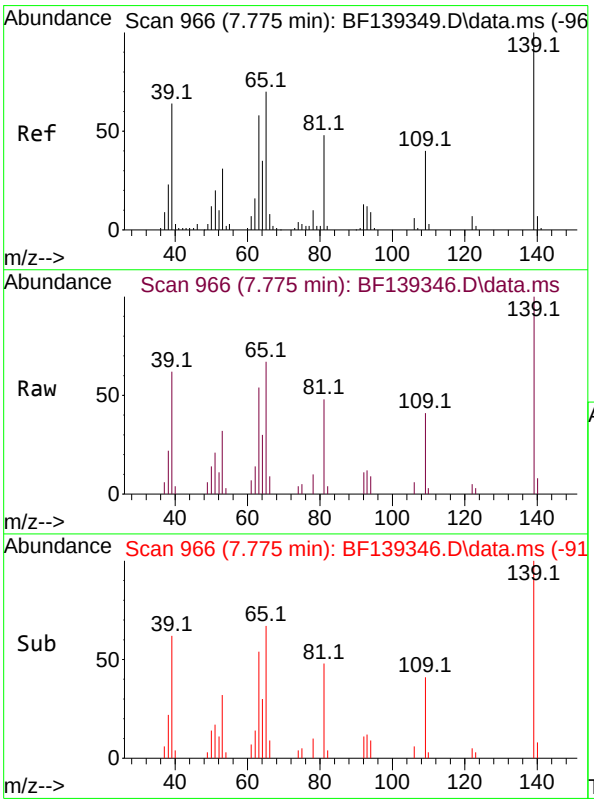

#25
Isophorone
Concen: 5.003 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion: 82 Resp: 31252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.7 | 10.1 |
| 138 | 17.2 | 13.3 | 19.9 |

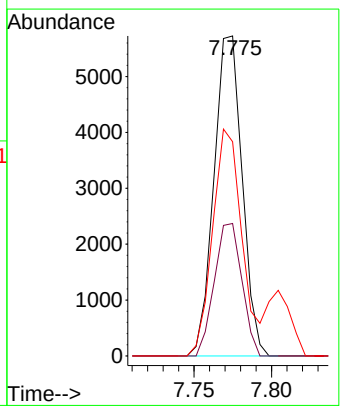


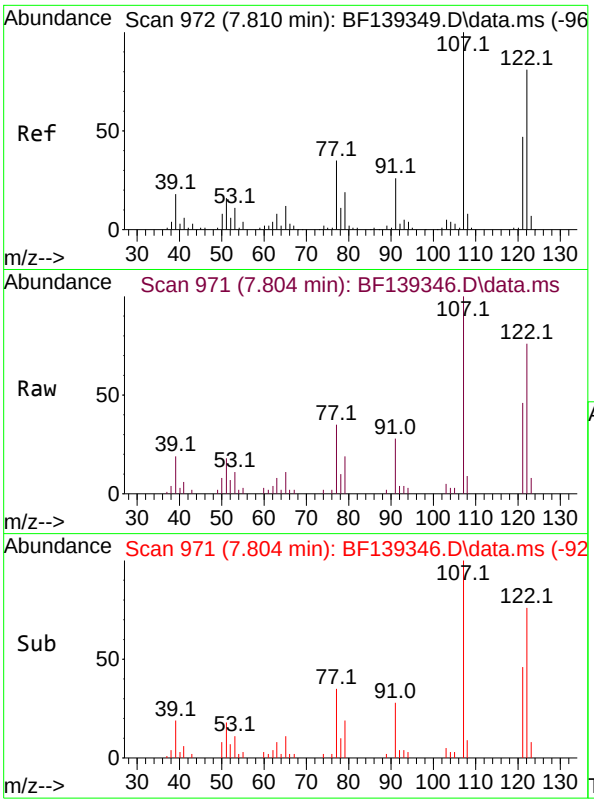




#26
2-Nitrophenol
Concen: 4.766 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:139 Resp: 7259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 41.4 | 32.2 | 48.2 |
| 65 | 67.0 | 55.8 | 83.8 |



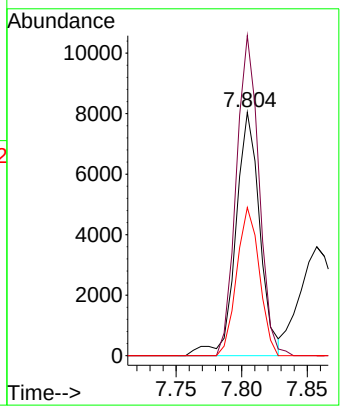


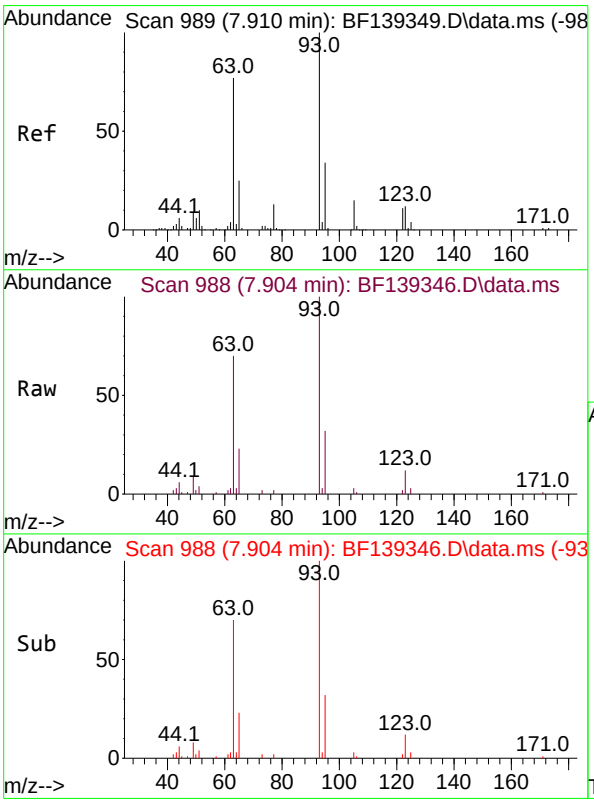

#27
2,4-Dimethylphenol
Concen: 4.714 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:122 Resp: 10241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 131.5 | 99.1 | 148.7 |
| 121 | 60.9 | 46.6 | 70.0 |

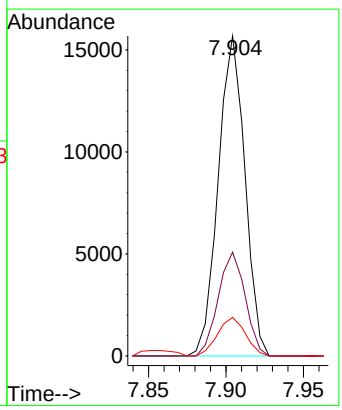


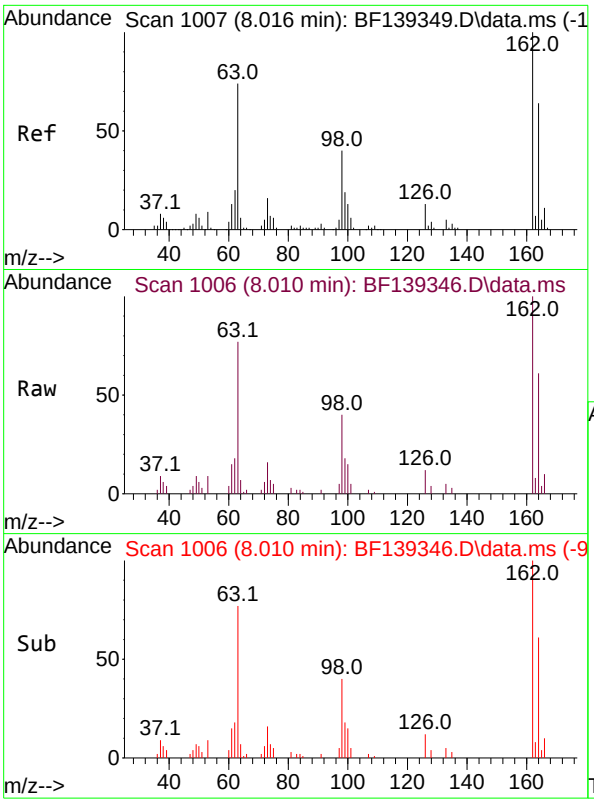




#28
bis(2-Chloroethoxy)methane
Concen: 5.036 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 93 Resp: 18745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.9 | 40.3 |
| 123 | 12.1 | 10.0 | 15.0 |



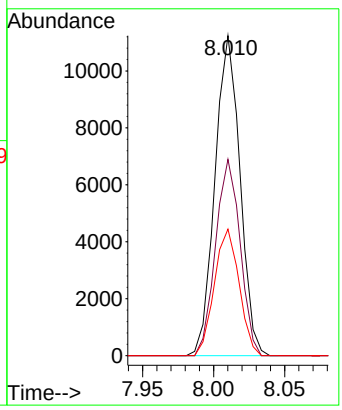


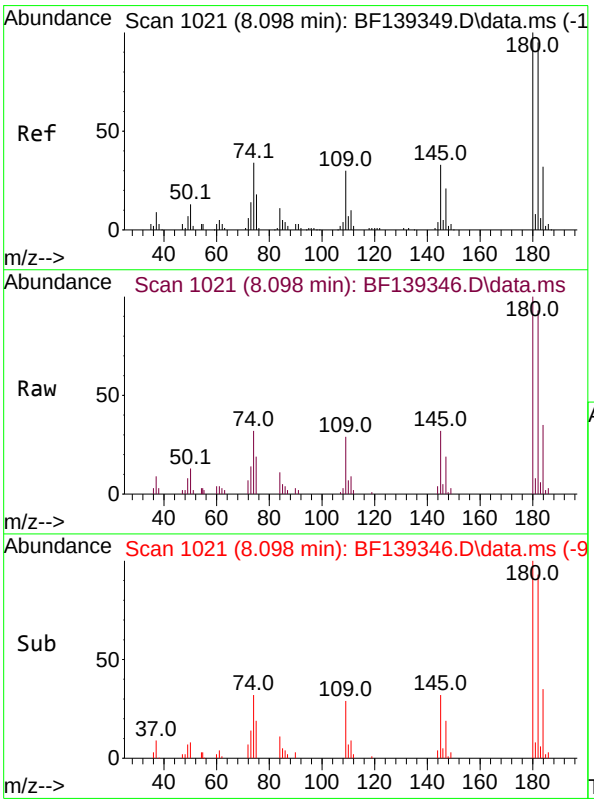

#29
2,4-Dichlorophenol
Concen: 5.289 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:162 Resp: 13756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.3 | 43.6 | 83.6 |
| 98 | 39.6 | 19.7 | 59.7 |

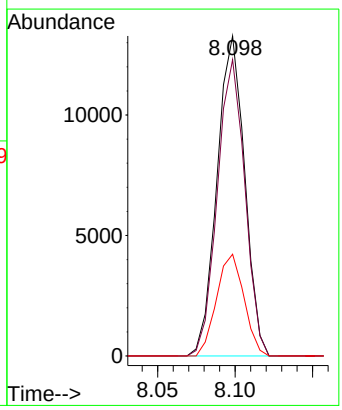


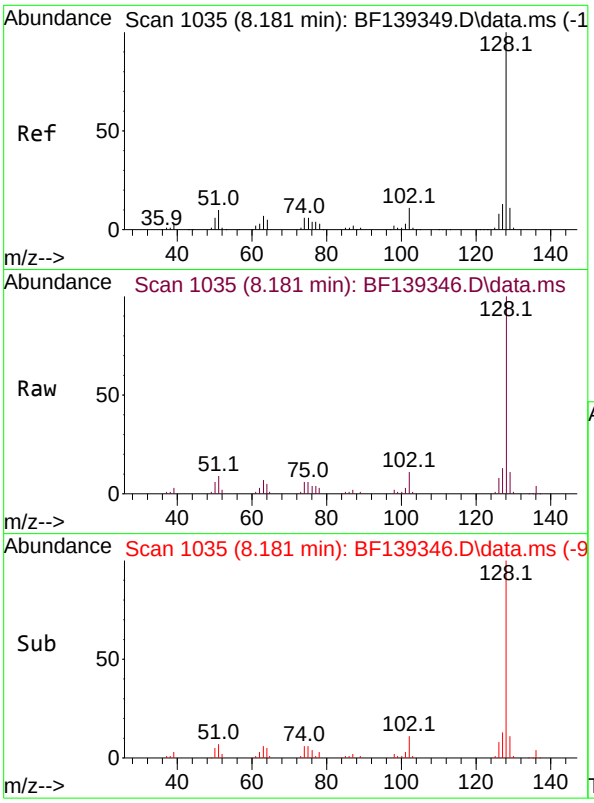




#30
1,2,4-Trichlorobenzene
Concen: 5.544 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:180 Resp: 16468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 75.7 | 113.5 |
| 145 | 31.8 | 26.5 | 39.7 |



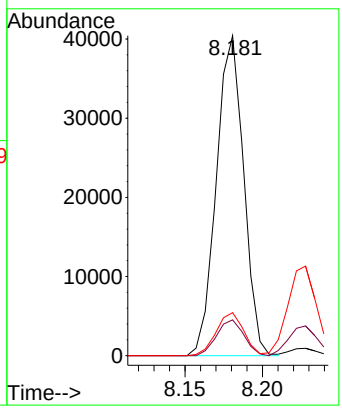


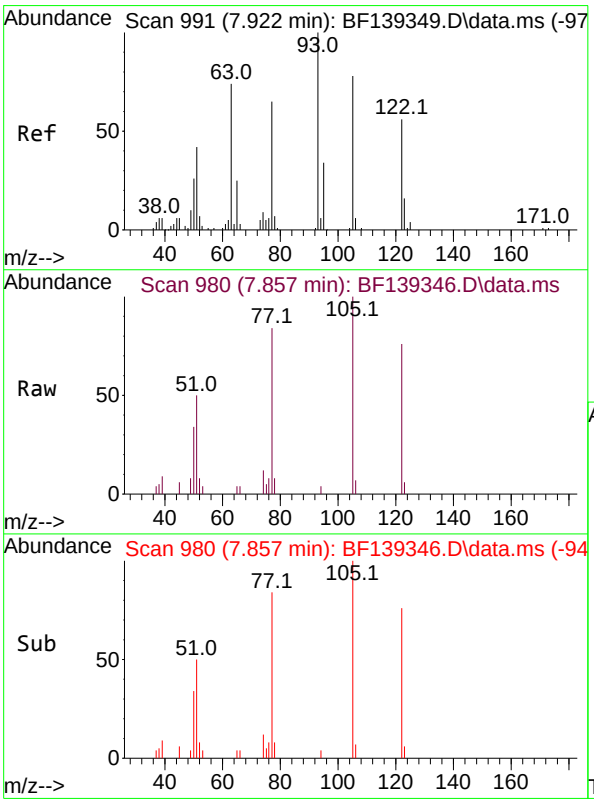

#31
Naphthalene
Concen: 5.150 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:128 Resp: 49576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.6 | 13.0 |
| 127 | 13.4 | 10.6 | 16.0 |

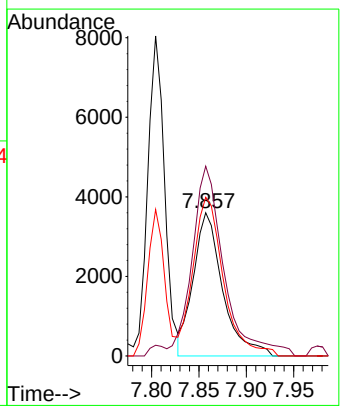


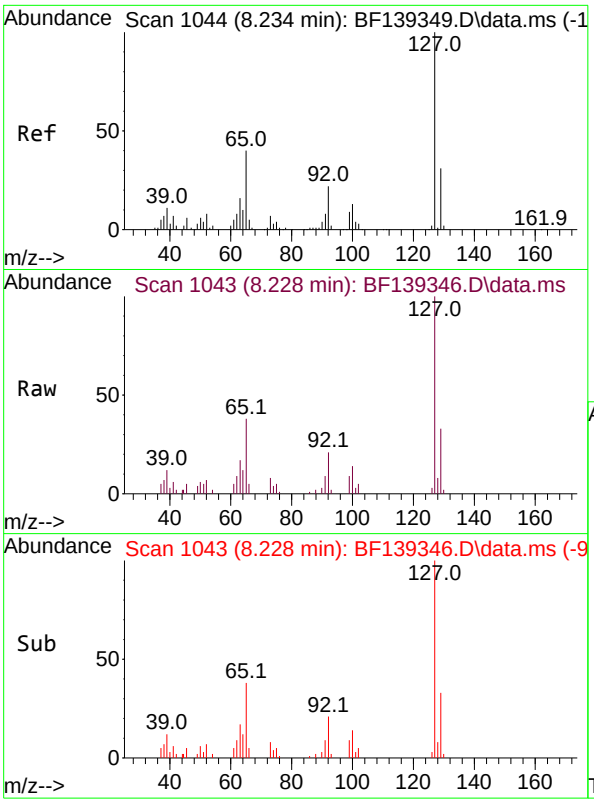




#32
Benzoic acid
Concen: 3.931 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.065 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:122 Resp: 7778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 132.4 | 117.1 | 157.1 |
| 77 | 110.8 | 95.4 | 135.4 |



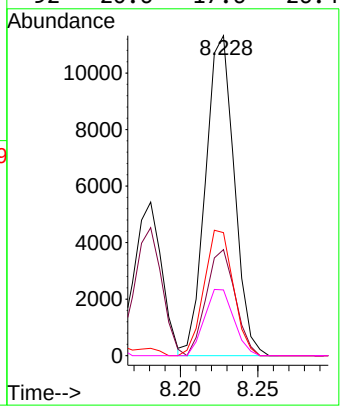


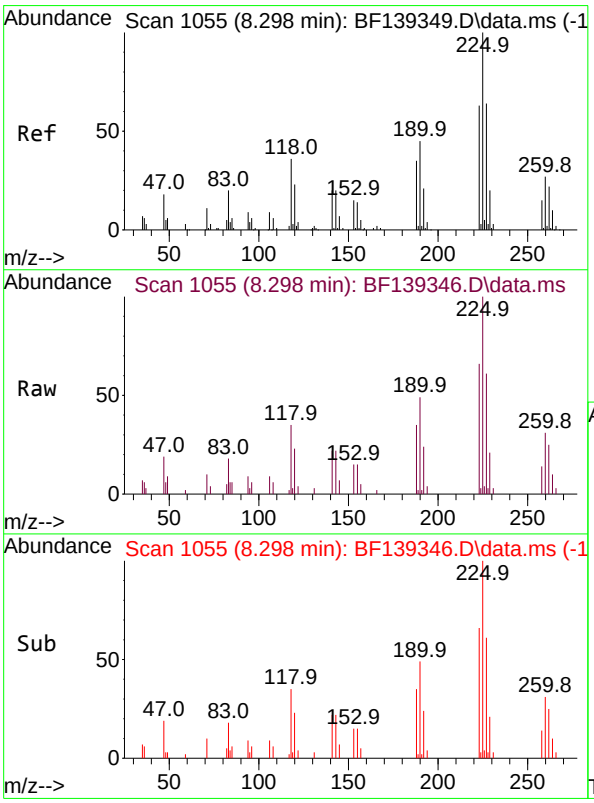

#33
4-Chloroaniline
Concen: 4.380 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:127 Resp: 14598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.2 | 25.5 | 38.3 |
| 65 | 38.5 | 31.5 | 47.3 |
| 92 | 20.6 | 17.6 | 26.4 |

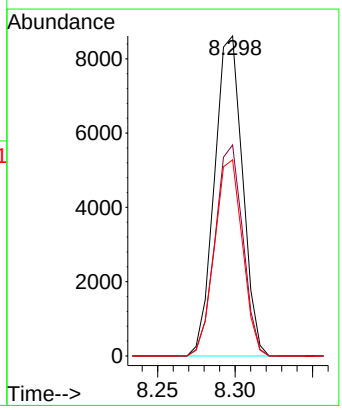


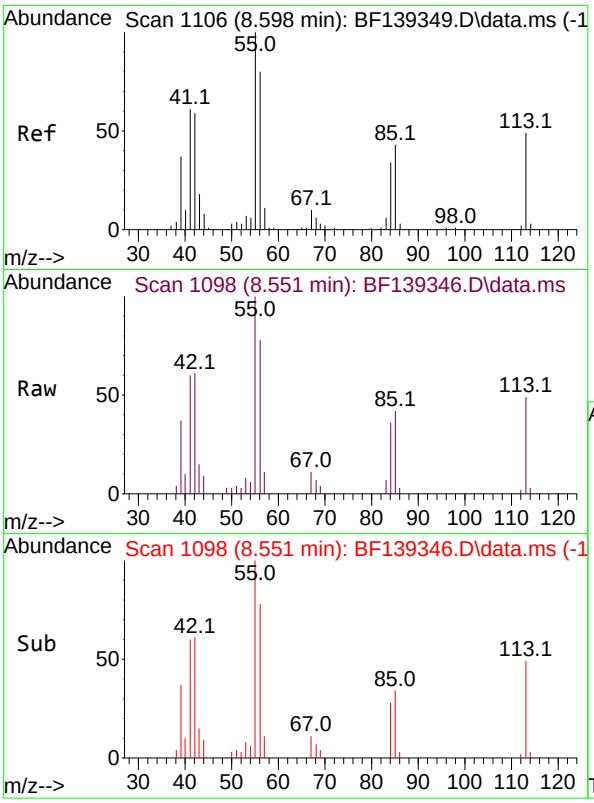




#34
Hexachlorobutadiene
Concen: 5.764 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:225 Resp: 10851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.0 | 50.1 | 75.1 |
| 227 | 61.3 | 51.0 | 76.6 |



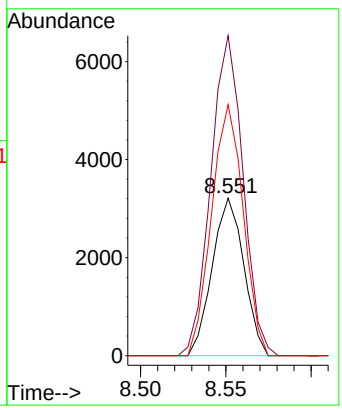


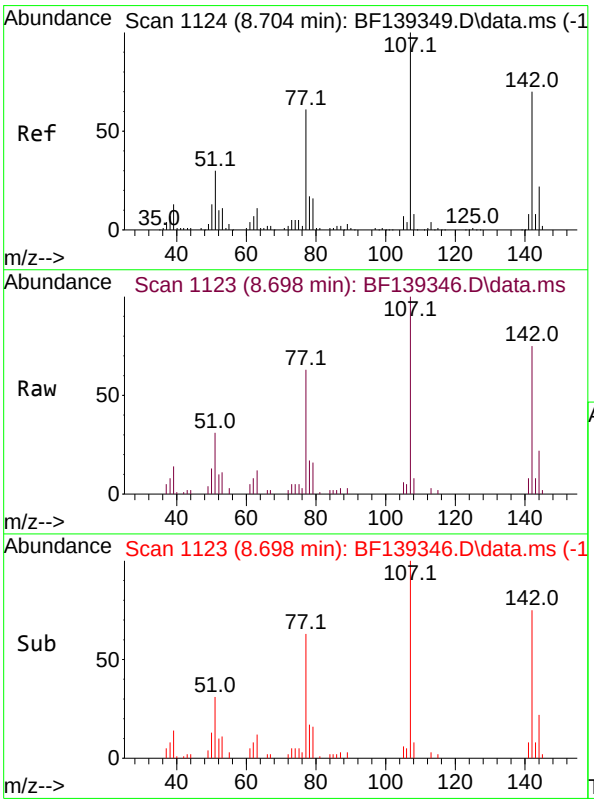

#35
Caprolactam
Concen: 5.154 ng
RT: 8.551 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:113 Resp: 4150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 203.3 | 186.1 | 226.1 |
| 56 | 159.4 | 144.9 | 184.9 |

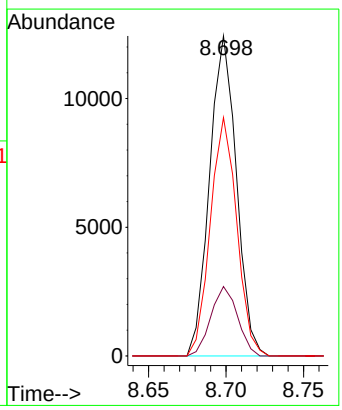


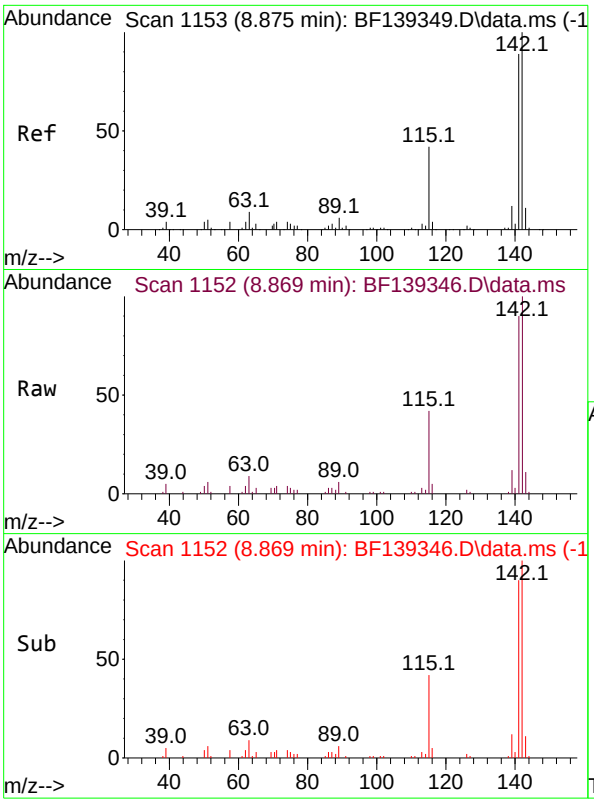




#36
4-Chloro-3-methylphenol
Concen: 5.281 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:107 Resp: 14968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 21.7 | 17.5 | 26.3 |
| 142 | 74.5 | 55.8 | 83.8 |



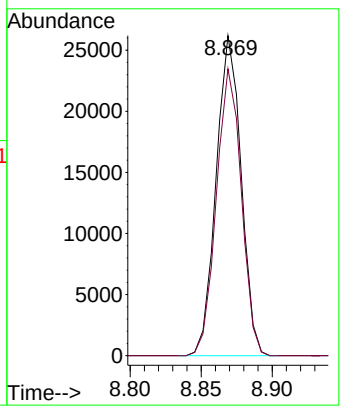


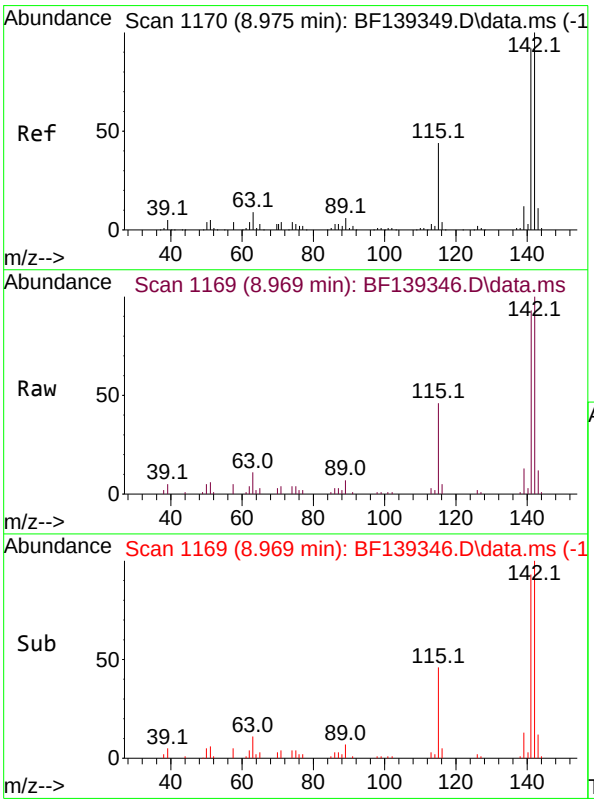

#37
2-Methylnaphthalene
Concen: 5.306 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:142 Resp: 31958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.6 | 107.4 |

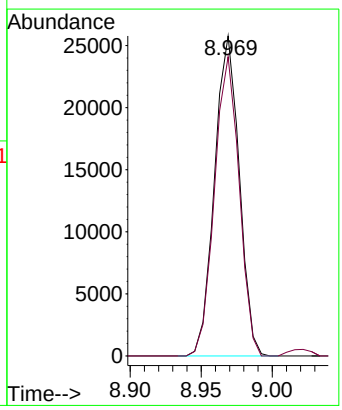


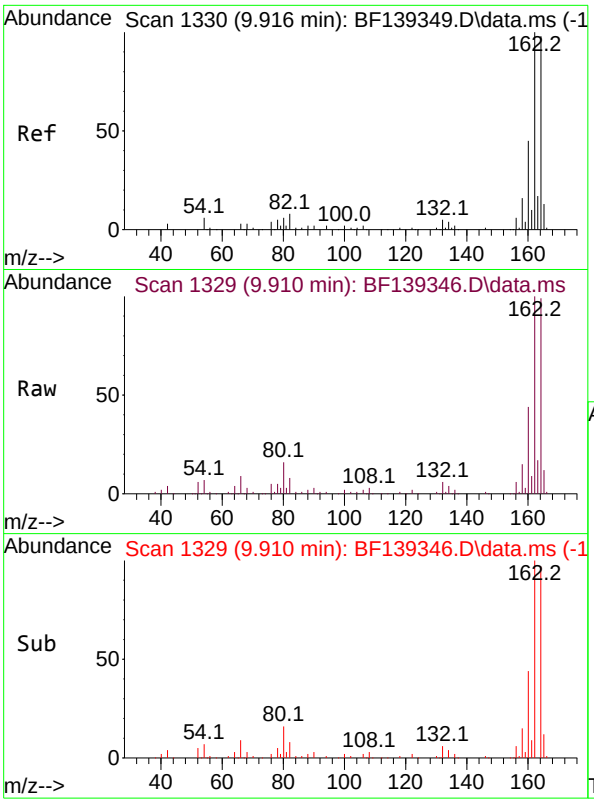




#38
1-Methylnaphthalene
Concen: 5.261 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:142 Resp: 31162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.5 | 73.2 | 109.8 |



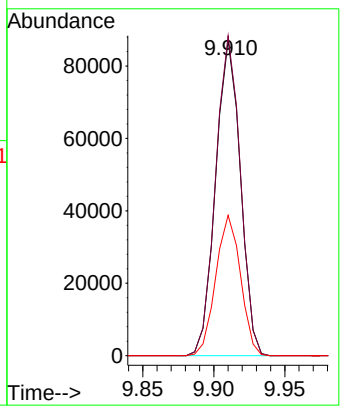


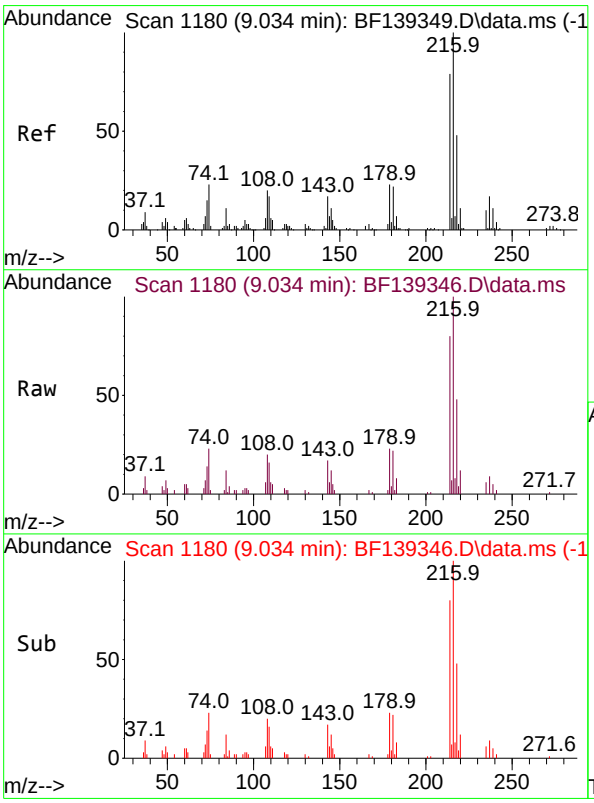

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:164 Resp: 105494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.3 | 121.9 |
| 160 | 44.5 | 36.4 | 54.6 |

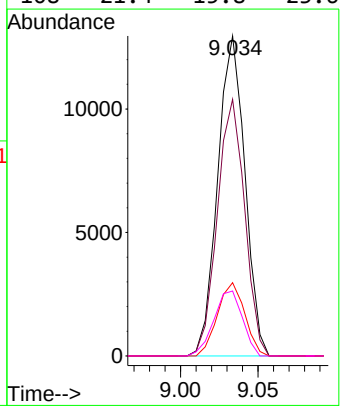


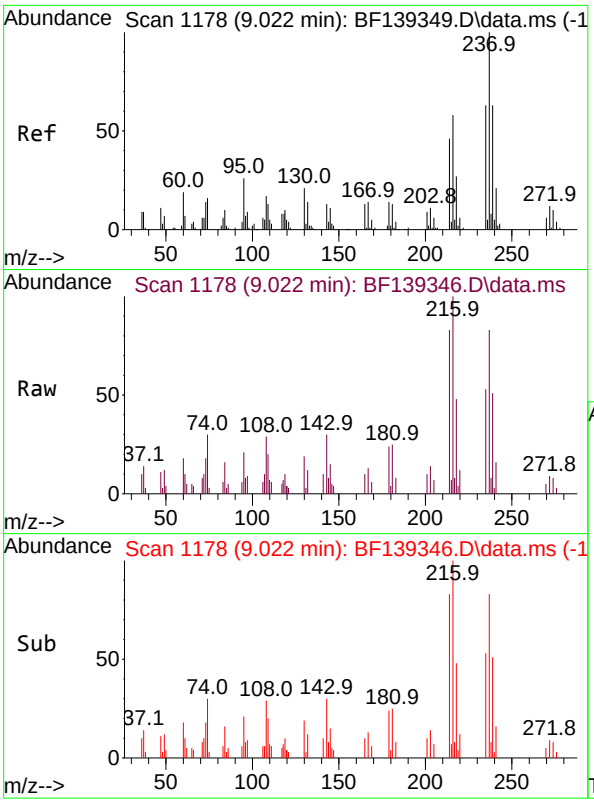




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.298 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:216 Resp: 15812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.4 | 63.4 | 95.0 |
| 179 | 23.0 | 18.2 | 27.2 |
| 108 | 21.4 | 15.8 | 23.6 |



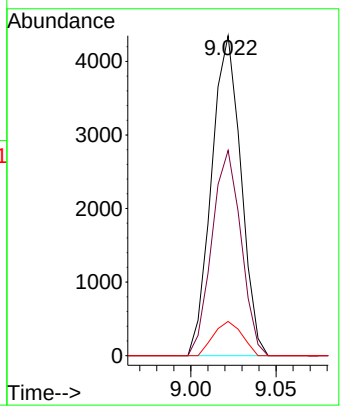


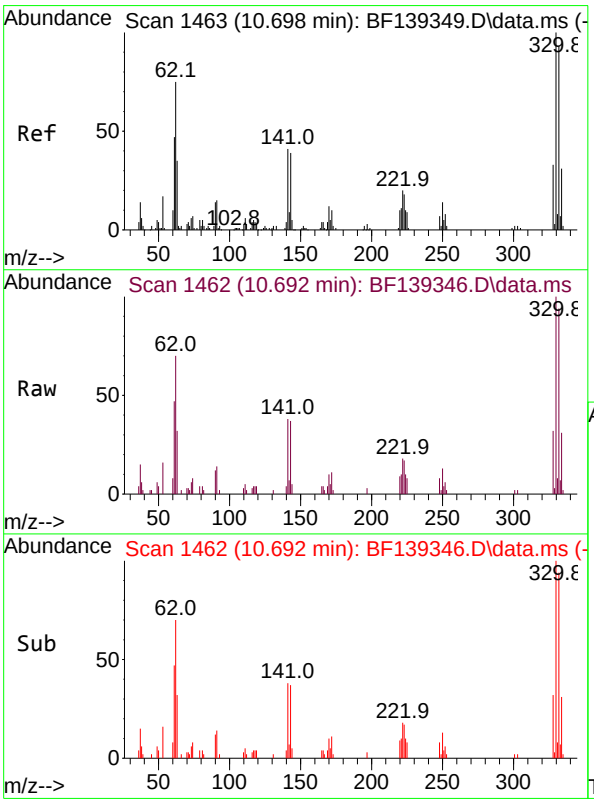

#41
Hexachlorocyclopentadiene
Concen: 5.439 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:237 Resp: 5217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.1 | 42.7 | 82.7 |
| 272 | 10.7 | 0.0 | 32.5 |

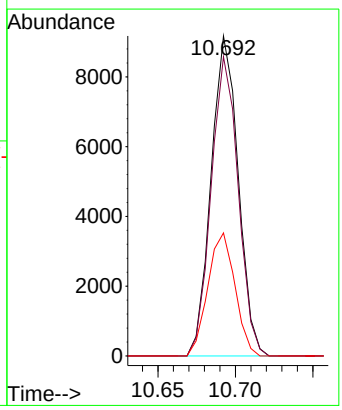


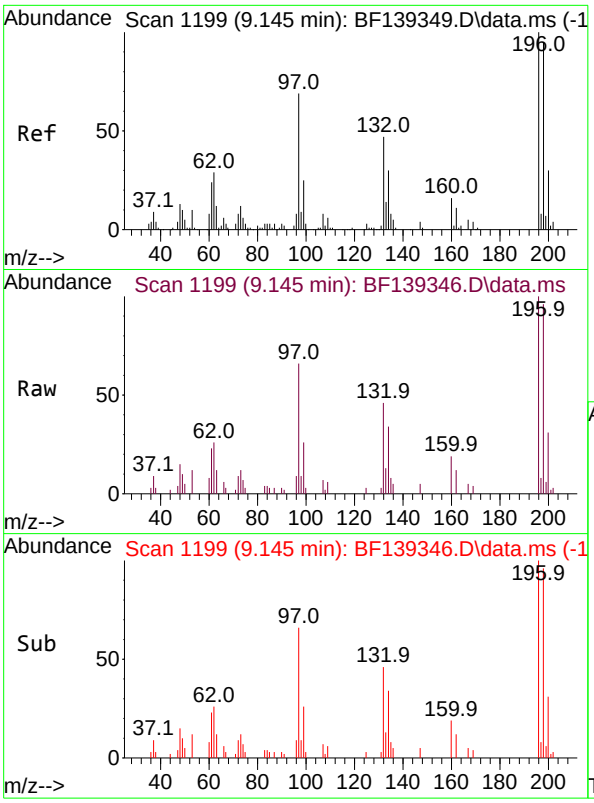




#42
2,4,6-Tribromophenol
Concen: 12.249 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:330 Resp: 11158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.2 | 75.2 | 112.8 |
| 141 | 38.4 | 31.2 | 46.8 |



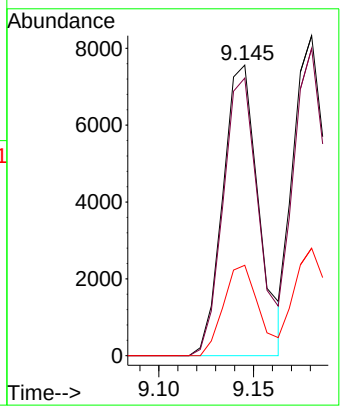


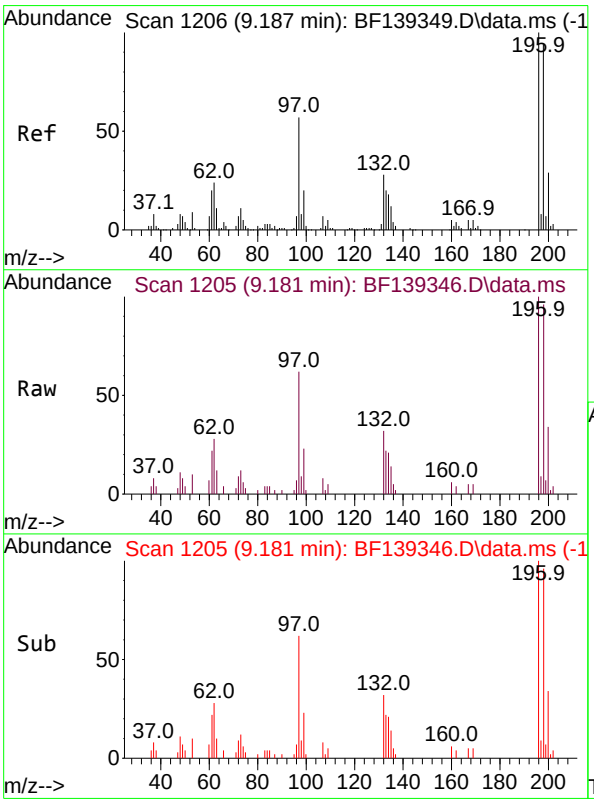

#43
2,4,6-Trichlorophenol
Concen: 5.103 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:196 Resp: 9966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 75.8 | 113.6 |
| 200 | 31.1 | 24.1 | 36.1 |

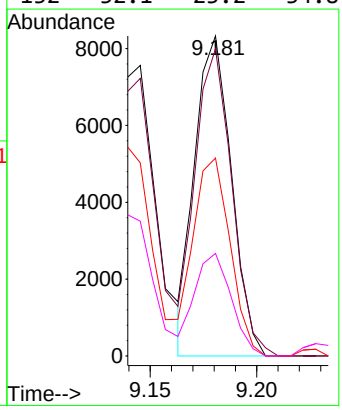


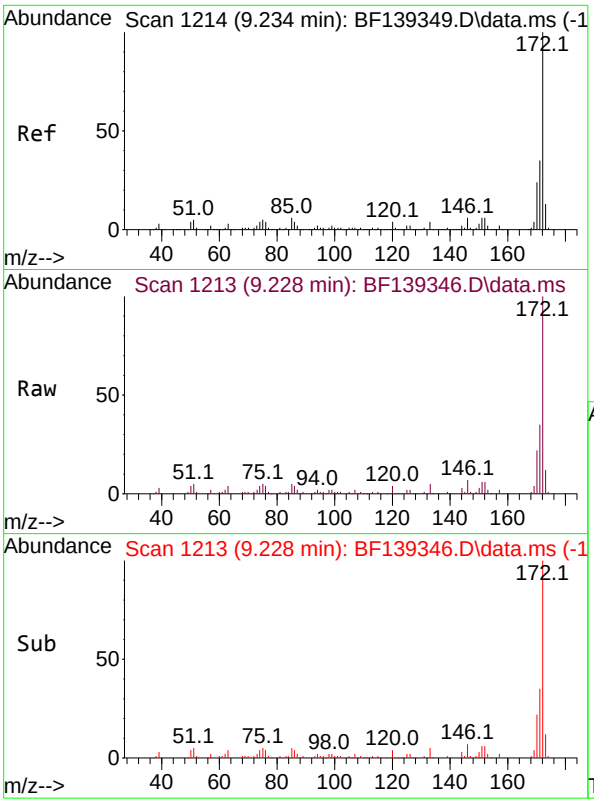




#44
2,4,5-Trichlorophenol
Concen: 4.872 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:196 Resp: 9970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 74.8 | 112.2 |
| 97 | 61.8 | 47.3 | 70.9 |
| 132 | 32.1 | 23.2 | 34.8 |



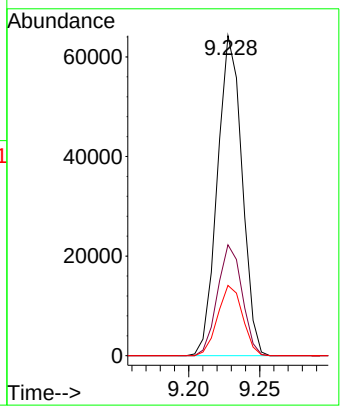


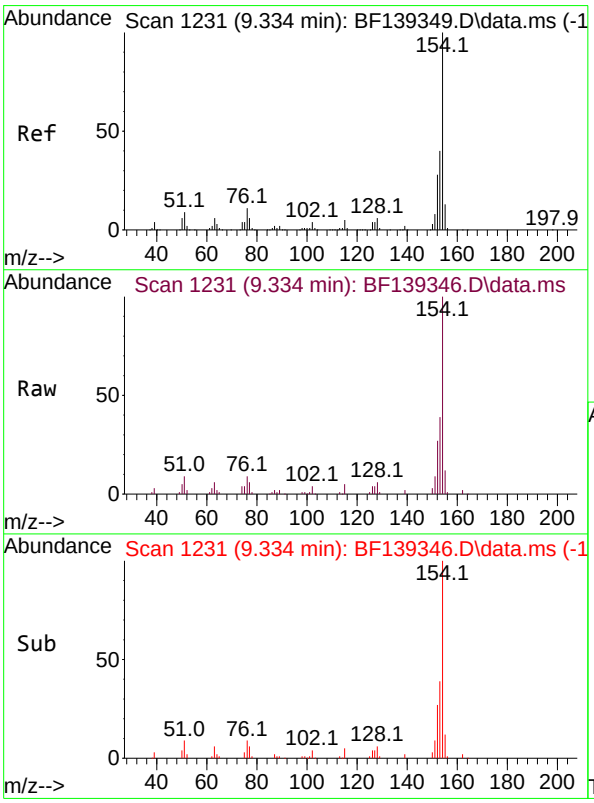

#45
2-Fluorobiphenyl
Concen: 11.346 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:172 Resp: 77537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.3 | 42.5 |
| 170 | 22.0 | 19.0 | 28.6 |

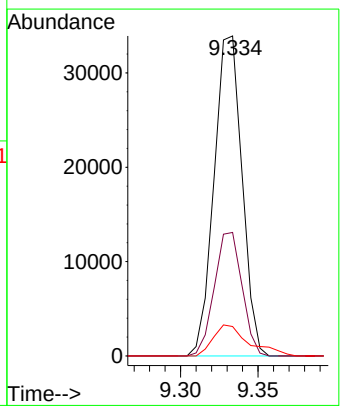


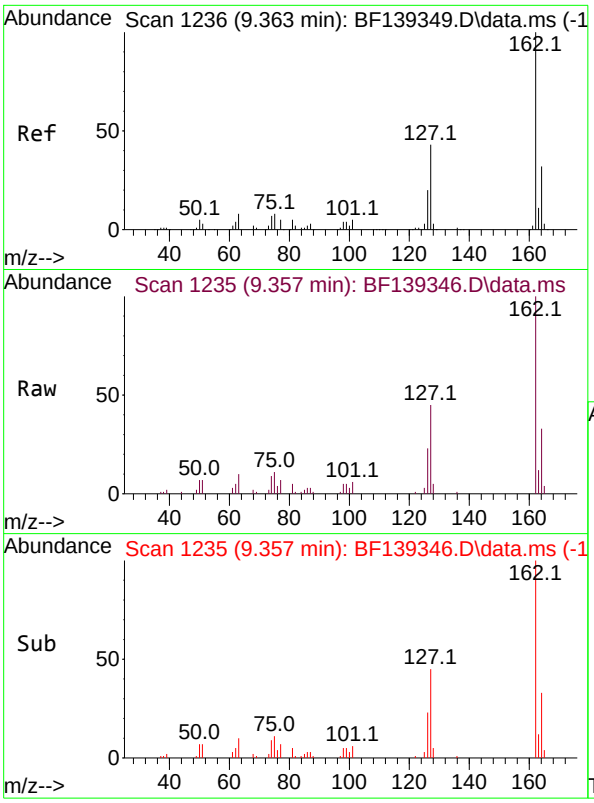




#46
1,1'-Biphenyl
Concen: 5.449 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:154 Resp: 42592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 38.6 | 20.1 | 60.1 |
| 76 | 9.2 | 0.0 | 31.1 |



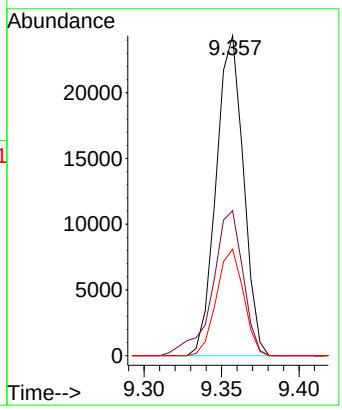


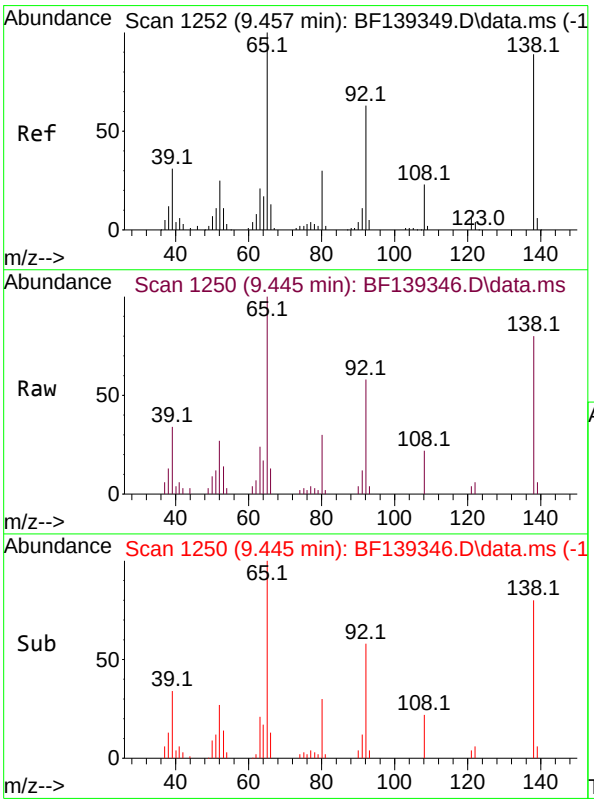

#47
2-Chloronaphthalene
Concen: 5.050 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:162 Resp: 29802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 45.3 | 35.0 | 52.4 |
| 164 | 33.3 | 25.8 | 38.6 |

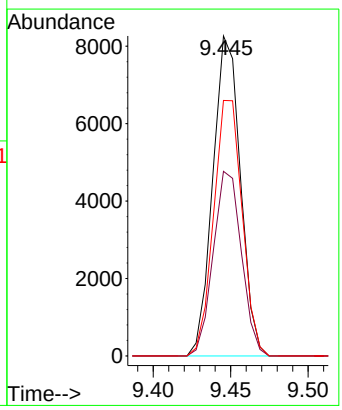


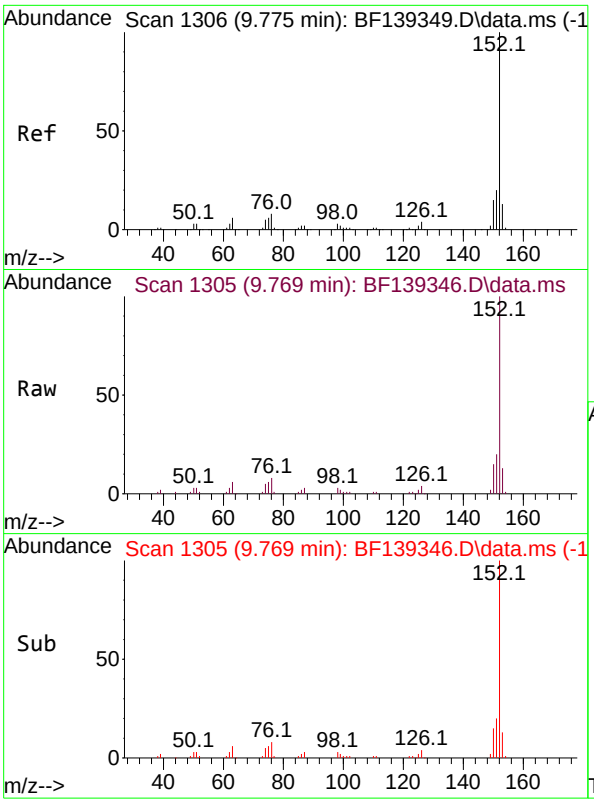




#48
2-Nitroaniline
Concen: 5.025 ng
RT: 9.445 min Scan# 1250
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 65 Resp: 10214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 57.7 | 50.3 | 75.5 |
| 138 | 79.8 | 71.3 | 106.9 |



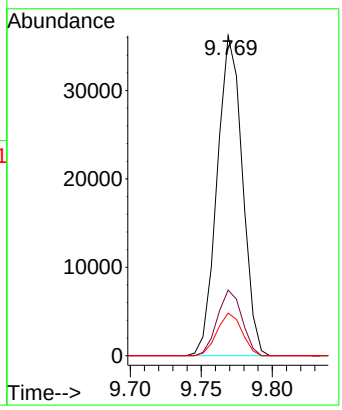


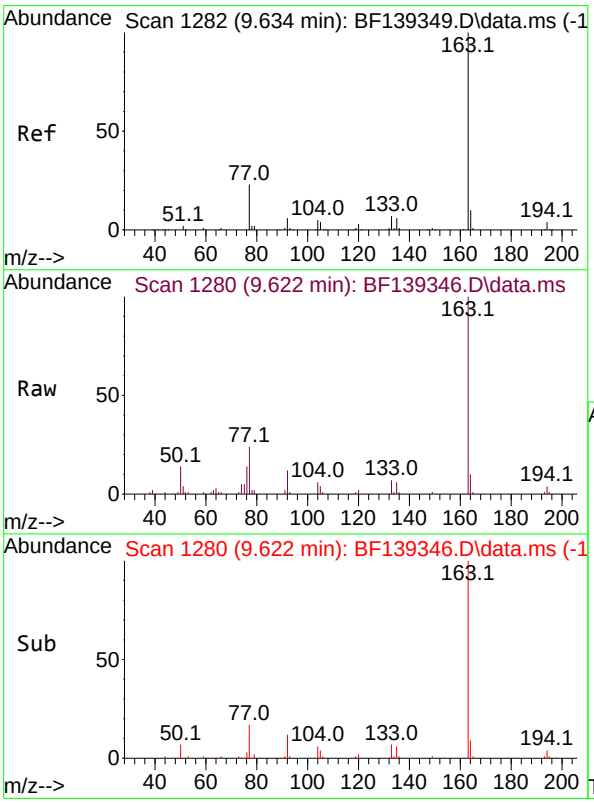

#49
Acenaphthylene
Concen: 5.031 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:152 Resp: 44722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.2 |
| 153 | 13.3 | 10.3 | 15.5 |

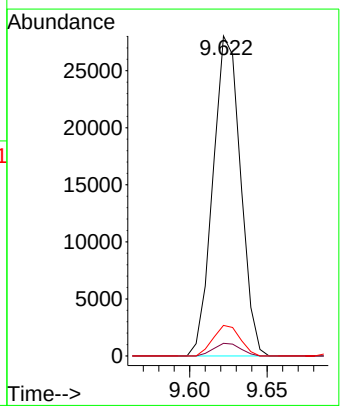


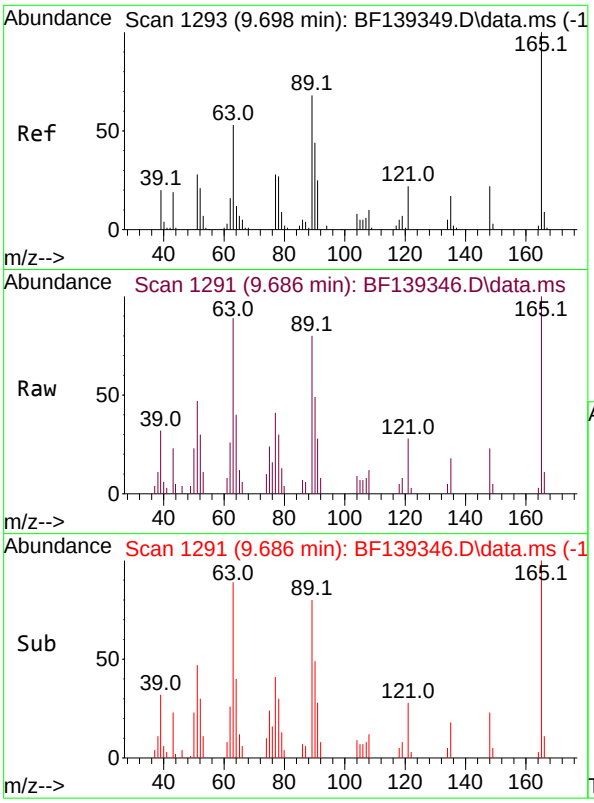




#50
Dimethylphthalate
Concen: 5.437 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:163 Resp: 34763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 9.6 | 8.2 | 12.2 |



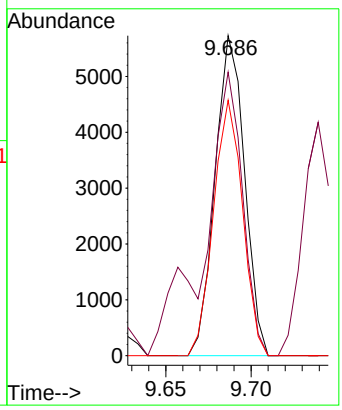


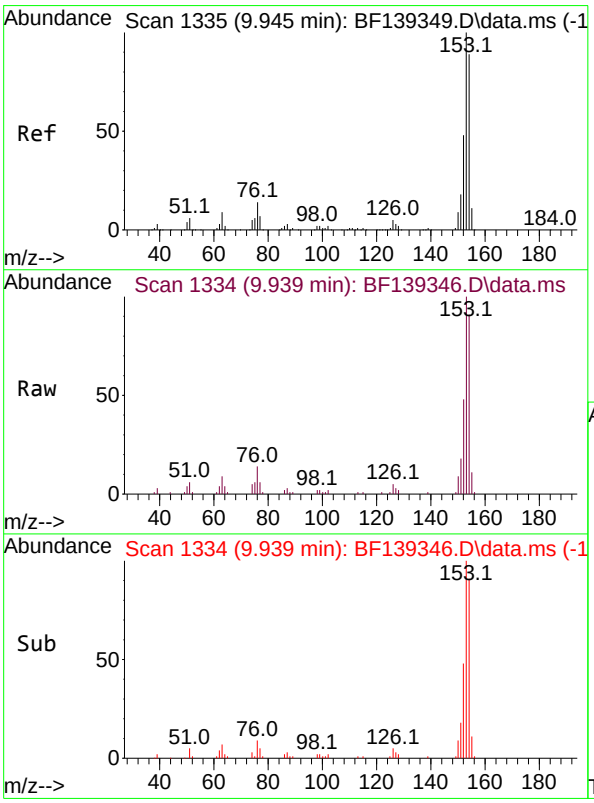

#51
2,6-Dinitrotoluene
Concen: 4.754 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:165 Resp: 6896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 88.6 | 60.9 | 91.3 |
| 89 | 79.8 | 54.7 | 82.1 |

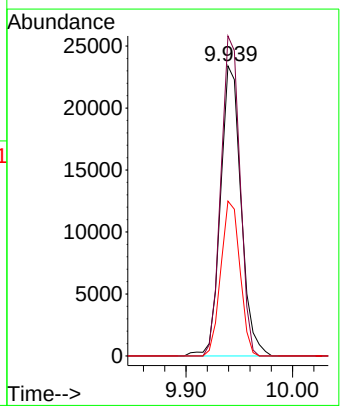


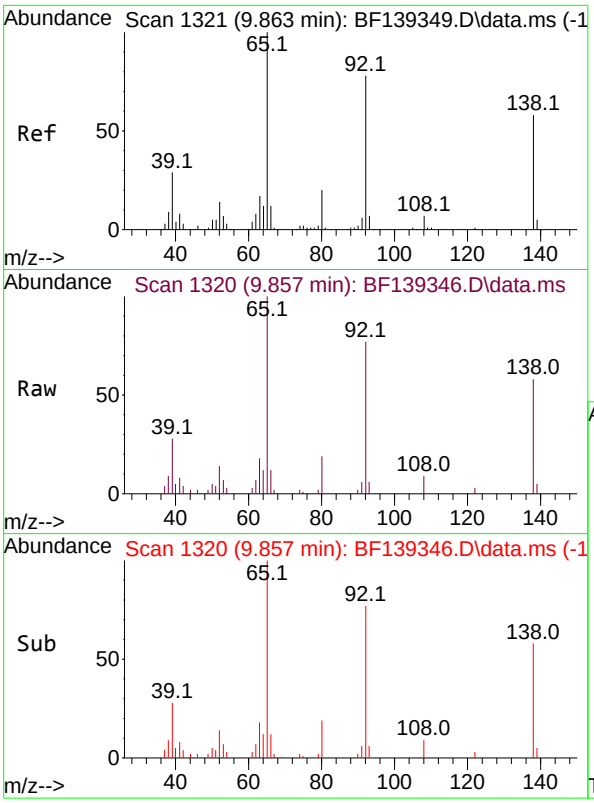




#52
Acenaphthene
Concen: 5.305 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:154 Resp: 31279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.3 | 89.5 | 134.3 |
| 152 | 53.4 | 42.6 | 64.0 |



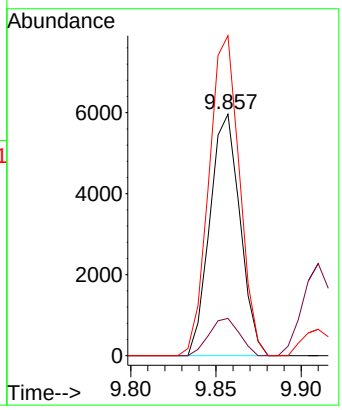


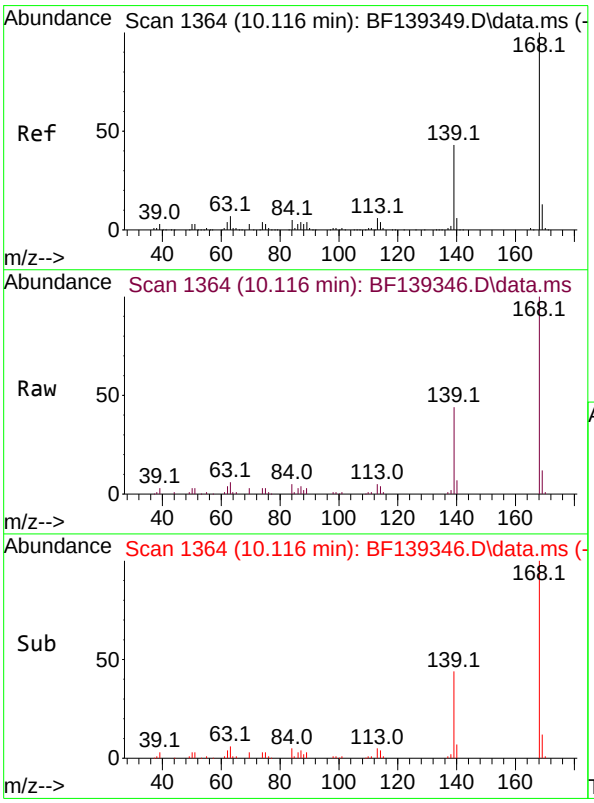

#53
3-Nitroaniline
Concen: 4.760 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:138 Resp: 7356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 15.5 | 9.8 | 14.8# |
| 92 | 132.5 | 107.4 | 161.2 |

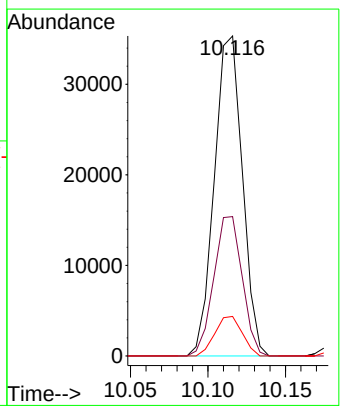


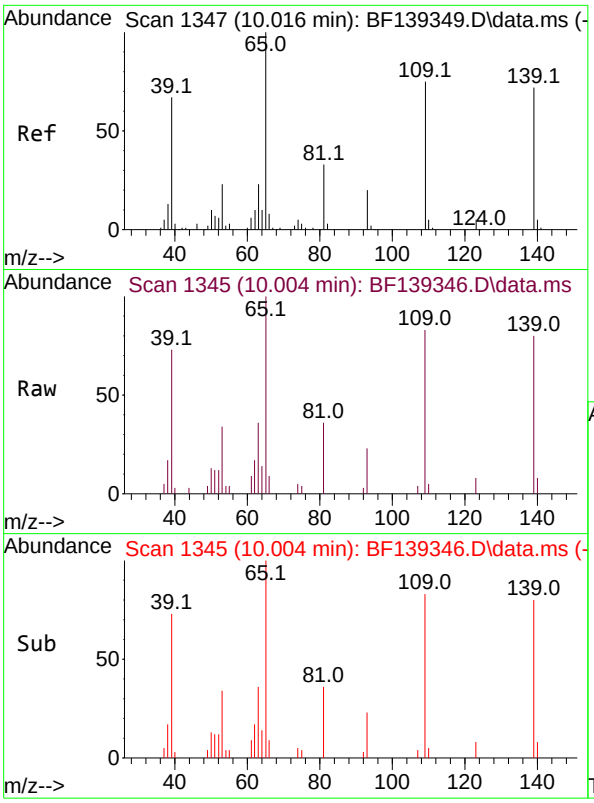




#55
Dibenzofuran
Concen: 5.264 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:168 Resp: 44498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.6 | 34.1 | 51.1 |
| 169 | 12.3 | 10.5 | 15.7 |



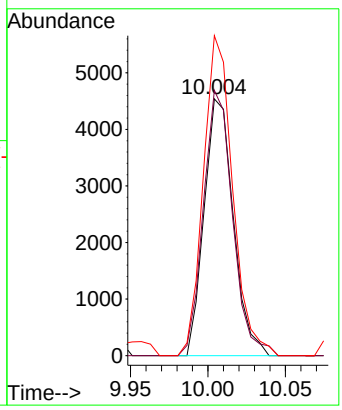


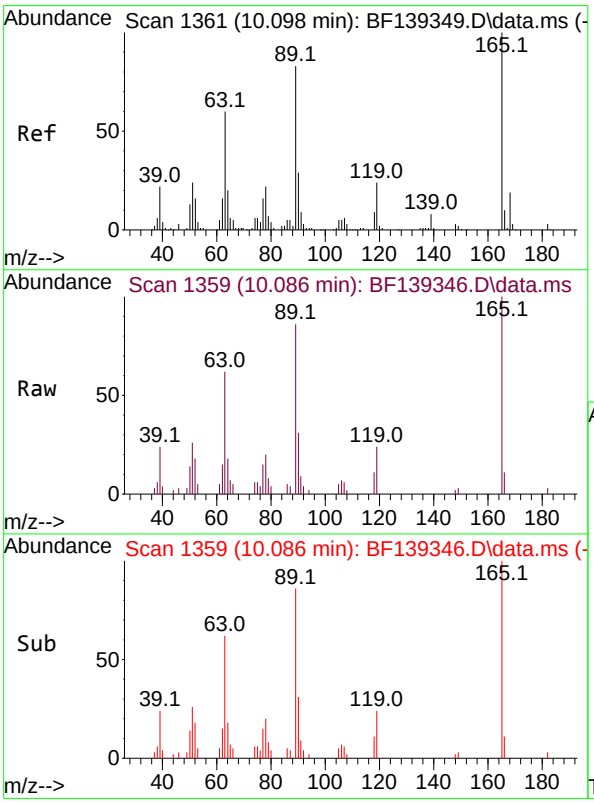

#56
4-Nitrophenol
Concen: 5.212 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:139 Resp: 5945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 103.3 | 84.1 | 124.1 |
| 65 | 124.6 | 120.0 | 160.0 |

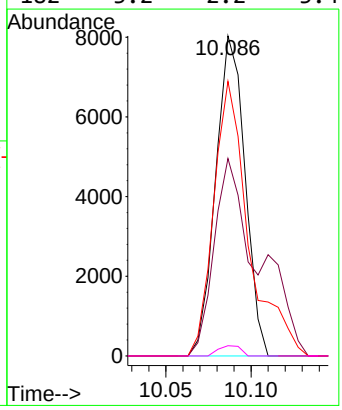


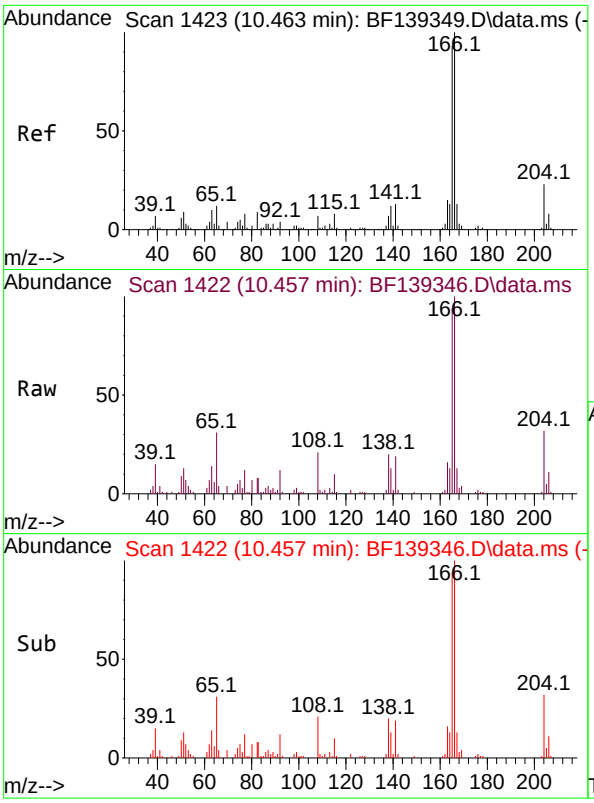




#57
2,4-Dinitrotoluene
Concen: 5.201 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:165 Resp: 9602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 47.8 | 71.6 |
| 89 | 85.8 | 66.7 | 100.1 |
| 182 | 3.2 | 2.2 | 3.4 |



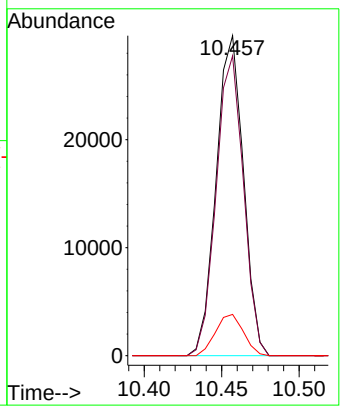


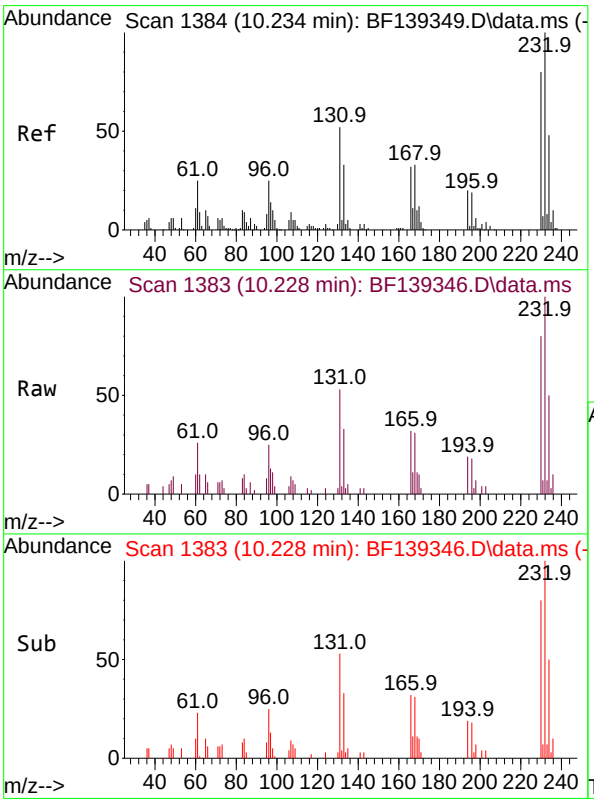

#58
Fluorene
Concen: 5.526 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:166 Resp: 36214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.7 | 74.5 | 111.7 |
| 167 | 12.9 | 10.6 | 16.0 |

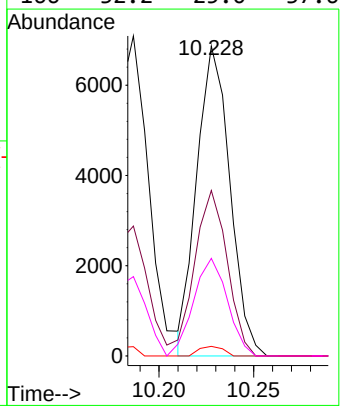


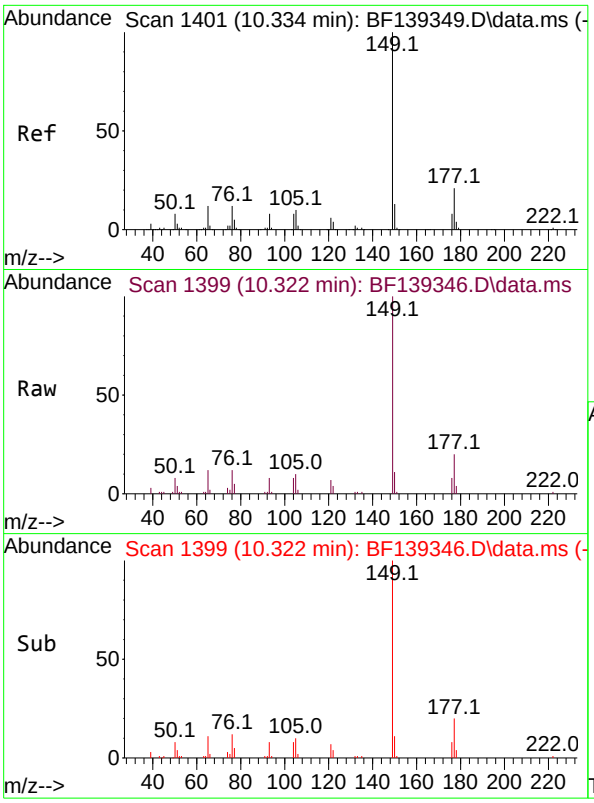




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.185 ng
RT: 10.228 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:232 Resp: 8352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 52.8 | 40.7 | 61.1 |
| 130 | 2.3 | 2.2 | 3.2 |
| 166 | 32.2 | 25.0 | 37.6 |



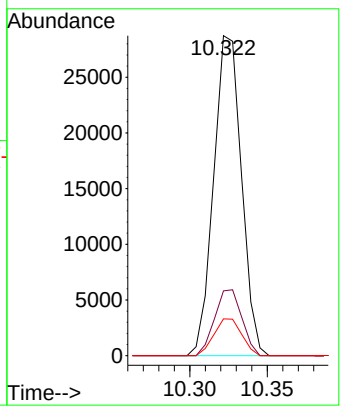


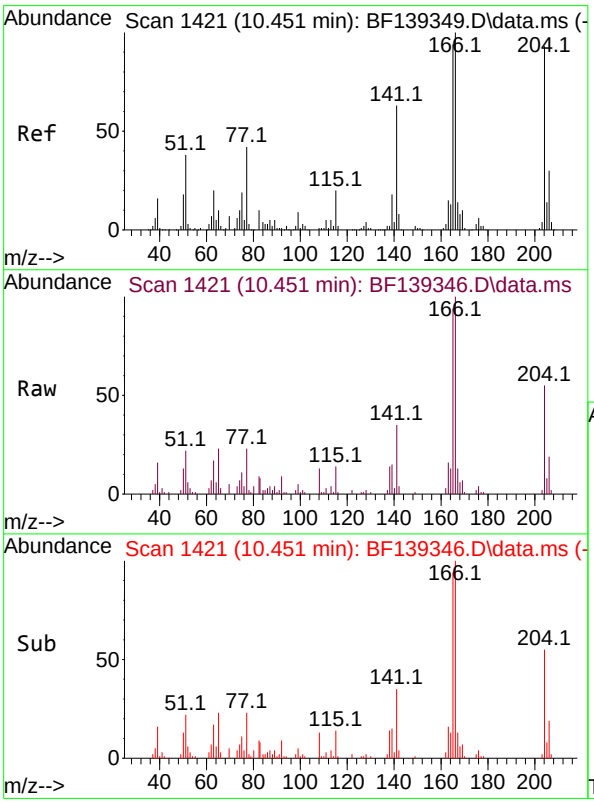

#60
Diethylphthalate
Concen: 5.696 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:149 Resp: 35843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.3 | 16.6 | 24.8 |
| 150 | 11.5 | 10.6 | 15.8 |

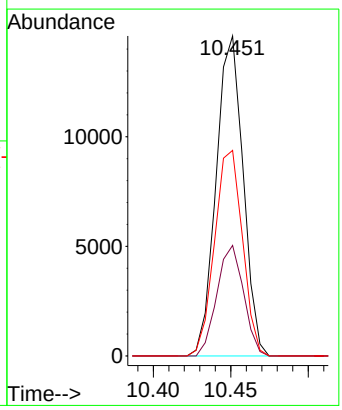


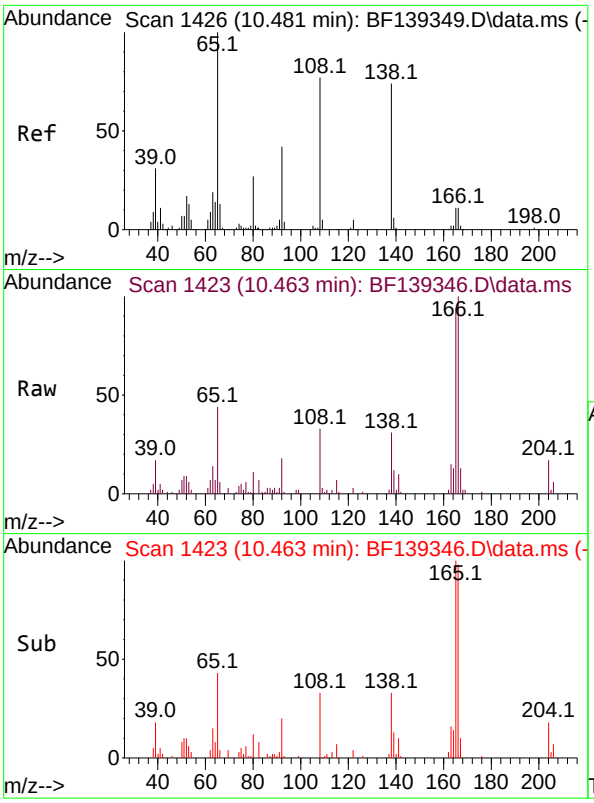




#61
4-Chlorophenyl-phenylether
Concen: 5.602 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:204 Resp: 17706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 34.5 | 26.2 | 39.2 |
| 141 | 64.2 | 53.9 | 80.9 |



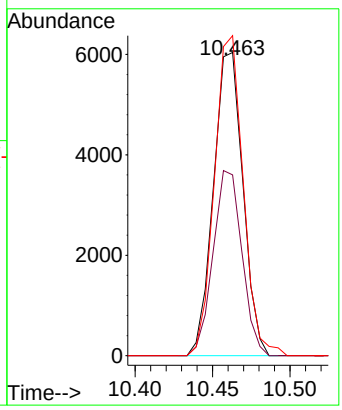


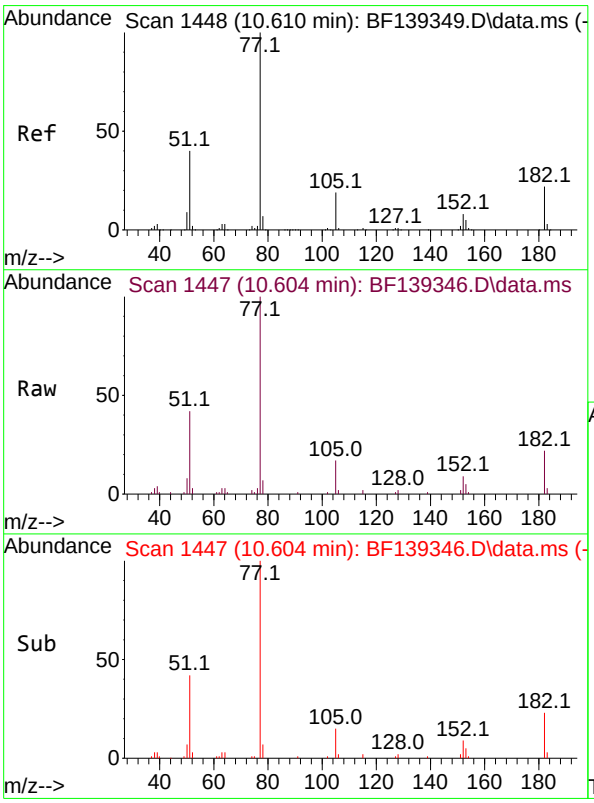

#62
4-Nitroaniline
Concen: 5.437 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:138 Resp: 7998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 59.6 | 37.0 | 77.0 |
| 108 | 105.5 | 84.4 | 124.4 |

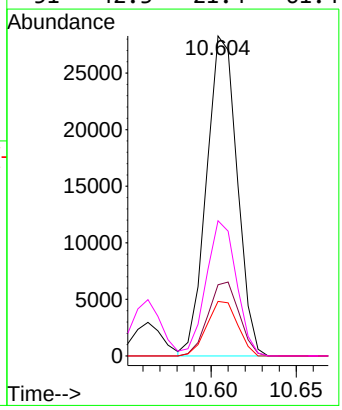


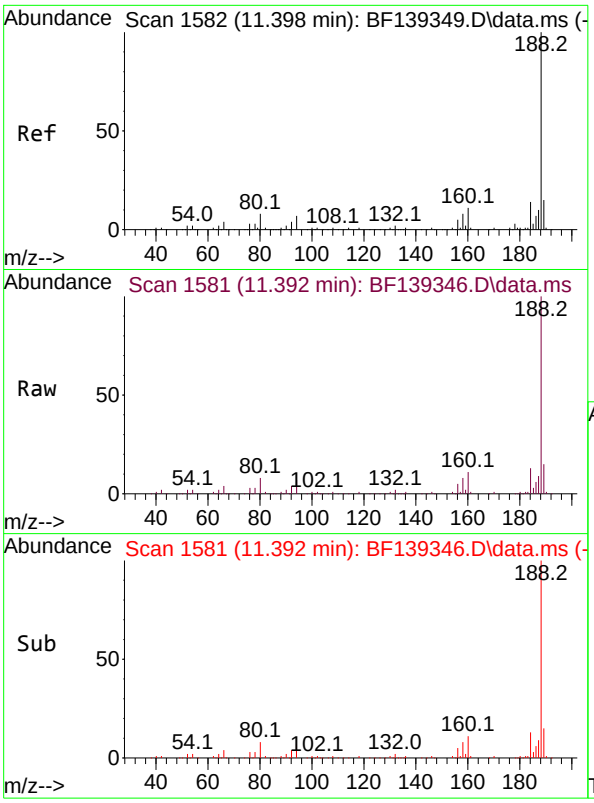




#63
Azobenzene
Concen: 5.331 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion: 77 Resp: 35354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.3 | 1.8 | 41.8 |
| 105 | 17.0 | 0.0 | 38.6 |
| 51 | 42.3 | 21.4 | 61.4 |



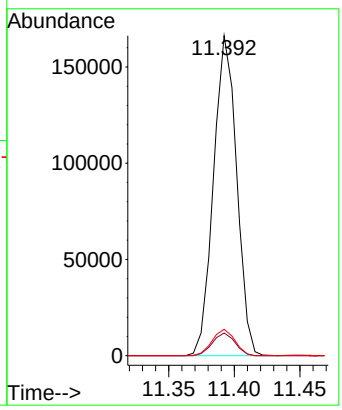


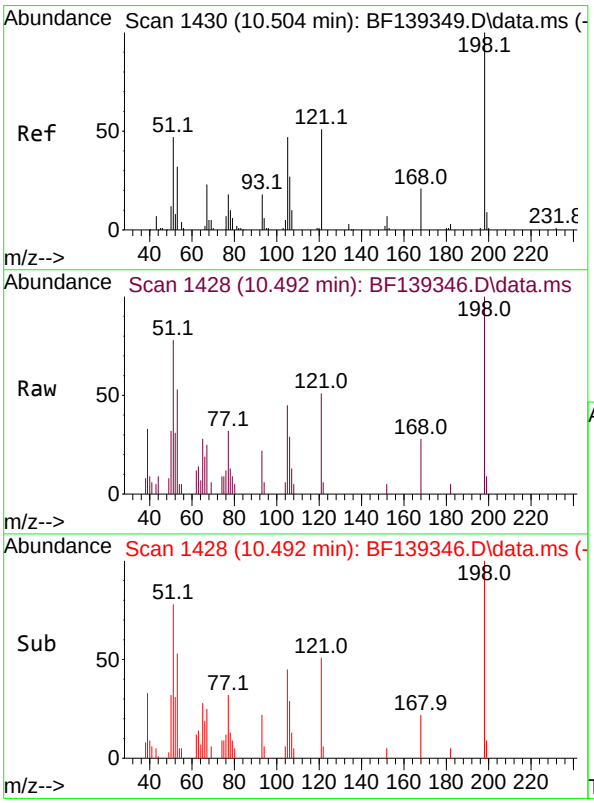

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:188 Resp: 203939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 5.5 | 8.3 |
| 80 | 8.3 | 6.6 | 9.8 |

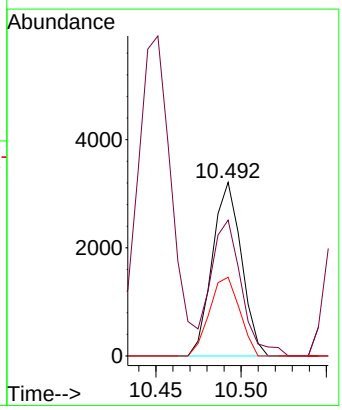


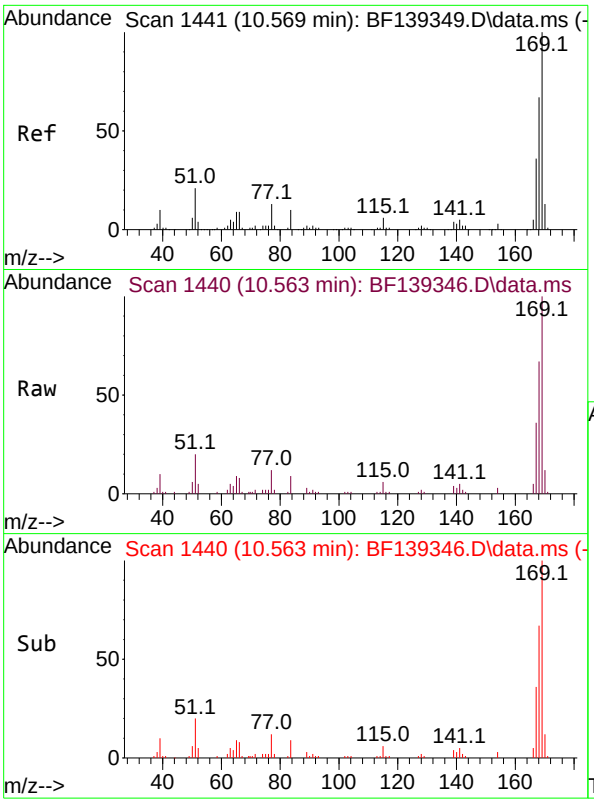




#65
4,6-Dinitro-2-methylphenol
Concen: 4.053 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:198 Resp: 3819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 78.3 | 50.4 | 90.4 |
| 105 | 45.4 | 28.3 | 68.3 |



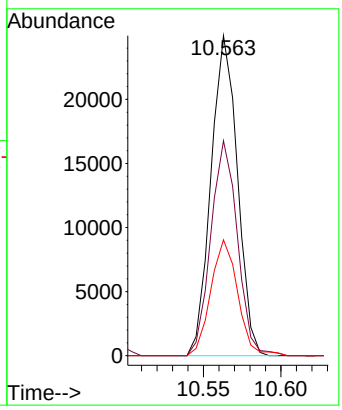


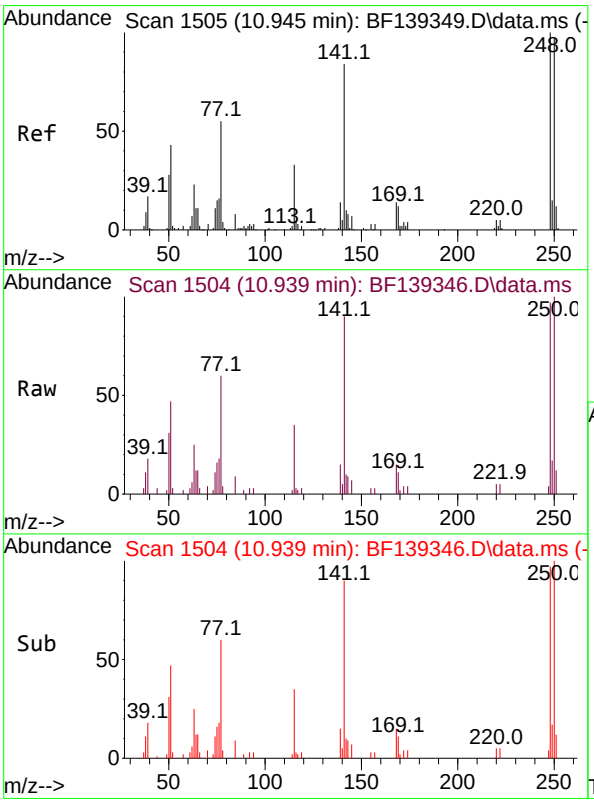

#66
n-Nitrosodiphenylamine
Concen: 4.993 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:169 Resp: 29638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.1 | 53.6 | 80.4 |
| 167 | 36.2 | 28.7 | 43.1 |

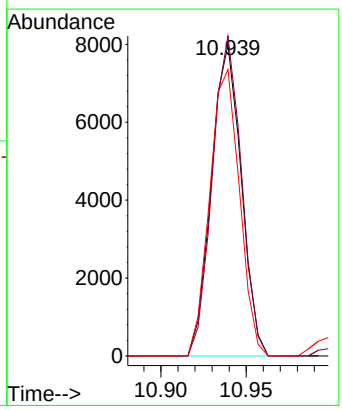


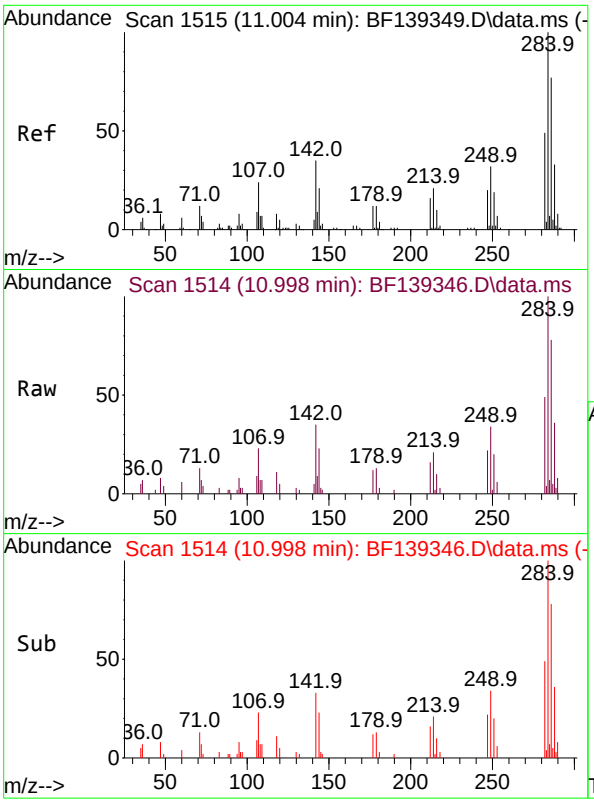




#67
4-Bromophenyl-phenylether
Concen: 4.908 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:248 Resp: 9712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 102.8 | 77.6 | 116.4 |
| 141 | 92.0 | 66.9 | 100.3 |



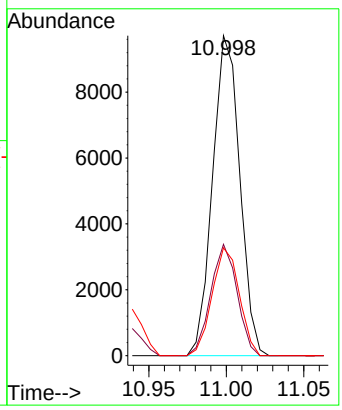


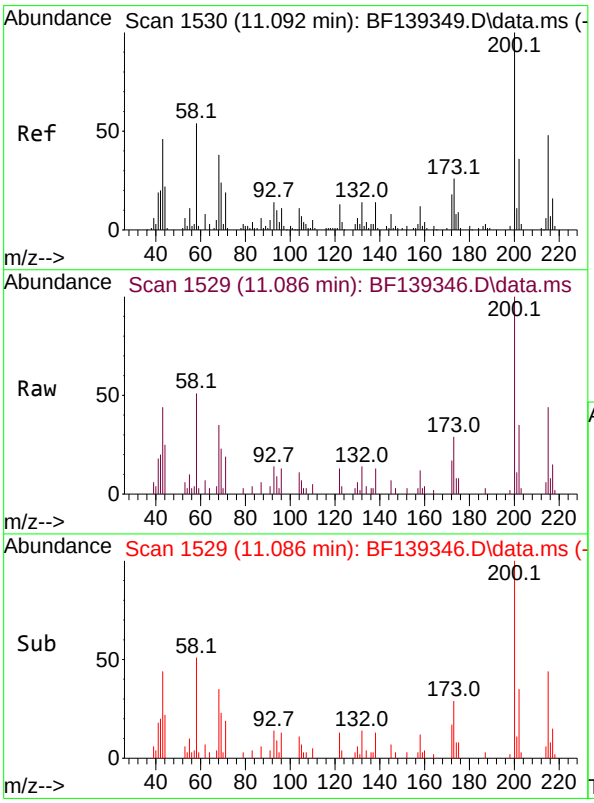

#68
Hexachlorobenzene
Concen: 5.225 ng
RT: 10.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:284 Resp: 11835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.8 | 28.0 | 42.0 |
| 249 | 33.7 | 25.3 | 37.9 |

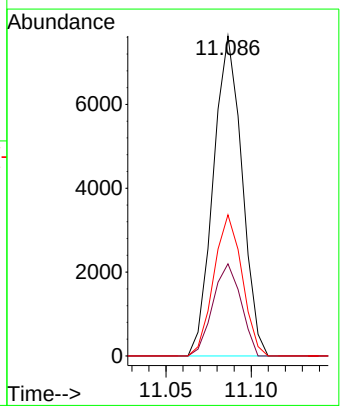


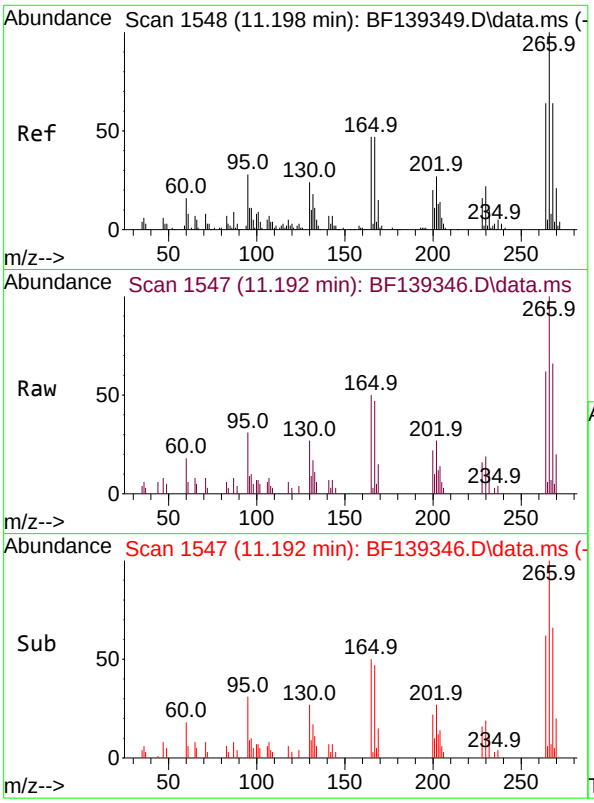




#69
Atrazine
Concen: 6.516 ng
RT: 11.086 min Scan# 1529
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:200 Resp: 8924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.8 | 6.1 | 46.1 |
| 215 | 44.1 | 28.2 | 68.2 |



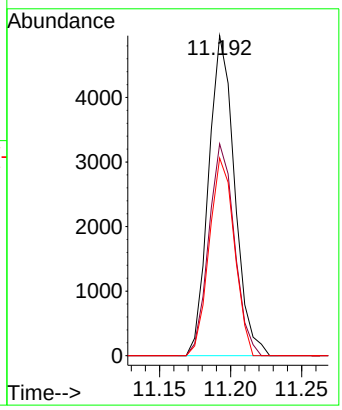


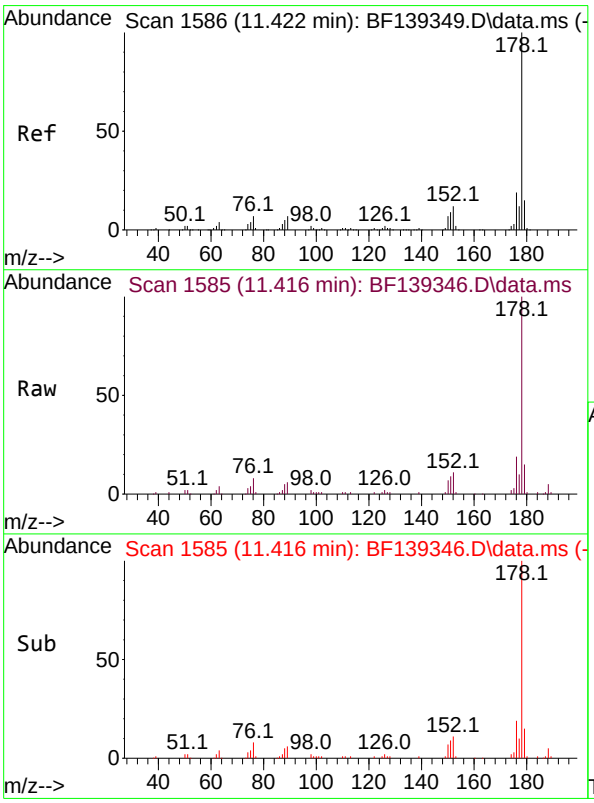

#70
Pentachlorophenol
Concen: 4.807 ng
RT: 11.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:266 Resp: 6290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.2 | 51.1 | 76.7 |
| 264 | 61.7 | 51.4 | 77.0 |

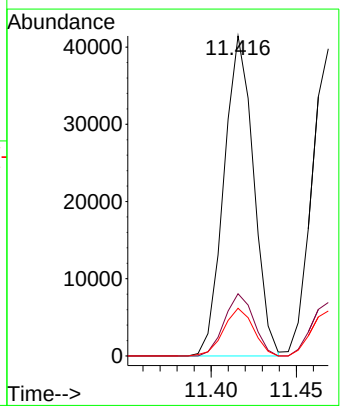


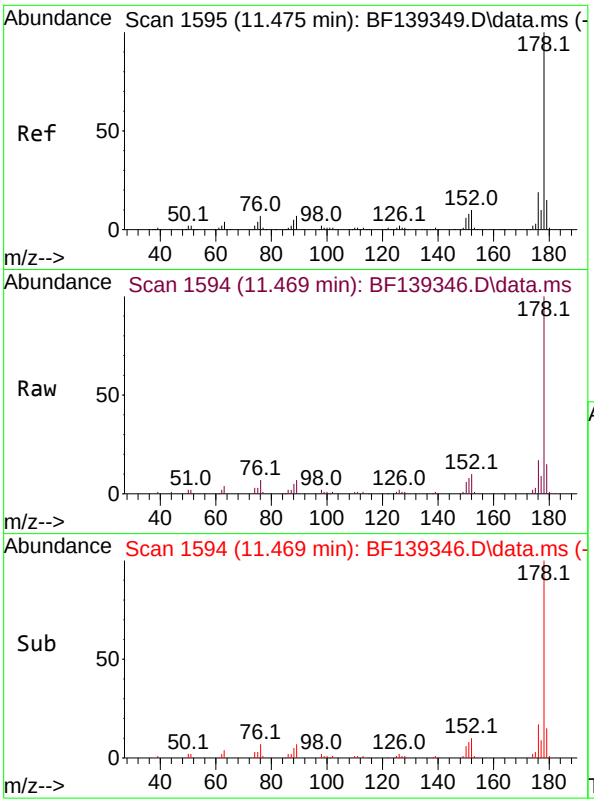




#71
Phenanthrene
Concen: 5.251 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:178 Resp: 50027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.2 | 22.8 |
| 179 | 14.9 | 12.2 | 18.4 |



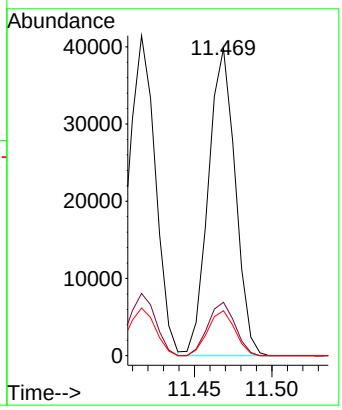


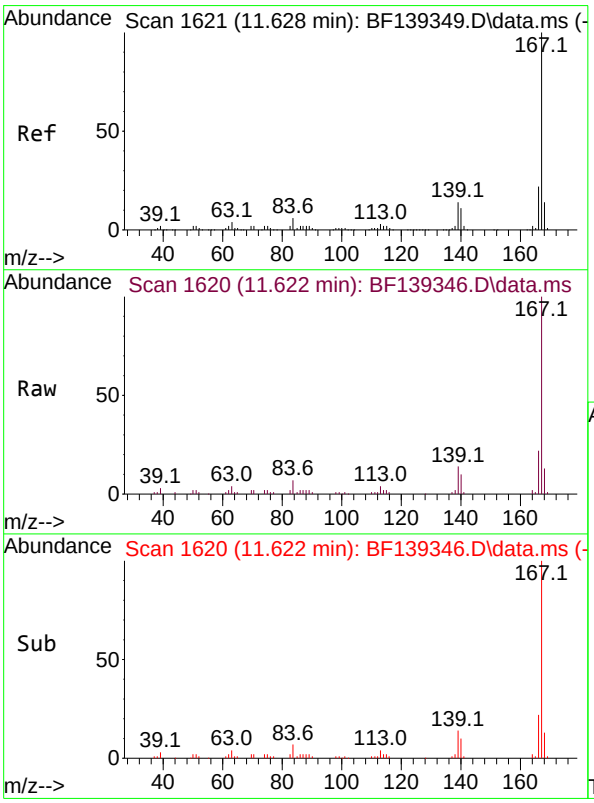

#72
Anthracene
Concen: 5.179 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:178 Resp: 48204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.4 | 15.0 | 22.6 |
| 179 | 14.6 | 12.0 | 18.0 |

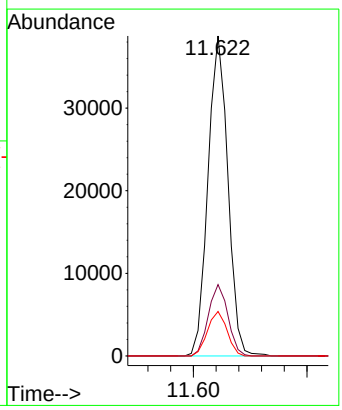


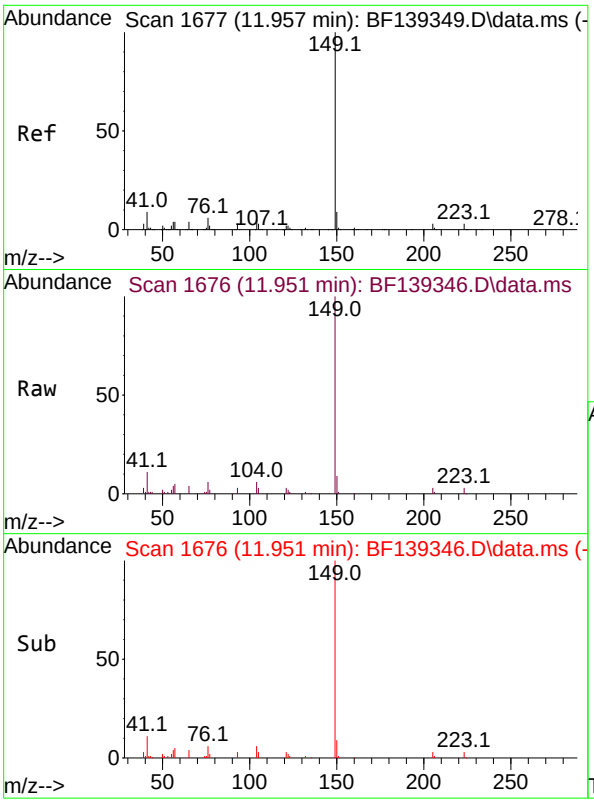




#73
Carbazole
Concen: 5.408 ng
RT: 11.622 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:167 Resp: 47039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.3 | 17.5 | 26.3 |
| 139 | 13.9 | 10.9 | 16.3 |



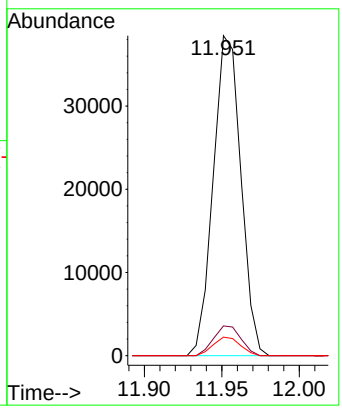


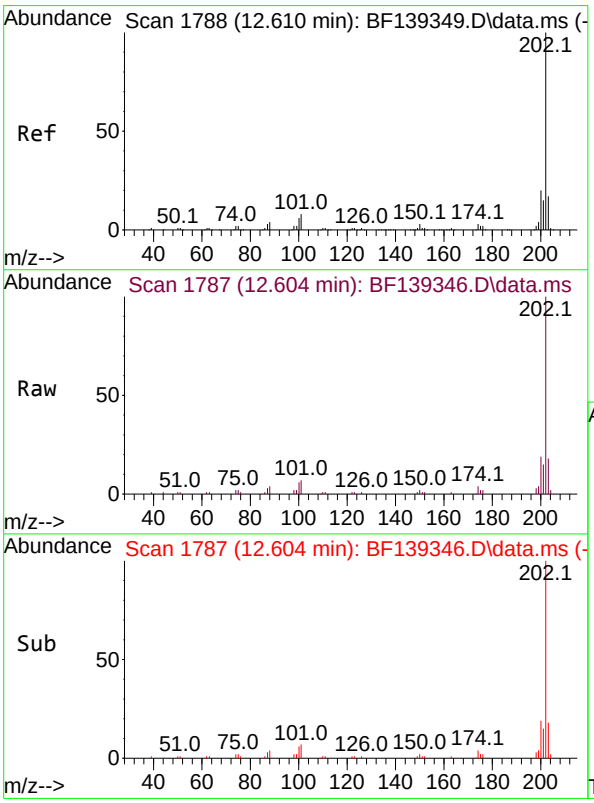

#74
Di-n-butylphthalate
Concen: 5.354 ng
RT: 11.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:149 Resp: 47689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 5.8 | 4.3 | 6.5 |

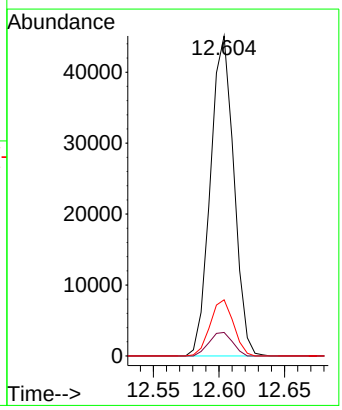


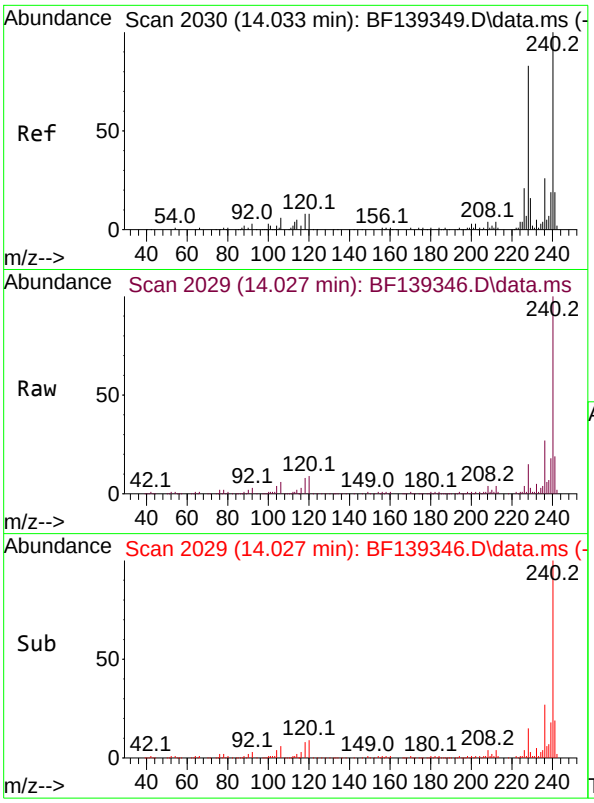




#75
Fluoranthene
Concen: 5.872 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:202 Resp: 56089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.4 | 0.0 | 27.7 |
| 203 | 17.6 | 0.0 | 37.4 |



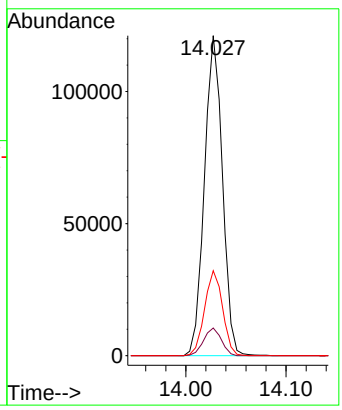


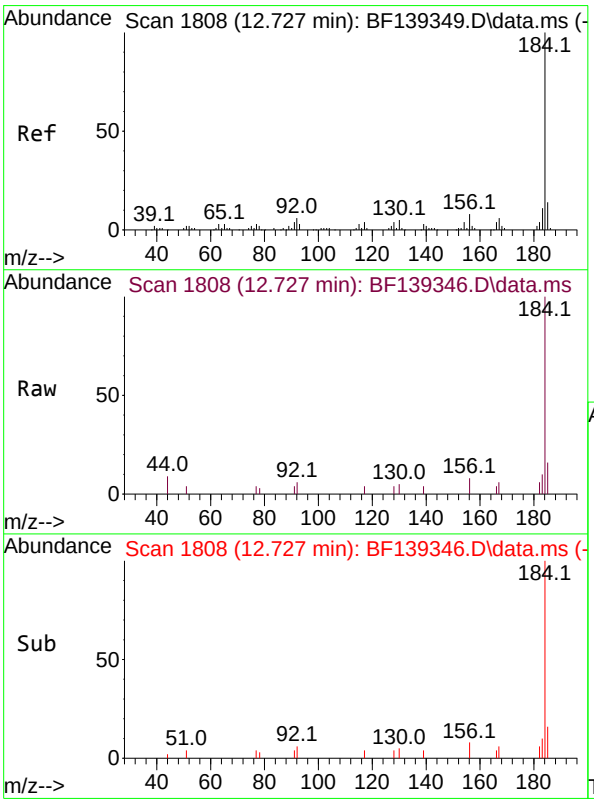

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:240 Resp: 151467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.6 | 6.2 | 9.2 |
| 236 | 26.6 | 20.9 | 31.3 |

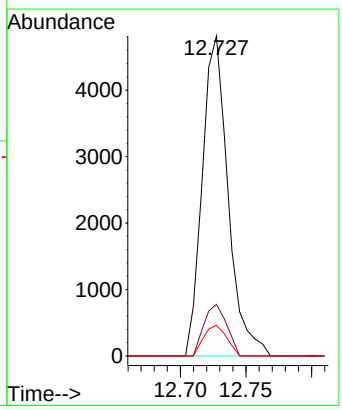


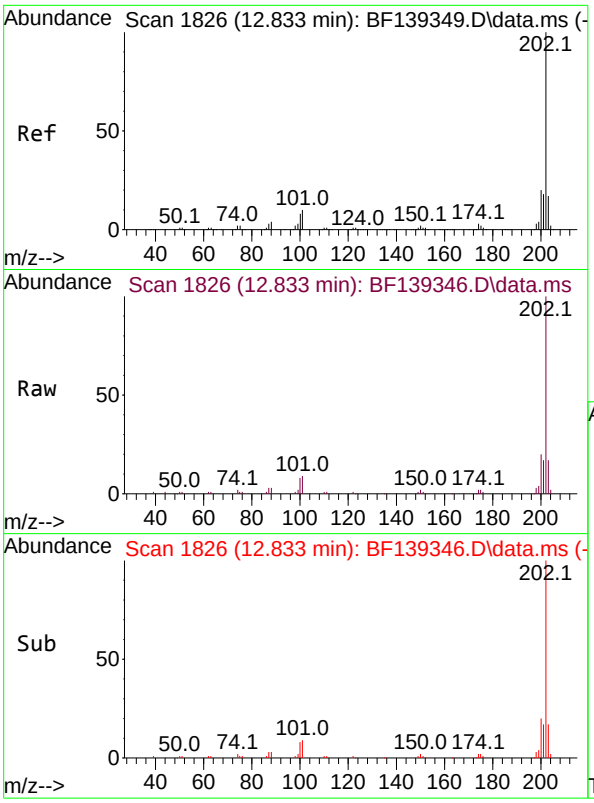




#77
Benzidine
Concen: 2.166 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:184 Resp: 6607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.1 | 11.5 | 17.3 |
| 183 | 9.6 | 8.9 | 13.3 |



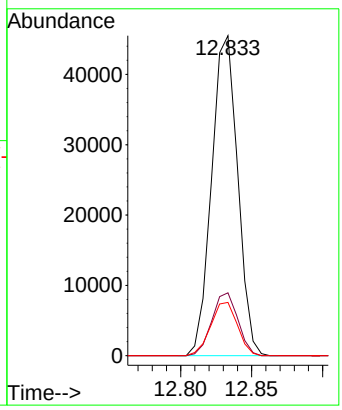


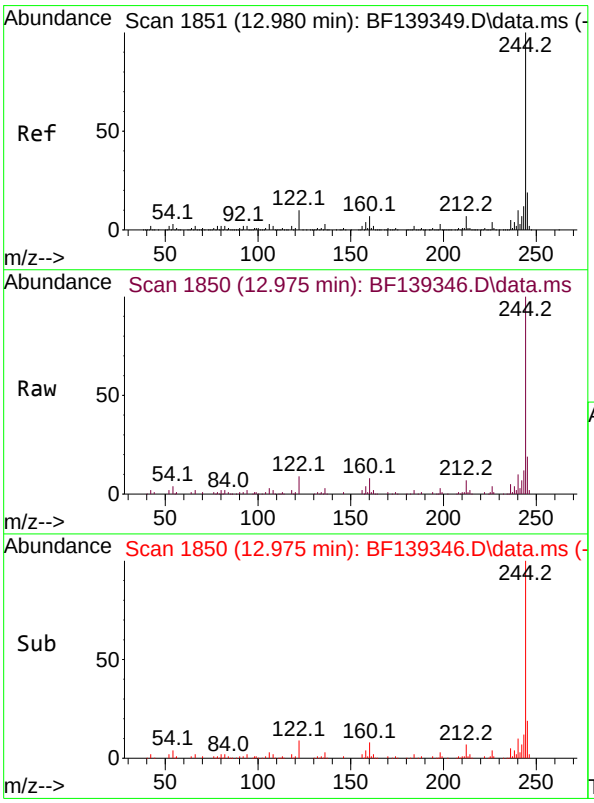

#78
Pyrene
Concen: 3.976 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:202 Resp: 58177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 16.2 | 24.2 |
| 203 | 16.6 | 13.9 | 20.9 |

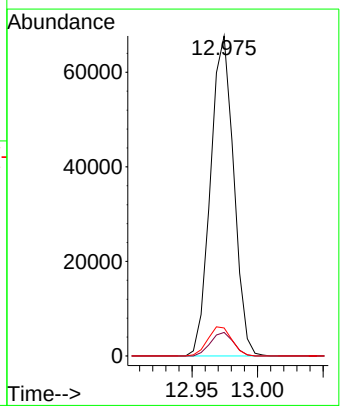


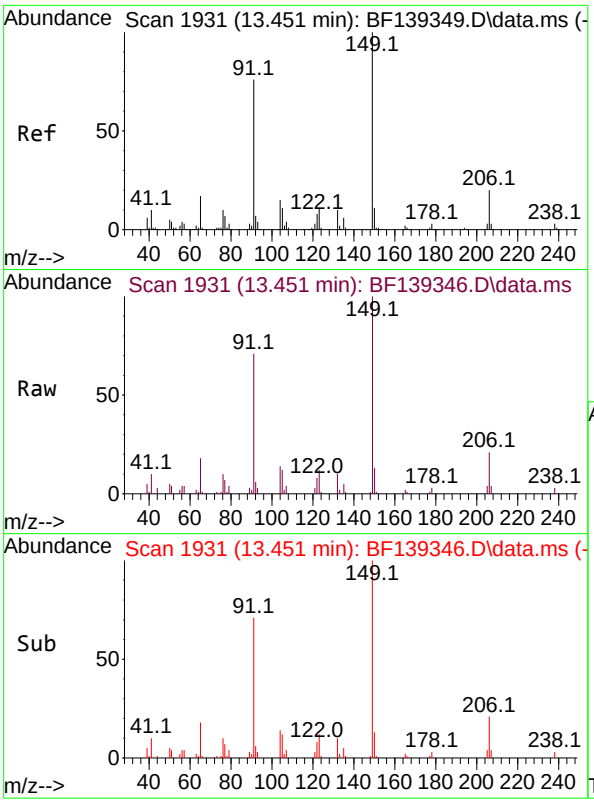




#79
Terphenyl-d14
Concen: 8.883 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:244 Resp: 83334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 8.8 | 7.6 | 11.4 |



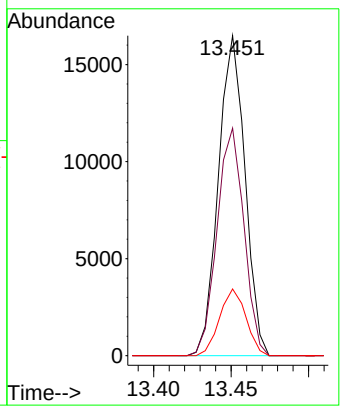


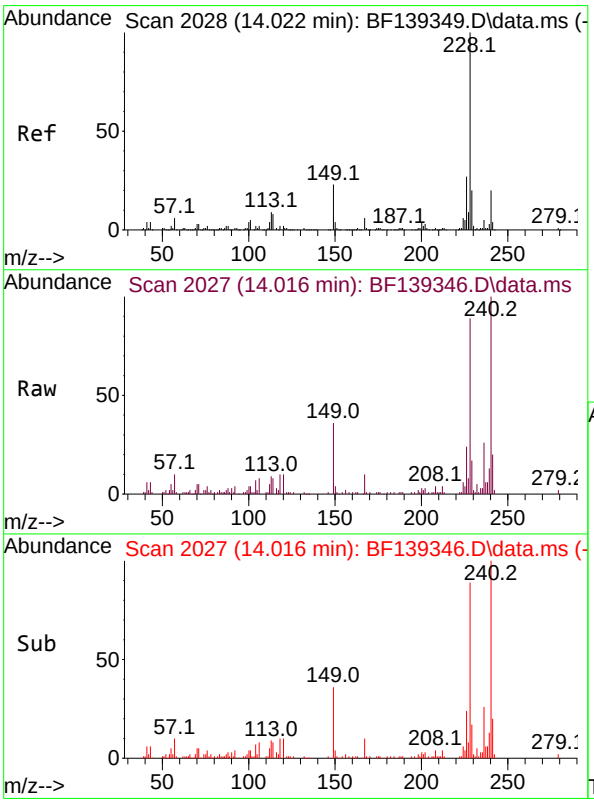

#80
Butylbenzylphthalate
Concen: 5.709 ng
RT: 13.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:149 Resp: 19663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.1 | 60.9 | 91.3 |
| 206 | 20.9 | 15.8 | 23.8 |

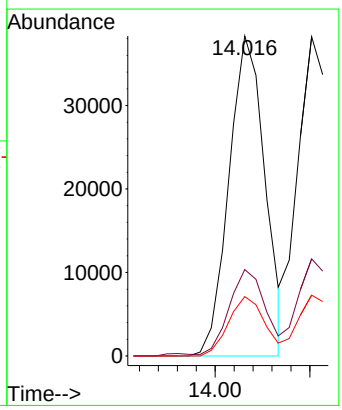


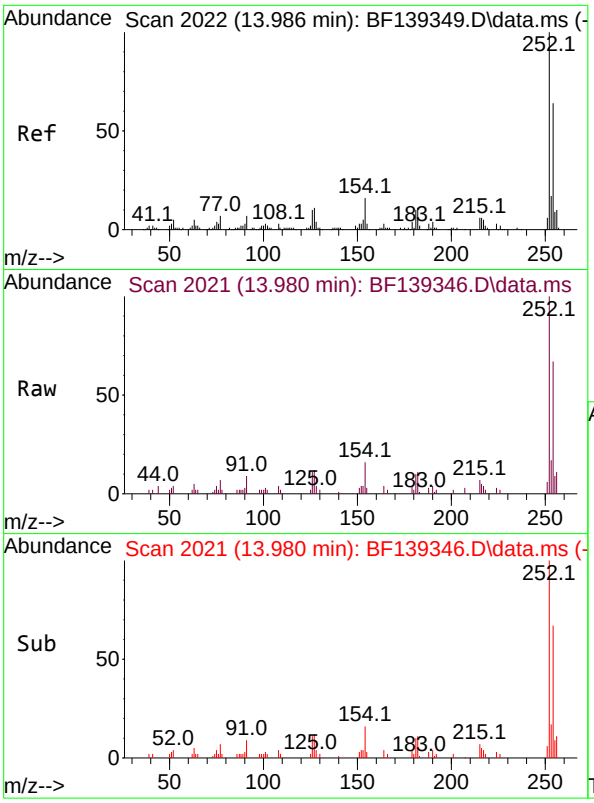




#81
Benzo(a)anthracene
Concen: 5.221 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:228 Resp: 50501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.6 | 32.4 |
| 229 | 18.5 | 15.7 | 23.5 |



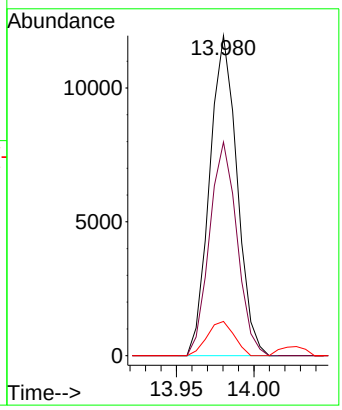


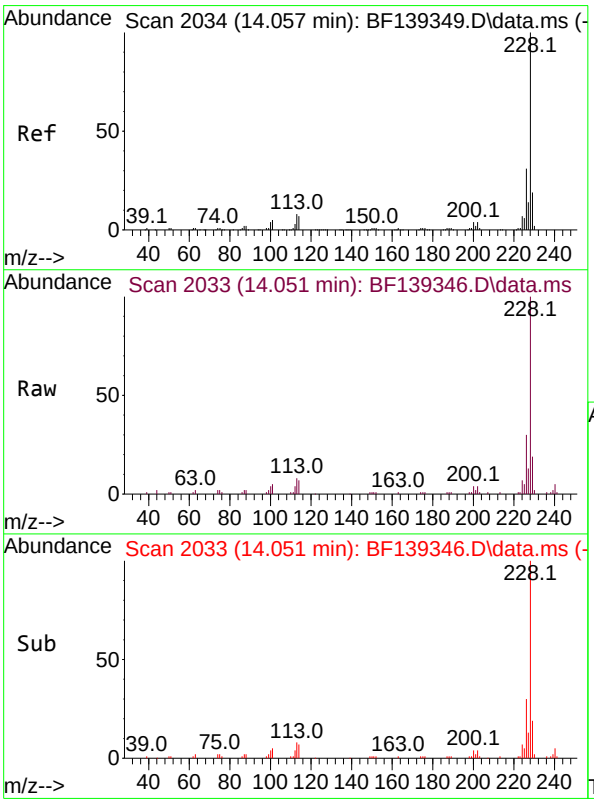

#82
3,3'-Dichlorobenzidine
Concen: 5.724 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:252 Resp: 14703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 66.7 | 51.4 | 77.2 |
| 126 | 10.7 | 7.7 | 11.5 |

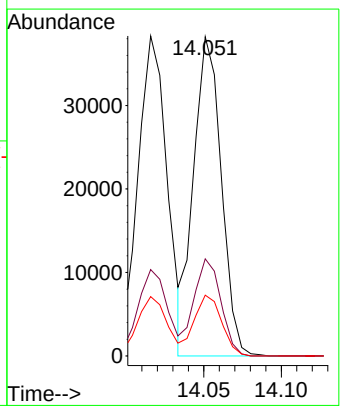


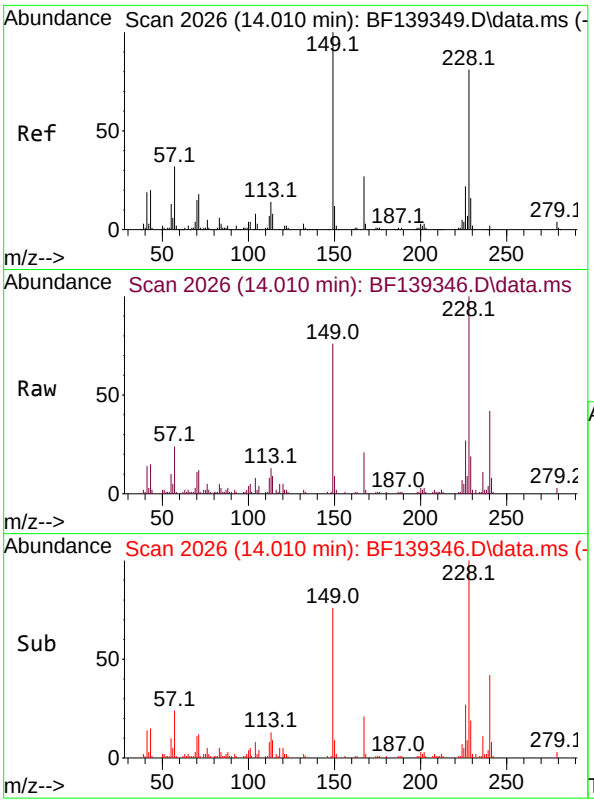




#83
Chrysene
Concen: 5.252 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:228 Resp: 47410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.1 | 36.1 |
| 229 | 19.0 | 15.4 | 23.0 |



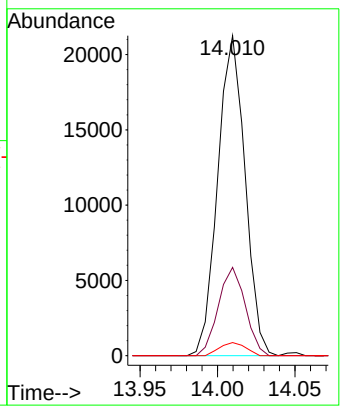


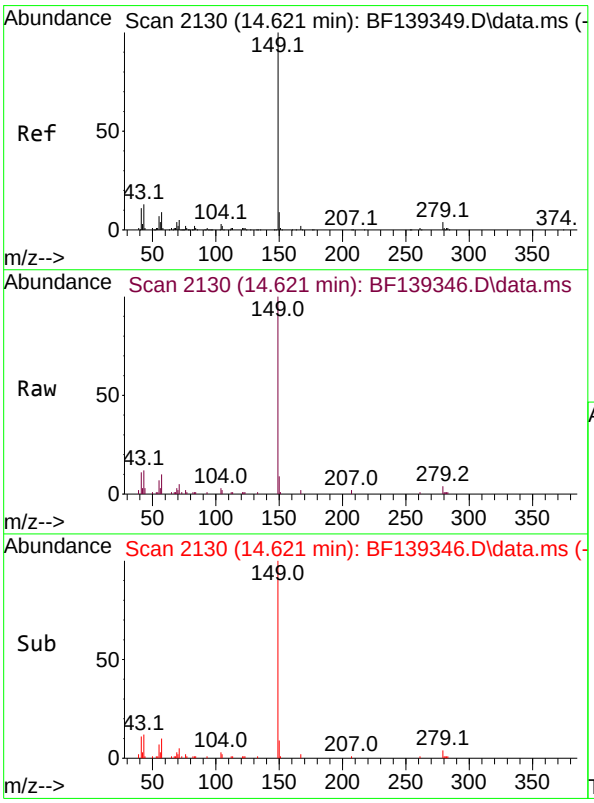

#84
Bis(2-ethylhexyl)phthalate
Concen: 6.441 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:149 Resp: 26039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 21.6 | 32.4 |
| 279 | 4.1 | 3.3 | 4.9 |

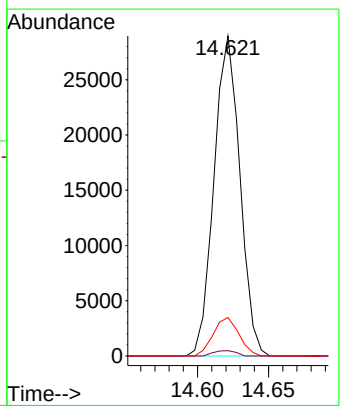


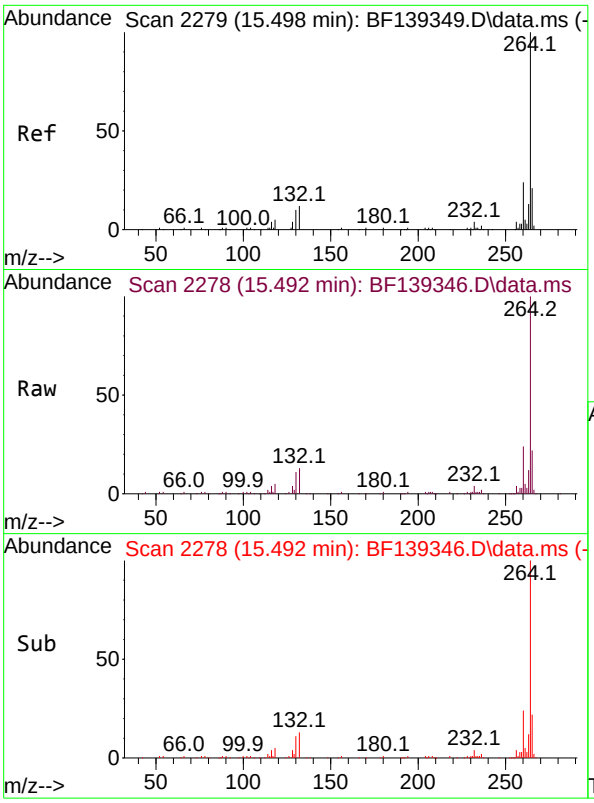




#85
Di-n-octyl phthalate
Concen: 4.742 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:149 Resp: 36708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 12.0 | 10.6 | 16.0 |



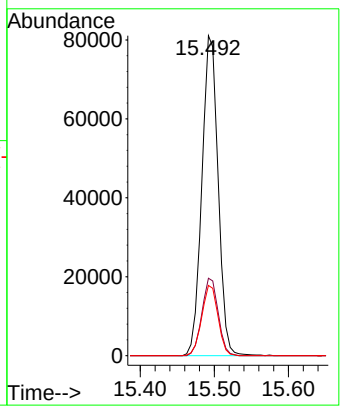


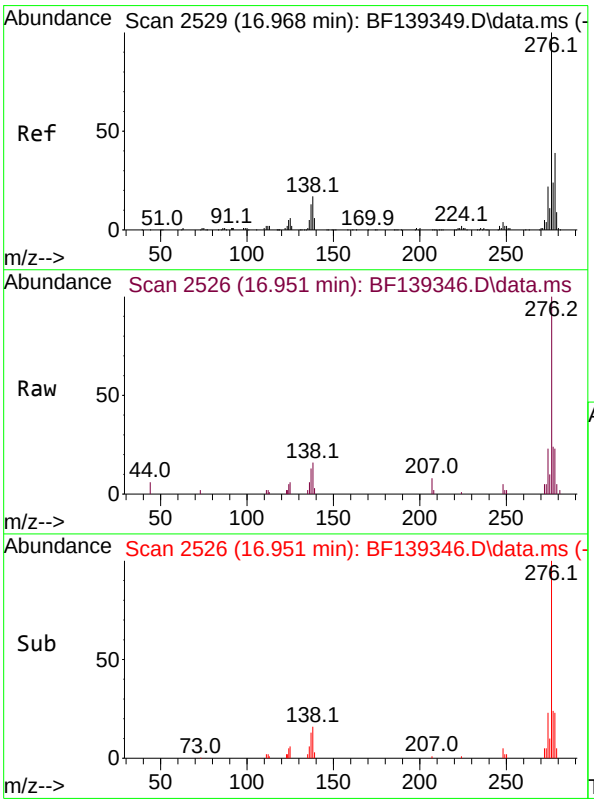

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:264 Resp: 123378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.5 | 29.3 |
| 265 | 21.9 | 16.6 | 25.0 |

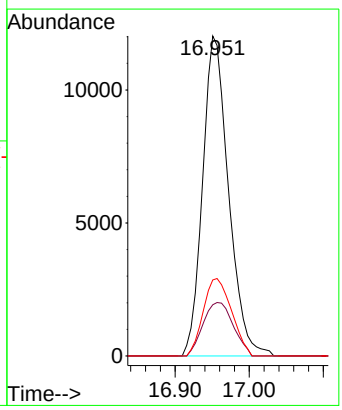


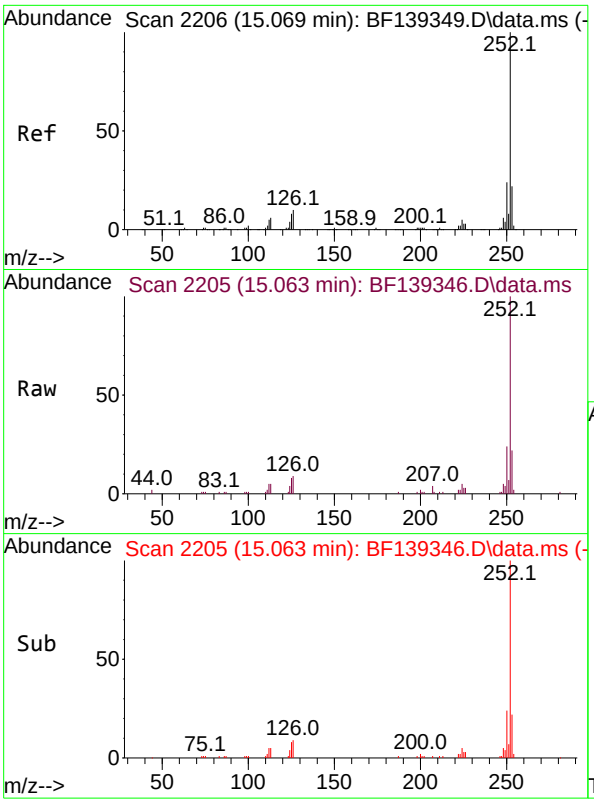




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.790 ng
RT: 16.951 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:276 Resp: 29213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.5 | 15.4 | 23.2 |
| 277 | 26.4 | 20.4 | 30.6 |



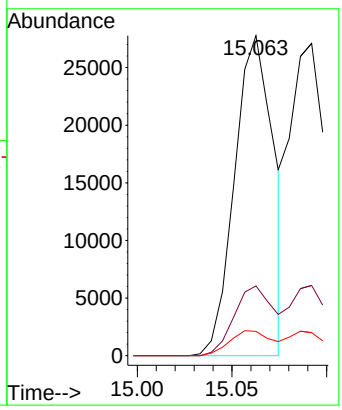


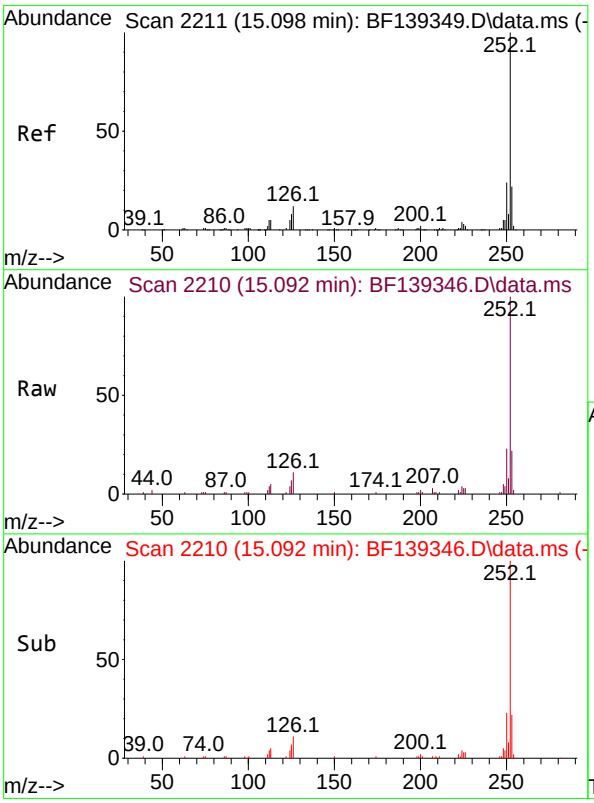

#88
Benzo(b)fluoranthene
Concen: 5.573 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:252 Resp: 39600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 7.6 | 6.2 | 9.2 |

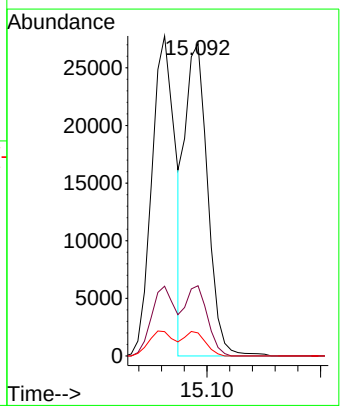


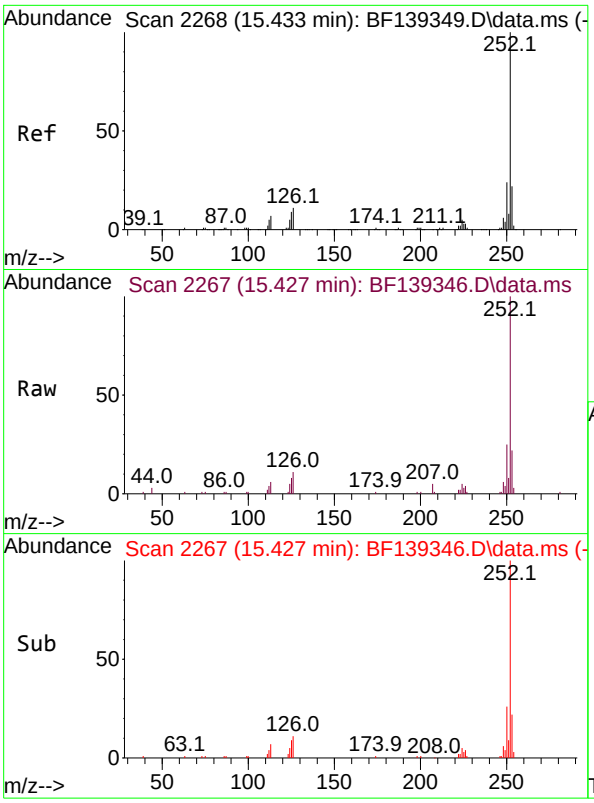




#89
Benzo(k)fluoranthene
Concen: 5.910 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:252 Resp: 37654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.3 | 25.9 |
| 125 | 7.4 | 5.9 | 8.9 |



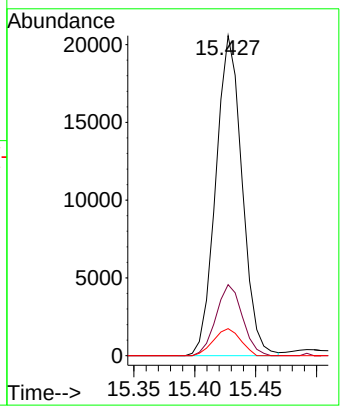


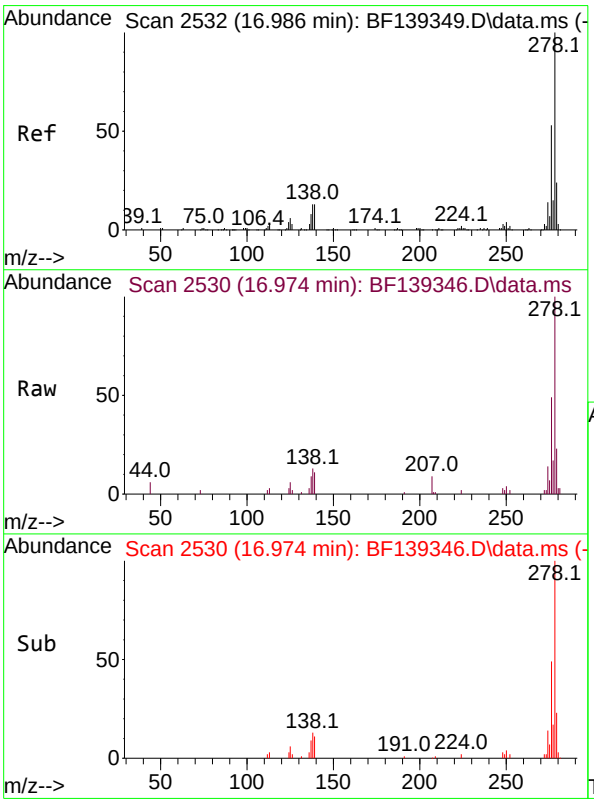

#90
Benzo(a)pyrene
Concen: 5.124 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:252 Resp: 30914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.3 | 25.9 |
| 125 | 8.5 | 6.8 | 10.2 |

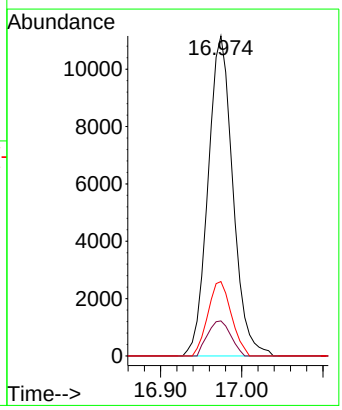


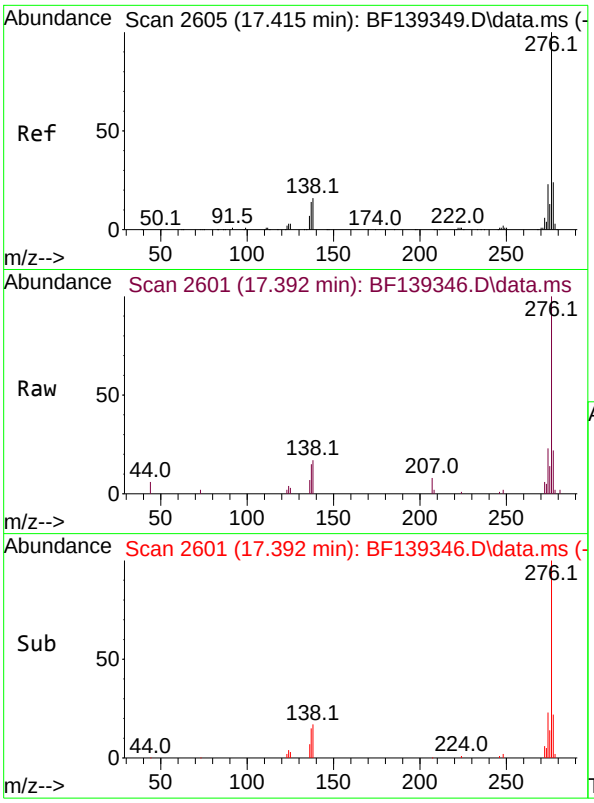




#91
Dibenzo(a,h)anthracene
Concen: 3.738 ng
RT: 16.974 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

Tgt Ion:278 Resp: 23740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.0 | 10.2 | 15.2 |
| 279 | 23.2 | 18.9 | 28.3 |



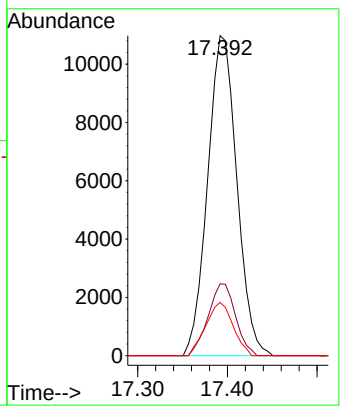



#92
Benzo(g,h,i)perylene
Concen: 3.789 ng
RT: 17.392 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF139346.D
Acq: 13 Sep 2024 15:00

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

Tgt Ion:276 Resp: 24841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.5 | 18.9 | 28.3 |
| 138 | 16.6 | 13.0 | 19.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139347.D
Acq On : 13 Sep 2024 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 53717 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 201664 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 115245 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 222099 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 158199 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.492 | 264 | 122502 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 65675 | 20.453 | ng | | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 87242 | 20.352 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 83657 | 21.581 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 23249 | 23.362 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 161282 | 21.603 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.974 | 244 | 178386 | 18.206 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 13534 | 9.051 | ng | | 97 |
| 3) Pyridine | 3.416 | 79 | 29605 | 8.202 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.352 | 42 | 24984 | 10.659 | ng | | 97 |
| 6) Aniline | 6.534 | 93 | 33088 | 8.394 | ng | | 97 |
| 8) 2-Chlorophenol | 6.657 | 128 | 34776 | 10.450 | ng | | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 28274 | 10.896 | ng | | 99 |
| 10) Phenol | 6.510 | 94 | 45862 | 10.143 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 31623 | 9.762 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 39989 | 10.616 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.893 | 146 | 39300 | 10.424 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 37222 | 10.586 | ng | | 100 |
| 15) Benzyl Alcohol | 7.010 | 79 | 35102 | 11.228 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 52944 | 8.586 | ng | | 100 |
| 17) 2-Methylphenol | 7.122 | 107 | 26846 | 9.876 | ng | | 99 |
| 18) Hexachloroethane | 7.387 | 117 | 15219 | 11.302 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 25559 | 10.352 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 36485 | 10.649 | ng | # | 88 |
| 22) Acetophenone | 7.281 | 105 | 51367 | 10.692 | ng | | 97 |
| 24) Nitrobenzene | 7.451 | 77 | 43986 | 10.691 | ng | | 98 |
| 25) Isophorone | 7.692 | 82 | 67599 | 10.200 | ng | | 99 |
| 26) 2-Nitrophenol | 7.769 | 139 | 15797 | 9.775 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 22063 | 9.573 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 38096 | 9.648 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 28500 | 10.328 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 33349 | 10.582 | ng | | 99 |
| 31) Naphthalene | 8.181 | 128 | 104653 | 10.248 | ng | | 100 |
| 32) Benzoic acid | 7.875 | 122 | 18593 | 8.857 | ng | | 92 |
| 33) 4-Chloroaniline | 8.228 | 127 | 32939 | 9.315 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 23282 | 11.658 | ng | | 98 |
| 35) Caprolactam | 8.563 | 113 | 8646 | 10.121 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 31957 | 10.627 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 65040 | 10.179 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 65274 | 10.387 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 32822 | 10.066 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 11284 | 10.768 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 21505 | 10.080 | ng | | 96 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139347.D
Acq On : 13 Sep 2024 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

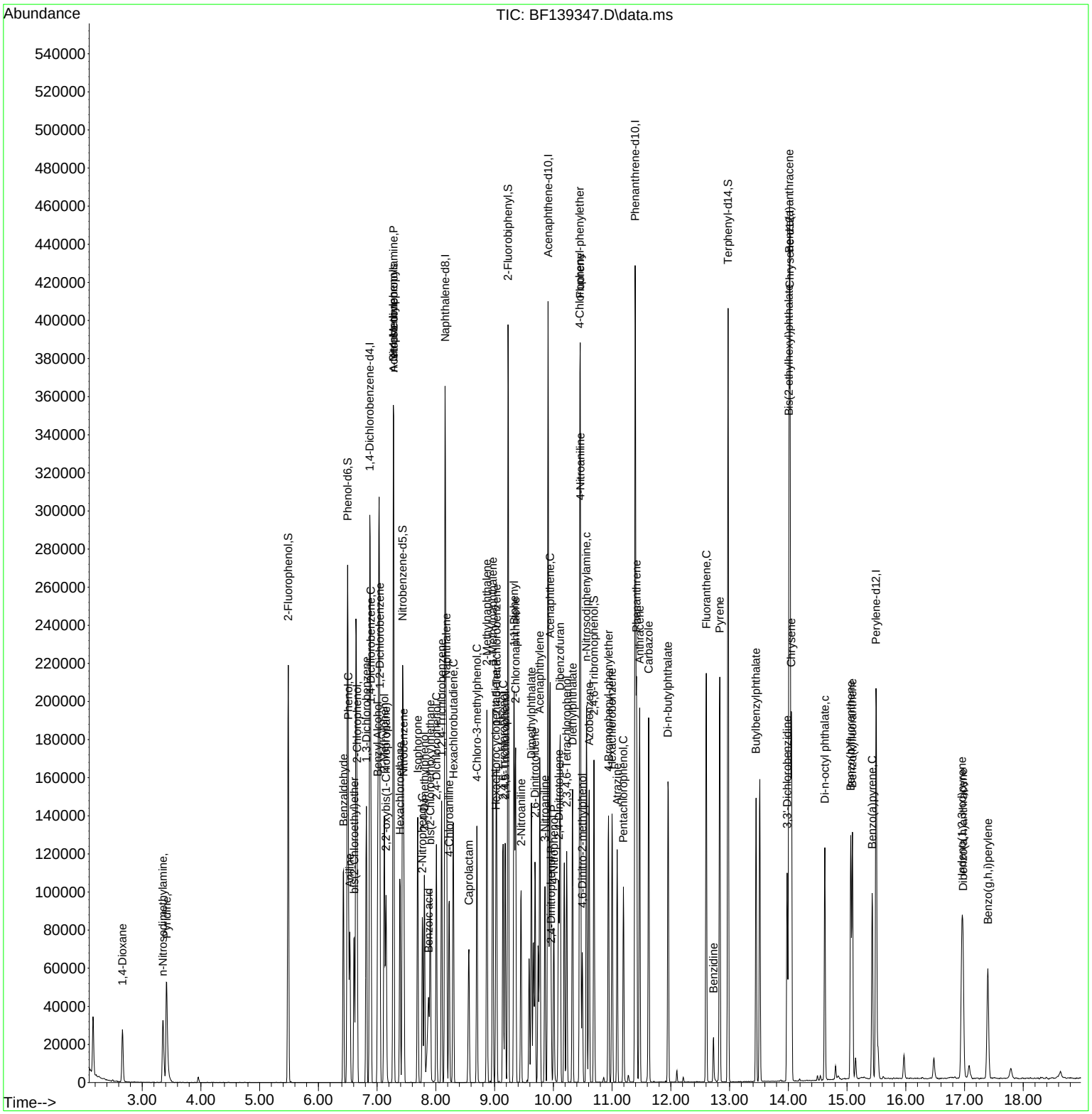
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 22415 | 10.026 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 85183 | 9.976 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 63947 | 9.918 | ng | | 98 |
| 48) 2-Nitroaniline | 9.451 | 65 | 23443 | 10.556 | ng | | 94 |
| 49) Acenaphthylene | 9.769 | 152 | 98269 | 10.120 | ng | | 99 |
| 50) Dimethylphthalate | 9.628 | 163 | 73968 | 10.590 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 15845 | 9.999 | ng | | 91 |
| 52) Acenaphthene | 9.945 | 154 | 65732 | 10.206 | ng | | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 15917 | 9.428 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 6191 | 9.124 | ng | # | 82 |
| 55) Dibenzofuran | 10.116 | 168 | 96142 | 10.412 | ng | | 98 |
| 56) 4-Nitrophenol | 10.010 | 139 | 13161 | 10.561 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 21031 | 10.427 | ng | | 99 |
| 58) Fluorene | 10.457 | 166 | 76225 | 10.647 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232 | 18817 | 10.693 | ng | | 99 |
| 60) Diethylphthalate | 10.328 | 149 | 74418 | 10.826 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 36753 | 10.645 | ng | | 99 |
| 62) 4-Nitroaniline | 10.463 | 138 | 18177 | 11.310 | ng | | 95 |
| 63) Azobenzene | 10.610 | 77 | 74109 | 10.229 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 10162 | 9.902 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.563 | 169 | 62625 | 9.687 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 20673 | 9.594 | ng | | 98 |
| 68) Hexachlorobenzene | 10.998 | 284 | 25459 | 10.320 | ng | | 96 |
| 69) Atrazine | 11.086 | 200 | 18272 | 12.250 | ng | | 98 |
| 70) Pentachlorophenol | 11.192 | 266 | 14381 | 10.092 | ng | | 99 |
| 71) Phenanthrene | 11.416 | 178 | 103026 | 9.930 | ng | | 99 |
| 72) Anthracene | 11.469 | 178 | 100952 | 9.960 | ng | | 99 |
| 73) Carbazole | 11.622 | 167 | 99653 | 10.520 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 107918 | 11.126 | ng | | 100 |
| 75) Fluoranthene | 12.604 | 202 | 121289 | 11.660 | ng | | 99 |
| 77) Benzidine | 12.727 | 184 | 14345 | 4.503 | ng | | 98 |
| 78) Pyrene | 12.833 | 202 | 123993 | 8.114 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 43639 | 12.130 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.016 | 228 | 101798 | 10.077 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 30382 | 11.325 | ng | | 99 |
| 83) Chrysene | 14.051 | 228 | 95429 | 10.122 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 56206 | 13.311 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 75430 | 9.330 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.957 | 276 | 62757 | 8.200 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.063 | 252 | 72770 | 10.315 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 74218 | 11.733 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.427 | 252 | 60345 | 10.073 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.974 | 278 | 51908 | 8.231 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.398 | 276 | 51824 | 7.961 | ng | | 98 |

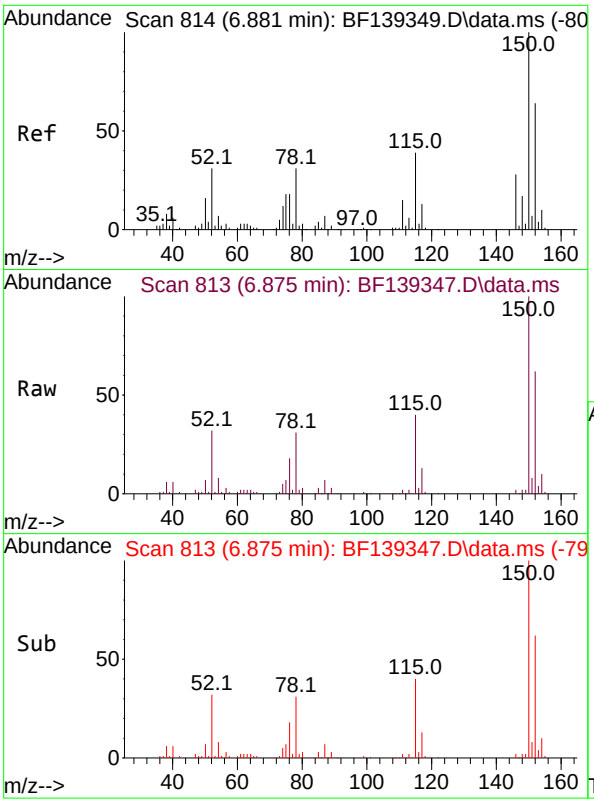
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139347.D
Acq On : 13 Sep 2024 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 14 02:14:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration



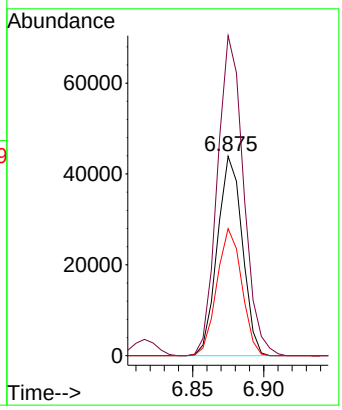


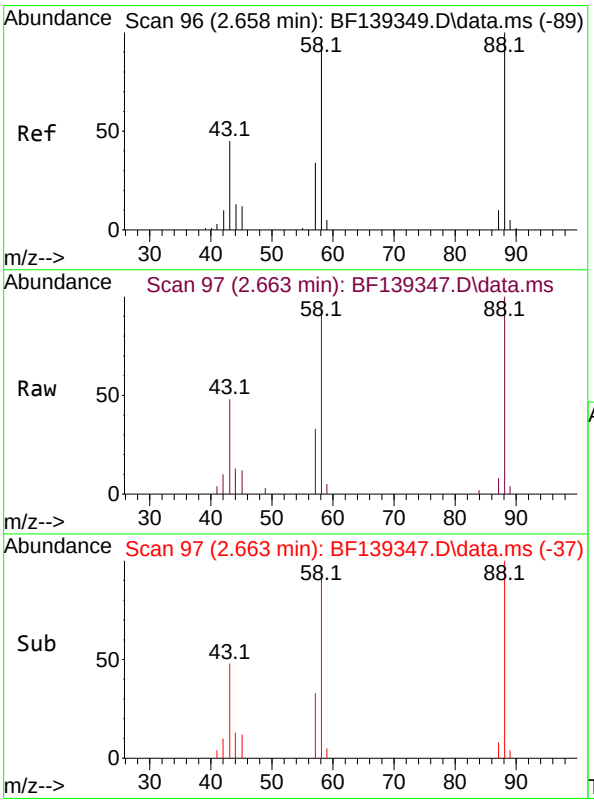

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:152 Resp: 53717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 124.1 | 186.1 |
| 115 | 63.7 | 48.1 | 72.1 |

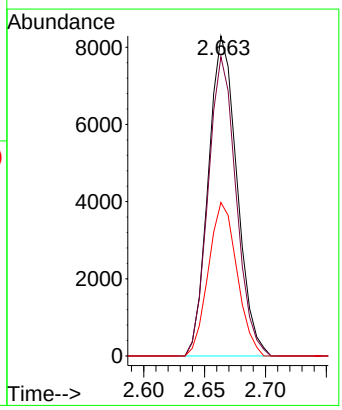


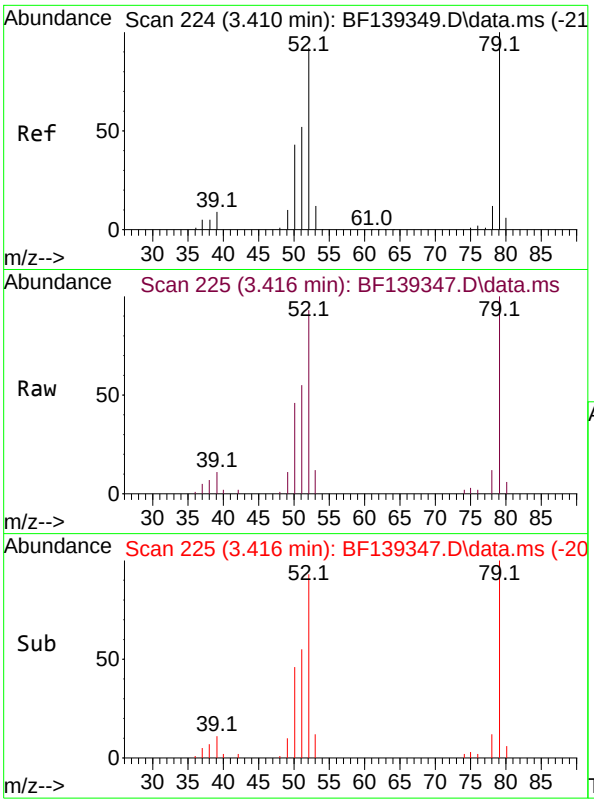




#2
1,4-Dioxane
Concen: 9.051 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 88 Resp: 13534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 91.3 | 74.8 | 112.2 |
| 43 | 47.9 | 36.4 | 54.6 |



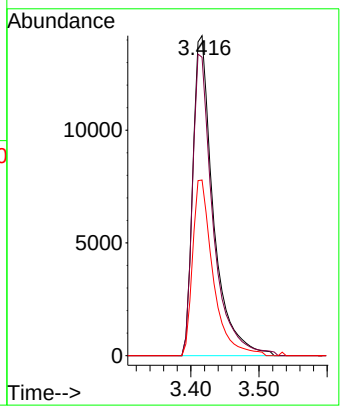


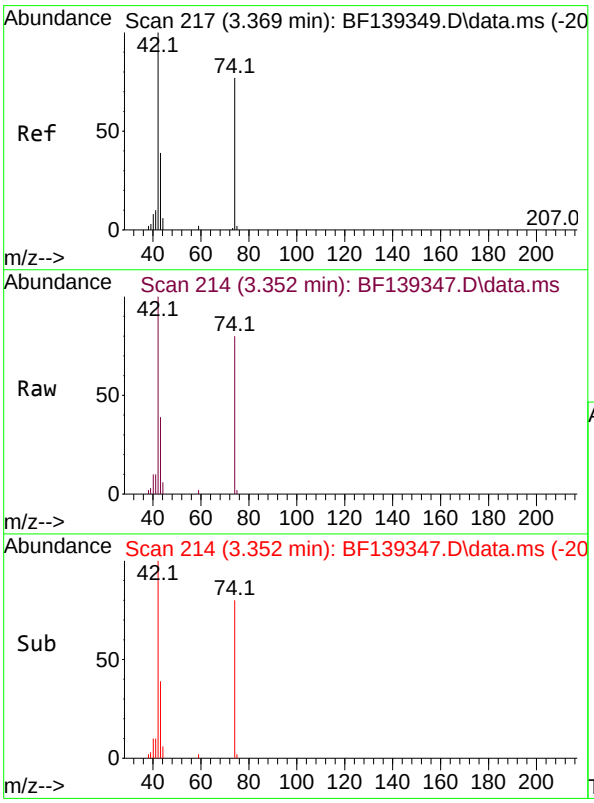

#3
Pyridine
Concen: 8.202 ng
RT: 3.416 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 79 Resp: 29605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.3 | 73.8 | 110.8 |
| 51 | 54.9 | 41.8 | 62.6 |

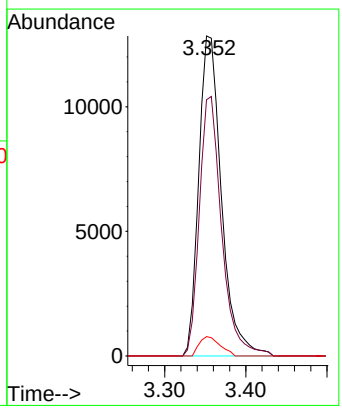


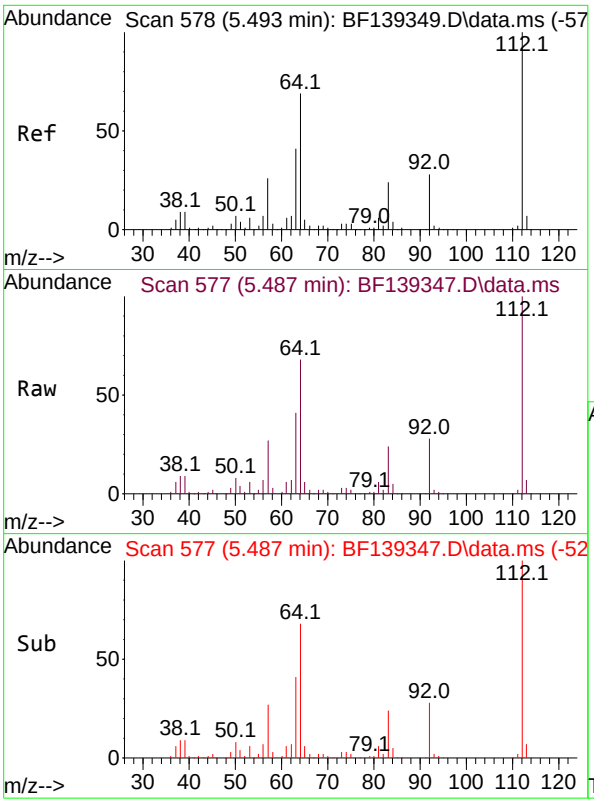




#4
n-Nitrosodimethylamine
Concen: 10.659 ng
RT: 3.352 min Scan# 214
Delta R.T. -0.018 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 42 Resp: 24984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 80.1 | 61.8 | 92.8 |
| 44 | 6.1 | 4.8 | 7.2 |



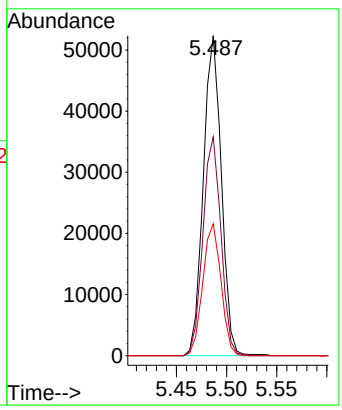


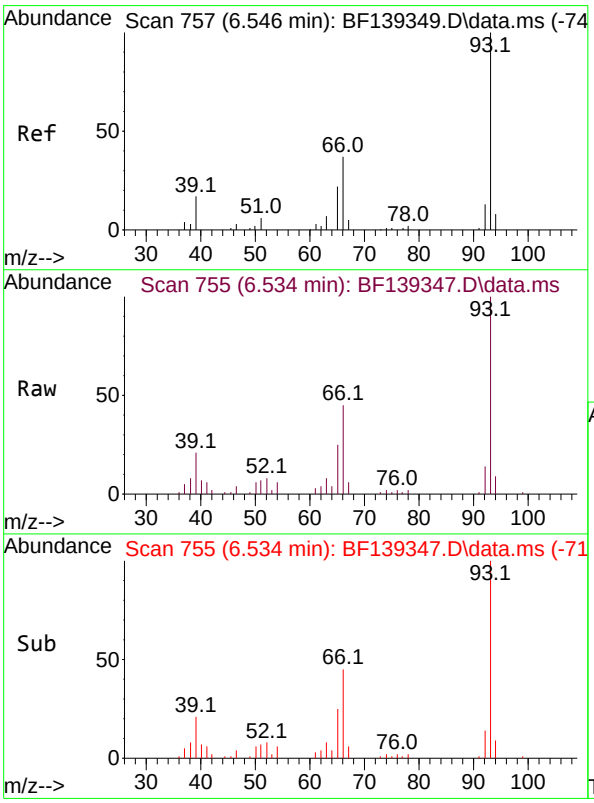

#5
2-Fluorophenol
Concen: 20.453 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:112 Resp: 65675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.4 | 54.8 | 82.2 |
| 63 | 41.2 | 33.0 | 49.4 |

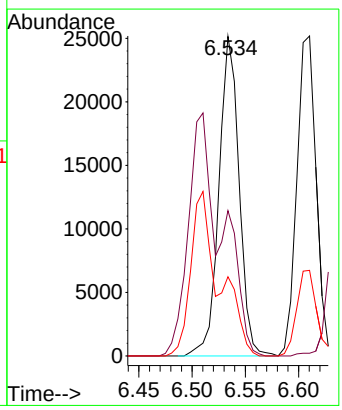


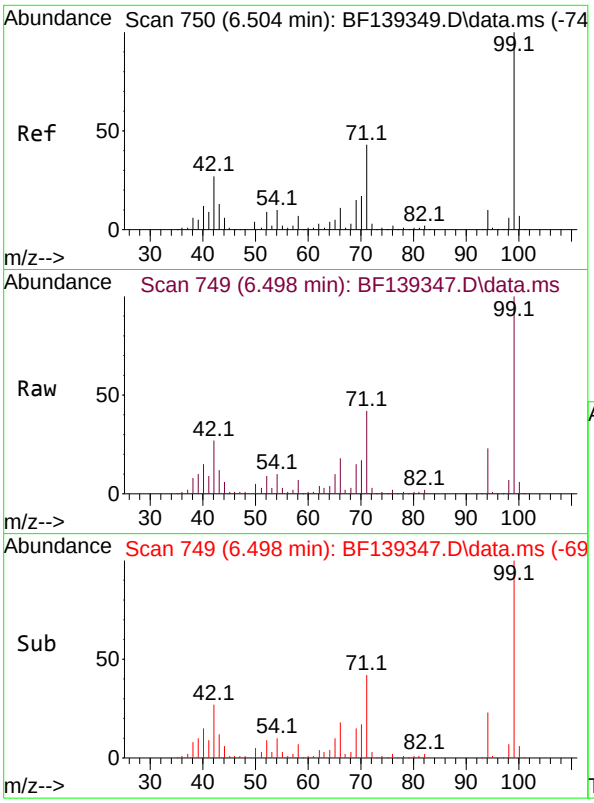




#6
Aniline
Concen: 8.394 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.035 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 93 Resp: 33088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 45.5 | 35.4 | 53.0 |
| 65 | 24.8 | 18.2 | 27.4 |



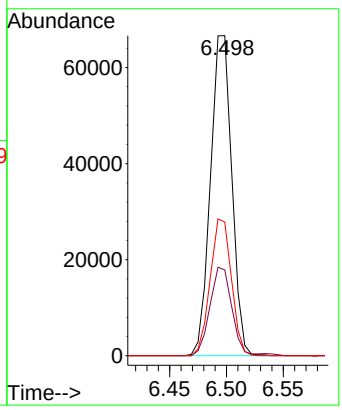


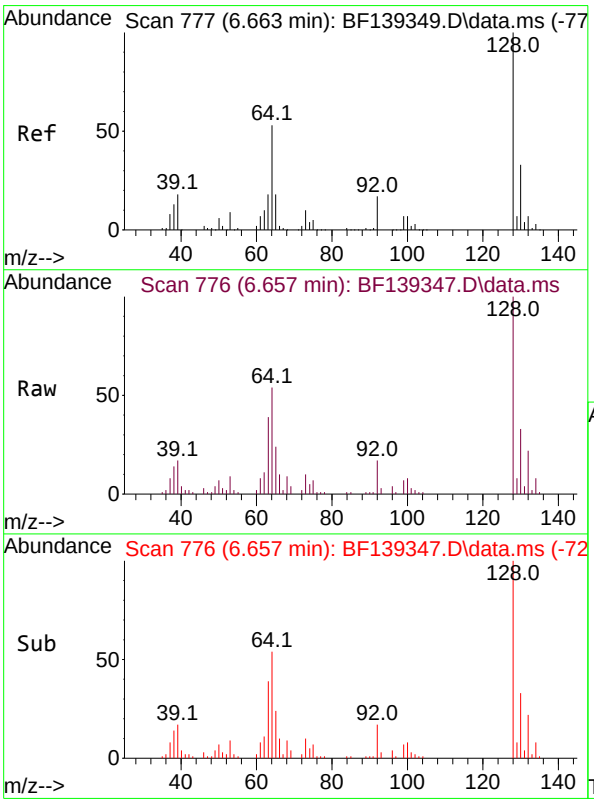

#7
Phenol-d6
Concen: 20.352 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 99 Resp: 87242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.8 | 21.9 | 32.9 |
| 71 | 41.7 | 34.6 | 52.0 |

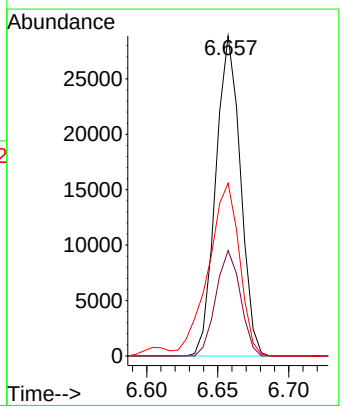


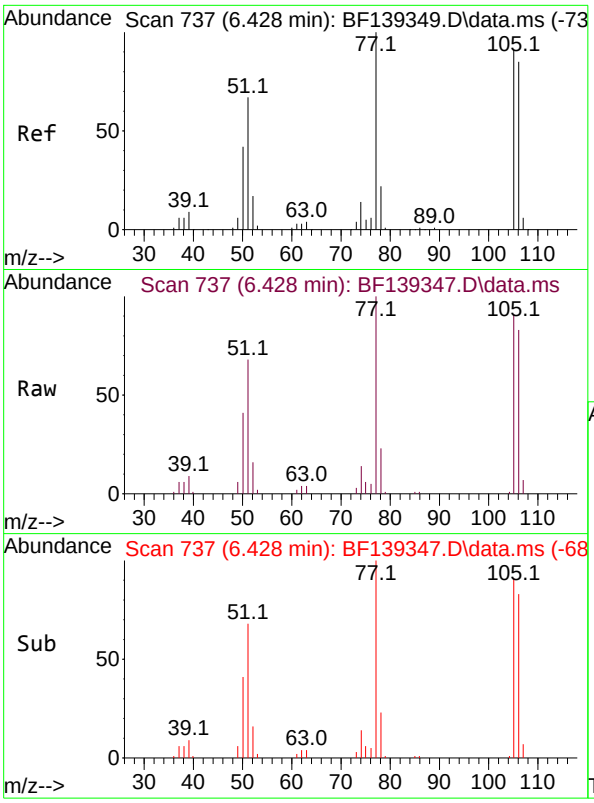




#8
2-Chlorophenol
Concen: 10.450 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:128 Resp: 34776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.8 | 52.8 |
| 64 | 54.0 | 35.1 | 75.1 |



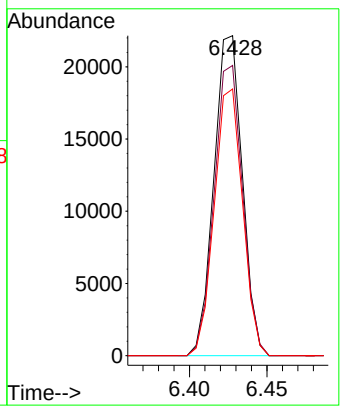


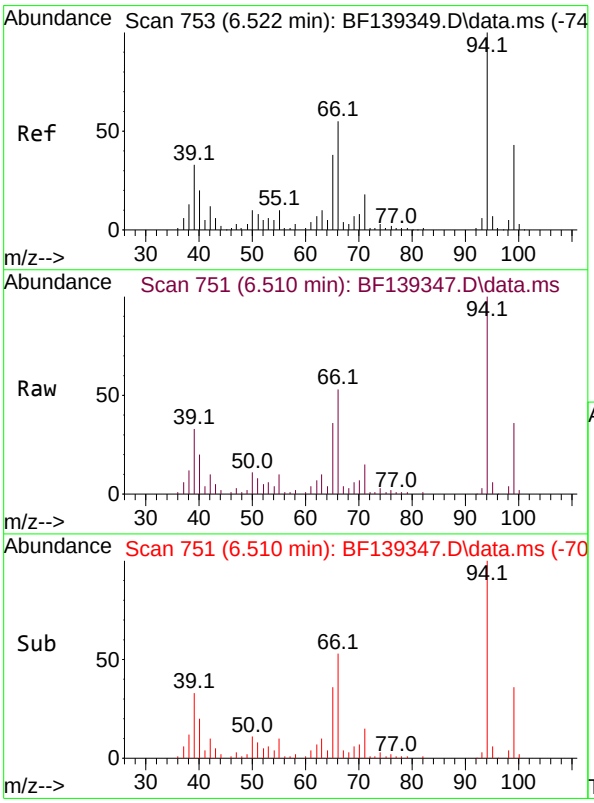

#9
Benzaldehyde
Concen: 10.896 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 77 Resp: 28274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.7 | 71.0 | 111.0 |
| 106 | 83.4 | 64.9 | 104.9 |

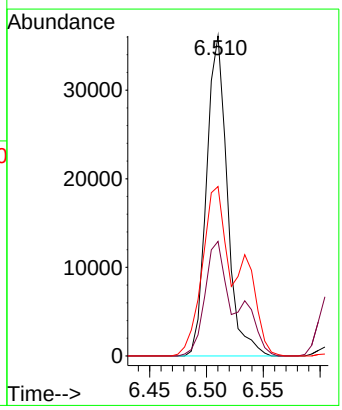


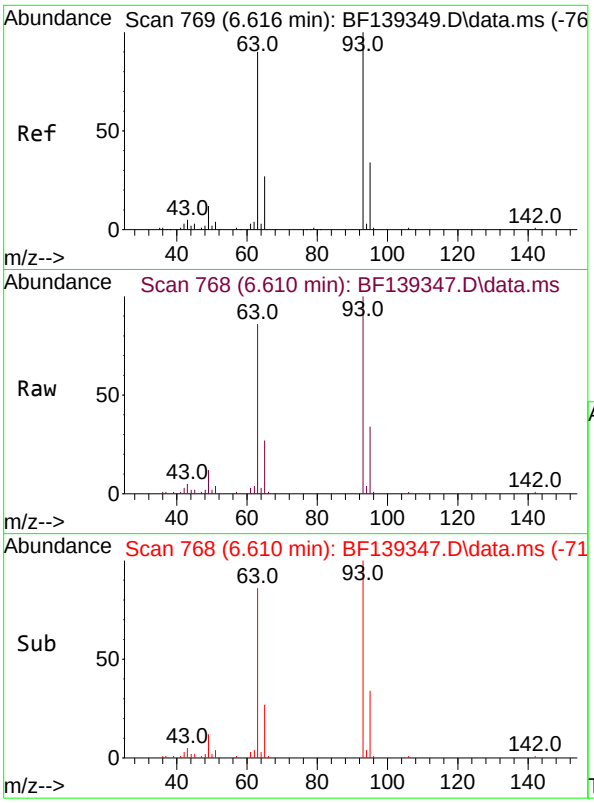




#10
Phenol
Concen: 10.143 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 94 Resp: 45862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 35.8 | 17.6 | 57.6 |
| 66 | 53.0 | 35.2 | 75.2 |



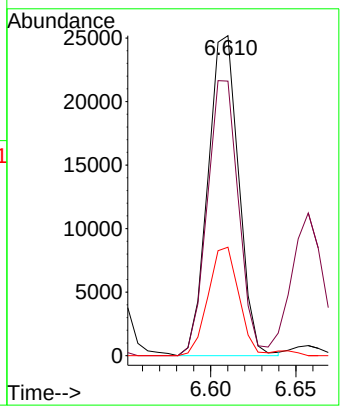


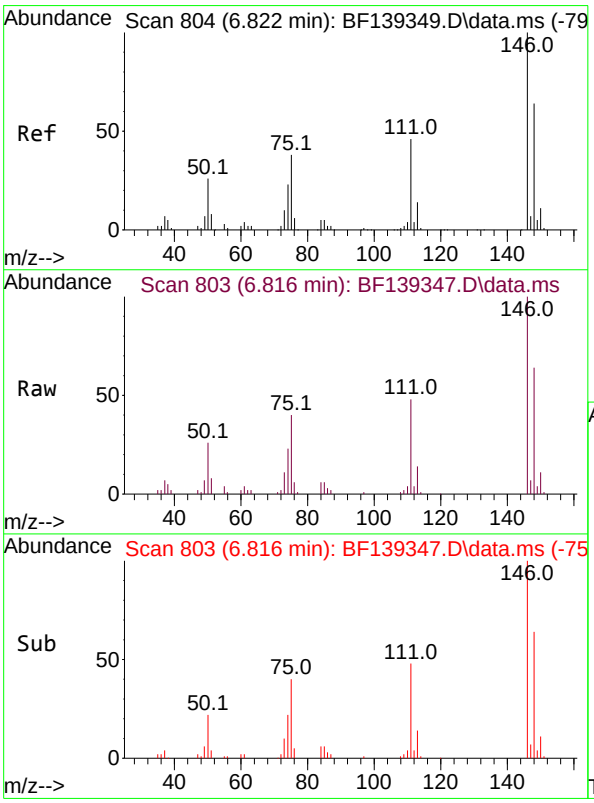

#11
bis(2-Chloroethyl)ether
Concen: 9.762 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 93 Resp: 31623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.8 | 65.3 | 105.3 |
| 95 | 33.9 | 12.4 | 52.4 |

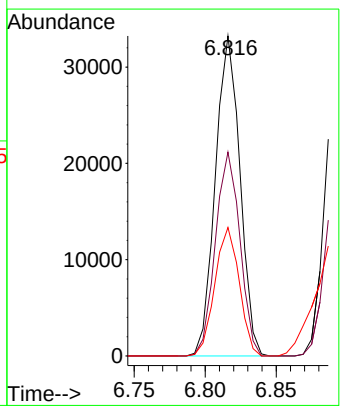


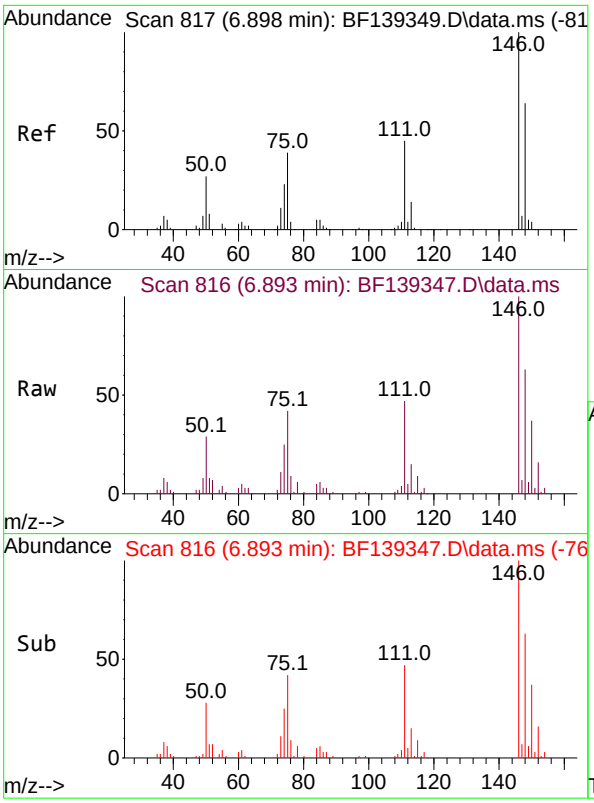




#12
1,3-Dichlorobenzene
Concen: 10.616 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:146 Resp: 39989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.2 | 76.8 |
| 75 | 40.1 | 30.6 | 46.0 |



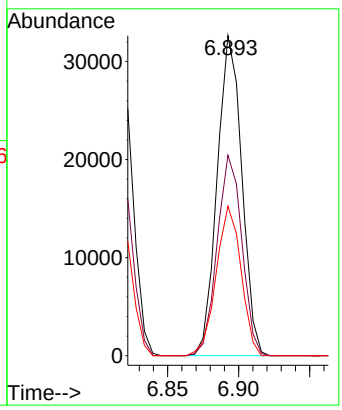


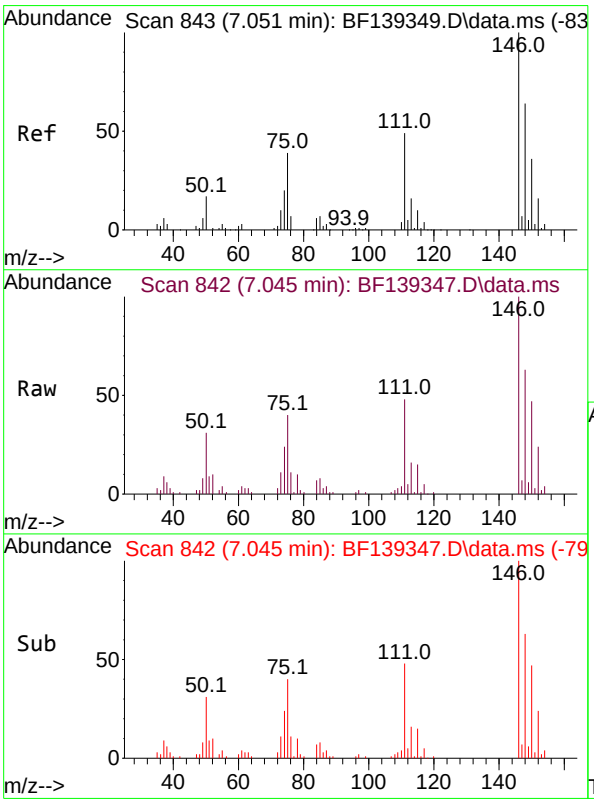

#13
1,4-Dichlorobenzene
Concen: 10.424 ng
RT: 6.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:146 Resp: 39300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 50.9 | 76.3 |
| 111 | 46.7 | 36.3 | 54.5 |

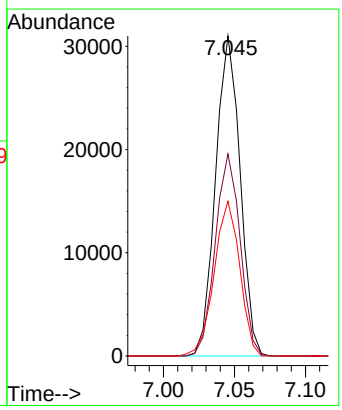


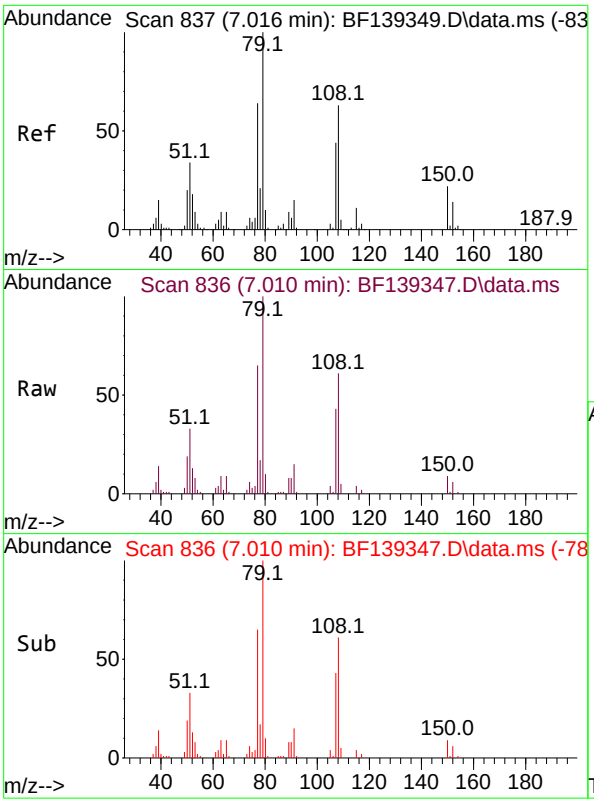




#14
1,2-Dichlorobenzene
Concen: 10.586 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:146 Resp: 37222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 50.9 | 76.3 |
| 111 | 48.4 | 38.9 | 58.3 |



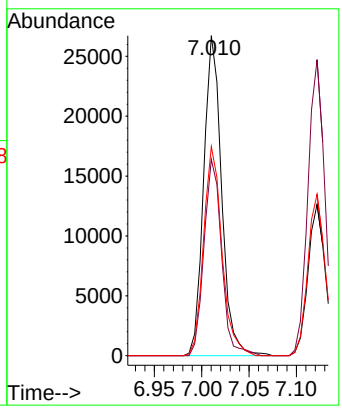


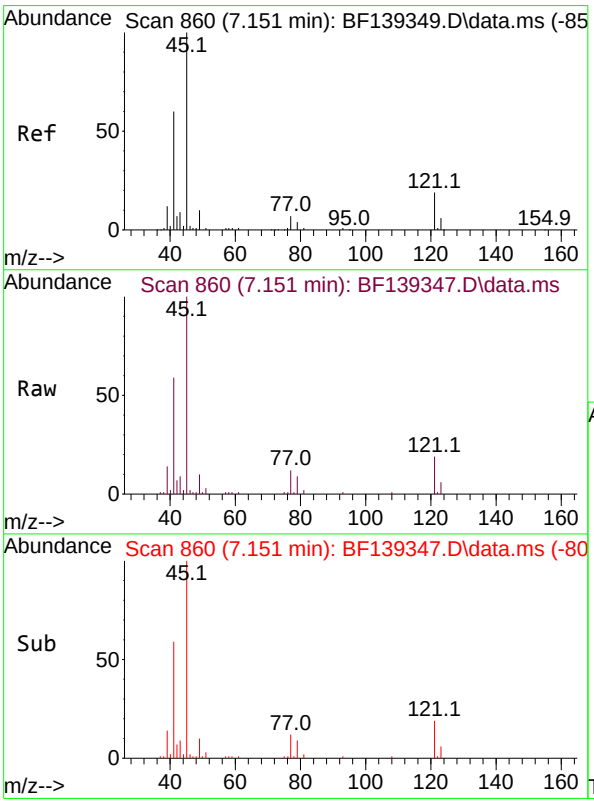

#15
Benzyl Alcohol
Concen: 11.228 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 79 Resp: 35102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 61.3 | 50.4 | 75.6 |
| 77 | 65.4 | 51.4 | 77.2 |

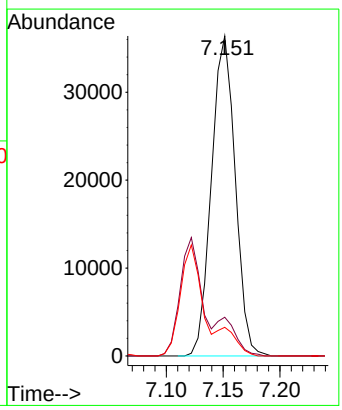


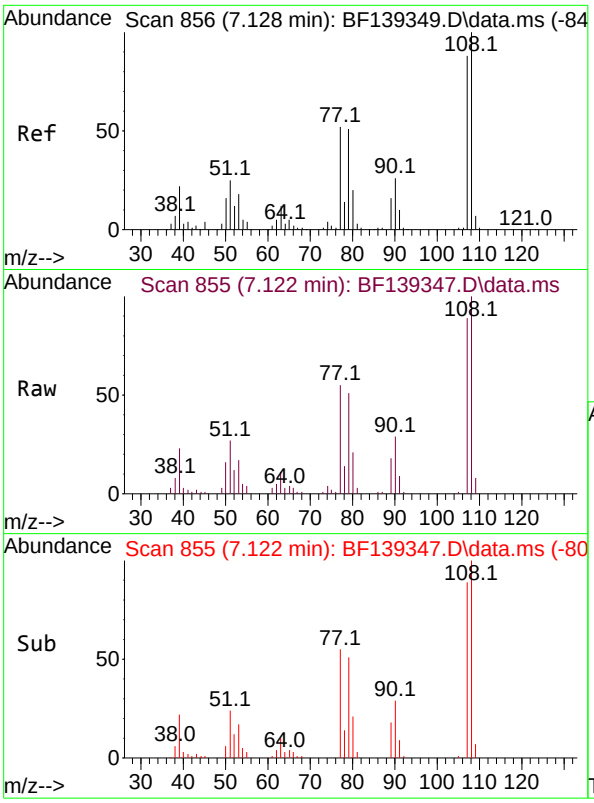




#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.586 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 45 Resp: 52944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.1 | 0.0 | 32.0 |
| 79 | 9.0 | 0.0 | 29.1 |



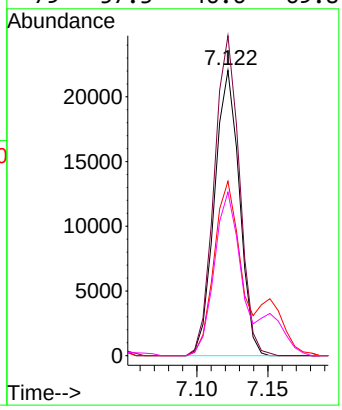


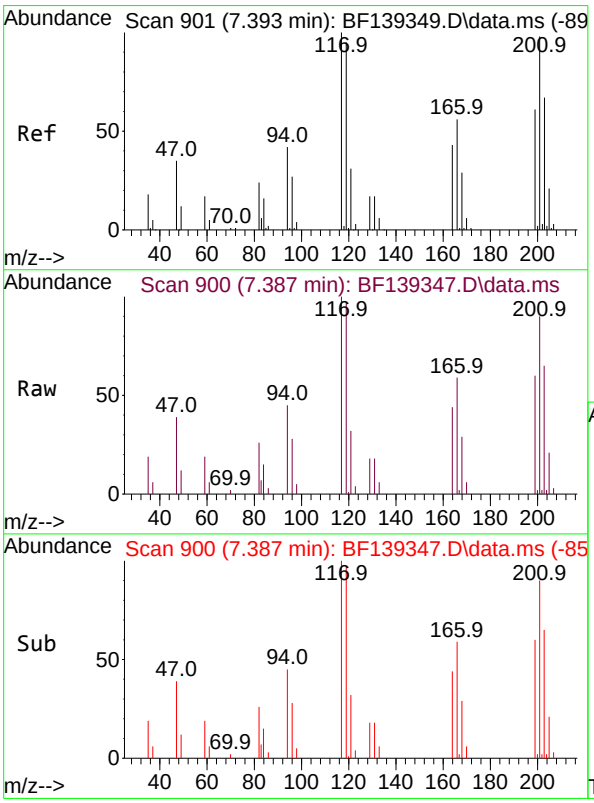

#17
2-Methylphenol
Concen: 9.876 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:107 Resp: 26846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.5 | 135.7 |
| 77 | 61.1 | 47.1 | 70.7 |
| 79 | 57.3 | 46.6 | 69.8 |

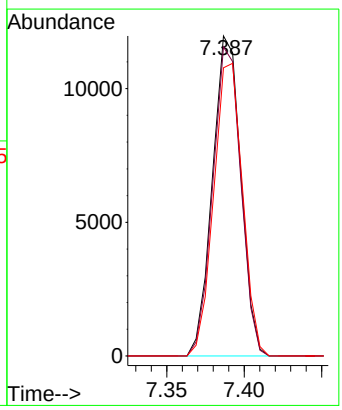


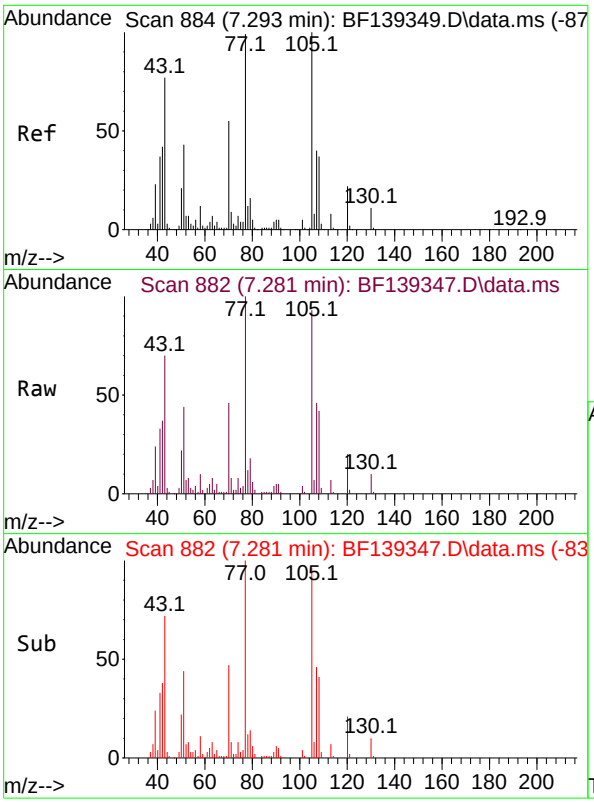




#18
Hexachloroethane
Concen: 11.302 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:117 Resp: 15219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 75.8 | 113.8 |
| 201 | 90.1 | 78.6 | 118.0 |



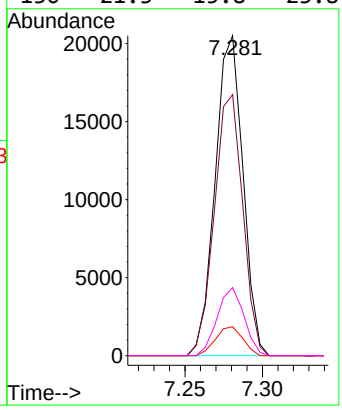


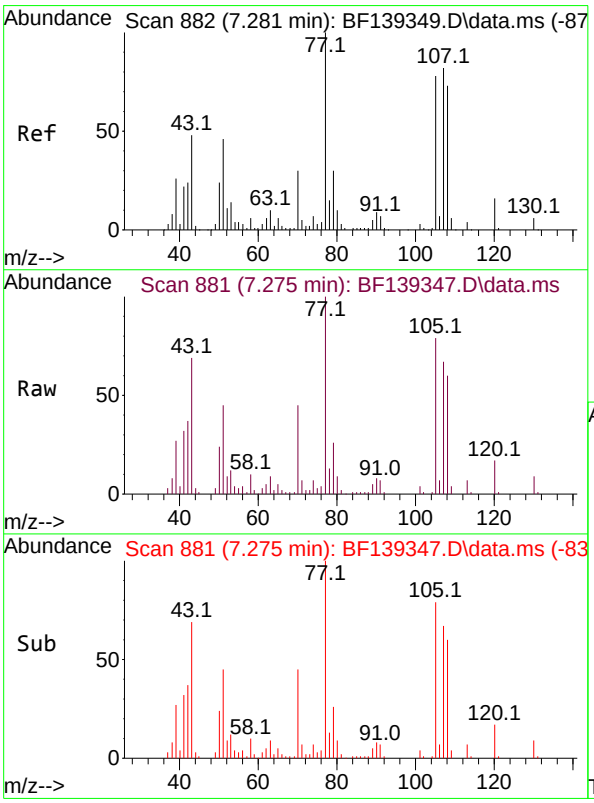

#19
n-Nitroso-di-n-propylamine
Concen: 10.352 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 70 Resp: 25559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 81.6 | 61.2 | 91.8 |
| 101 | 9.0 | 7.5 | 11.3 |
| 130 | 21.3 | 15.8 | 23.8 |

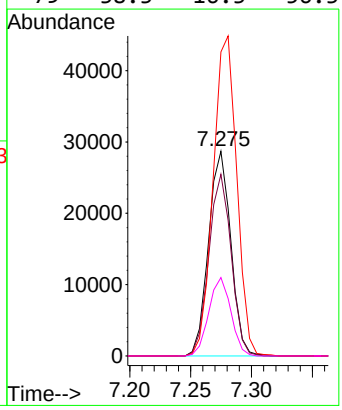


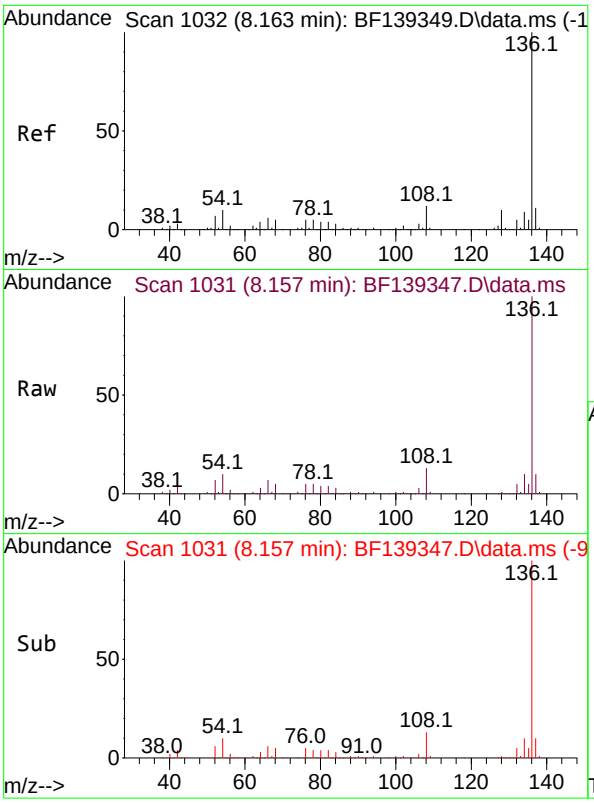




#20
3+4-Methylphenols
Concen: 10.649 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:107 Resp: 36485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 68.6 | 108.6 |
| 77 | 148.5 | 101.6 | 141.6# |
| 79 | 38.3 | 16.3 | 56.3 |



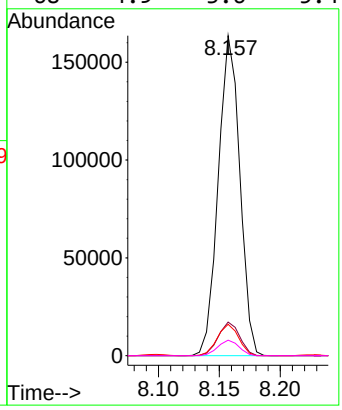


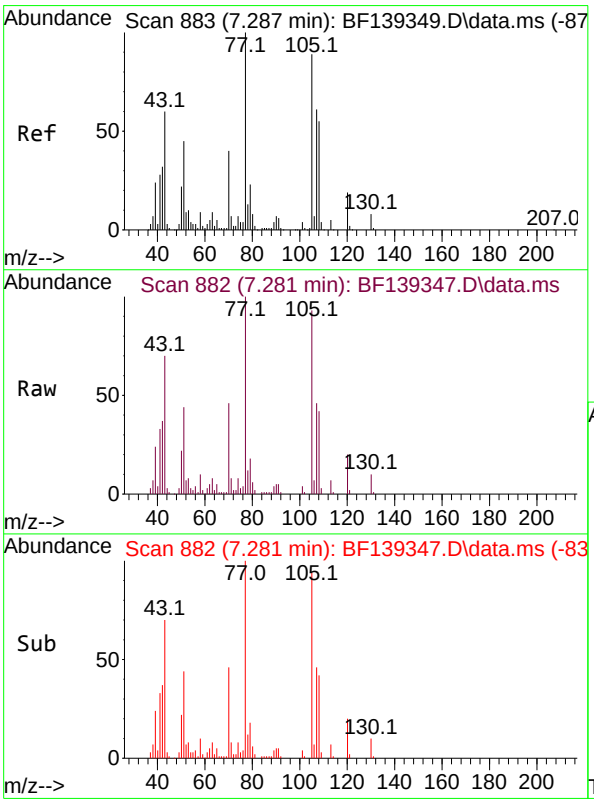

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:136 Resp: 201664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.9 | 3.6 | 5.4 |

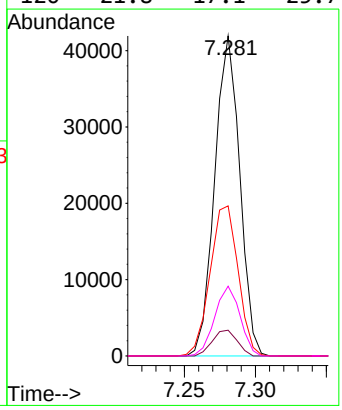


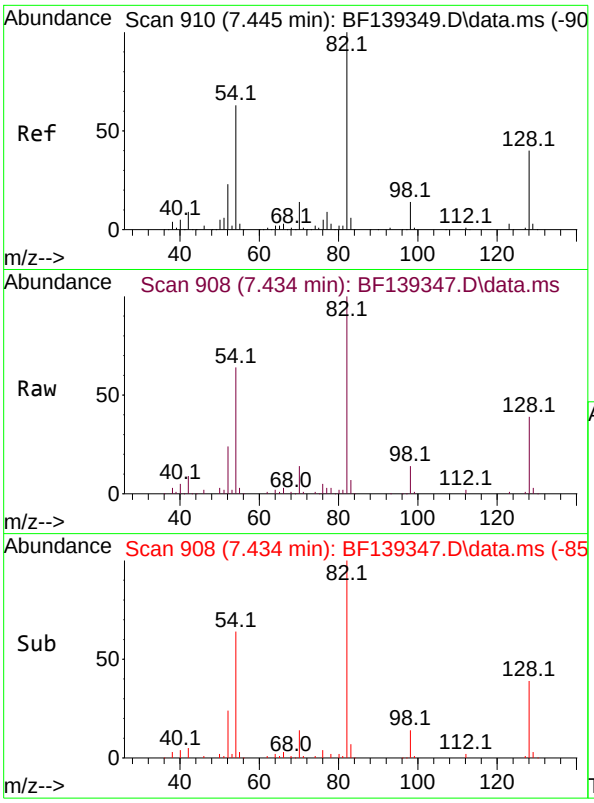




#22
Acetophenone
Concen: 10.692 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:105 Resp: 51367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.1 | 5.9 | 8.9 |
| 51 | 46.9 | 40.0 | 60.0 |
| 120 | 21.8 | 17.1 | 25.7 |



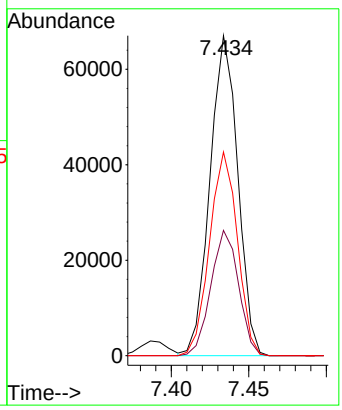


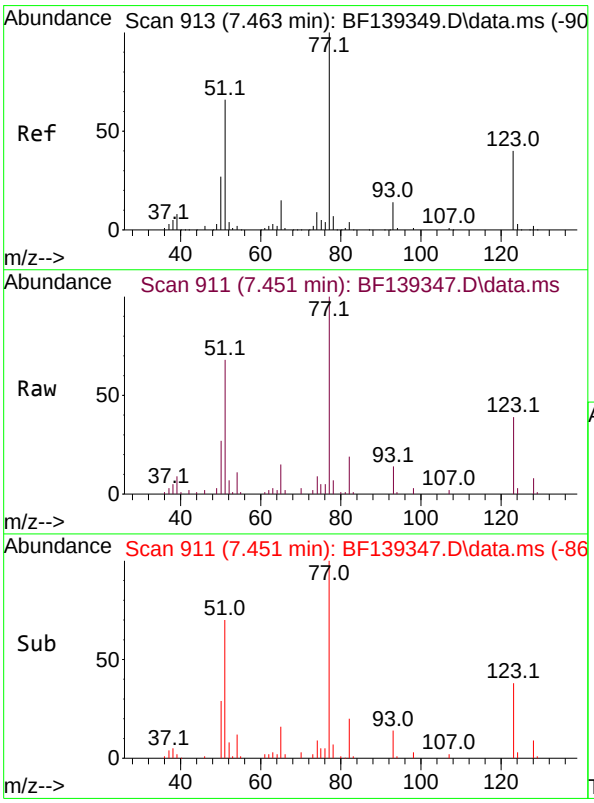

#23
Nitrobenzene-d5
Concen: 21.581 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 82 Resp: 83657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 31.8 | 47.6 |
| 54 | 63.6 | 50.6 | 75.8 |

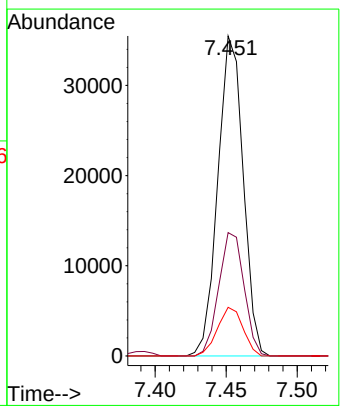


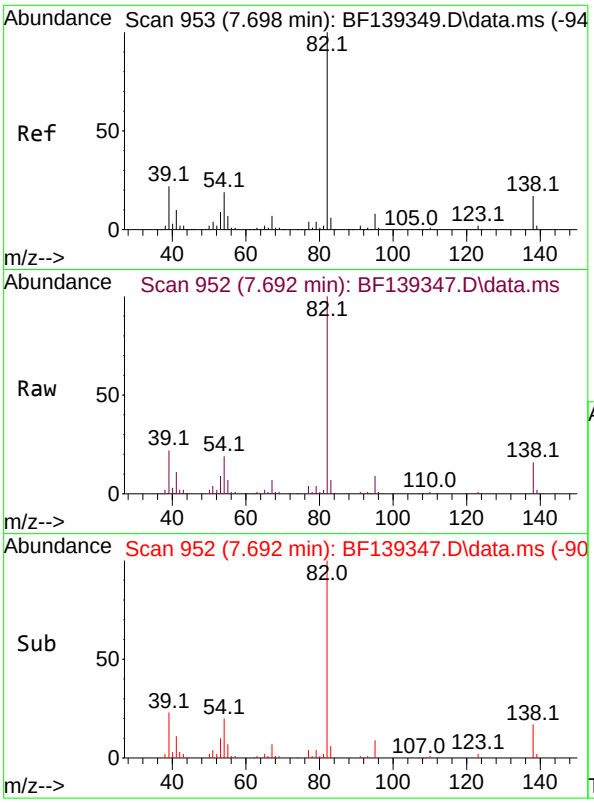




#24
Nitrobenzene
Concen: 10.691 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 77 Resp: 43986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 38.5 | 32.2 | 48.4 |
| 65 | 15.2 | 12.2 | 18.4 |



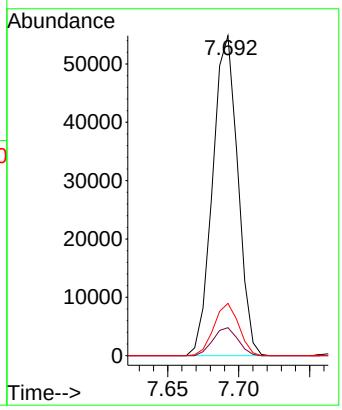


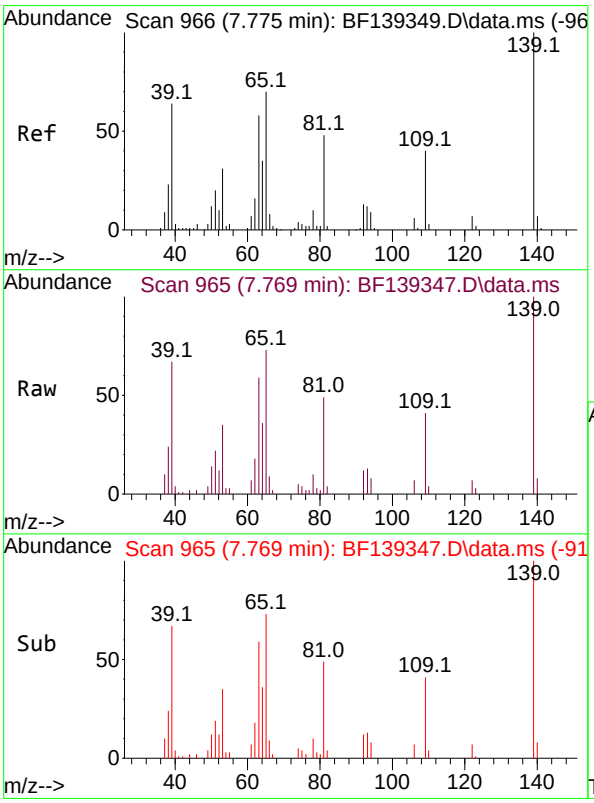

#25
Isophorone
Concen: 10.200 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 82 Resp: 67599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.7 | 6.7 | 10.1 |
| 138 | 16.3 | 13.3 | 19.9 |

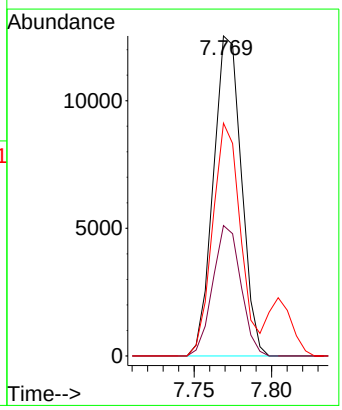


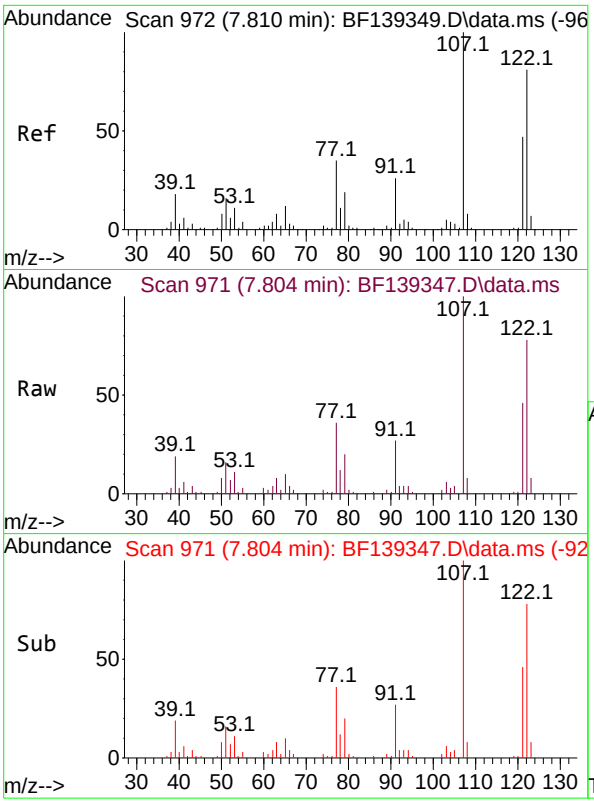




#26
2-Nitrophenol
Concen: 9.775 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:139 Resp: 15797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 40.8 | 32.2 | 48.2 |
| 65 | 72.7 | 55.8 | 83.8 |



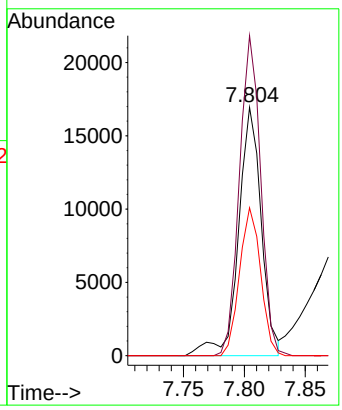


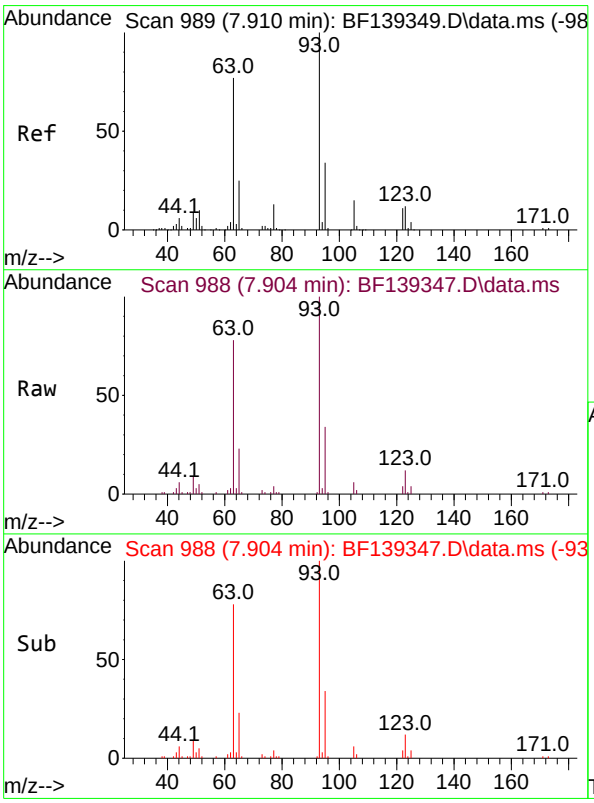

#27
2,4-Dimethylphenol
Concen: 9.573 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:122 Resp: 22063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 128.8 | 99.1 | 148.7 |
| 121 | 59.5 | 46.6 | 70.0 |

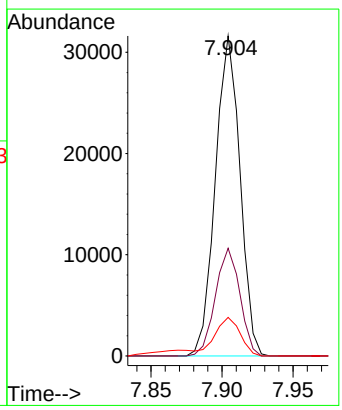


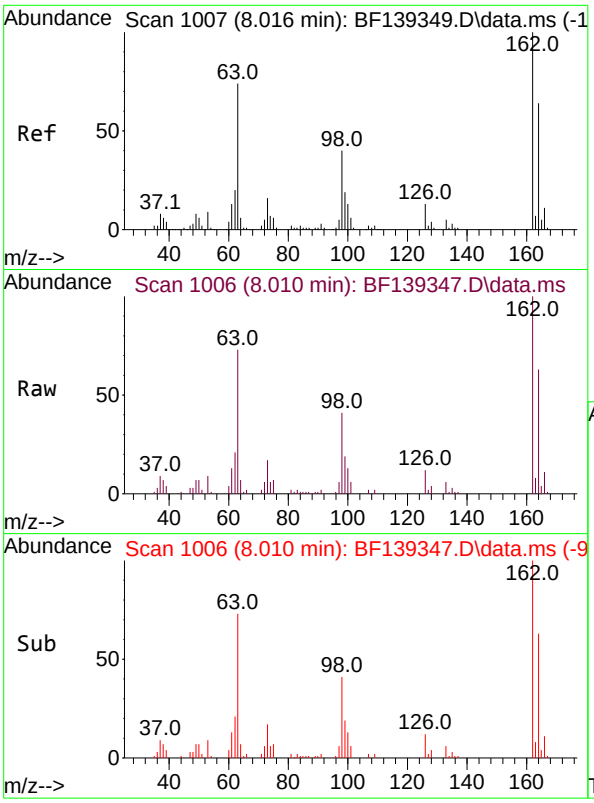




#28
bis(2-Chloroethoxy)methane
Concen: 9.648 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 93 Resp: 38096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.6 | 26.9 | 40.3 |
| 123 | 12.1 | 10.0 | 15.0 |



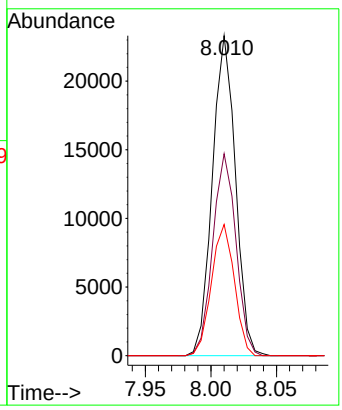


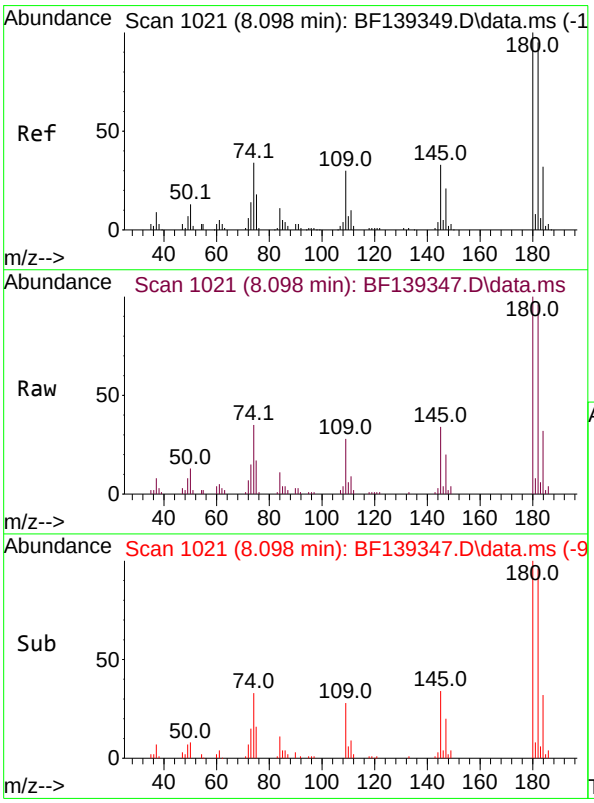

#29
2,4-Dichlorophenol
Concen: 10.328 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:162 Resp: 28500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.1 | 43.6 | 83.6 |
| 98 | 41.0 | 19.7 | 59.7 |

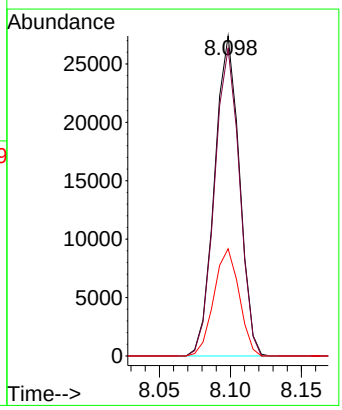


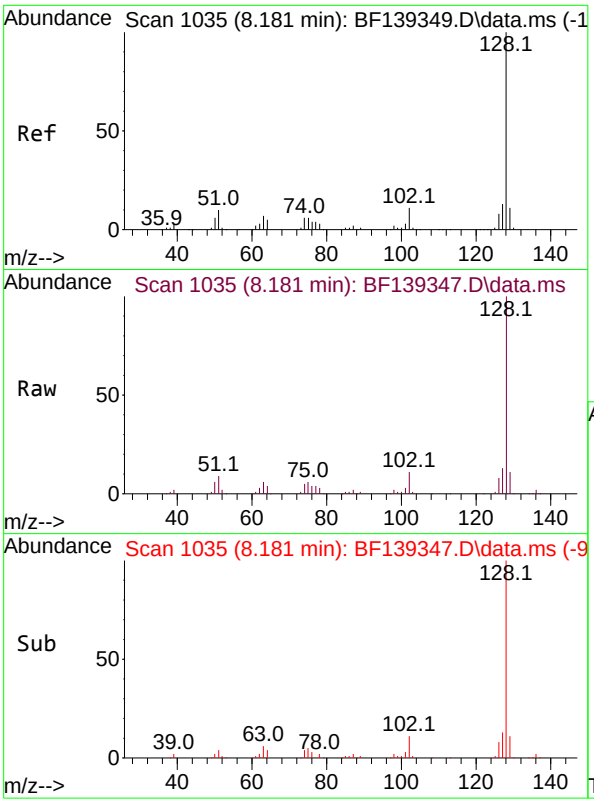




#30
1,2,4-Trichlorobenzene
Concen: 10.582 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:180 Resp: 33349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.7 | 113.5 |
| 145 | 33.5 | 26.5 | 39.7 |



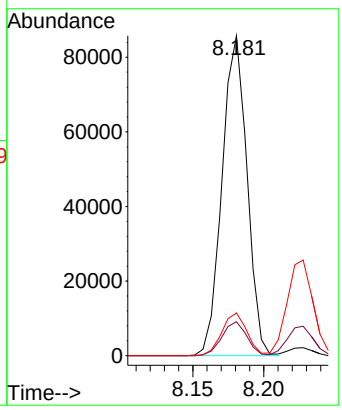


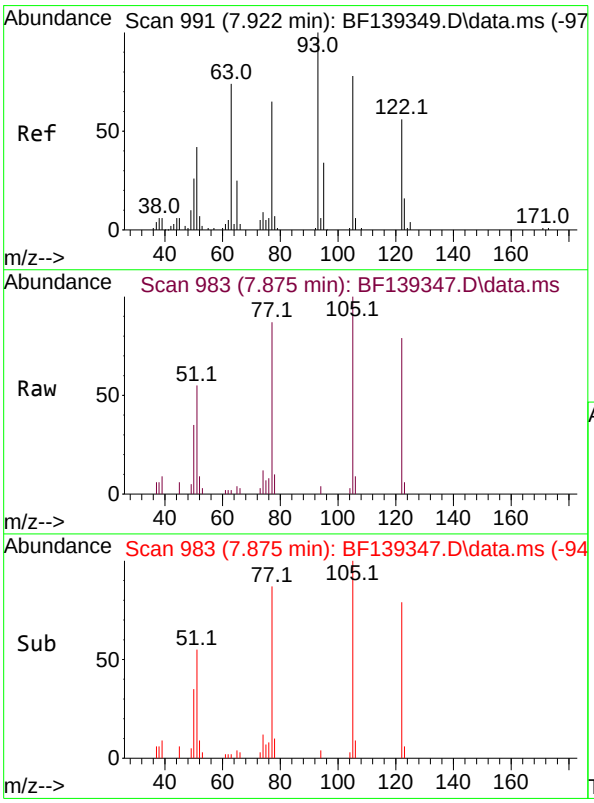

#31
Naphthalene
Concen: 10.248 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:128 Resp: 104653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.6 | 13.0 |
| 127 | 13.4 | 10.6 | 16.0 |

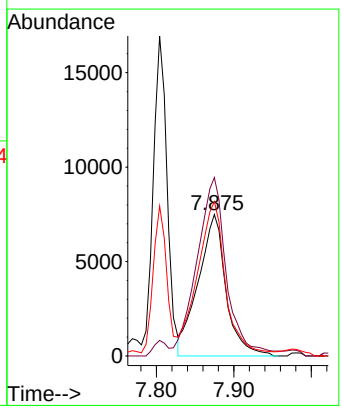


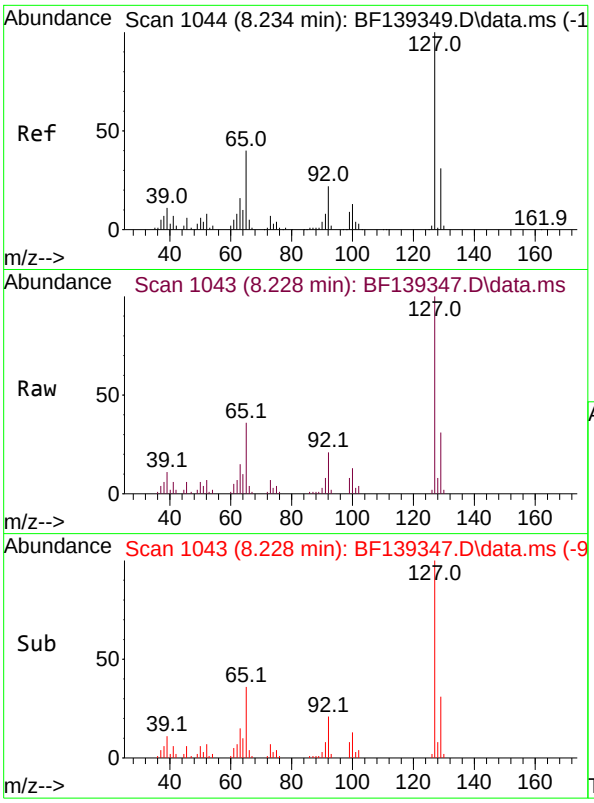




#32
Benzoic acid
Concen: 8.857 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.047 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:122 Resp: 18593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.1 | 117.1 | 157.1 |
| 77 | 109.1 | 95.4 | 135.4 |



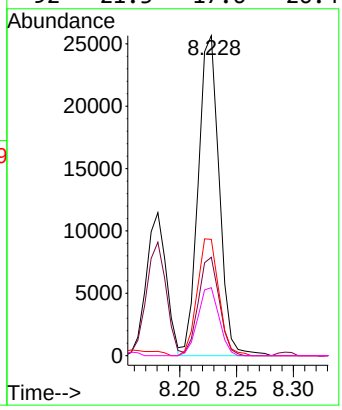


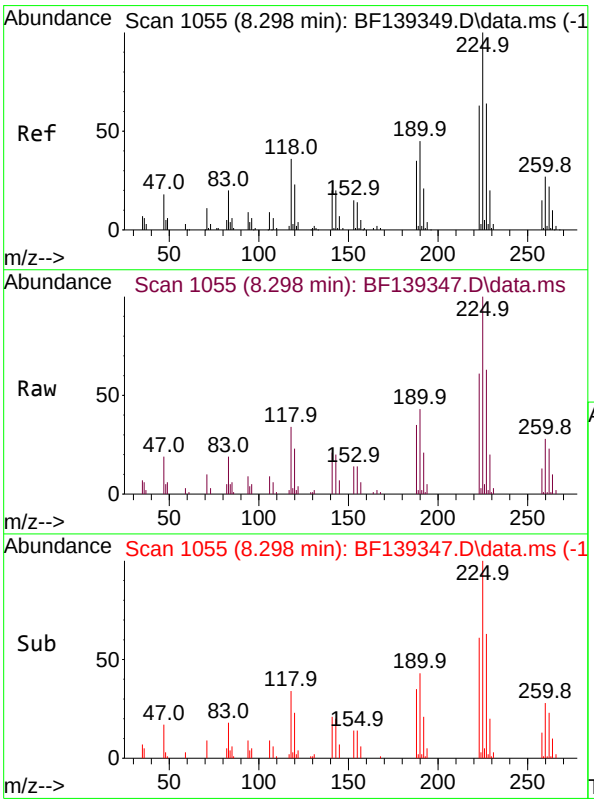

#33
4-Chloroaniline
Concen: 9.315 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:127 Resp: 32939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 30.7 | 25.5 | 38.3 |
| 65 | 36.3 | 31.5 | 47.3 |
| 92 | 21.3 | 17.6 | 26.4 |

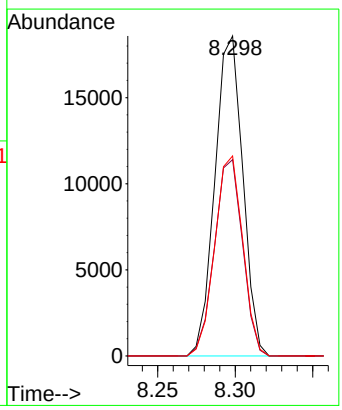


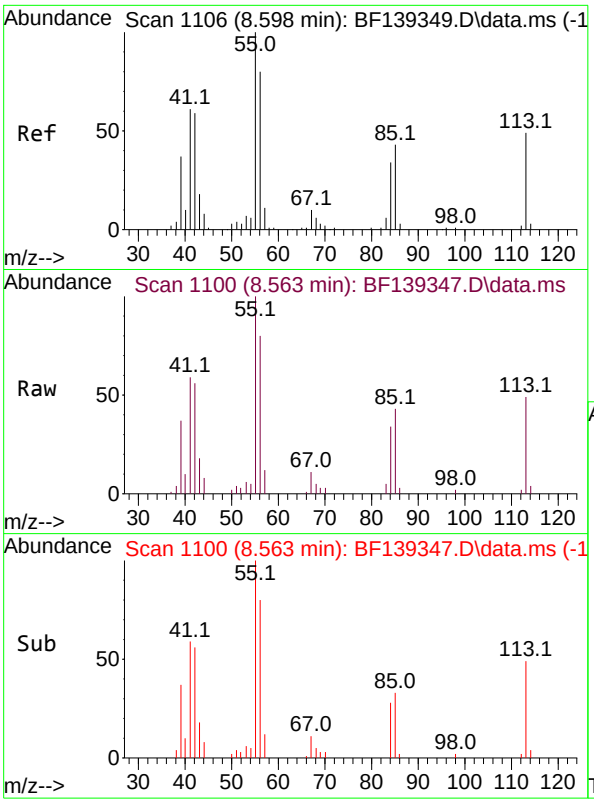




#34
Hexachlorobutadiene
Concen: 11.658 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:225 Resp: 23282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.3 | 50.1 | 75.1 |
| 227 | 62.5 | 51.0 | 76.6 |



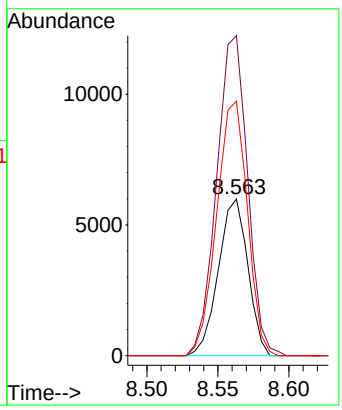


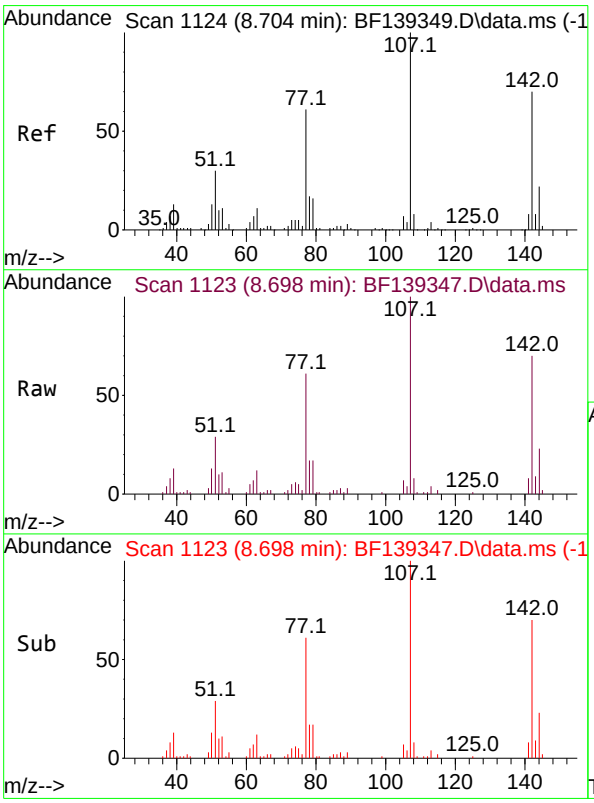

#35
Caprolactam
Concen: 10.121 ng
RT: 8.563 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:113 Resp: 8646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 204.2 | 186.1 | 226.1 |
| 56 | 162.5 | 144.9 | 184.9 |

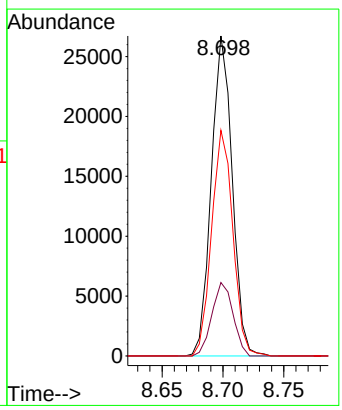


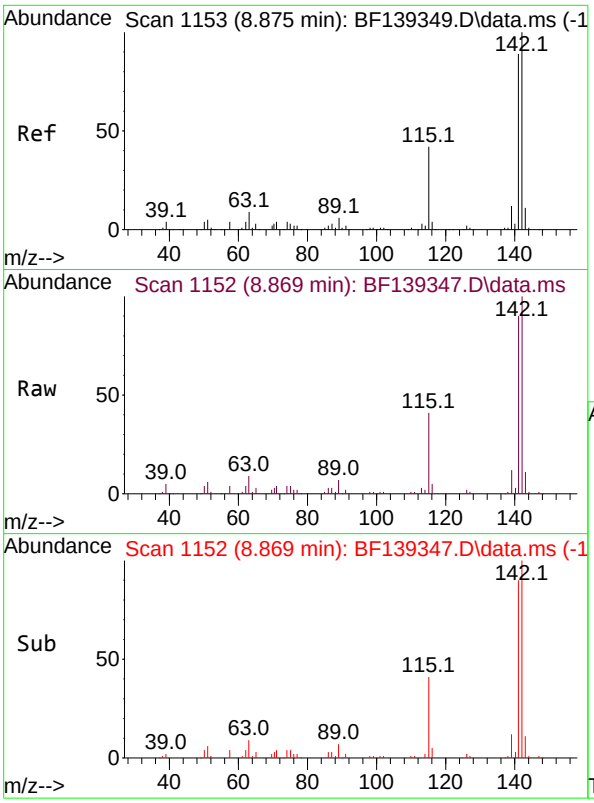




#36
4-Chloro-3-methylphenol
Concen: 10.627 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:107 Resp: 31957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.9 | 17.5 | 26.3 |
| 142 | 70.5 | 55.8 | 83.8 |



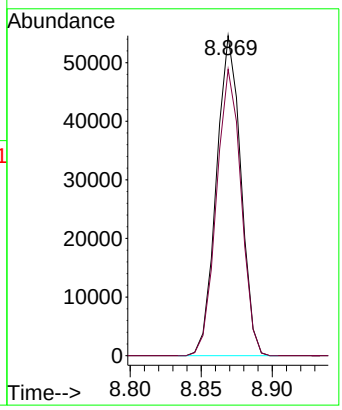


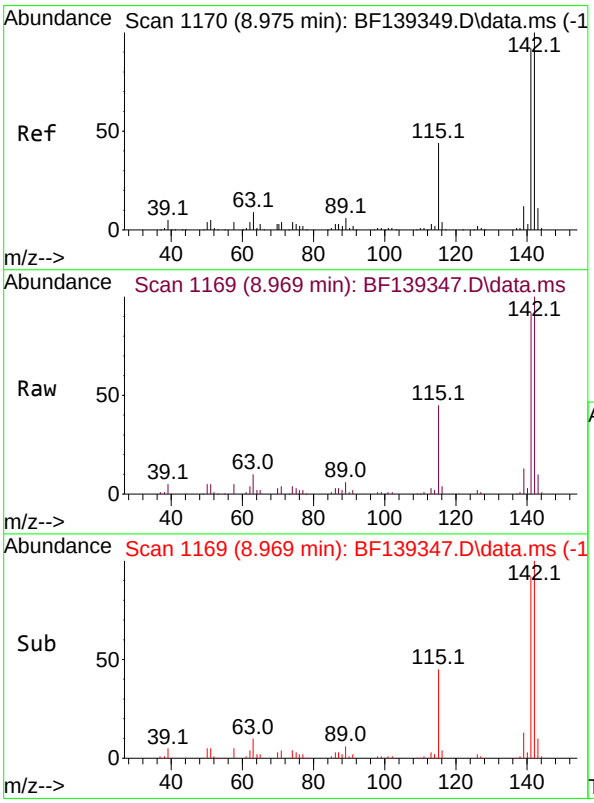

#37
2-Methylnaphthalene
Concen: 10.179 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:142 Resp: 65040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 71.6 | 107.4 |

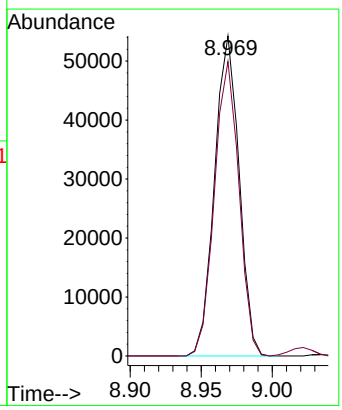


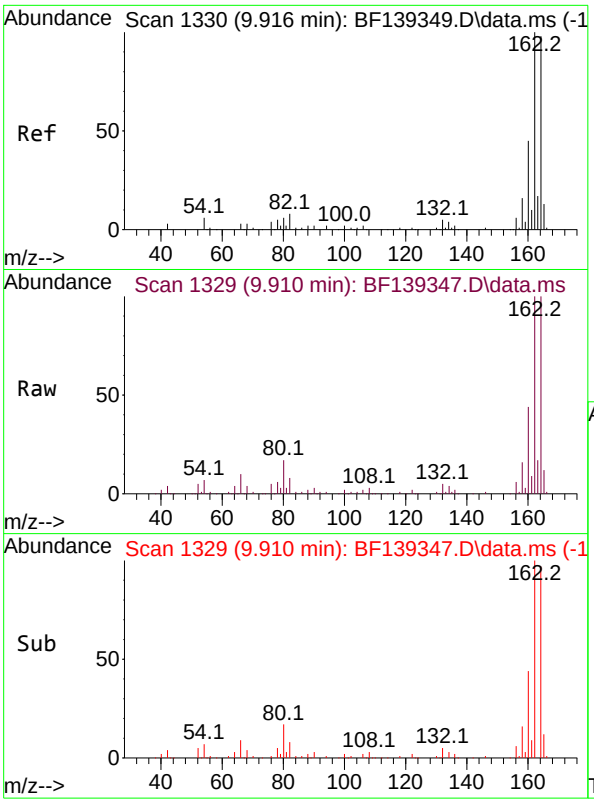




#38
1-Methylnaphthalene
Concen: 10.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:142 Resp: 65274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.2 | 109.8 |



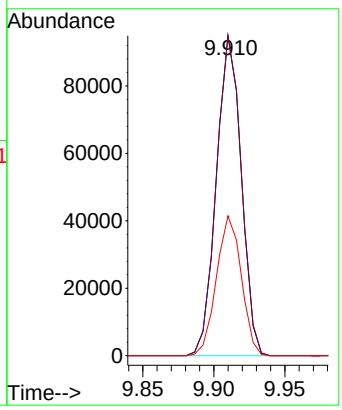


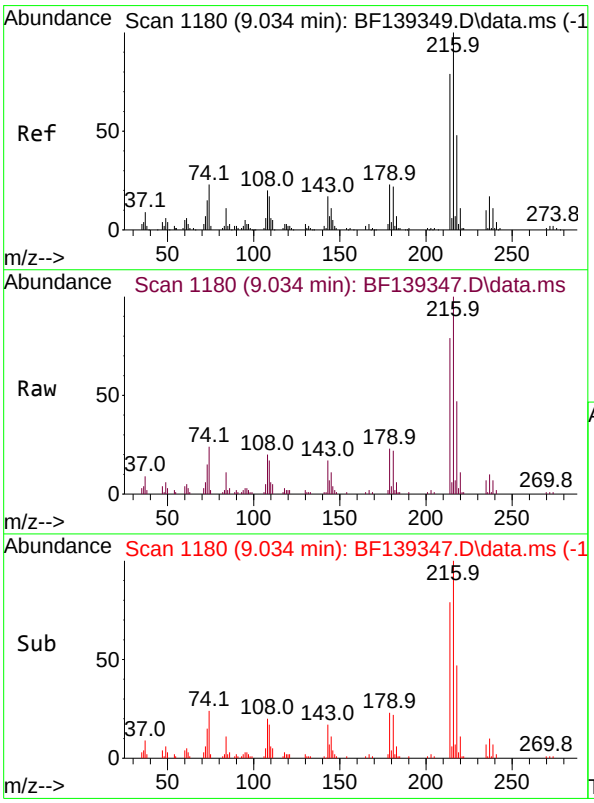

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:164 Resp: 115245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 81.3 | 121.9 |
| 160 | 43.7 | 36.4 | 54.6 |

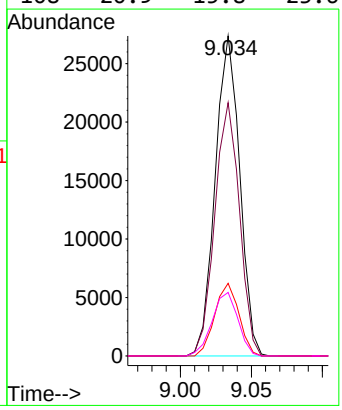


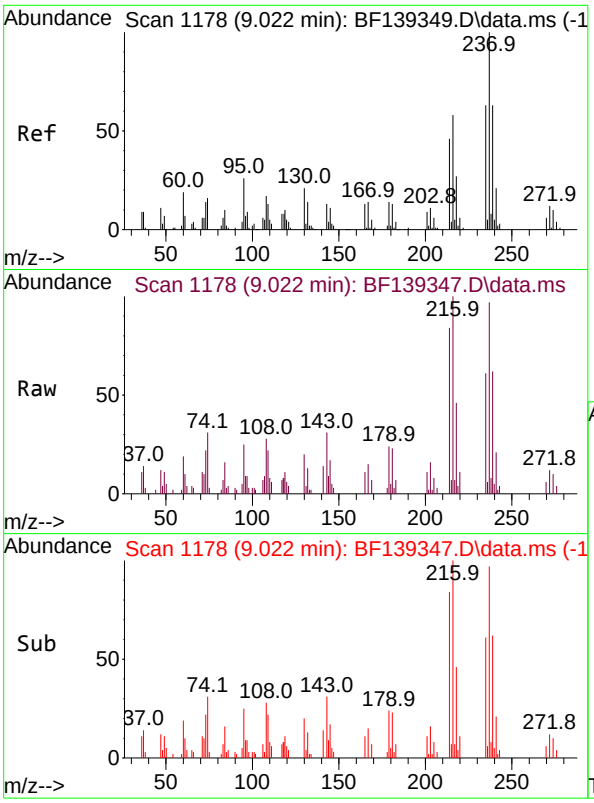




#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.066 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:216 Resp: 32822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.6 | 63.4 | 95.0 |
| 179 | 22.4 | 18.2 | 27.2 |
| 108 | 20.9 | 15.8 | 23.6 |



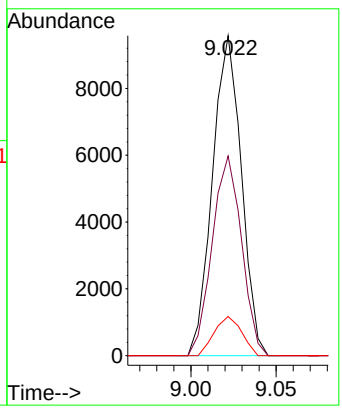


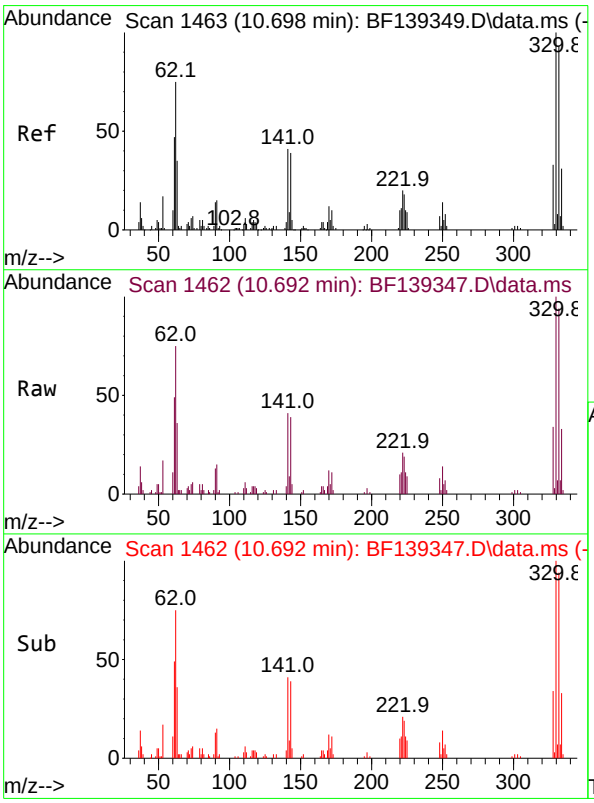

#41
Hexachlorocyclopentadiene
Concen: 10.768 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:237 Resp: 11284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 42.7 | 82.7 |
| 272 | 12.3 | 0.0 | 32.5 |

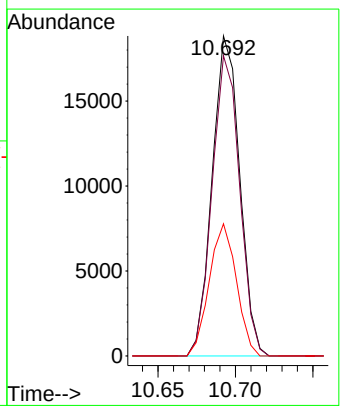


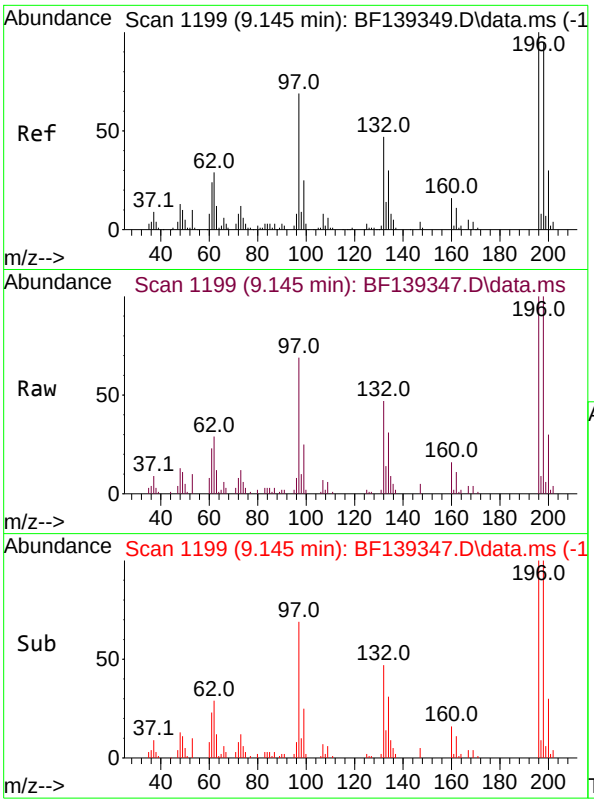




#42
2,4,6-Tribromophenol
Concen: 23.362 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:330 Resp: 23249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.9 | 75.2 | 112.8 |
| 141 | 40.7 | 31.2 | 46.8 |



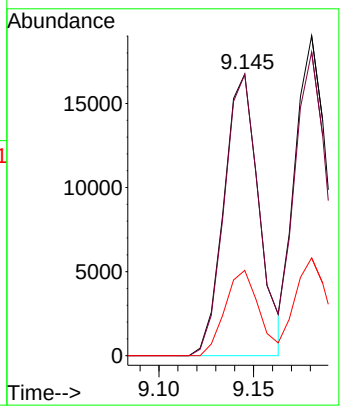


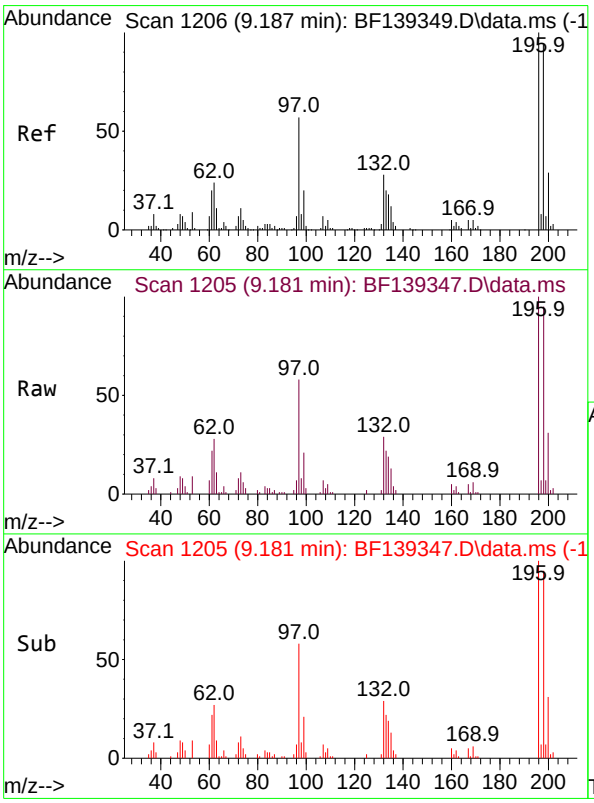

#43
2,4,6-Trichlorophenol
Concen: 10.080 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:196 Resp: 21505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 75.8 | 113.6 |
| 200 | 30.3 | 24.1 | 36.1 |

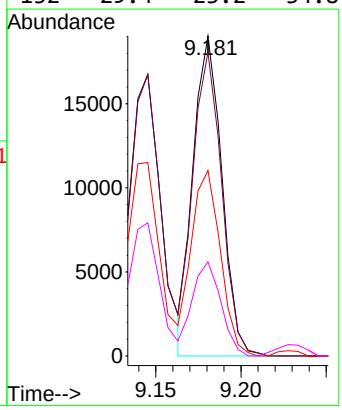


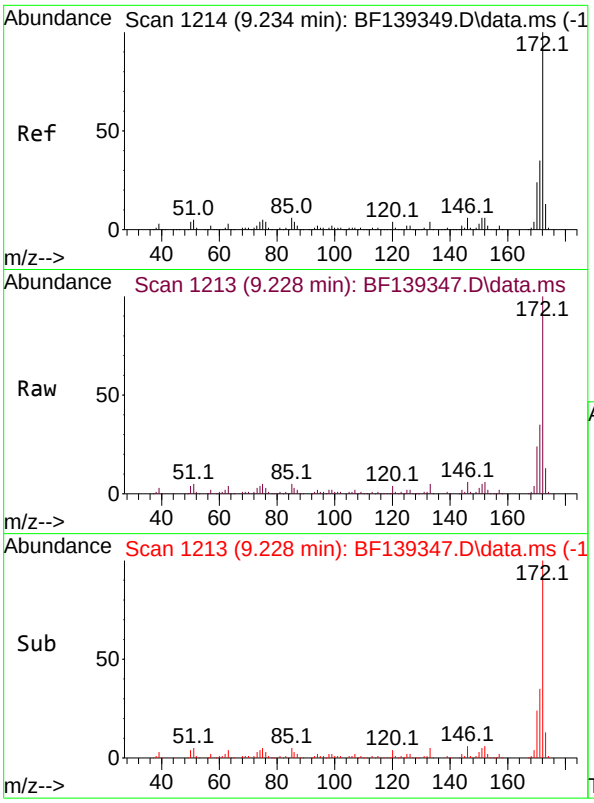




#44
2,4,5-Trichlorophenol
Concen: 10.026 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:196 Resp: 22415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 74.8 | 112.2 |
| 97 | 57.9 | 47.3 | 70.9 |
| 132 | 29.4 | 23.2 | 34.8 |



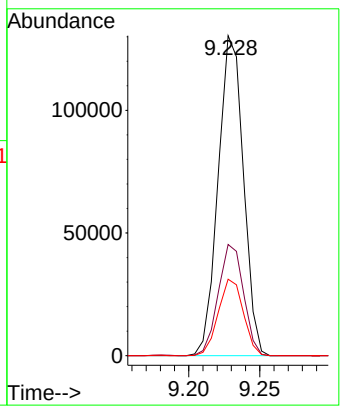


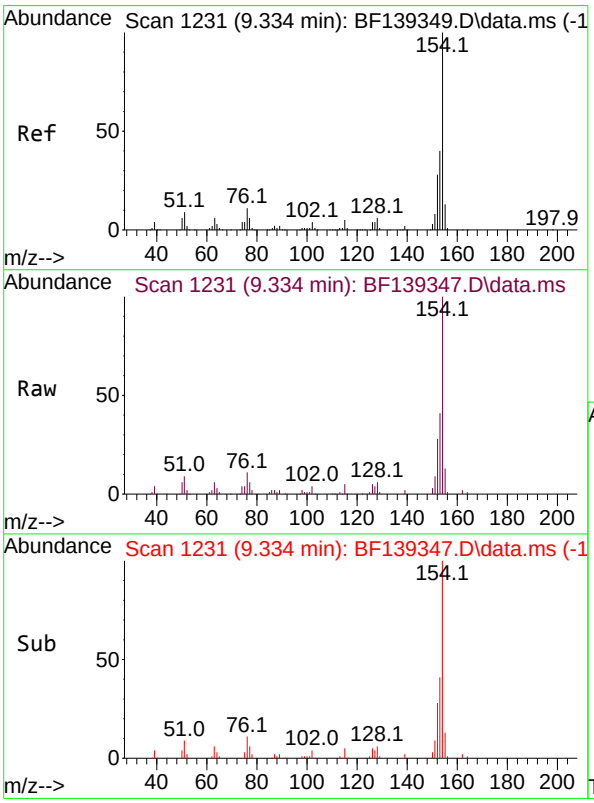

#45
2-Fluorobiphenyl
Concen: 21.603 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:172 Resp: 161282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.3 | 42.5 |
| 170 | 23.9 | 19.0 | 28.6 |

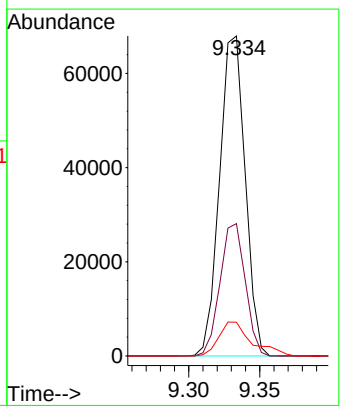


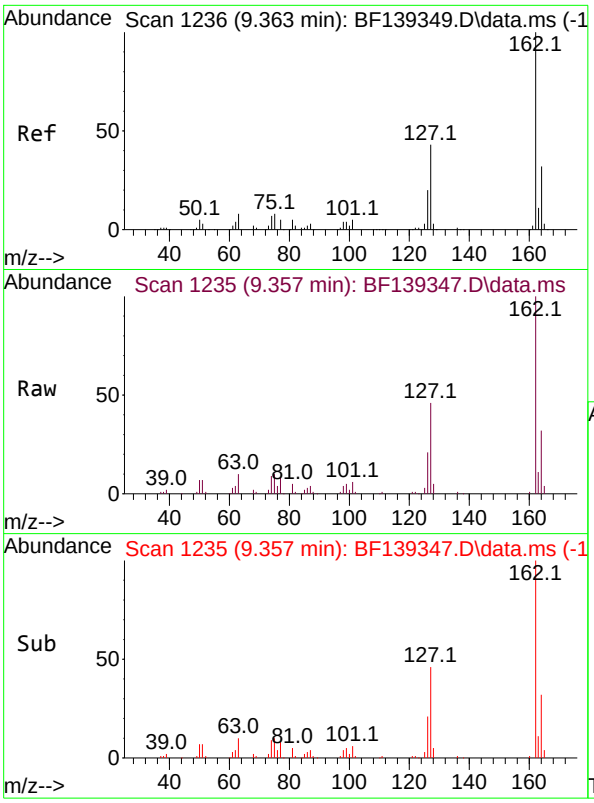




#46
1,1'-Biphenyl
Concen: 9.976 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:154 Resp: 85183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.4 | 20.1 | 60.1 |
| 76 | 10.5 | 0.0 | 31.1 |



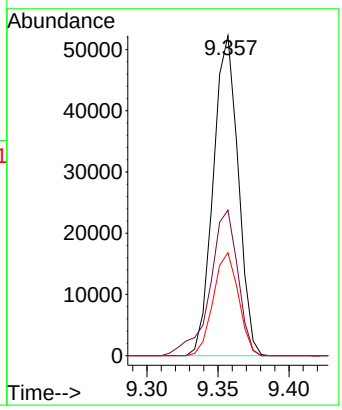


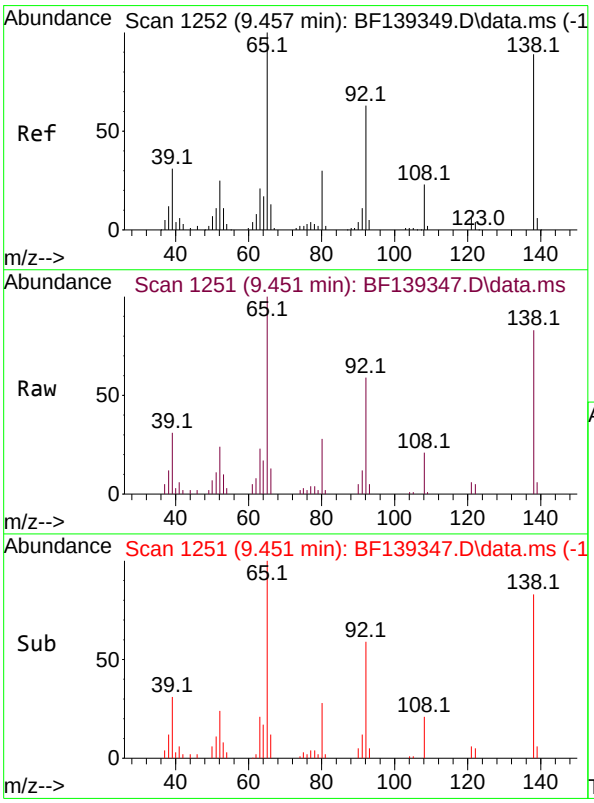

#47
2-Chloronaphthalene
Concen: 9.918 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:162 Resp: 63947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 45.5 | 35.0 | 52.4 |
| 164 | 32.2 | 25.8 | 38.6 |

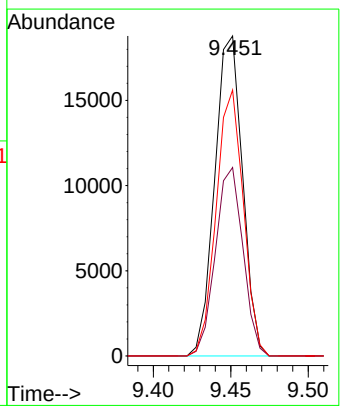


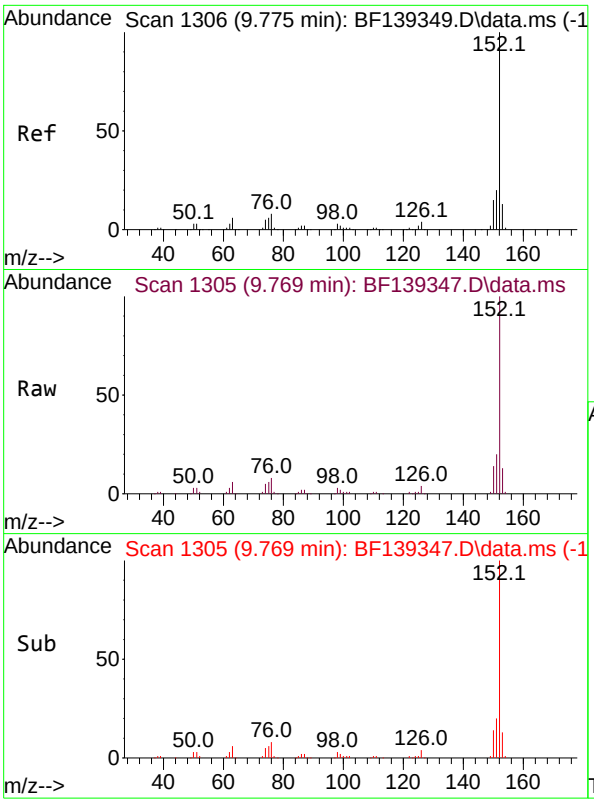




#48
2-Nitroaniline
Concen: 10.556 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion: 65 Resp: 23443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 58.9 | 50.3 | 75.5 |
| 138 | 83.1 | 71.3 | 106.9 |



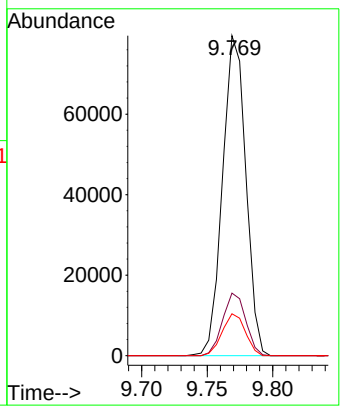


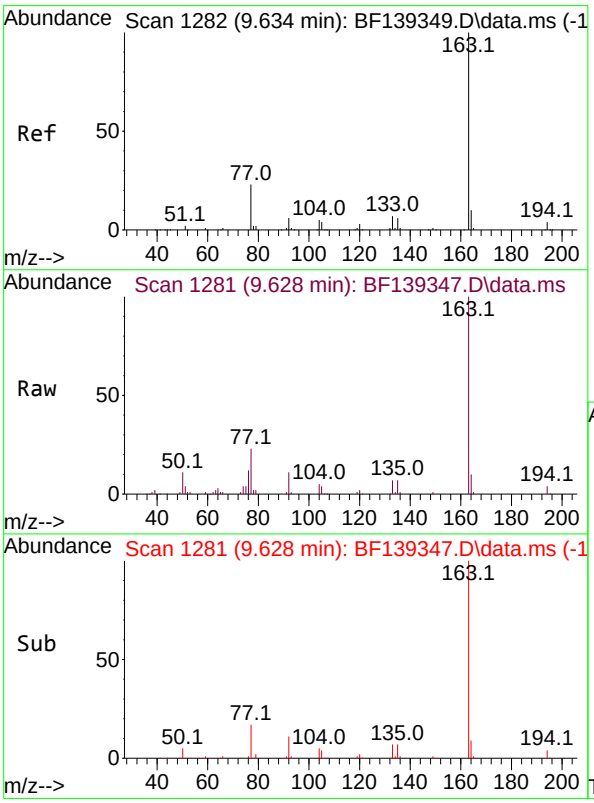

#49
Acenaphthylene
Concen: 10.120 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:152 Resp: 98269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.2 | 24.2 |
| 153 | 13.1 | 10.3 | 15.5 |

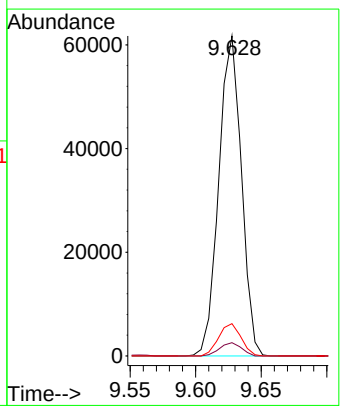


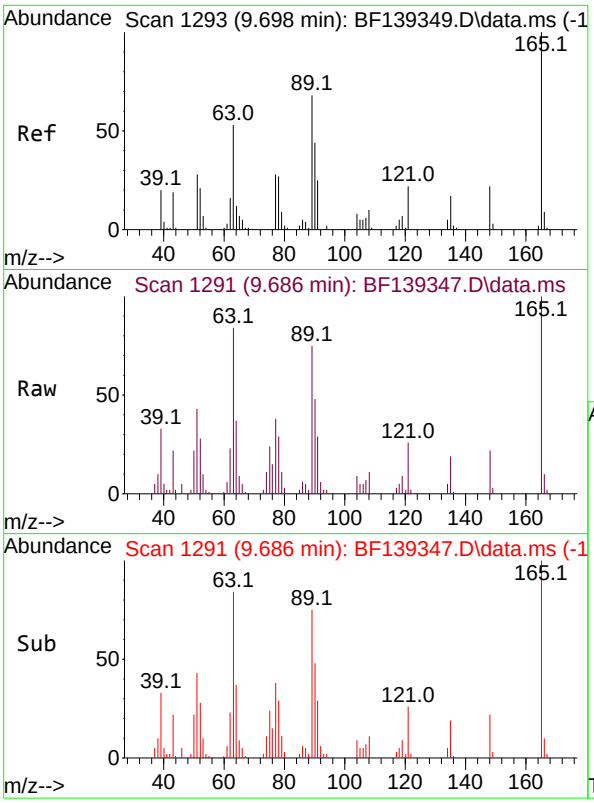




#50
Dimethylphthalate
Concen: 10.590 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:163 Resp: 73968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.2 | 12.2 |



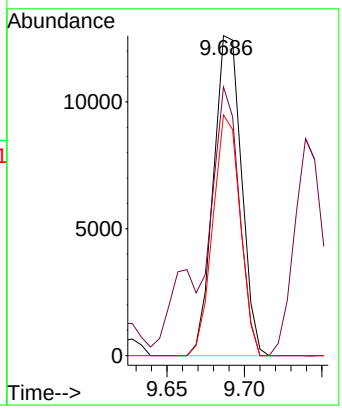


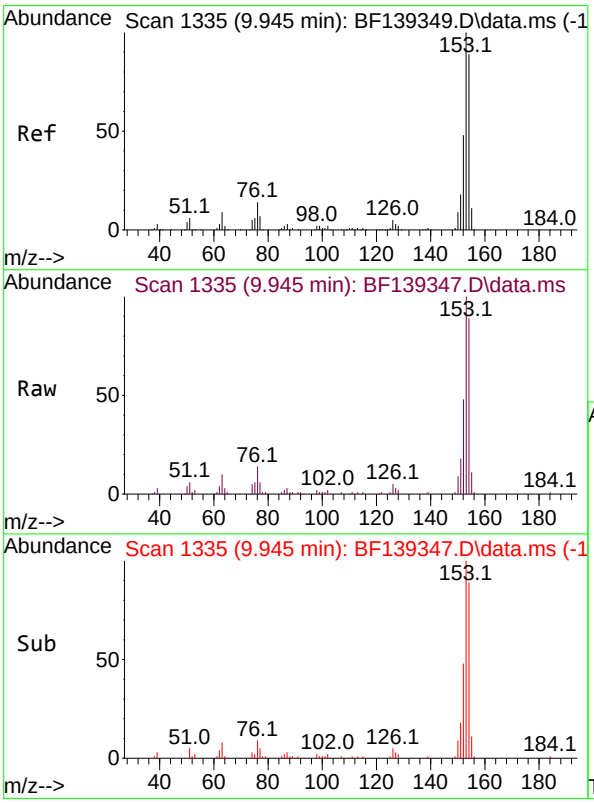

#51
2,6-Dinitrotoluene
Concen: 9.999 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:165 Resp: 15845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 84.0 | 60.9 | 91.3 |
| 89 | 75.3 | 54.7 | 82.1 |

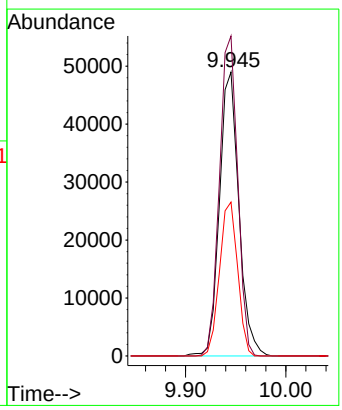


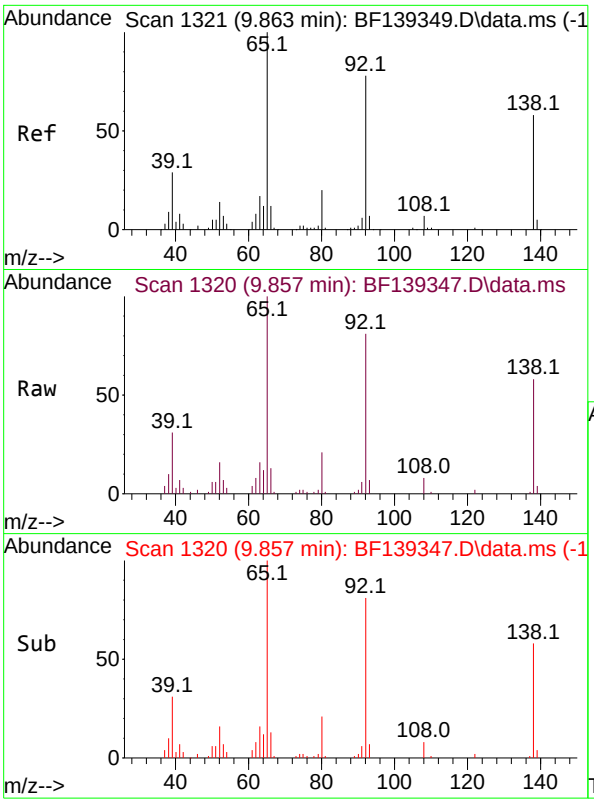




#52
Acenaphthene
Concen: 10.206 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:154 Resp: 65732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.7 | 89.5 | 134.3 |
| 152 | 54.2 | 42.6 | 64.0 |



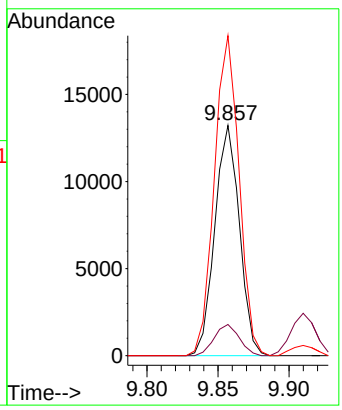


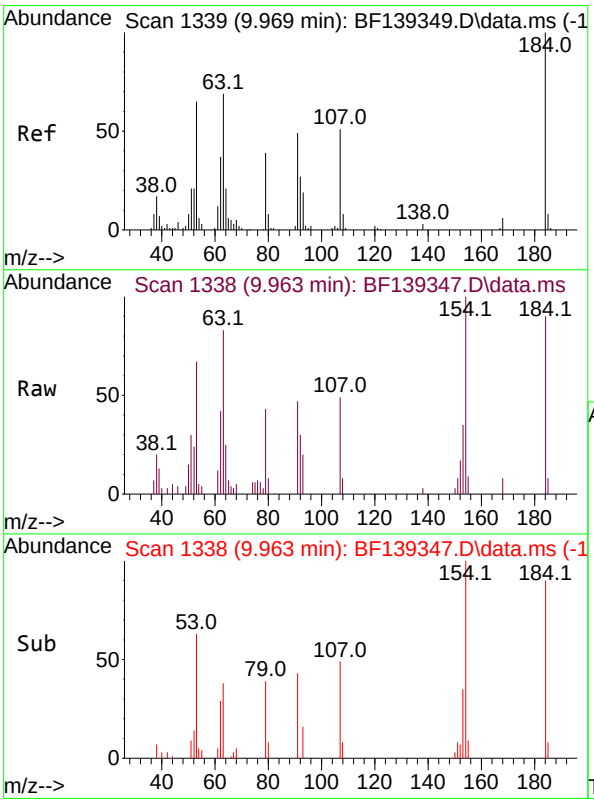

#53
3-Nitroaniline
Concen: 9.428 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:138 Resp: 15917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.6 | 9.8 | 14.8 |
| 92 | 139.0 | 107.4 | 161.2 |

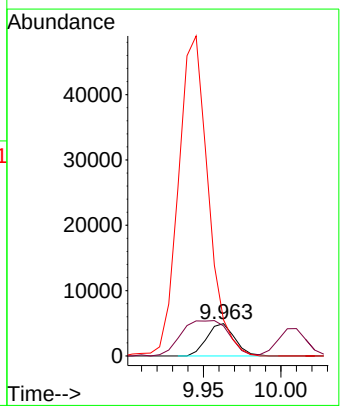


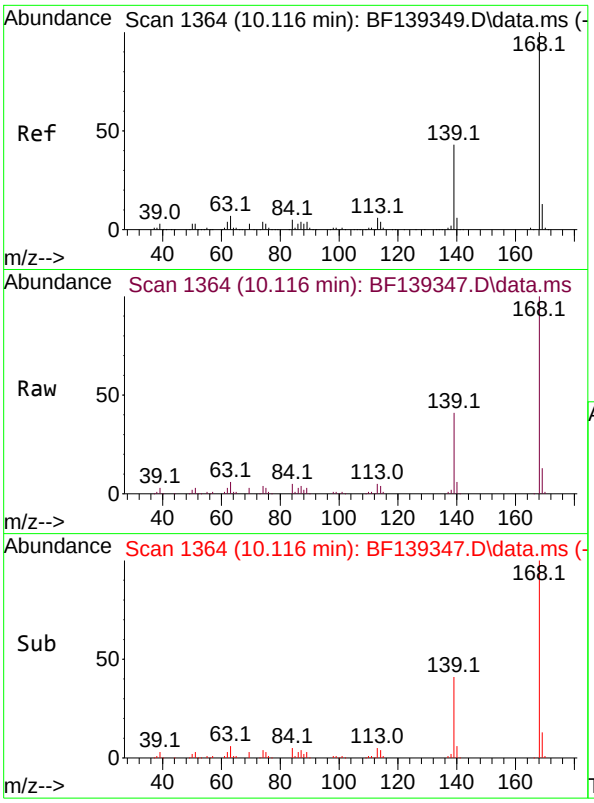




#54
2,4-Dinitrophenol
Concen: 9.124 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:184 Resp: 6191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 92.8 | 69.3 | 103.9 |
| 154 | 111.7 | 67.5 | 101.3# |



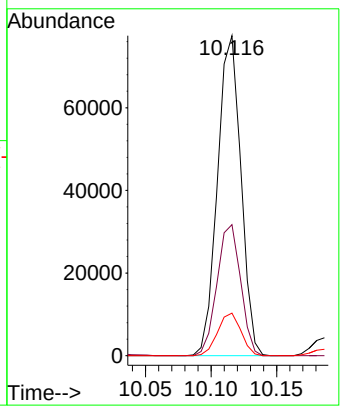


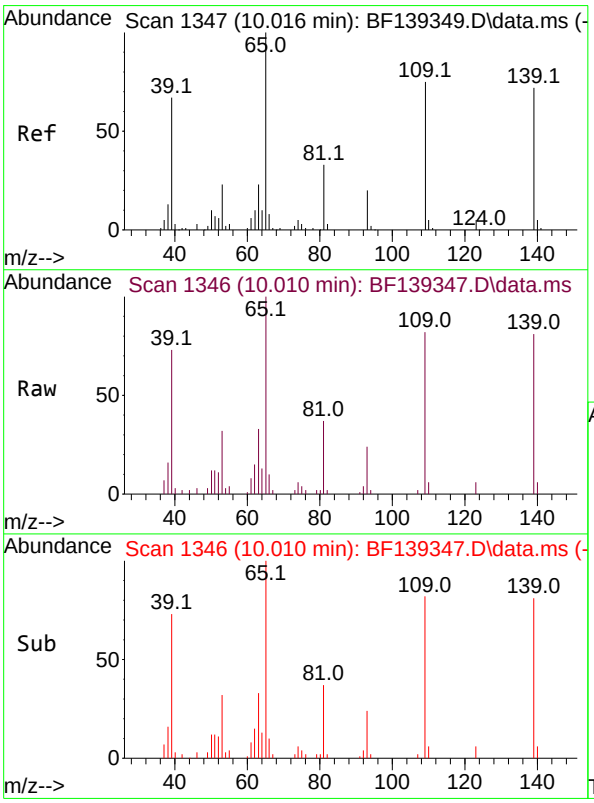

#55
Dibenzofuran
Concen: 10.412 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:168 Resp: 96142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 34.1 | 51.1 |
| 169 | 13.3 | 10.5 | 15.7 |

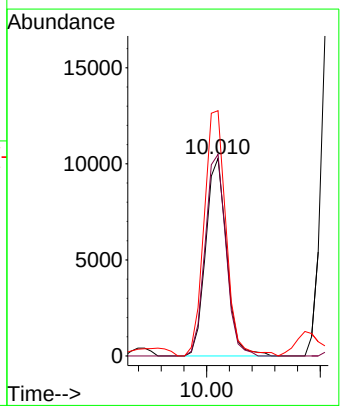


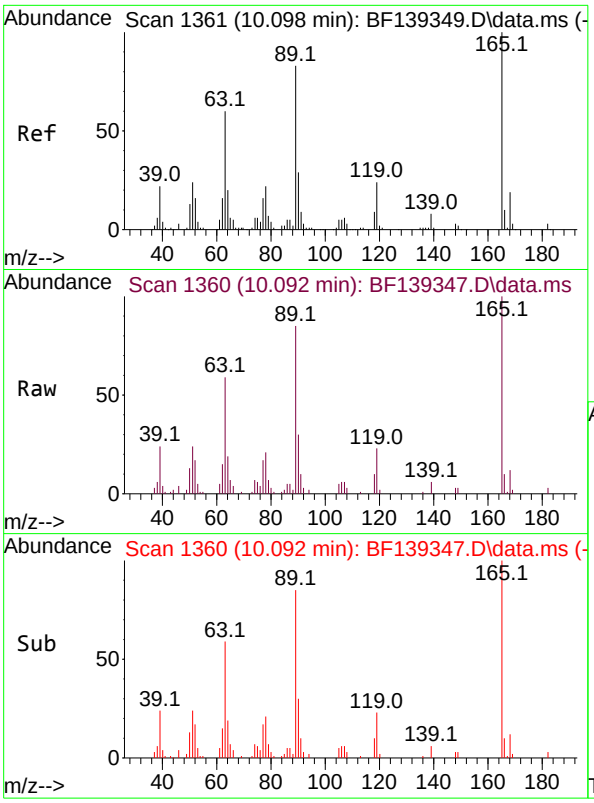




#56
4-Nitrophenol
Concen: 10.561 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:139 Resp: 13161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 102.0 | 84.1 | 124.1 |
| 65 | 124.2 | 120.0 | 160.0 |



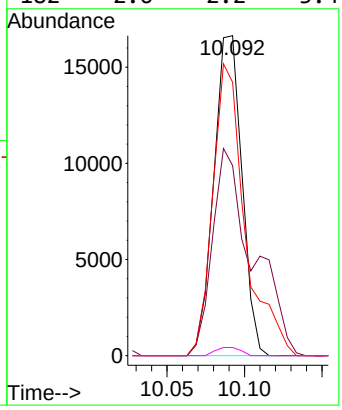


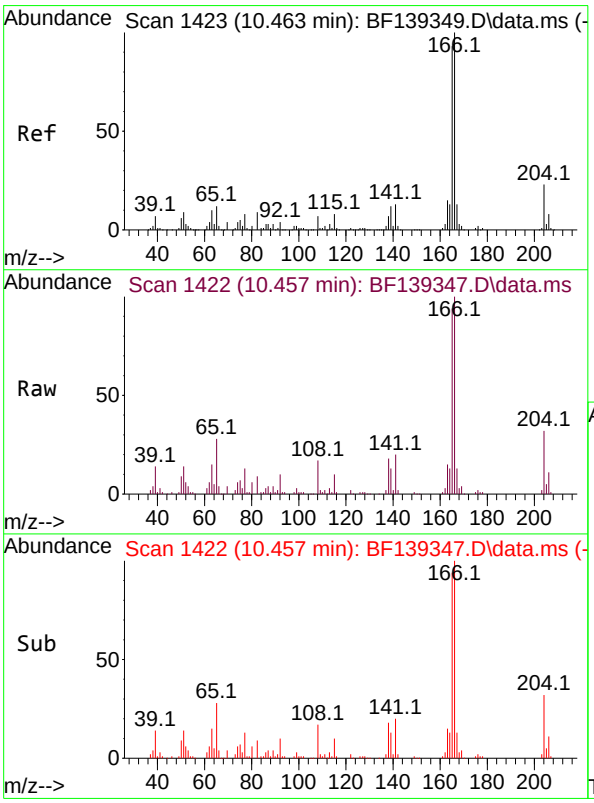

#57
2,4-Dinitrotoluene
Concen: 10.427 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:165 Resp: 21031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.4 | 47.8 | 71.6 |
| 89 | 85.4 | 66.7 | 100.1 |
| 182 | 2.6 | 2.2 | 3.4 |

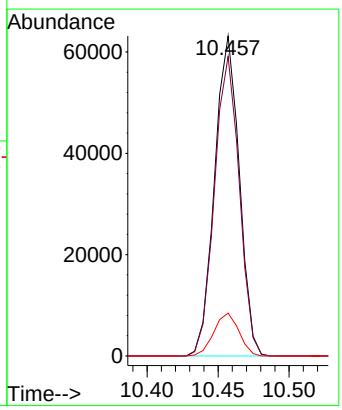


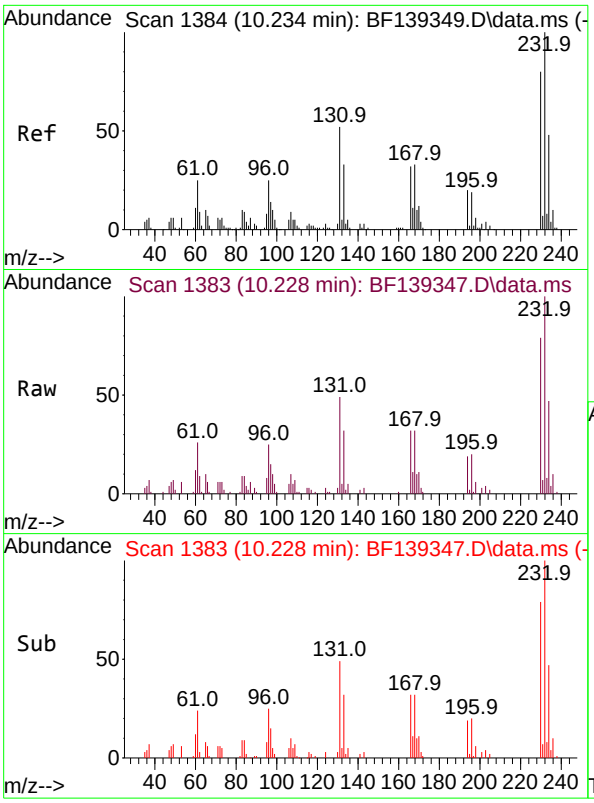




#58
Fluorene
Concen: 10.647 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:166 Resp: 76225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.6 | 74.5 | 111.7 |
| 167 | 13.4 | 10.6 | 16.0 |



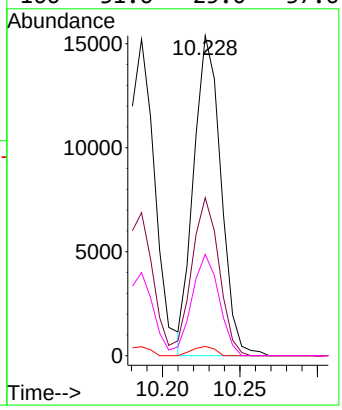


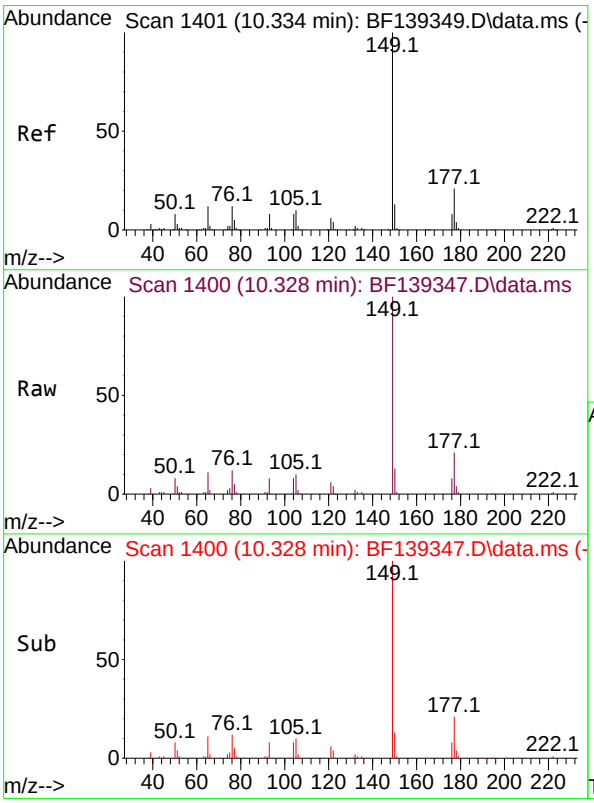

#59
2,3,4,6-Tetrachlorophenol
Concen: 10.693 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:232 Resp: 18817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.7 | 40.7 | 61.1 |
| 130 | 2.4 | 2.2 | 3.2 |
| 166 | 31.6 | 25.0 | 37.6 |

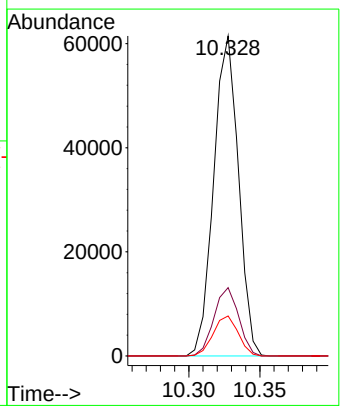


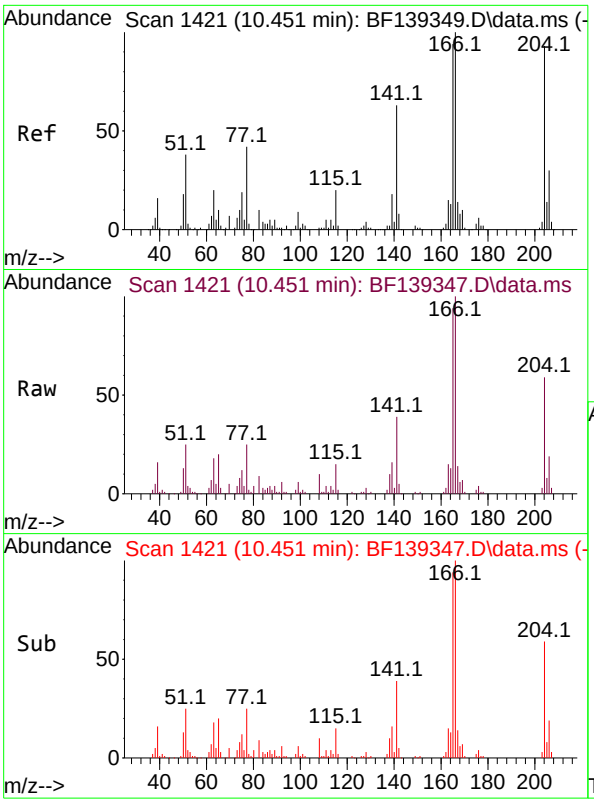




#60
Diethylphthalate
Concen: 10.826 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:149 Resp: 74418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 16.6 | 24.8 |
| 150 | 12.5 | 10.6 | 15.8 |



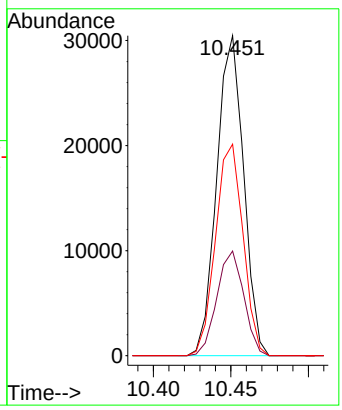


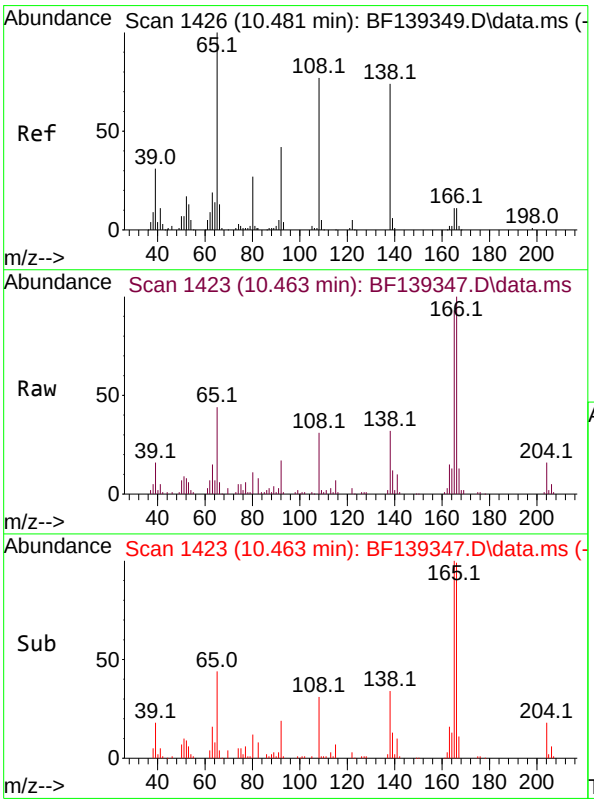

#61
4-Chlorophenyl-phenylether
Concen: 10.645 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:204 Resp: 36753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.2 | 39.2 |
| 141 | 66.1 | 53.9 | 80.9 |

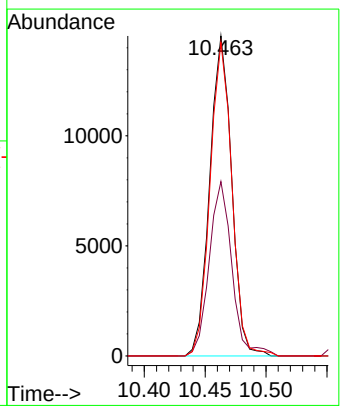


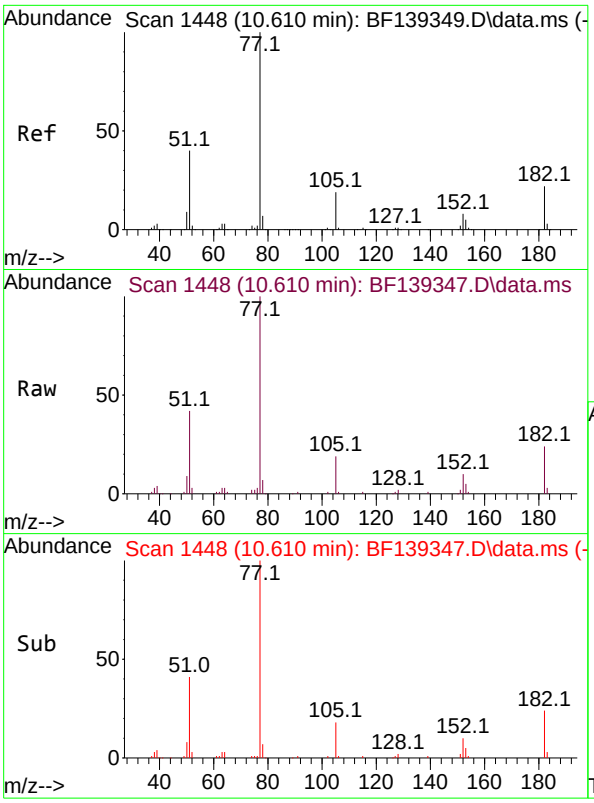




#62
4-Nitroaniline
Concen: 11.310 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.018 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:138 Resp: 18177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 54.5 | 37.0 | 77.0 |
| 108 | 98.0 | 84.4 | 124.4 |



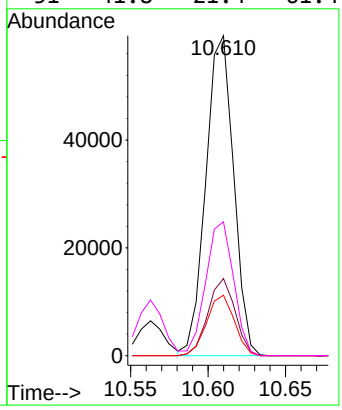


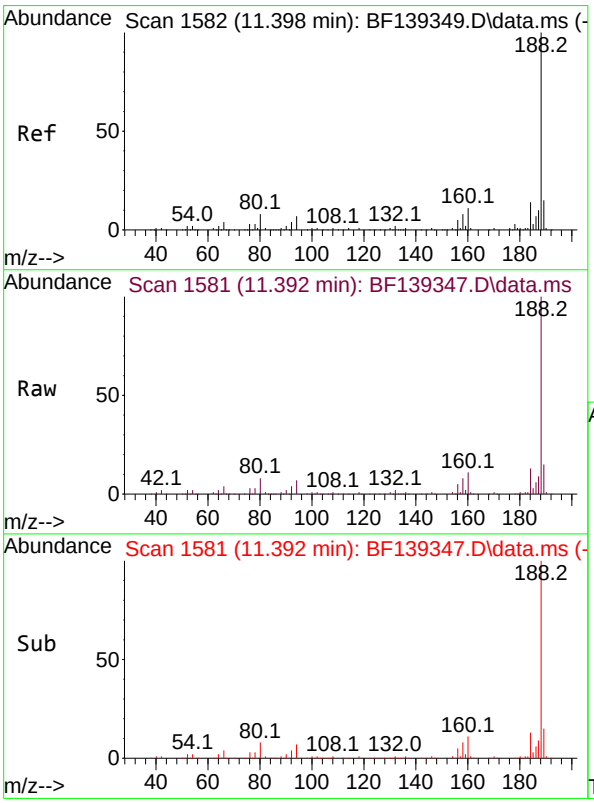

#63
Azobenzene
Concen: 10.229 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion: 77 Resp: 74109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.1 | 1.8 | 41.8 |
| 105 | 18.9 | 0.0 | 38.6 |
| 51 | 41.8 | 21.4 | 61.4 |

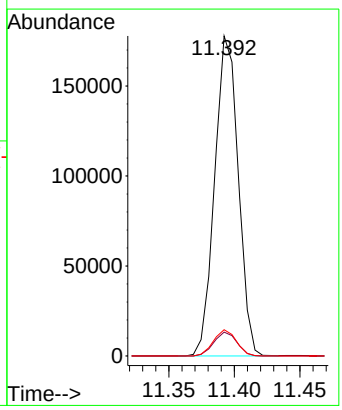


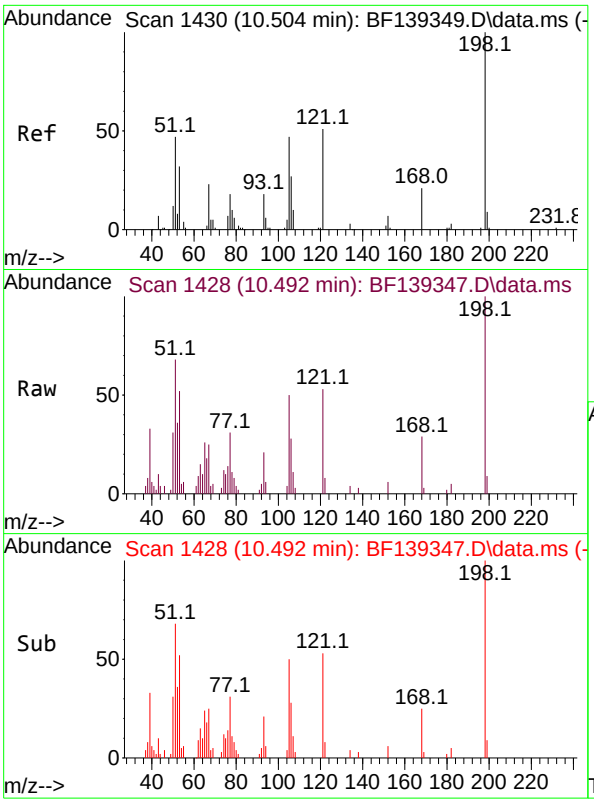




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:188 Resp: 222099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 5.5 | 8.3 |
| 80 | 8.2 | 6.6 | 9.8 |



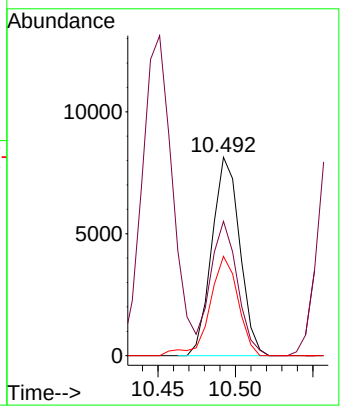


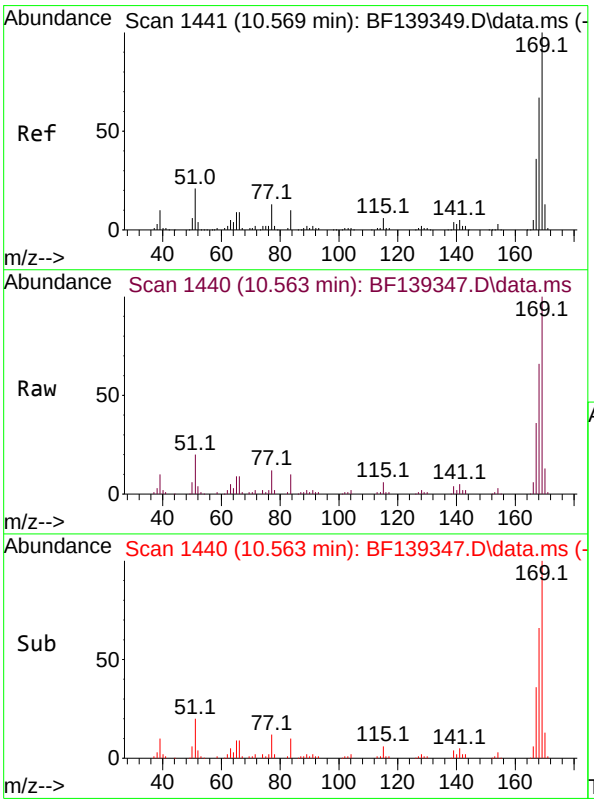

#65
4,6-Dinitro-2-methylphenol
Concen: 9.902 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:198 Resp: 10162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 67.8 | 50.4 | 90.4 |
| 105 | 50.1 | 28.3 | 68.3 |

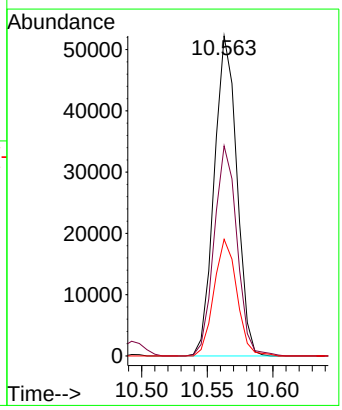


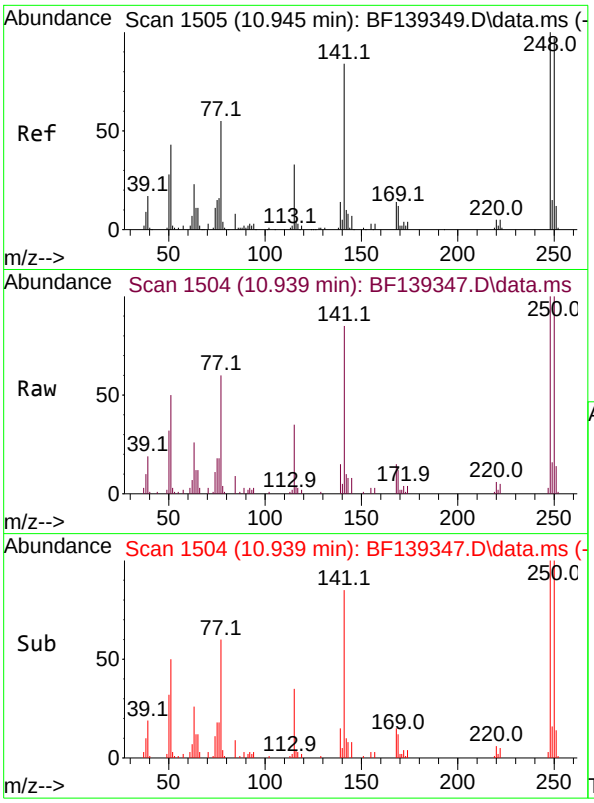




#66
n-Nitrosodiphenylamine
Concen: 9.687 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:169 Resp: 62625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.6 | 53.6 | 80.4 |
| 167 | 36.5 | 28.7 | 43.1 |



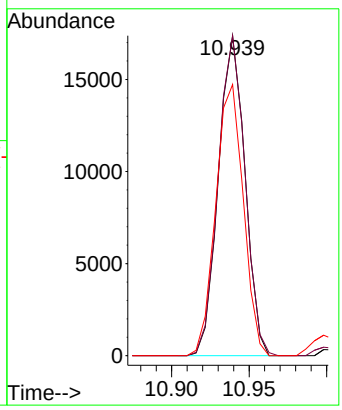


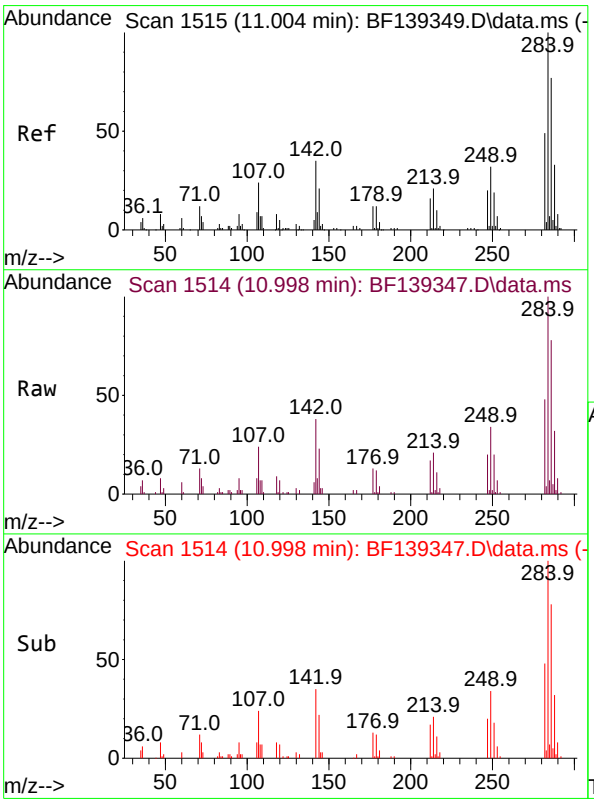

#67
4-Bromophenyl-phenylether
Concen: 9.594 ng
RT: 10.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:248 Resp: 20673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.0 | 77.6 | 116.4 |
| 141 | 84.8 | 66.9 | 100.3 |

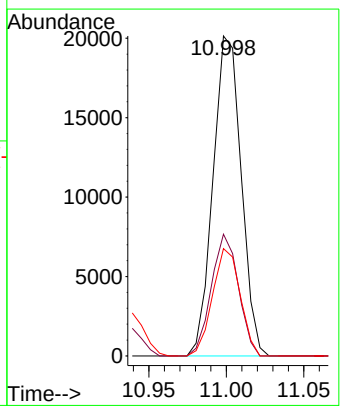


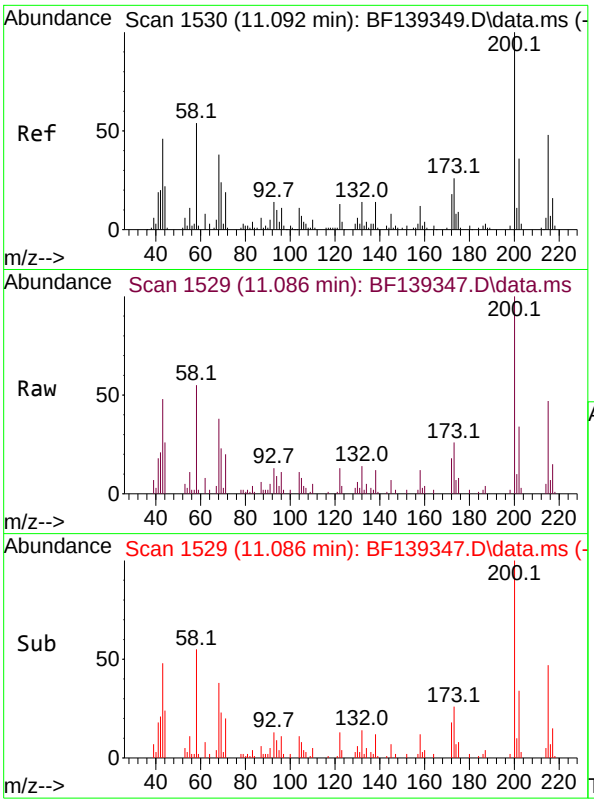




#68
Hexachlorobenzene
Concen: 10.320 ng
RT: 10.998 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:284 Resp: 25459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.0 | 28.0 | 42.0 |
| 249 | 33.5 | 25.3 | 37.9 |



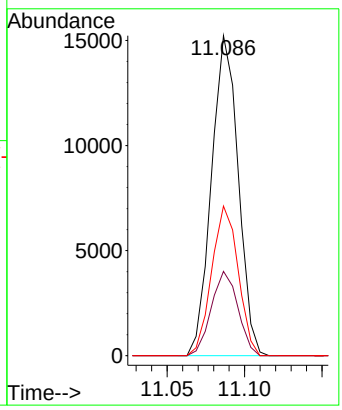


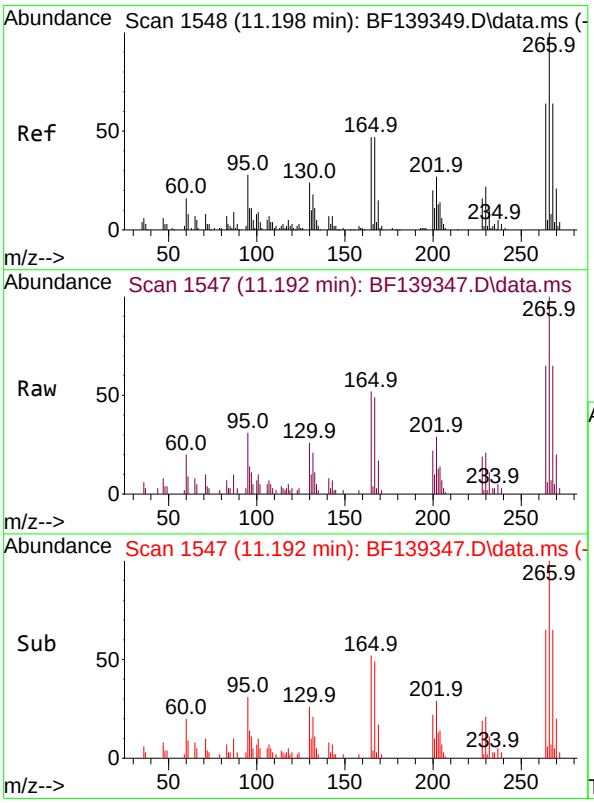

#69
Atrazine
Concen: 12.250 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:200 Resp: 18272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 6.1 | 46.1 |
| 215 | 46.8 | 28.2 | 68.2 |

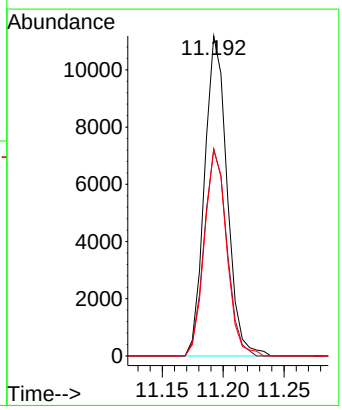


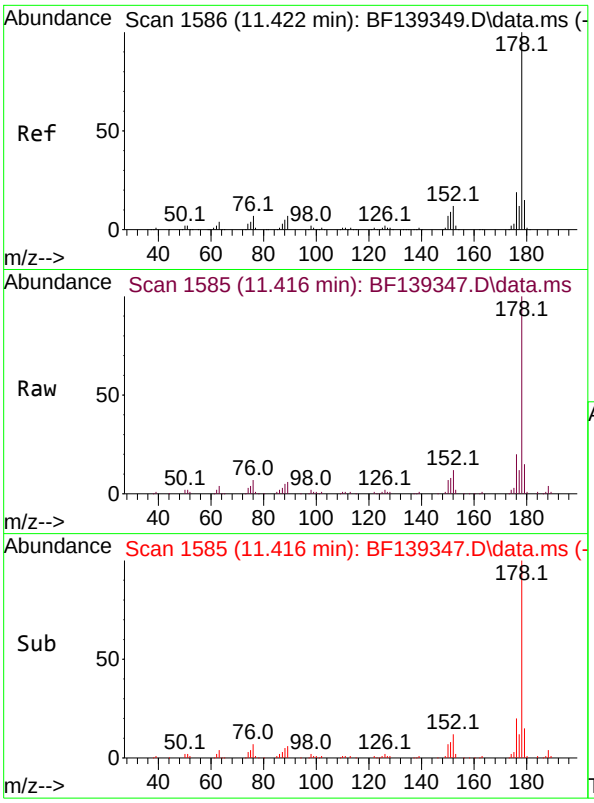




#70
Pentachlorophenol
Concen: 10.092 ng
RT: 11.192 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:266 Resp: 14381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.5 | 51.1 | 76.7 |
| 264 | 64.7 | 51.4 | 77.0 |



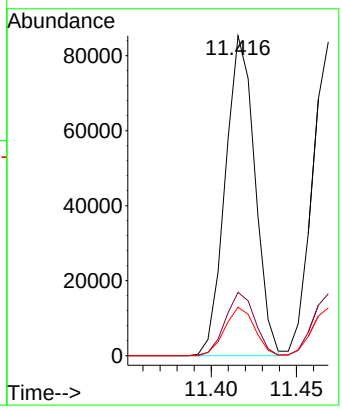


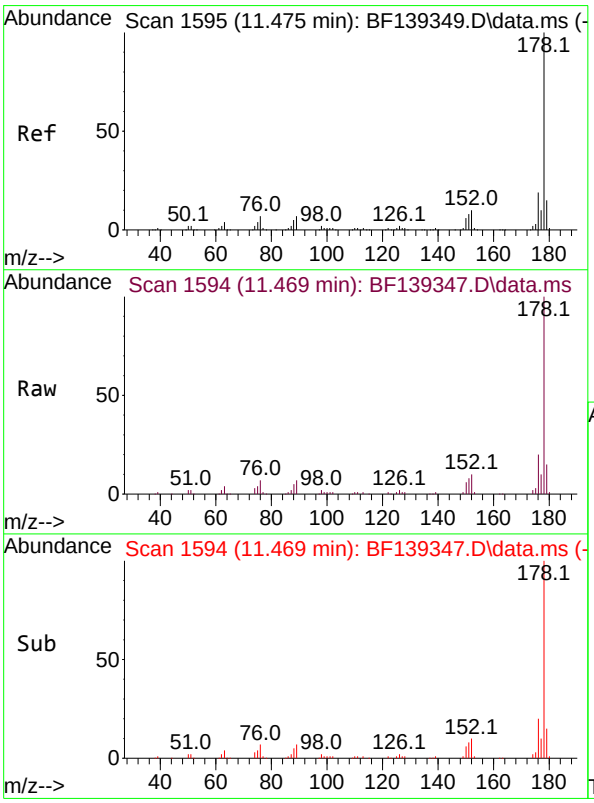

#71
Phenanthrene
Concen: 9.930 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:178 Resp: 103026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.2 | 22.8 |
| 179 | 15.2 | 12.2 | 18.4 |

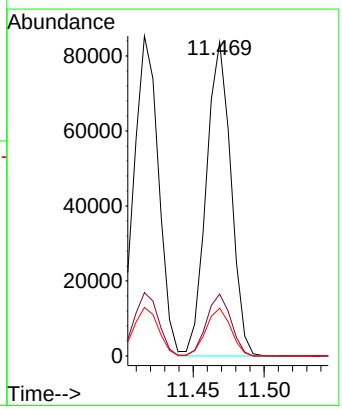


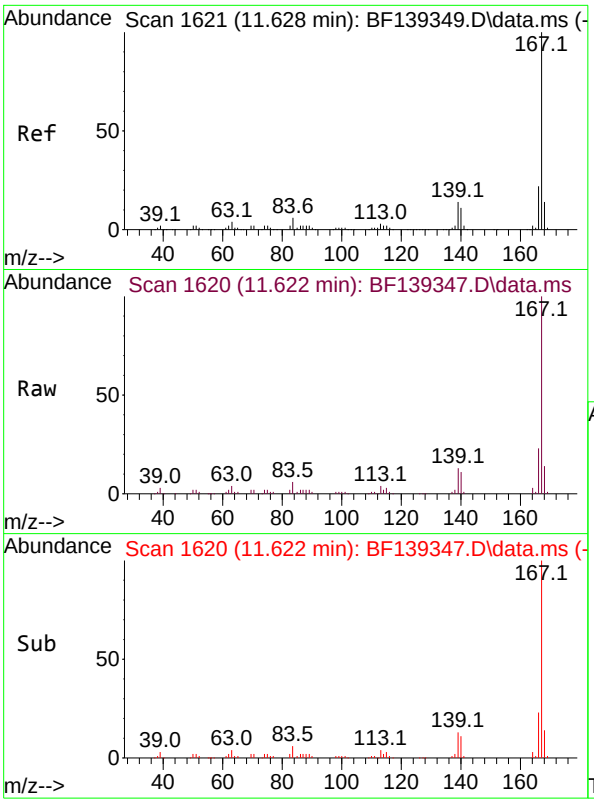




#72
Anthracene
Concen: 9.960 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:178 Resp: 100952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.0 | 22.6 |
| 179 | 15.2 | 12.0 | 18.0 |



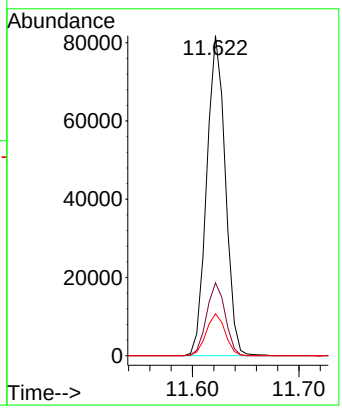


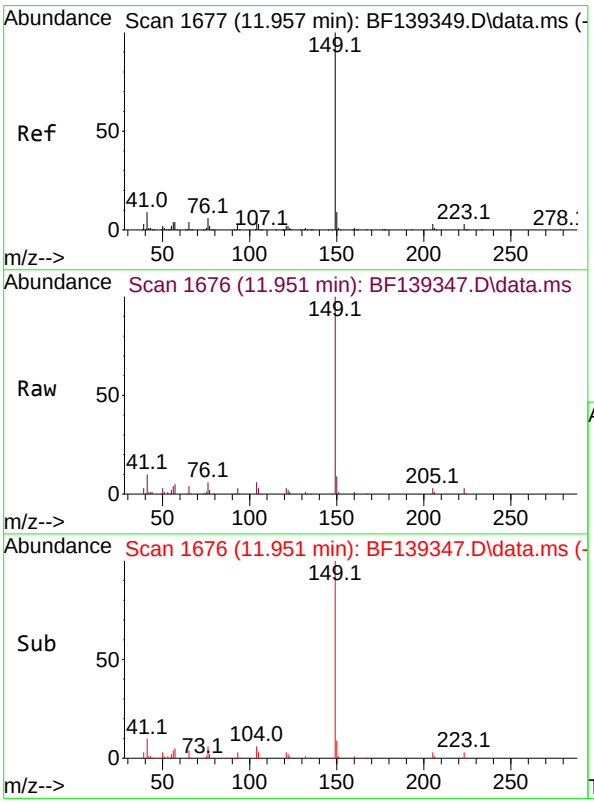

#73
Carbazole
Concen: 10.520 ng
RT: 11.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:167 Resp: 99653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.7 | 17.5 | 26.3 |
| 139 | 13.1 | 10.9 | 16.3 |

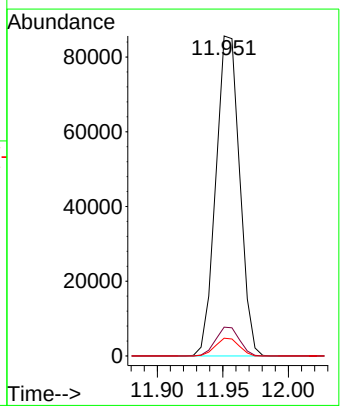


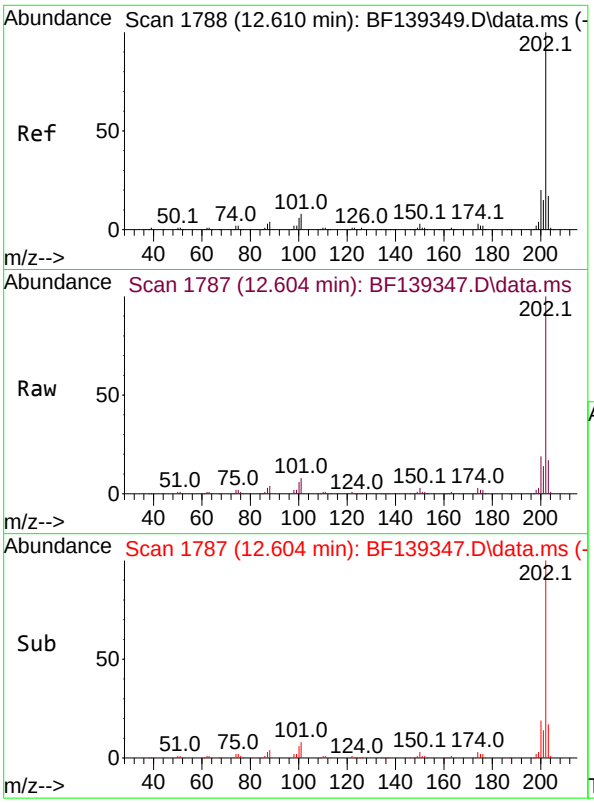




#74
Di-n-butylphthalate
Concen: 11.126 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:149 Resp: 107918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 5.6 | 4.3 | 6.5 |



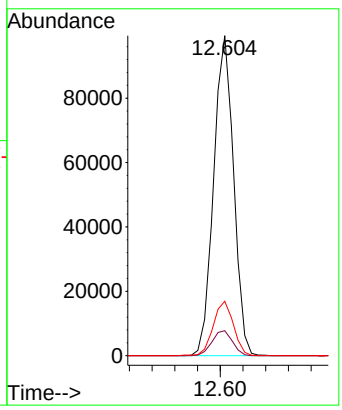


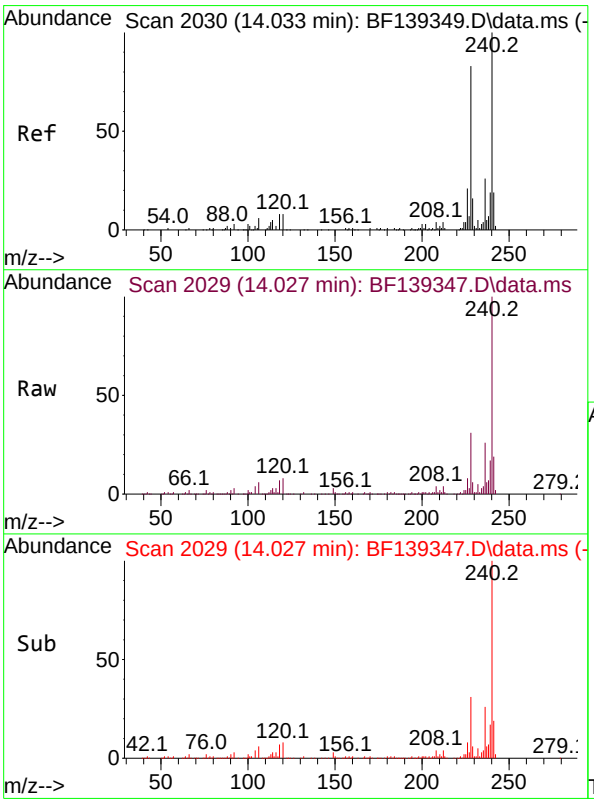

#75
Fluoranthene
Concen: 11.660 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:202 Resp: 121289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.8 | 0.0 | 27.7 |
| 203 | 17.0 | 0.0 | 37.4 |

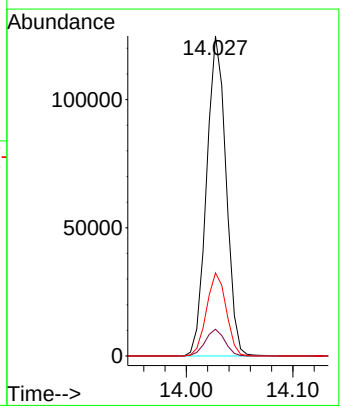


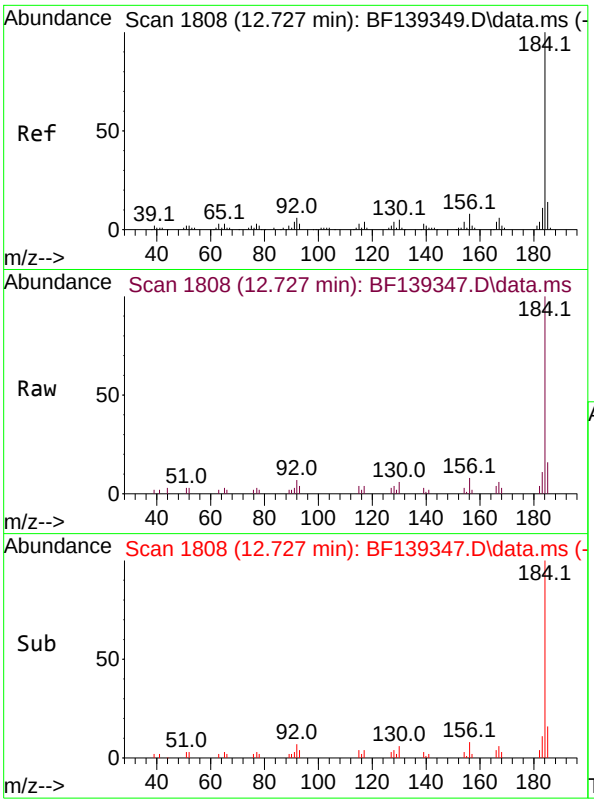




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:240 Resp: 158199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.3 | 6.2 | 9.2 |
| 236 | 25.9 | 20.9 | 31.3 |



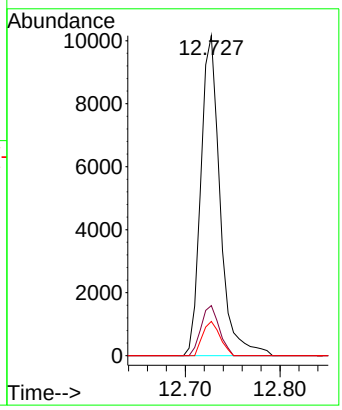


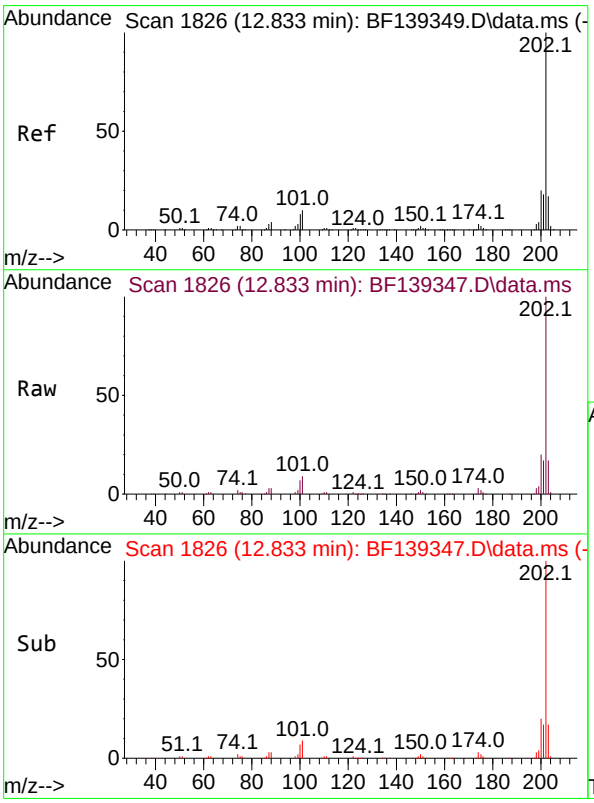

#77
Benzidine
Concen: 4.503 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:184 Resp: 14345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 11.5 | 17.3 |
| 183 | 10.7 | 8.9 | 13.3 |

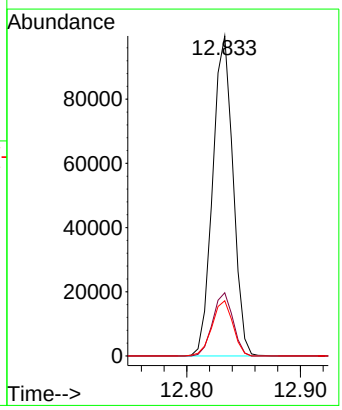


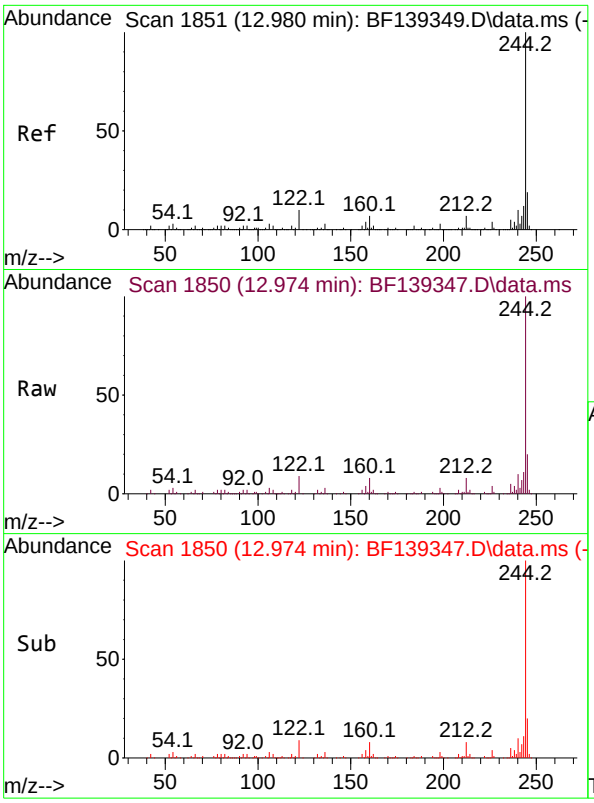




#78
Pyrene
Concen: 8.114 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:202 Resp: 123993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 16.2 | 24.2 |
| 203 | 17.2 | 13.9 | 20.9 |



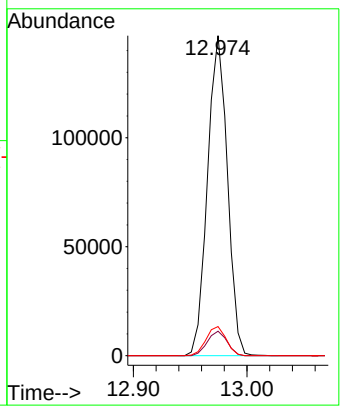


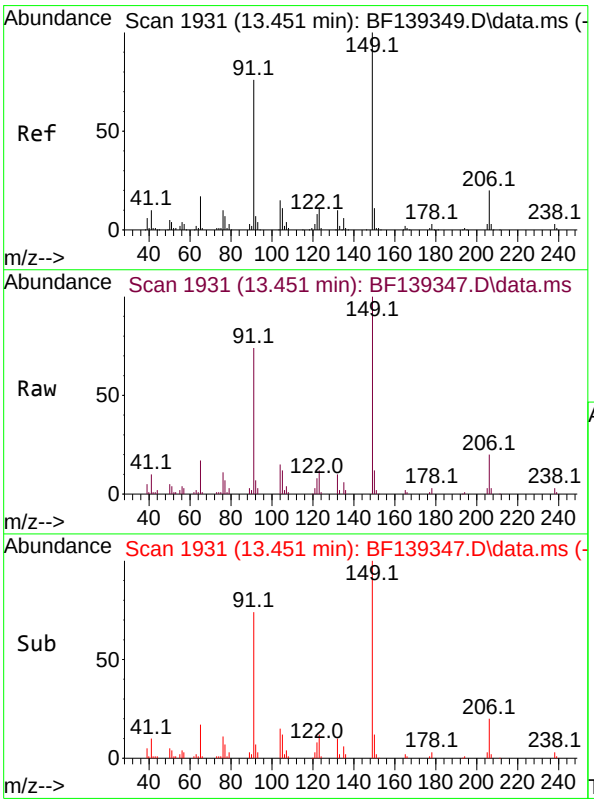

#79
Terphenyl-d14
Concen: 18.206 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:244 Resp: 178386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.0 | 9.0 |
| 122 | 9.1 | 7.6 | 11.4 |

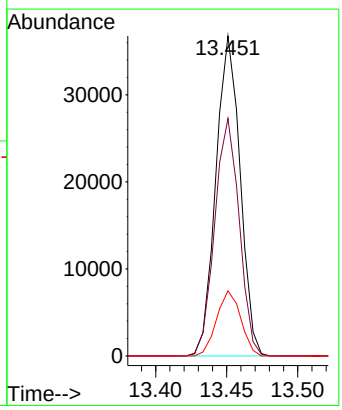


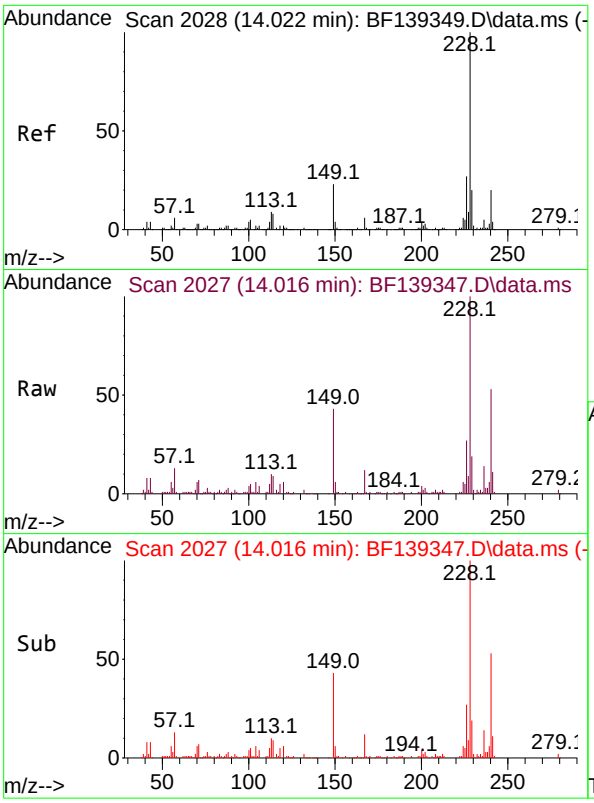




#80
Butylbenzylphthalate
Concen: 12.130 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:149 Resp: 43639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.2 | 60.9 | 91.3 |
| 206 | 20.3 | 15.8 | 23.8 |



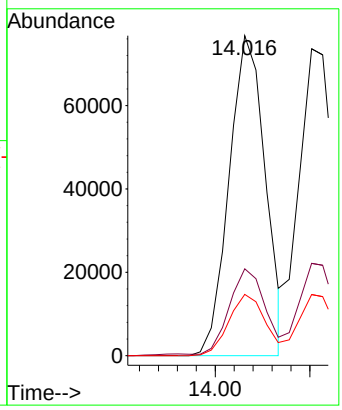


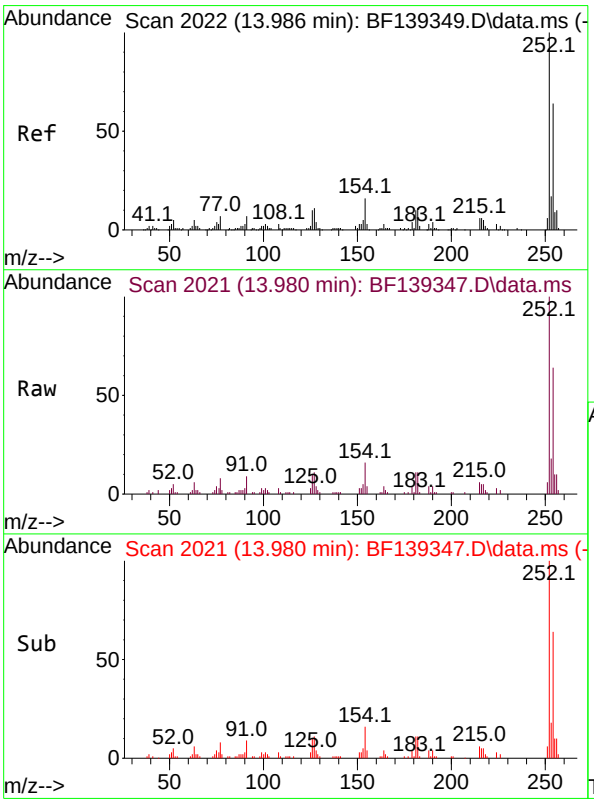

#81
Benzo(a)anthracene
Concen: 10.077 ng
RT: 14.016 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:228 Resp: 101798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.6 | 32.4 |
| 229 | 19.2 | 15.7 | 23.5 |

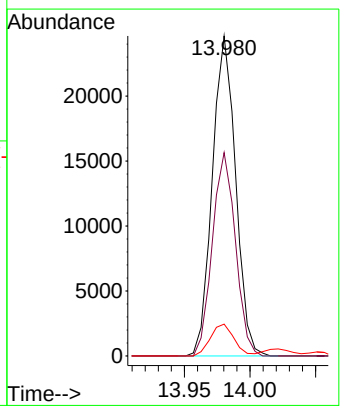


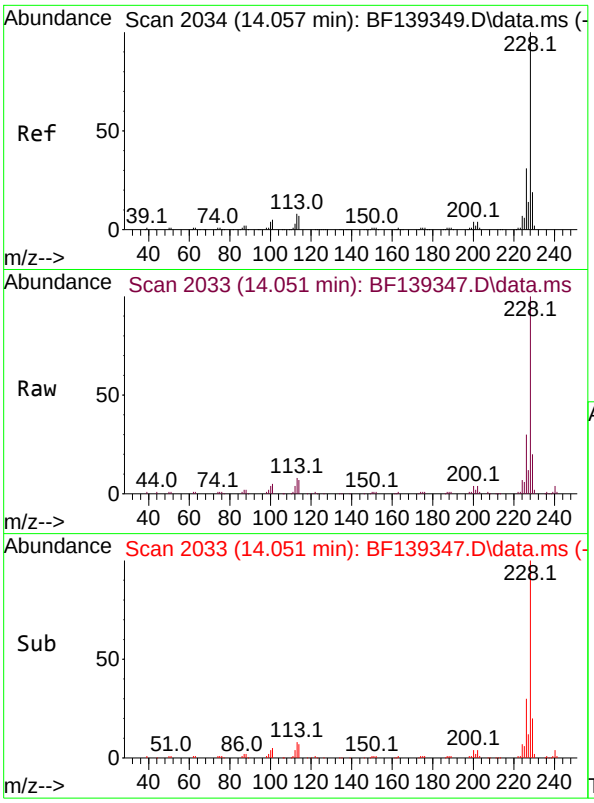




#82
3,3'-Dichlorobenzidine
Concen: 11.325 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:252 Resp: 30382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.5 | 51.4 | 77.2 |
| 126 | 10.0 | 7.7 | 11.5 |



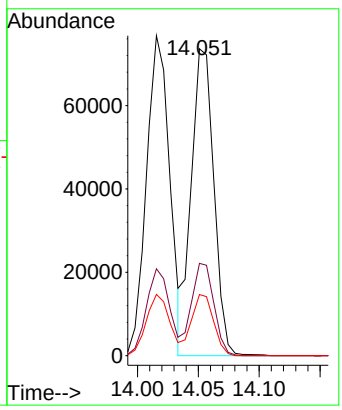


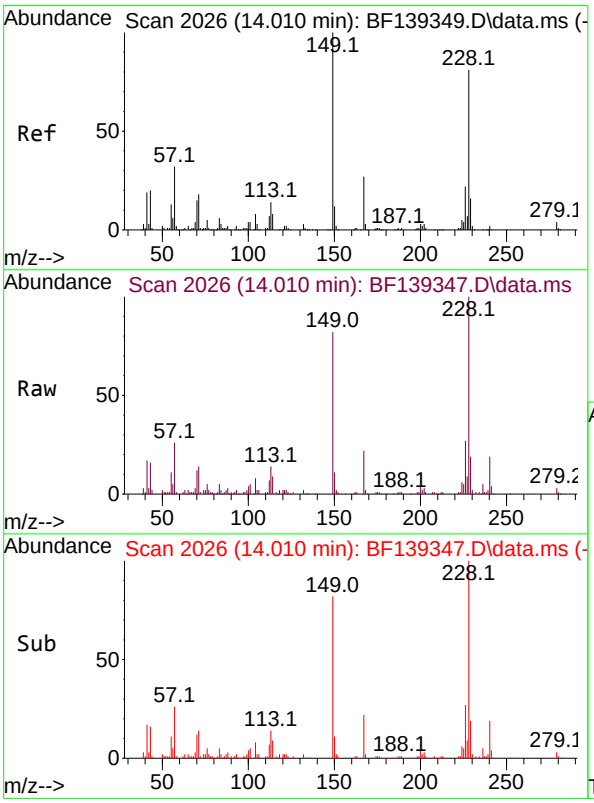

#83
Chrysene
Concen: 10.122 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:228 Resp: 95429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.9 | 15.4 | 23.0 |

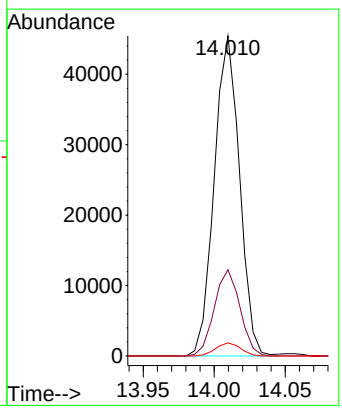


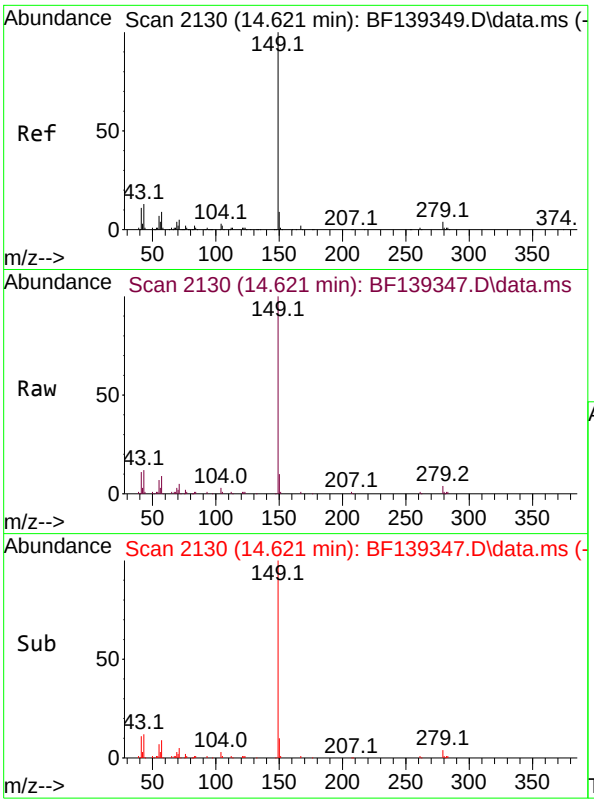




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.311 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:149 Resp: 56206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.6 | 32.4 |
| 279 | 4.1 | 3.3 | 4.9 |



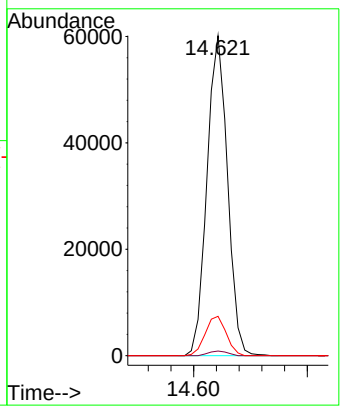


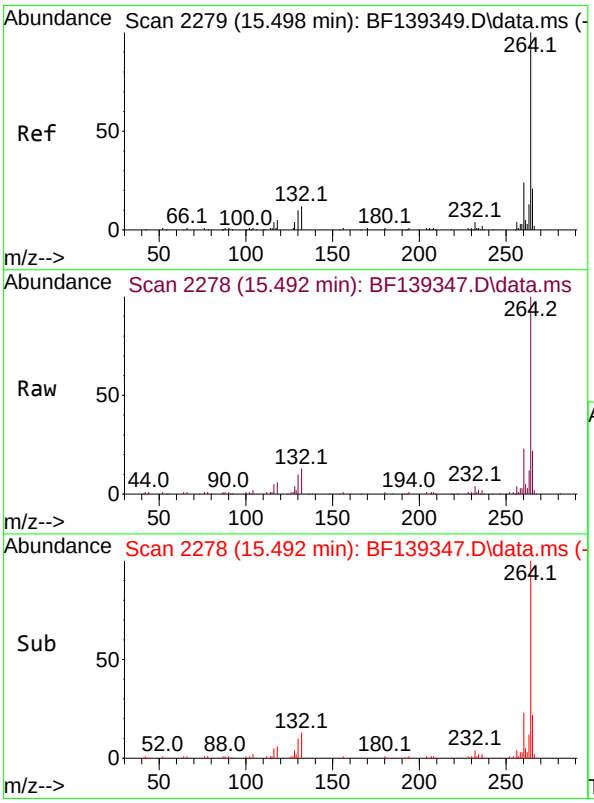

#85
Di-n-octyl phthalate
Concen: 9.330 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:149 Resp: 75430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.2 | 1.8 |
| 43 | 12.6 | 10.6 | 16.0 |

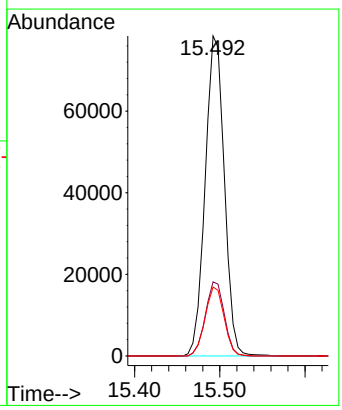


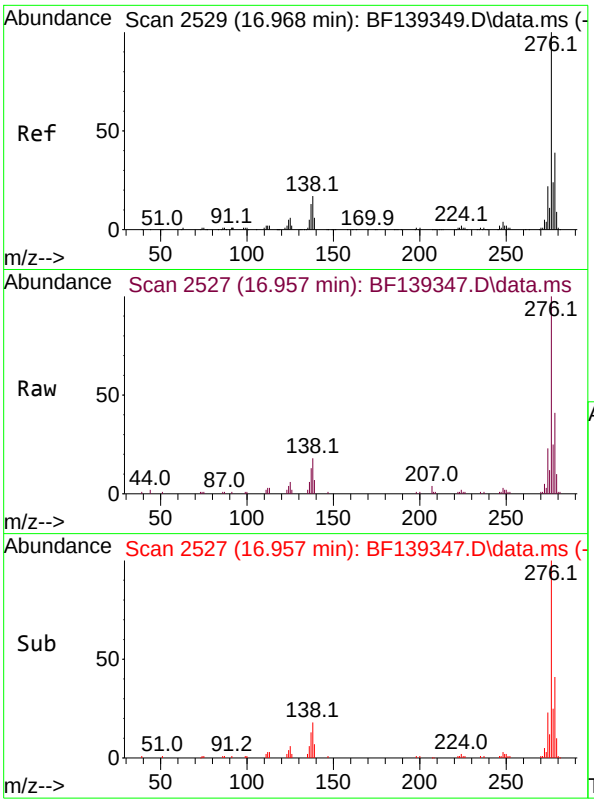




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:264 Resp: 122502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.5 | 29.3 |
| 265 | 21.6 | 16.6 | 25.0 |



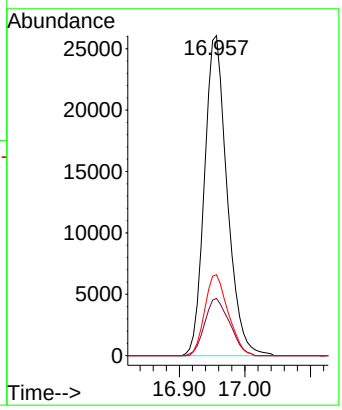


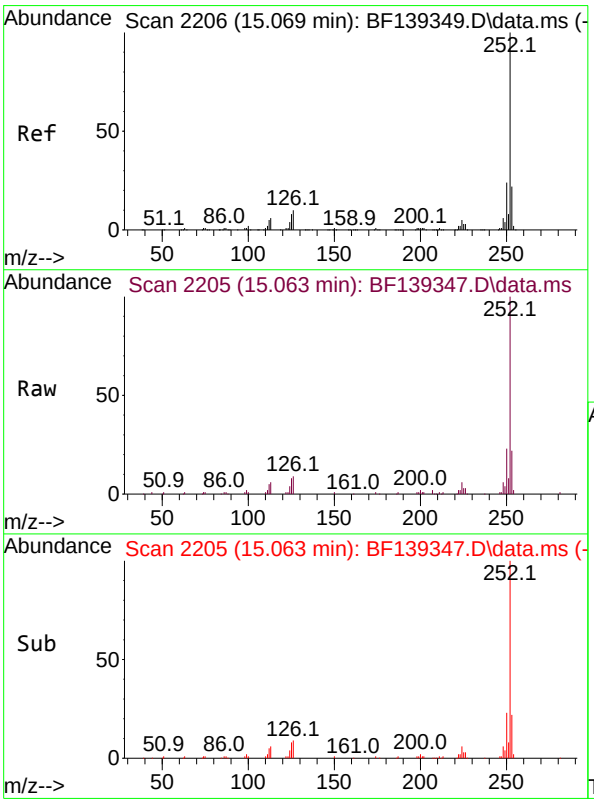

#87
Indeno(1,2,3-cd)pyrene
Concen: 8.200 ng
RT: 16.957 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:276 Resp: 62757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.7 | 15.4 | 23.2 |
| 277 | 26.1 | 20.4 | 30.6 |

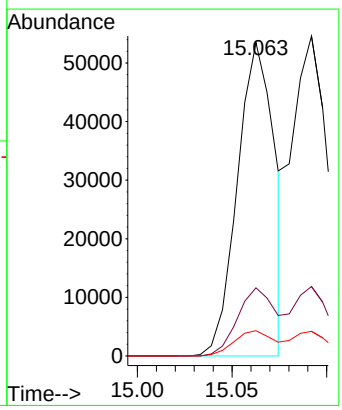


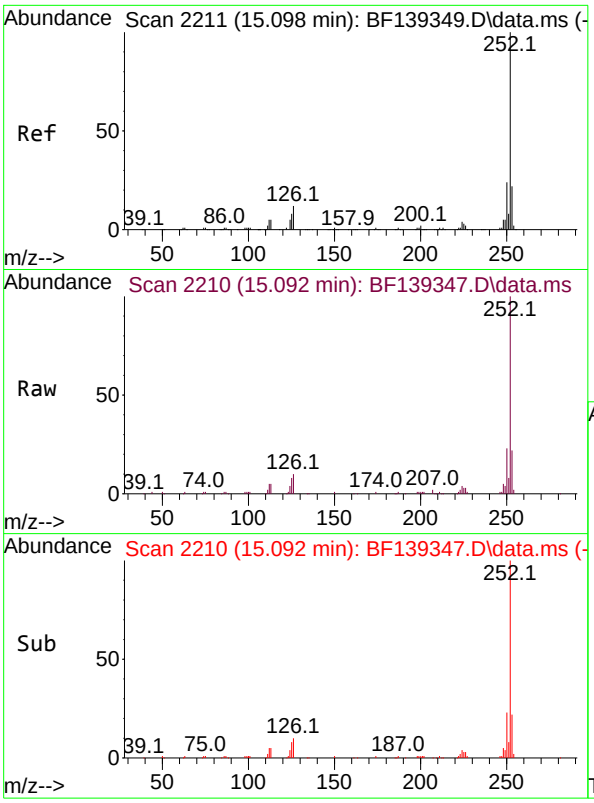




#88
Benzo(b)fluoranthene
Concen: 10.315 ng
RT: 15.063 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:252 Resp: 72770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.1 | 6.2 | 9.2 |



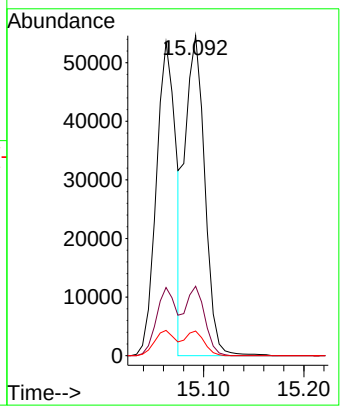


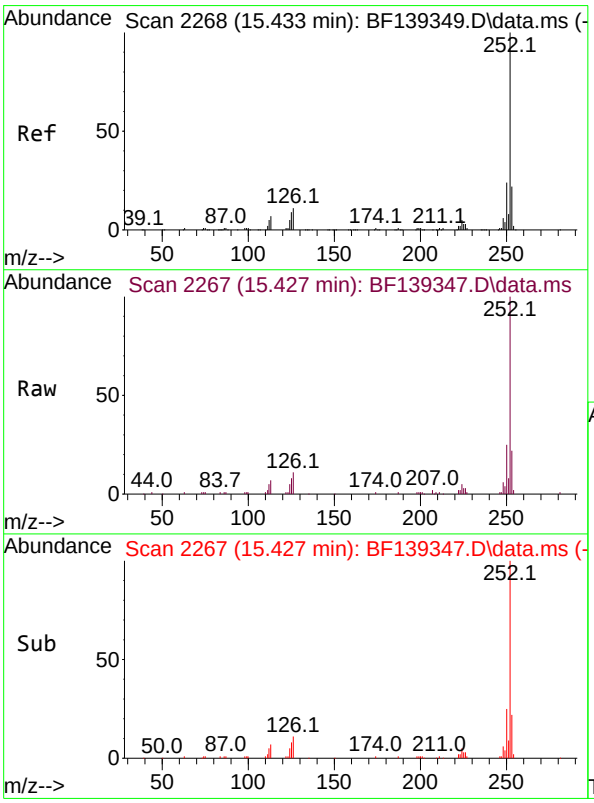

#89
Benzo(k)fluoranthene
Concen: 11.733 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:252 Resp: 74218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.3 | 25.9 |
| 125 | 7.7 | 5.9 | 8.9 |

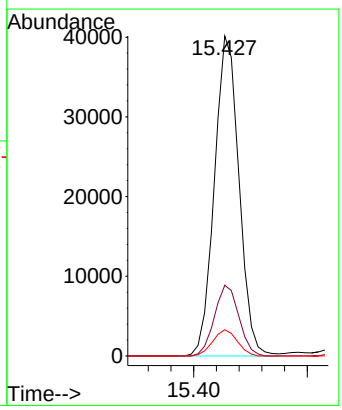


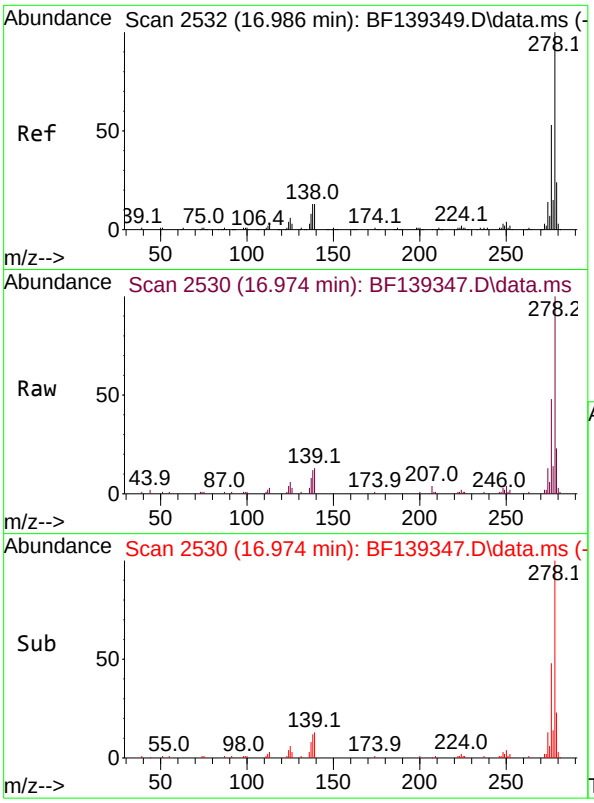




#90
Benzo(a)pyrene
Concen: 10.073 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:252 Resp: 60345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.3 | 25.9 |
| 125 | 8.2 | 6.8 | 10.2 |



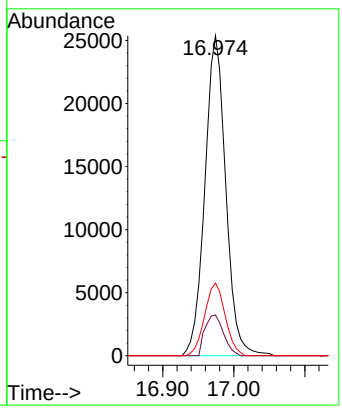


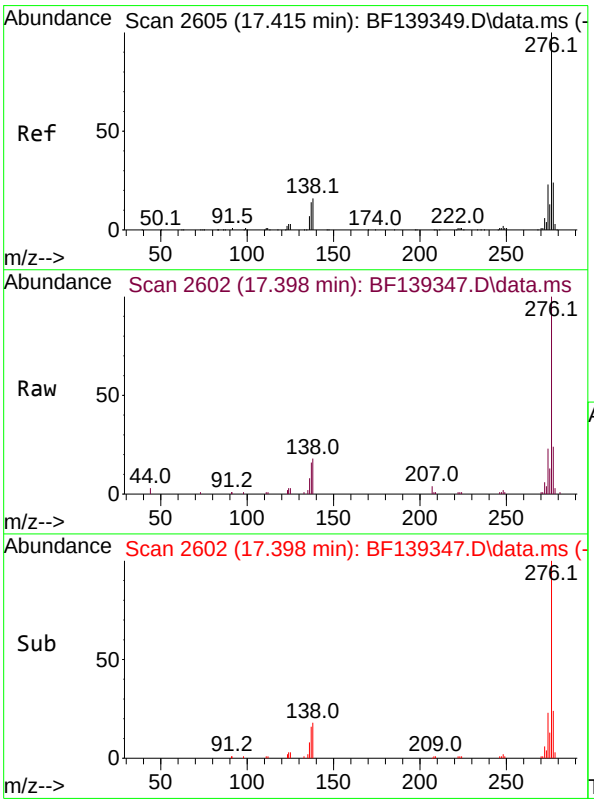

#91
Dibenzo(a,h)anthracene
Concen: 8.231 ng
RT: 16.974 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

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

Tgt Ion:278 Resp: 51908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.2 | 15.2 |
| 279 | 22.7 | 18.9 | 28.3 |

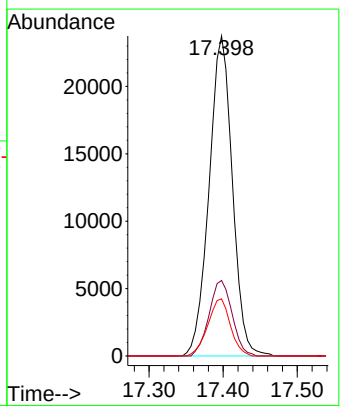



#92
Benzo(g,h,i)perylene
Concen: 7.961 ng
RT: 17.398 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF139347.D
Acq: 13 Sep 2024 15:28

Tgt Ion:276 Resp: 51824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.9 | 28.3 |
| 138 | 17.9 | 13.0 | 19.6 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139348.D
Acq On : 13 Sep 2024 15:57
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 14 02:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 50923 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 189834 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 105260 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 208290 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 135891 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 113195 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 128561 | 42.233 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 171089 | 42.101 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 164789 | 45.159 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 46306 | 50.945 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 310200 | 45.491 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.974 | 244 | 348294 | 41.382 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 26506 | 18.698 | ng | 95 |
| 3) Pyridine | 3.410 | 79 | 60091 | 17.561 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 49561 | 22.304 | ng | 99 |
| 6) Aniline | 6.540 | 93 | 64899 | 17.367 | ng | 97 |
| 8) 2-Chlorophenol | 6.657 | 128 | 66453 | 21.064 | ng | 97 |
| 9) Benzaldehyde | 6.428 | 77 | 51506 | 20.939 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 87023 | 20.302 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 60612 | 19.738 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 75121 | 21.037 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 77764 | 21.758 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 71860 | 21.557 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 67807 | 22.880 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 104227 | 17.829 | ng | 99 |
| 17) 2-Methylphenol | 7.122 | 107 | 54852 | 21.285 | ng | 96 |
| 18) Hexachloroethane | 7.392 | 117 | 28758 | 22.529 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 52195 | 22.301 | ng | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 71930 | 22.147 | ng | 97 |
| 22) Acetophenone | 7.287 | 105 | 101503 | 22.444 | ng | 94 |
| 24) Nitrobenzene | 7.457 | 77 | 83852 | 21.650 | ng | 99 |
| 25) Isophorone | 7.692 | 82 | 132546 | 21.246 | ng | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 32132 | 21.123 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 43771 | 20.176 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 73765 | 19.846 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 54056 | 20.810 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 63736 | 21.484 | ng | 98 |
| 31) Naphthalene | 8.181 | 128 | 198468 | 20.645 | ng | 100 |
| 32) Benzoic acid | 7.892 | 122 | 41479 | 20.990 | ng | 97 |
| 33) 4-Chloroaniline | 8.228 | 127 | 63412 | 19.050 | ng | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 43255 | 23.009 | ng | 98 |
| 35) Caprolactam | 8.581 | 113 | 16927 | 21.049 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 63754 | 22.523 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 129773 | 21.576 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 127098 | 21.486 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 63941 | 21.471 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 23604 | 24.662 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 40837 | 20.958 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139348.D
Acq On : 13 Sep 2024 15:57
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 14 02:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 44874 | 21.977 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 164874 | 21.141 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 124318 | 21.111 | ng | | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 45879 | 22.619 | ng | | 97 |
| 49) Acenaphthylene | 9.775 | 152 | 189337 | 21.347 | ng | | 99 |
| 50) Dimethylphthalate | 9.628 | 163 | 142488 | 22.334 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 31924 | 22.057 | ng | | 99 |
| 52) Acenaphthene | 9.945 | 154 | 131194 | 22.302 | ng | | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 32773 | 21.253 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 15677 | 25.295 | ng | # | 78 |
| 55) Dibenzofuran | 10.116 | 168 | 182945 | 21.691 | ng | | 99 |
| 56) 4-Nitrophenol | 10.010 | 139 | 25626 | 22.515 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 41181 | 22.355 | ng | | 95 |
| 58) Fluorene | 10.457 | 166 | 149842 | 22.915 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232 | 38272 | 23.811 | ng | | 97 |
| 60) Diethylphthalate | 10.328 | 149 | 147877 | 23.553 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 72779 | 23.079 | ng | | 99 |
| 62) 4-Nitroaniline | 10.469 | 138 | 36226 | 24.679 | ng | | 98 |
| 63) Azobenzene | 10.610 | 77 | 144713 | 21.869 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 21797 | 22.648 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 123420 | 20.356 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 41859 | 20.713 | ng | | 97 |
| 68) Hexachlorobenzene | 11.004 | 284 | 47538 | 20.548 | ng | | 98 |
| 69) Atrazine | 11.092 | 200 | 29971 | 21.426 | ng | | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 29804 | 22.302 | ng | | 100 |
| 71) Phenanthrene | 11.422 | 178 | 206521 | 21.224 | ng | | 99 |
| 72) Anthracene | 11.469 | 178 | 202170 | 21.269 | ng | | 99 |
| 73) Carbazole | 11.627 | 167 | 199586 | 22.466 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 223465 | 24.566 | ng | | 100 |
| 75) Fluoranthene | 12.604 | 202 | 236740 | 24.268 | ng | | 100 |
| 77) Benzidine | 12.727 | 184 | 35663 | 13.034 | ng | | 97 |
| 78) Pyrene | 12.833 | 202 | 243332 | 18.536 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 85593 | 27.698 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 190760 | 21.984 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 53835 | 23.362 | ng | | 99 |
| 83) Chrysene | 14.057 | 228 | 163920 | 20.240 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 110906 | 30.577 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 146208 | 21.054 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.957 | 276 | 133029 | 18.812 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.063 | 252 | 150795 | 23.132 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 125290 | 21.436 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.433 | 252 | 116755 | 21.093 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.980 | 278 | 110187 | 18.908 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.404 | 276 | 110255 | 18.329 | ng | | 99 |

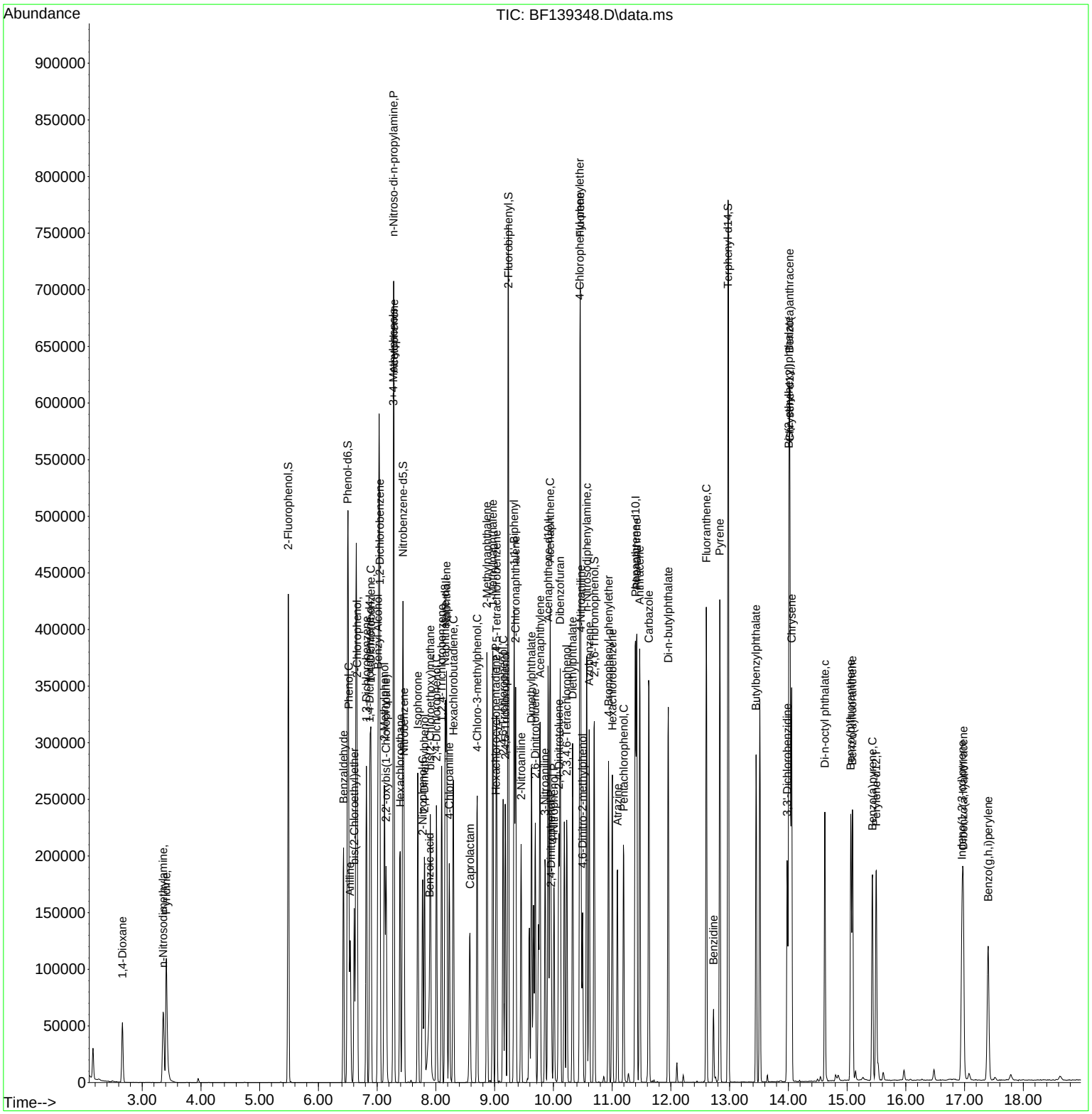
(#) = qualifier out of range (m) = manual integration (+) = signals summed

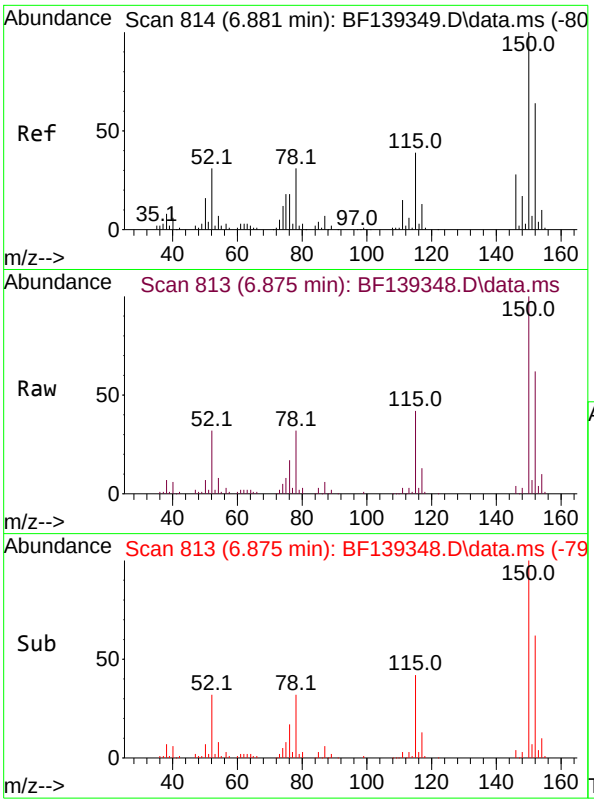
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139348.D
Acq On : 13 Sep 2024 15:57
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 14 02:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration



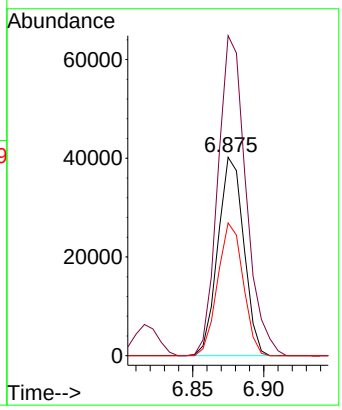


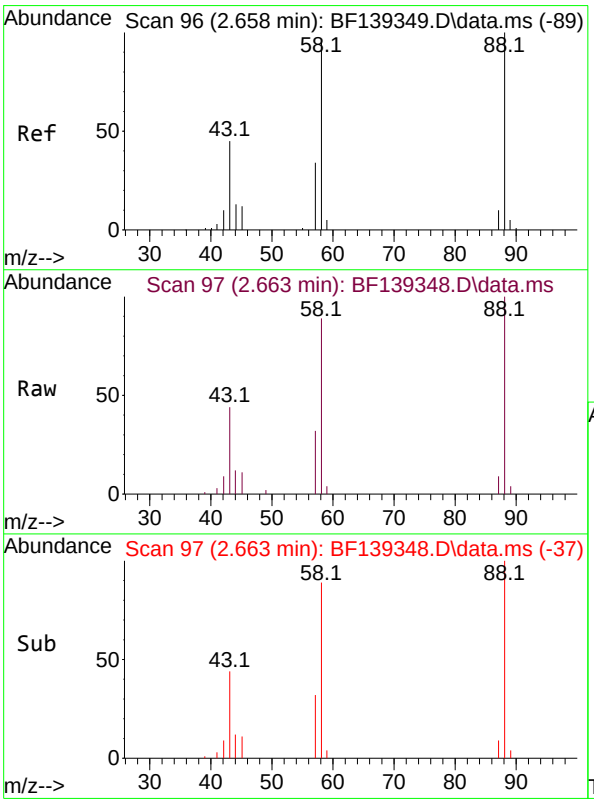

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:152 Resp: 50923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.3 | 124.1 | 186.1 |
| 115 | 67.0 | 48.1 | 72.1 |

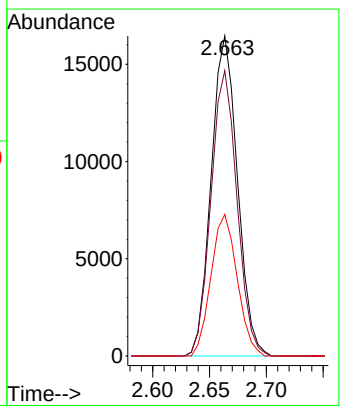


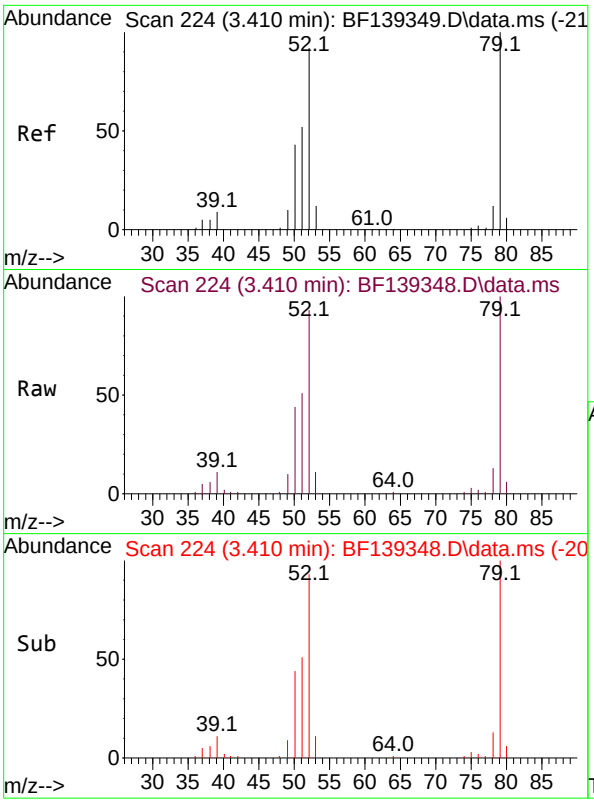




#2
1,4-Dioxane
Concen: 18.698 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 88 Resp: 26506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.1 | 74.8 | 112.2 |
| 43 | 44.0 | 36.4 | 54.6 |



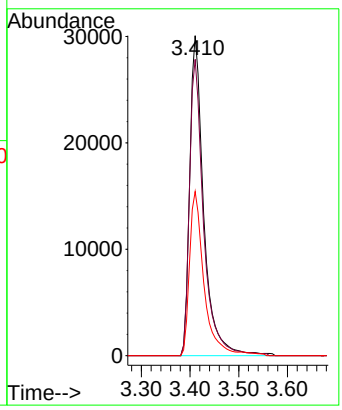


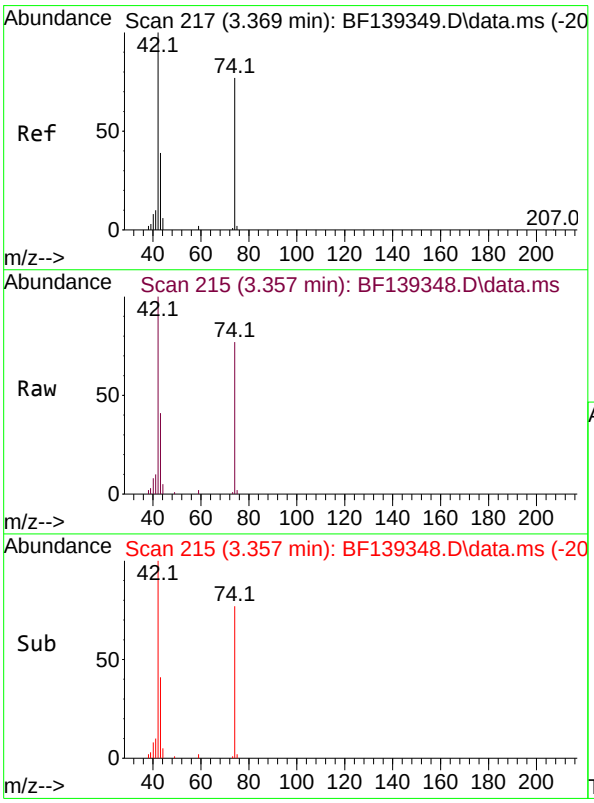

#3
Pyridine
Concen: 17.561 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 79 Resp: 60091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.6 | 73.8 | 110.8 |
| 51 | 51.3 | 41.8 | 62.6 |

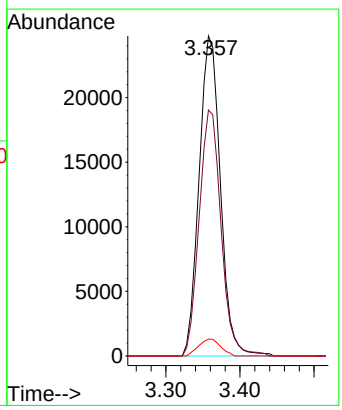


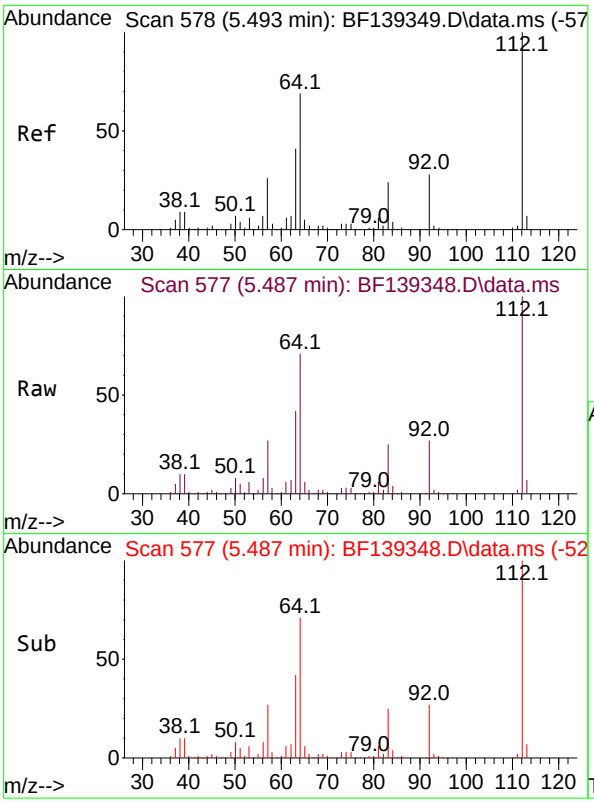




#4
n-Nitrosodimethylamine
Concen: 22.304 ng
RT: 3.357 min Scan# 215
Delta R.T. -0.012 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 42 Resp: 49561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 76.9 | 61.8 | 92.8 |
| 44 | 5.2 | 4.8 | 7.2 |



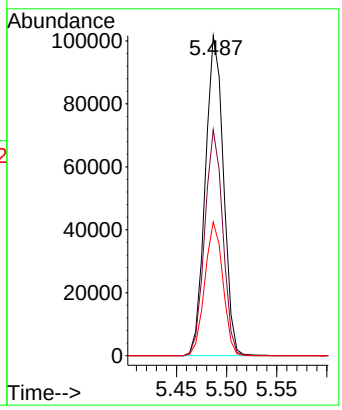


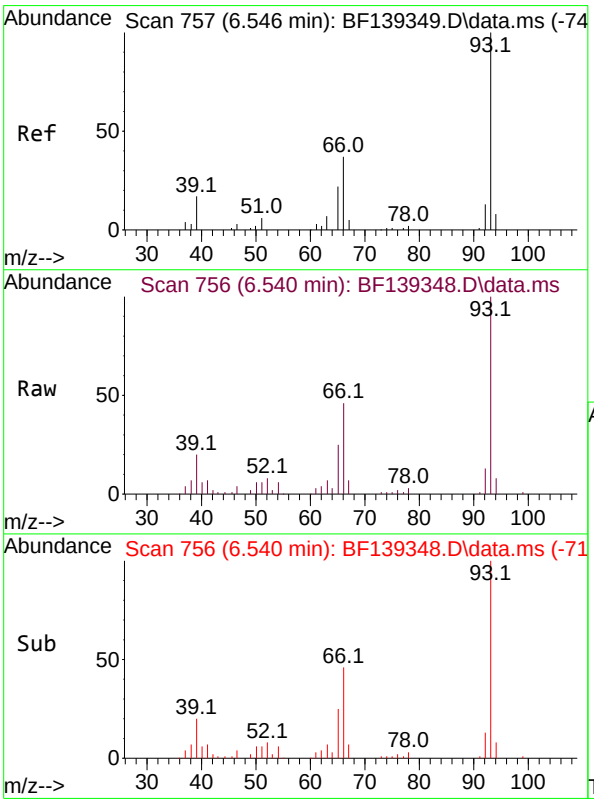

#5
2-Fluorophenol
Concen: 42.233 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:112 Resp: 128561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.6 | 54.8 | 82.2 |
| 63 | 41.8 | 33.0 | 49.4 |

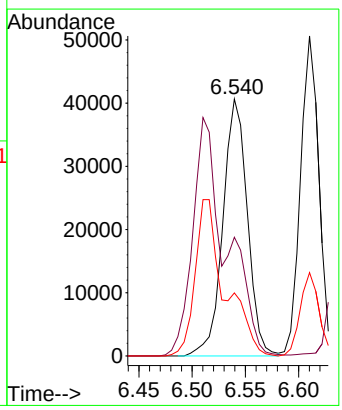


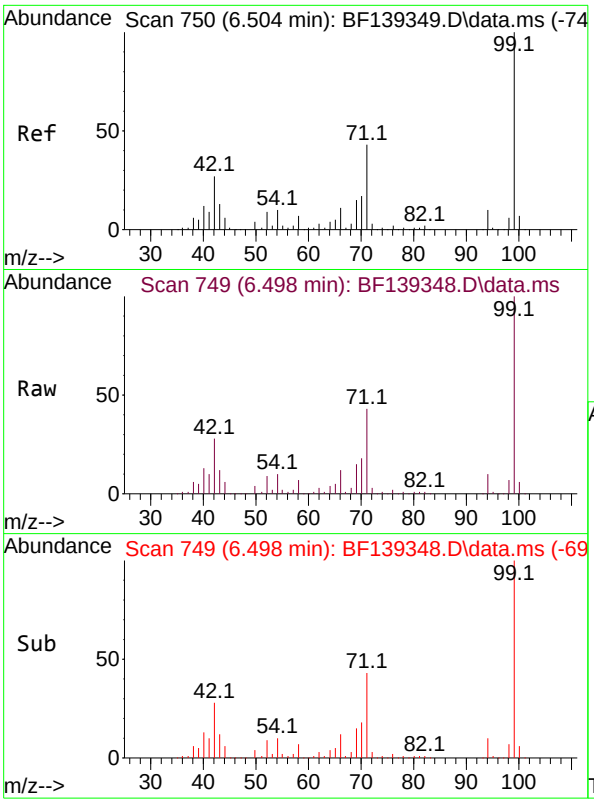




#6
Aniline
Concen: 17.367 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.030 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 93 Resp: 64899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 46.2 | 35.4 | 53.0 |
| 65 | 24.5 | 18.2 | 27.4 |



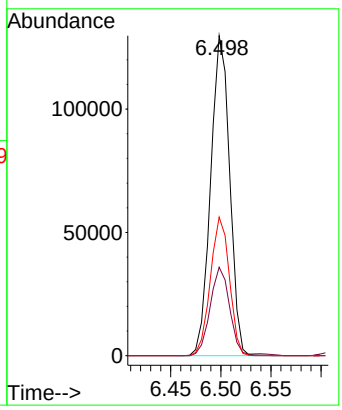


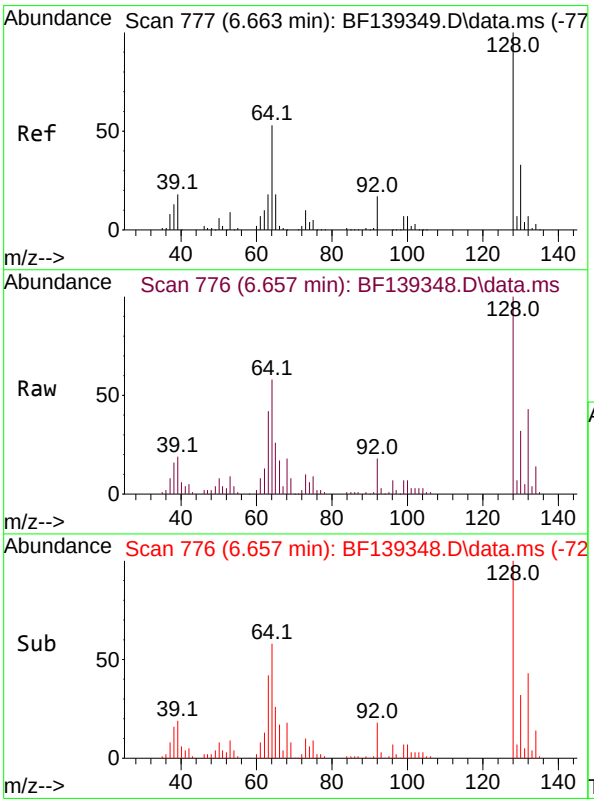

#7
Phenol-d6
Concen: 42.101 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 99 Resp: 171089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.7 | 21.9 | 32.9 |
| 71 | 43.3 | 34.6 | 52.0 |

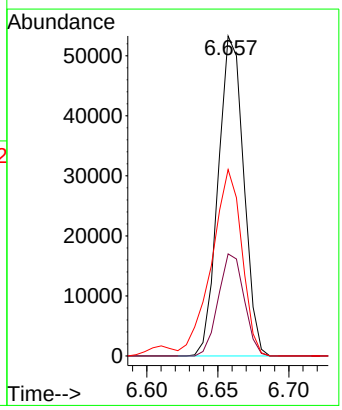


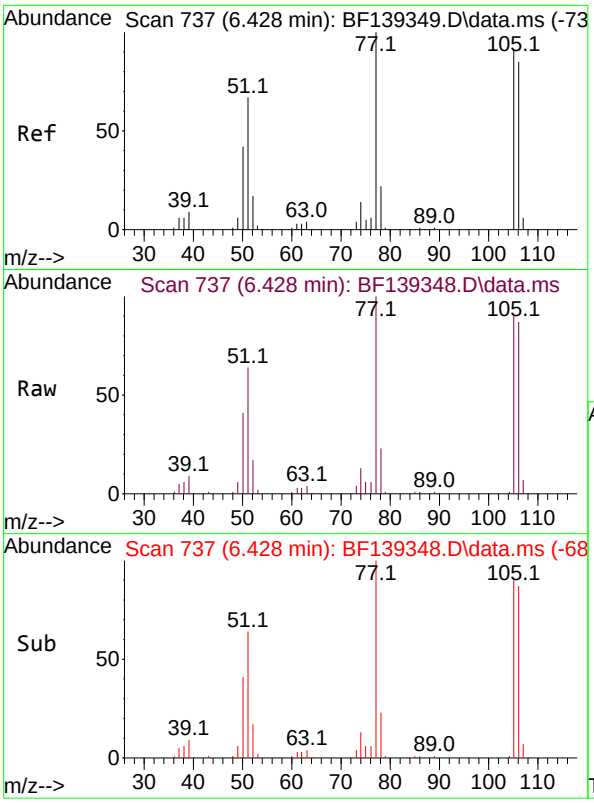




#8
2-Chlorophenol
Concen: 21.064 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:128 Resp: 66453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.9 | 12.8 | 52.8 |
| 64 | 58.3 | 35.1 | 75.1 |



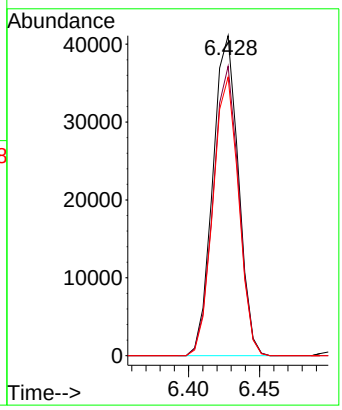


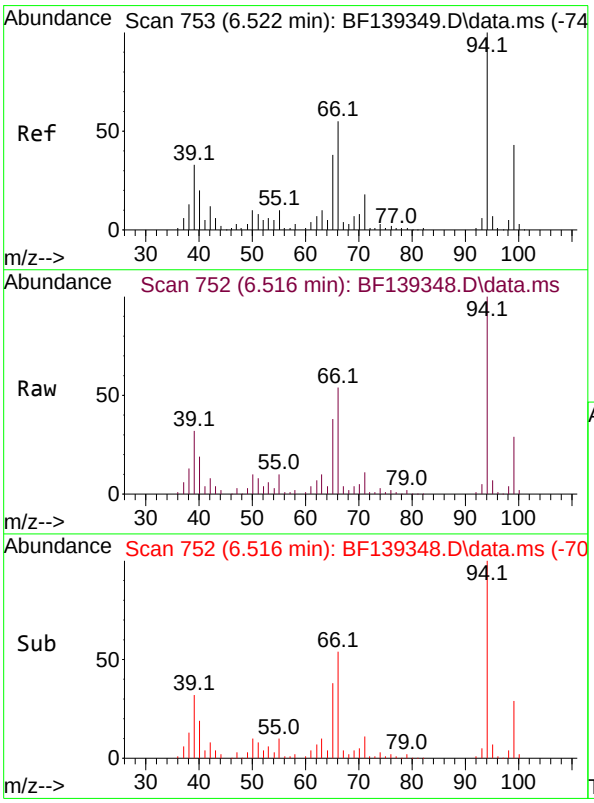

#9
Benzaldehyde
Concen: 20.939 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 77 Resp: 51506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.4 | 71.0 | 111.0 |
| 106 | 87.1 | 64.9 | 104.9 |

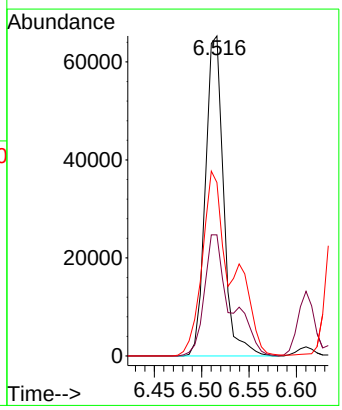


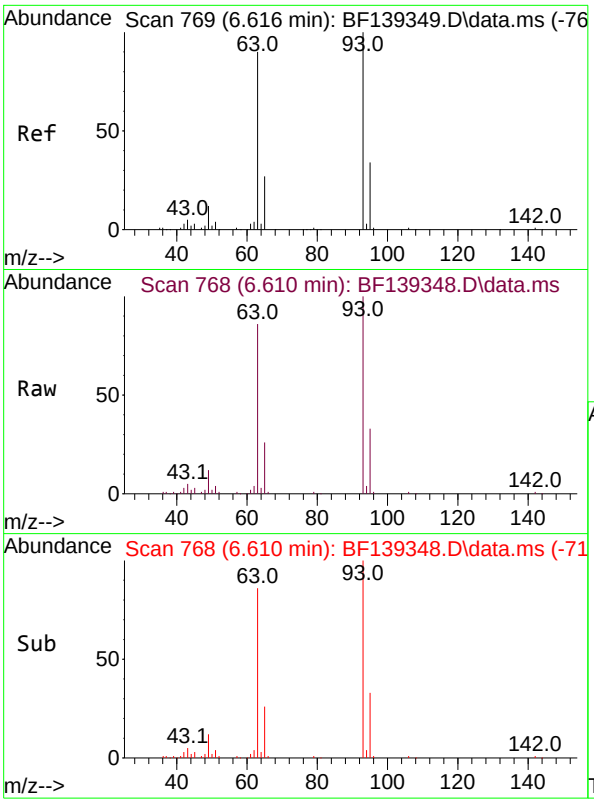




#10
Phenol
Concen: 20.302 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 94 Resp: 87023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.9 | 17.6 | 57.6 |
| 66 | 54.2 | 35.2 | 75.2 |



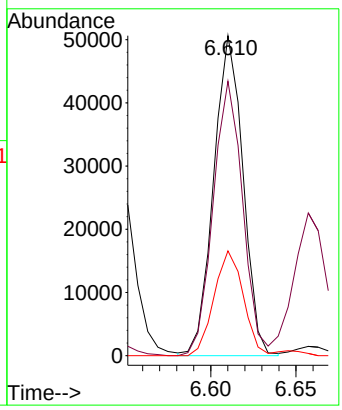


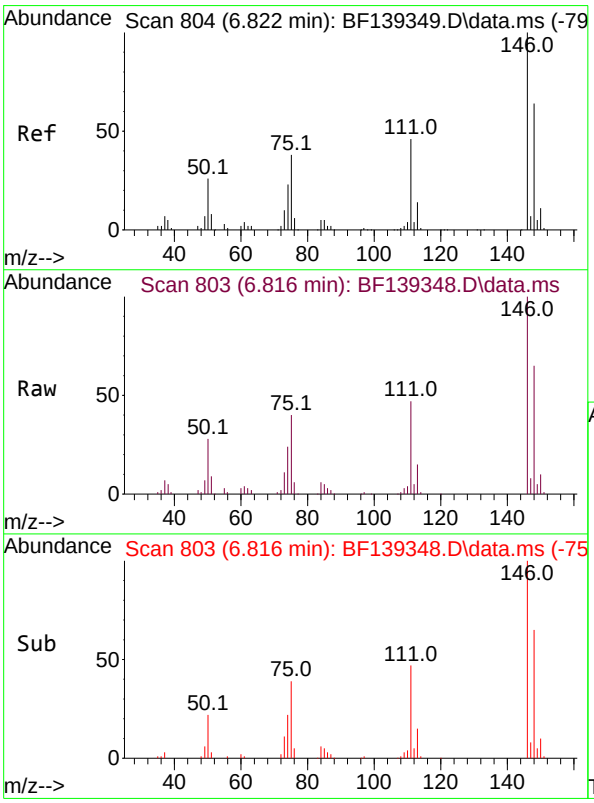

#11
bis(2-Chloroethyl)ether
Concen: 19.738 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 93 Resp: 60612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.7 | 65.3 | 105.3 |
| 95 | 32.8 | 12.4 | 52.4 |

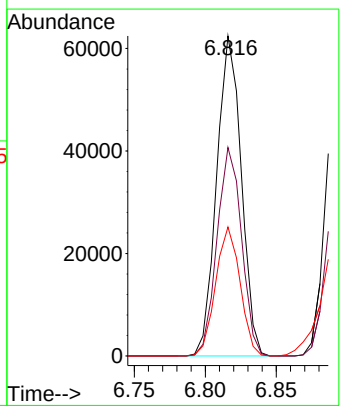


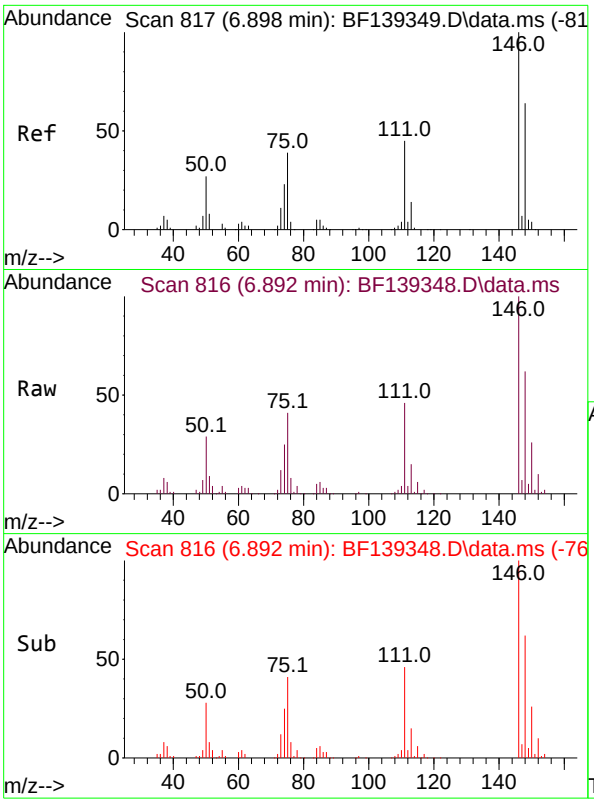




#12
1,3-Dichlorobenzene
Concen: 21.037 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:146 Resp: 75121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.2 | 76.8 |
| 75 | 40.3 | 30.6 | 46.0 |



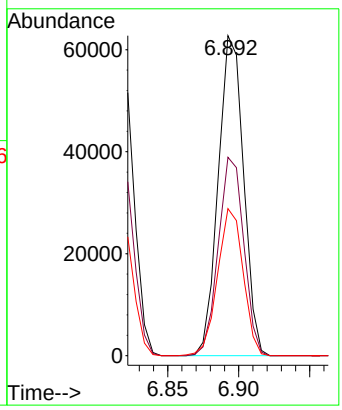


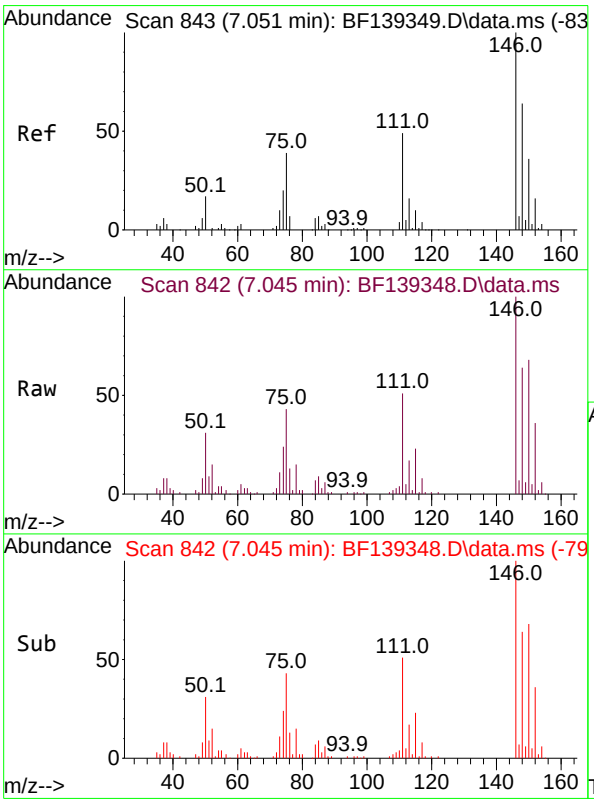

#13
1,4-Dichlorobenzene
Concen: 21.758 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:146 Resp: 77764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.0 | 50.9 | 76.3 |
| 111 | 46.0 | 36.3 | 54.5 |

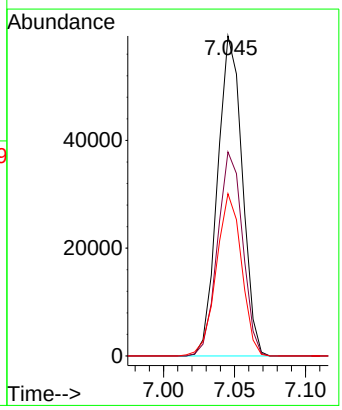


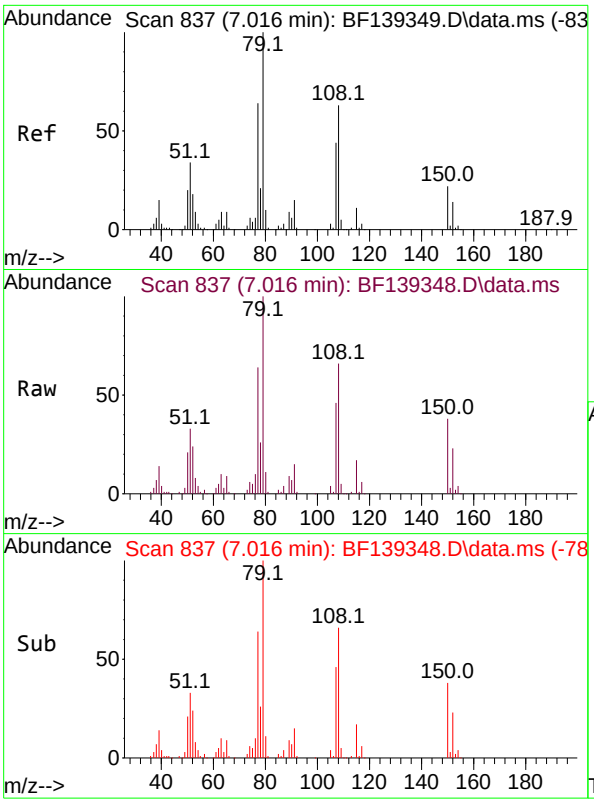




#14
1,2-Dichlorobenzene
Concen: 21.557 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:146 Resp: 71860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.9 | 76.3 |
| 111 | 50.7 | 38.9 | 58.3 |



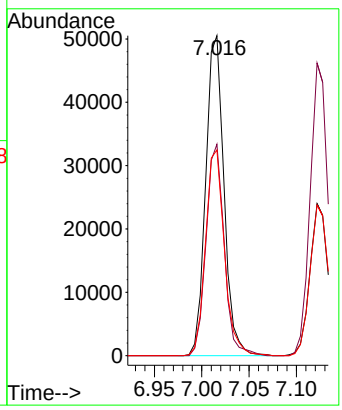


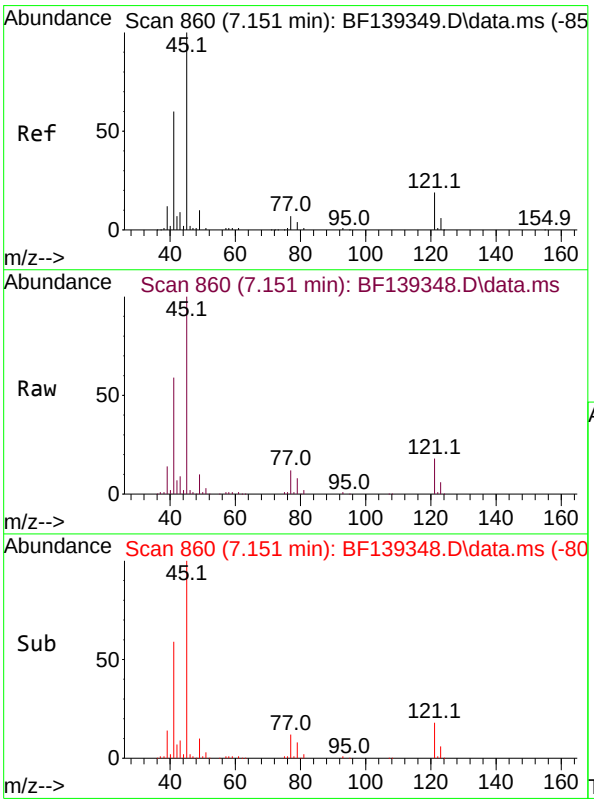

#15
Benzyl Alcohol
Concen: 22.880 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 79 Resp: 67807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 66.1 | 50.4 | 75.6 |
| 77 | 64.3 | 51.4 | 77.2 |

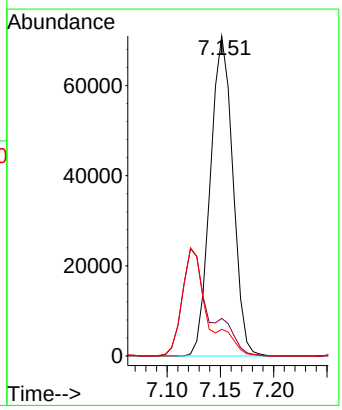


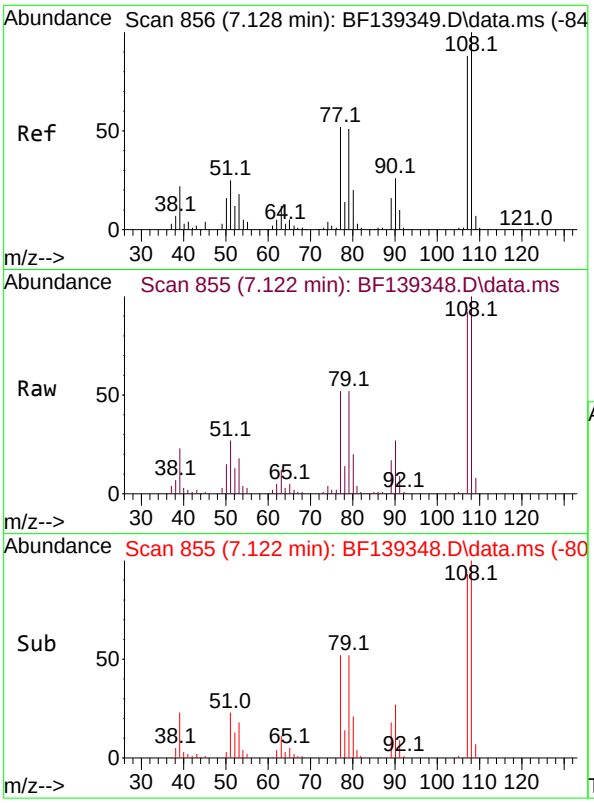




#16
2,2'-oxybis(1-Chloropropane)
Concen: 17.829 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 45 Resp: 104227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.8 | 0.0 | 32.0 |
| 79 | 8.4 | 0.0 | 29.1 |



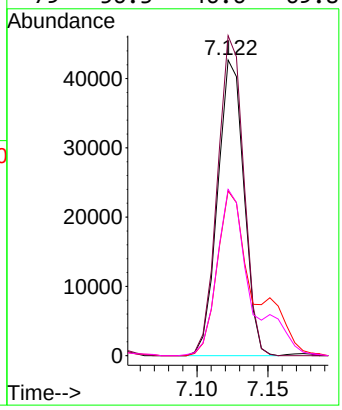


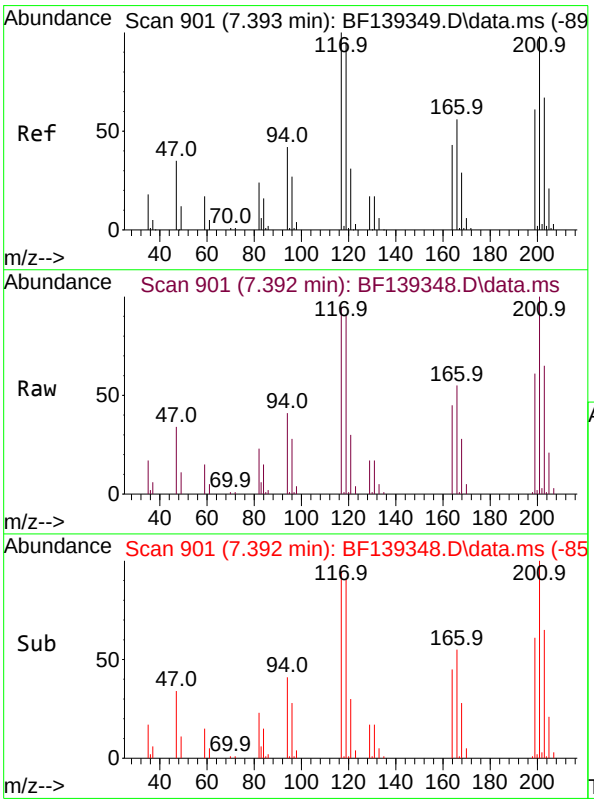

#17
2-Methylphenol
Concen: 21.285 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:107 Resp: 54852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 108.2 | 90.5 | 135.7 |
| 77 | 55.7 | 47.1 | 70.7 |
| 79 | 56.3 | 46.6 | 69.8 |

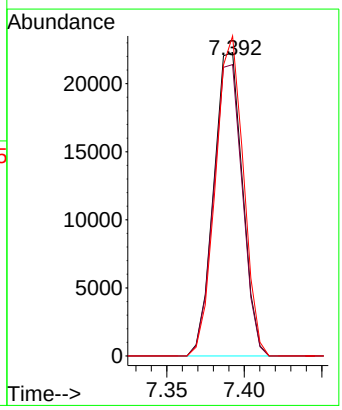


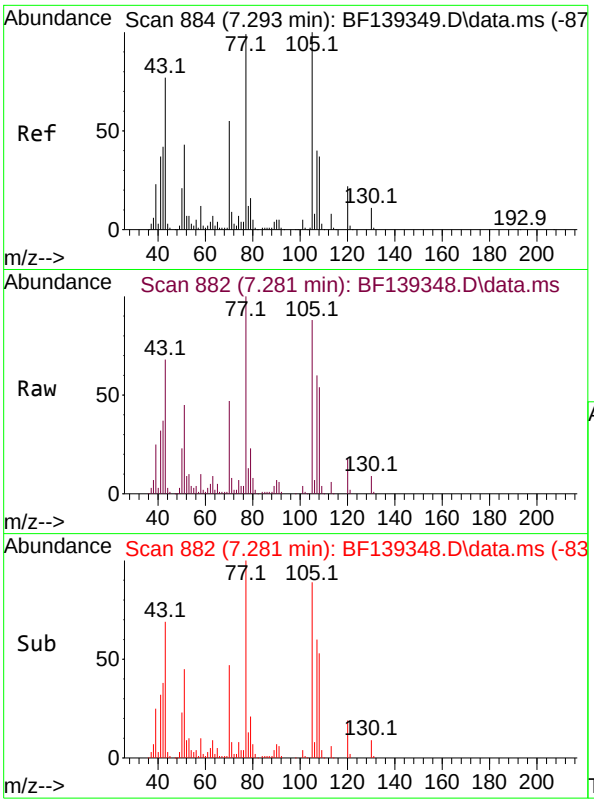




#18
Hexachloroethane
Concen: 22.529 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:117 Resp: 28758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.8 | 113.8 |
| 201 | 105.5 | 78.6 | 118.0 |



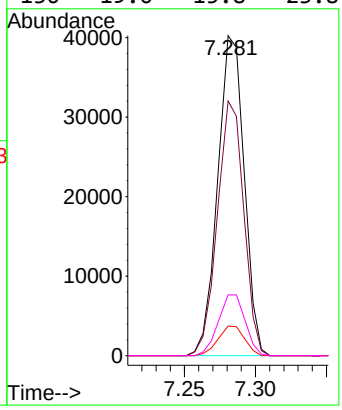


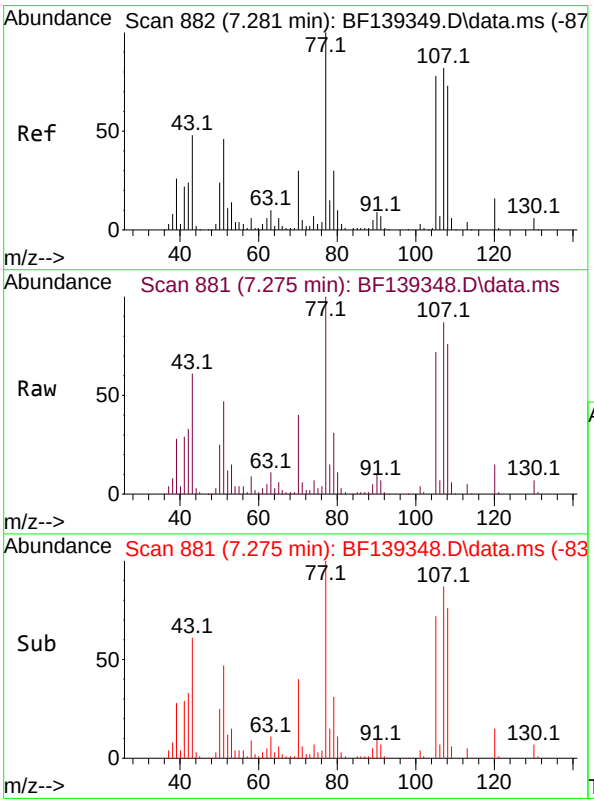

#19
n-Nitroso-di-n-propylamine
Concen: 22.301 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 70 Resp: 52195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 79.6 | 61.2 | 91.8 |
| 101 | 9.3 | 7.5 | 11.3 |
| 130 | 19.0 | 15.8 | 23.8 |

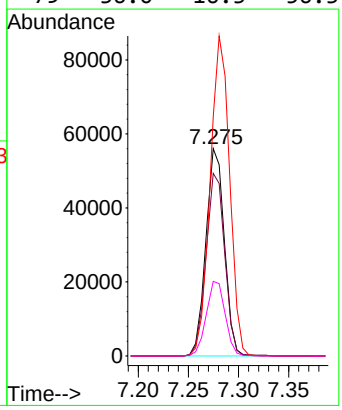


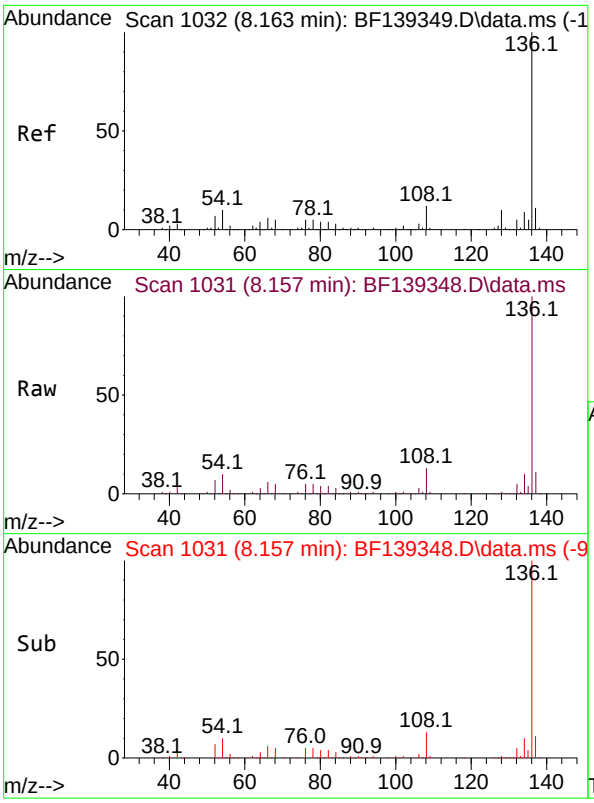




#20
3+4-Methylphenols
Concen: 22.147 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:107 Resp: 71930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 68.6 | 108.6 |
| 77 | 115.3 | 101.6 | 141.6 |
| 79 | 36.0 | 16.3 | 56.3 |



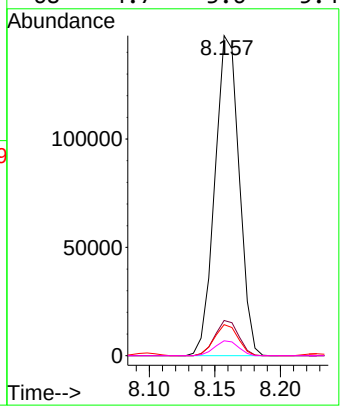


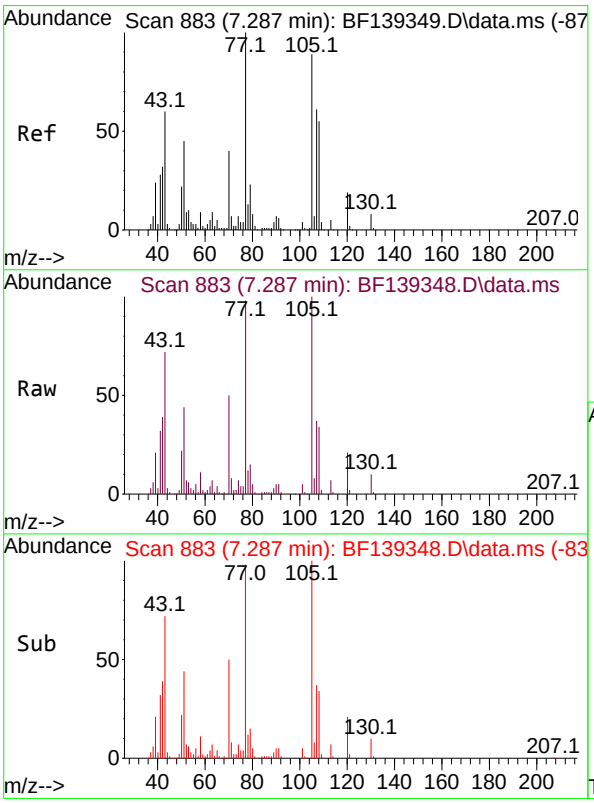

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:136 Resp: 189834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 12.8 |
| 54 | 9.7 | 7.8 | 11.8 |
| 68 | 4.7 | 3.6 | 5.4 |

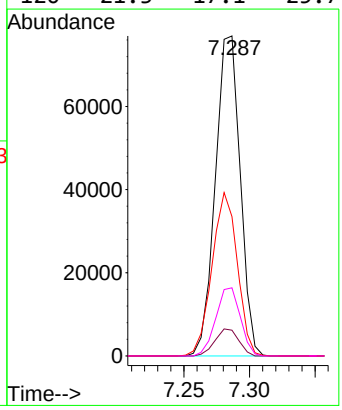


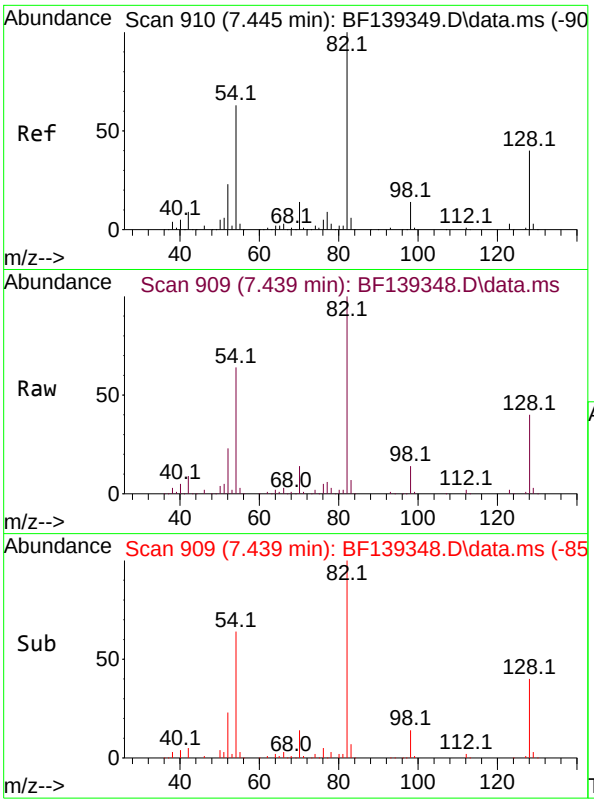




#22
Acetophenone
Concen: 22.444 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:105 Resp: 101503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 5.9 | 8.9 |
| 51 | 43.5 | 40.0 | 60.0 |
| 120 | 21.3 | 17.1 | 25.7 |



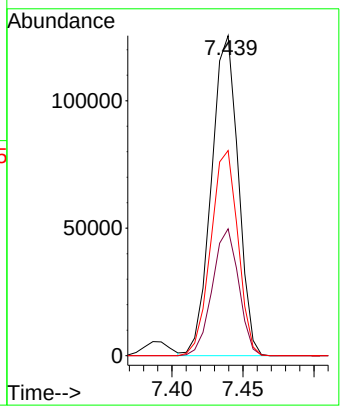


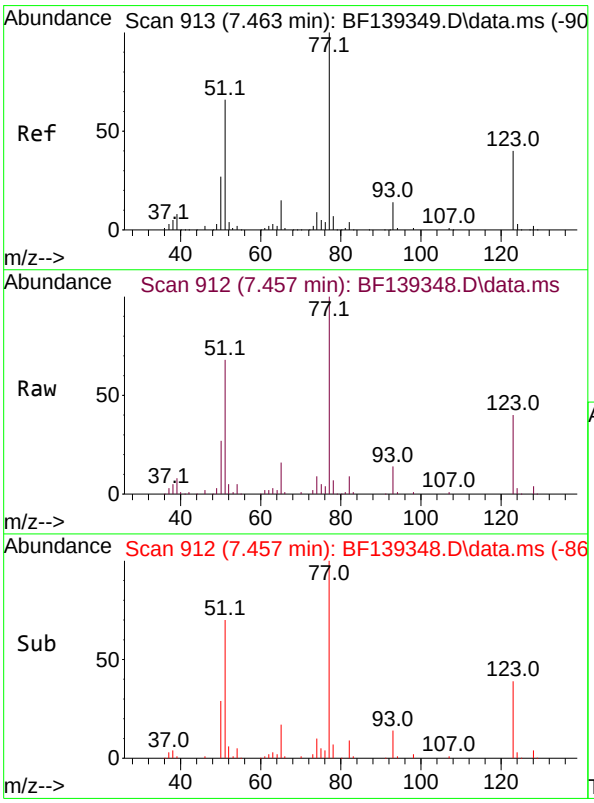

#23
Nitrobenzene-d5
Concen: 45.159 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 82 Resp: 164789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.7 | 31.8 | 47.6 |
| 54 | 64.1 | 50.6 | 75.8 |

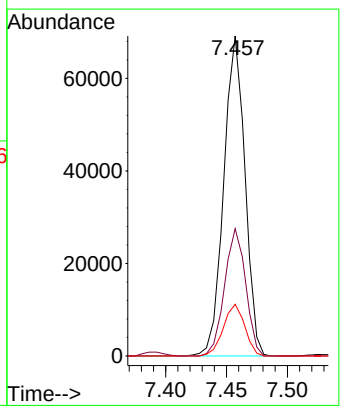


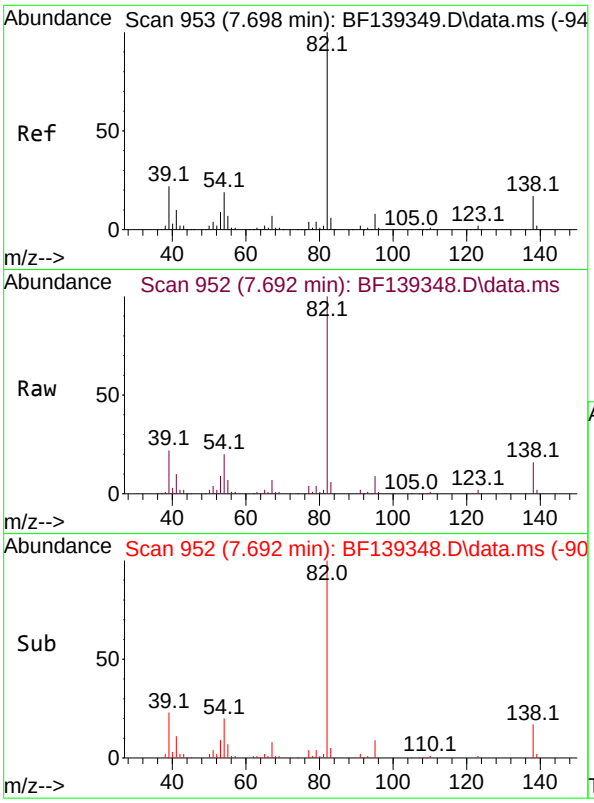




#24
Nitrobenzene
Concen: 21.650 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 77 Resp: 83852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 39.8 | 32.2 | 48.4 |
| 65 | 16.2 | 12.2 | 18.4 |



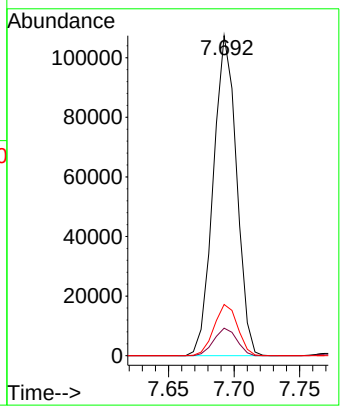


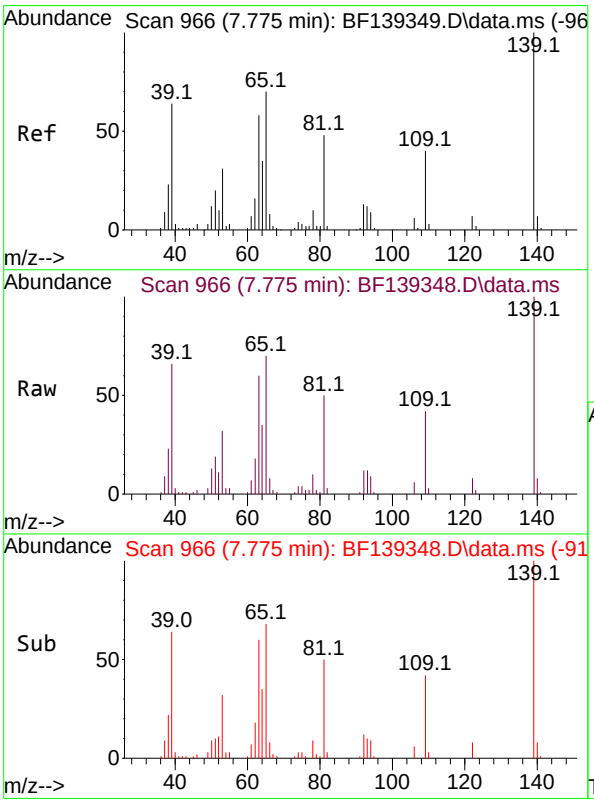

#25
Isophorone
Concen: 21.246 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 82 Resp: 132546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.6 | 6.7 | 10.1 |
| 138 | 16.0 | 13.3 | 19.9 |

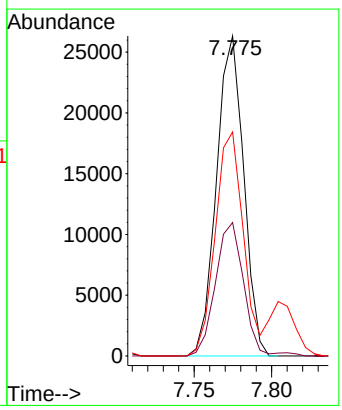


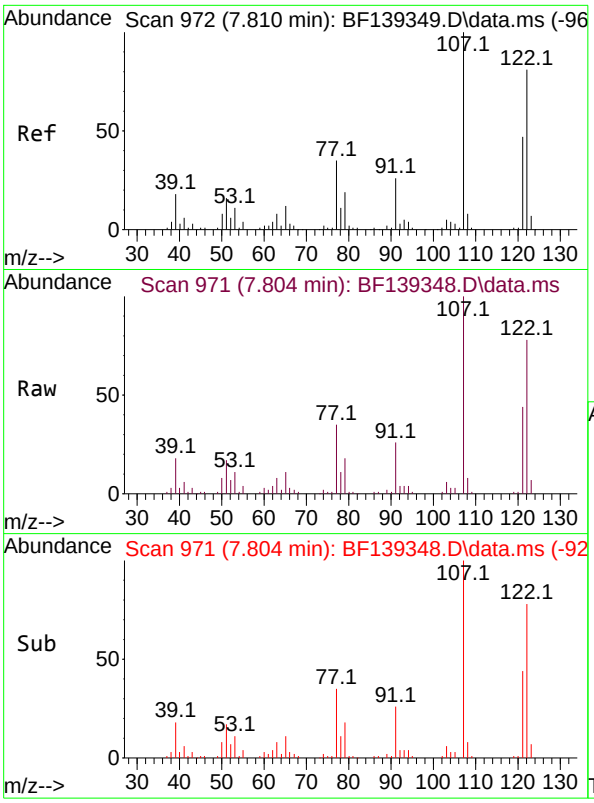




#26
2-Nitrophenol
Concen: 21.123 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:139 Resp: 32132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 41.7 | 32.2 | 48.2 |
| 65 | 70.0 | 55.8 | 83.8 |



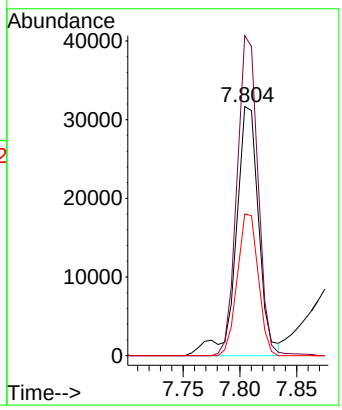


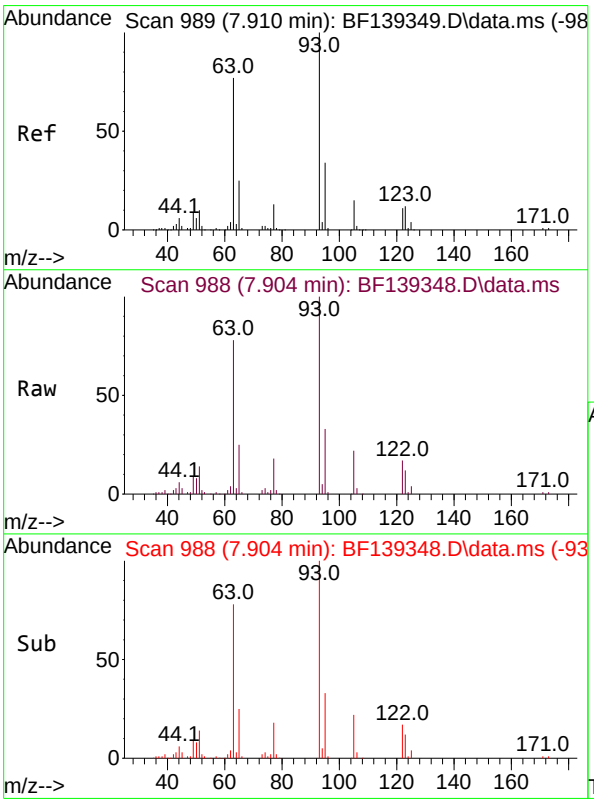

#27
2,4-Dimethylphenol
Concen: 20.176 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:122 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 128.4 | 99.1 | 148.7 |
| 121 | 56.9 | 46.6 | 70.0 |

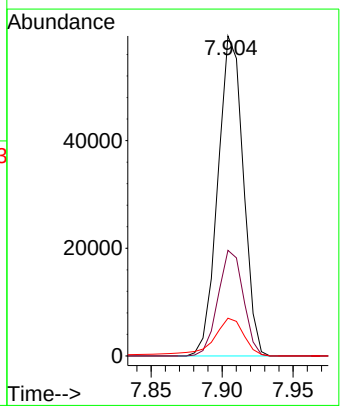


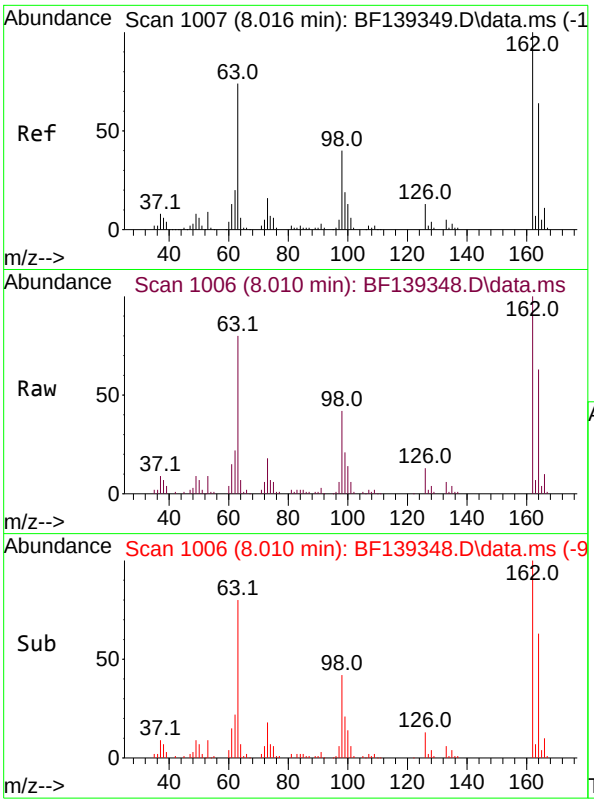




#28
bis(2-Chloroethoxy)methane
Concen: 19.846 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 93 Resp: 73765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.9 | 40.3 |
| 123 | 11.8 | 10.0 | 15.0 |



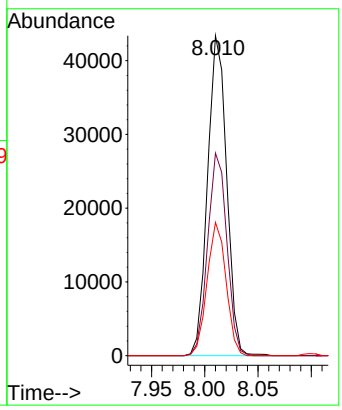


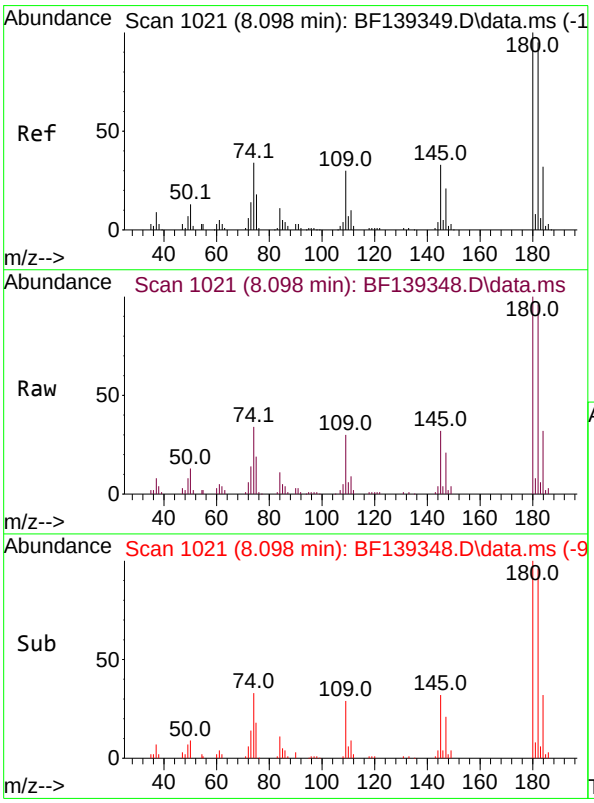

#29
2,4-Dichlorophenol
Concen: 20.810 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:162 Resp: 54056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 43.6 | 83.6 |
| 98 | 41.6 | 19.7 | 59.7 |

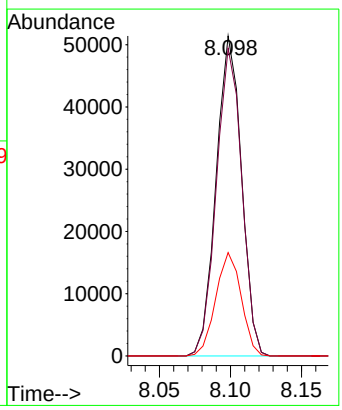


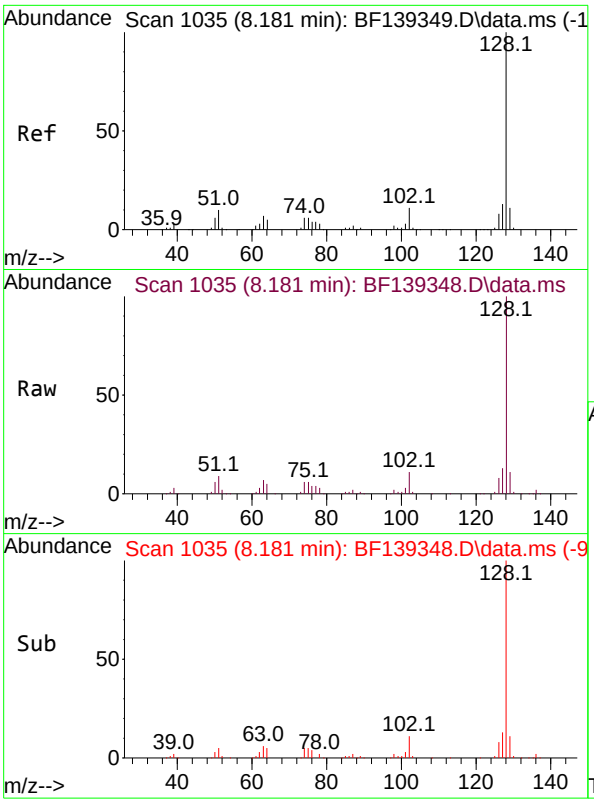




#30
1,2,4-Trichlorobenzene
Concen: 21.484 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:180 Resp: 63736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 75.7 | 113.5 |
| 145 | 32.3 | 26.5 | 39.7 |



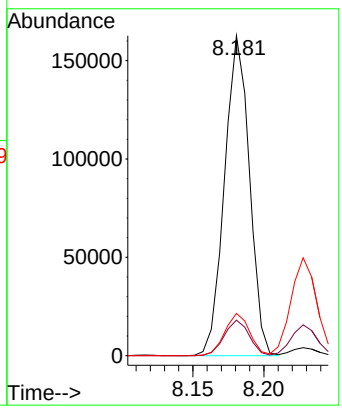


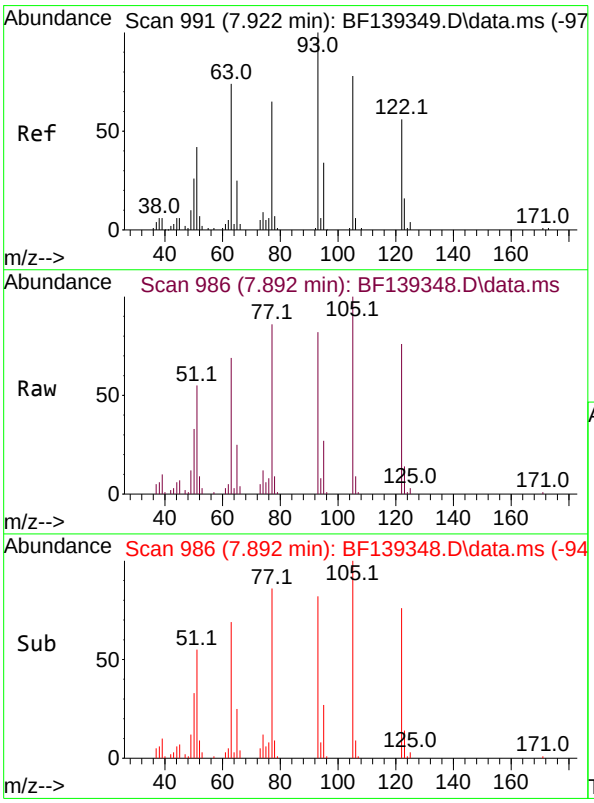

#31
Naphthalene
Concen: 20.645 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:128 Resp: 198468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.6 | 13.0 |
| 127 | 13.2 | 10.6 | 16.0 |

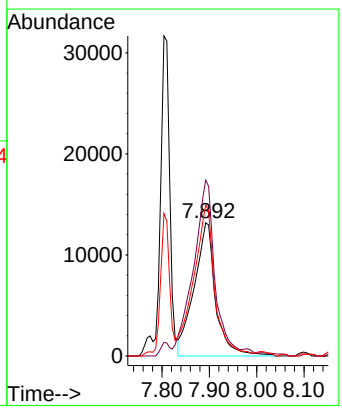


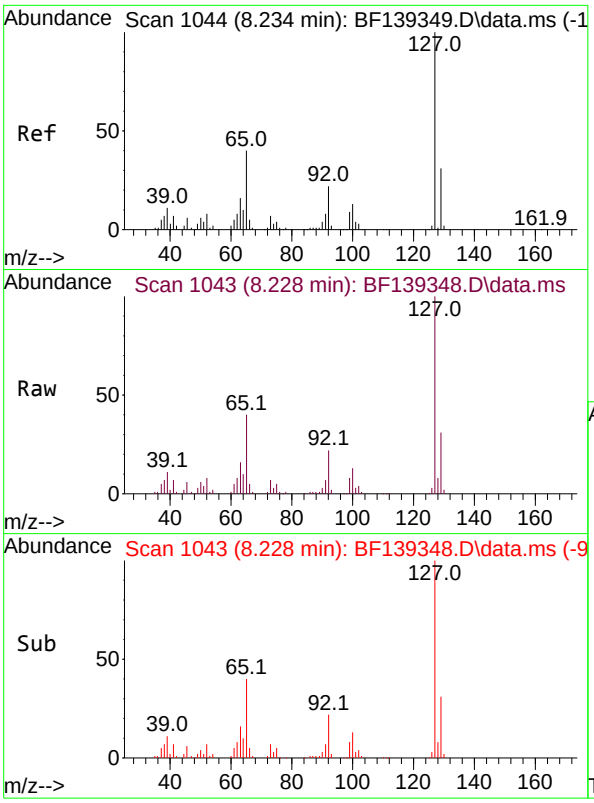




#32
Benzoic acid
Concen: 20.990 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.030 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:122 Resp: 41479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 132.1 | 117.1 | 157.1 |
| 77 | 113.3 | 95.4 | 135.4 |



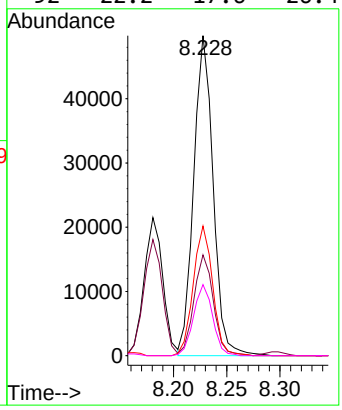


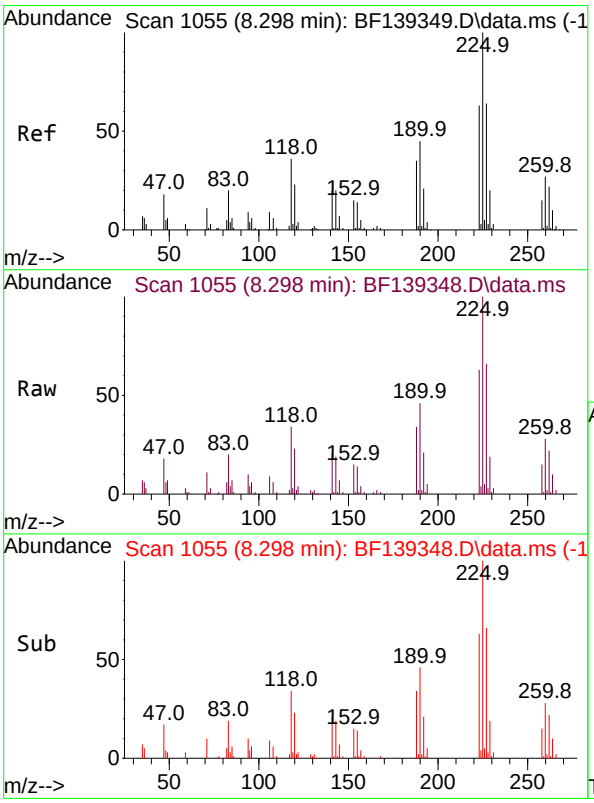

#33
4-Chloroaniline
Concen: 19.050 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:127 Resp: 63412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.5 | 25.5 | 38.3 |
| 65 | 40.5 | 31.5 | 47.3 |
| 92 | 22.2 | 17.6 | 26.4 |

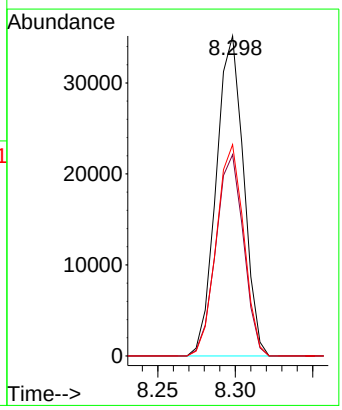


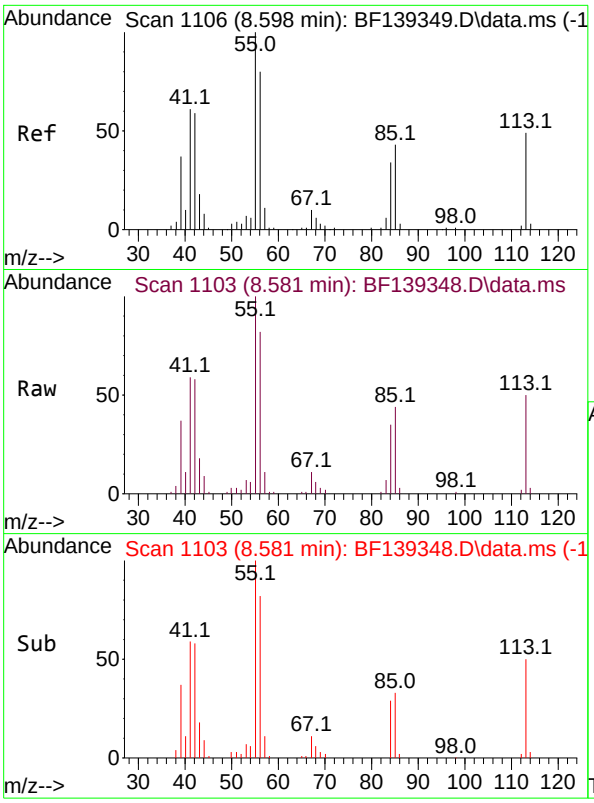




#34
Hexachlorobutadiene
Concen: 23.009 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:225 Resp: 43255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 50.1 | 75.1 |
| 227 | 66.1 | 51.0 | 76.6 |



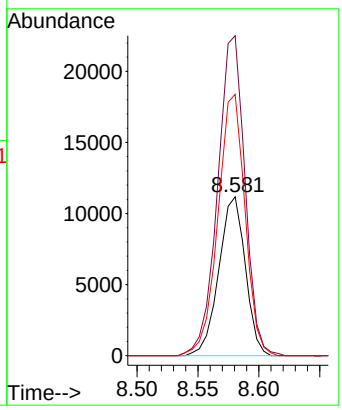


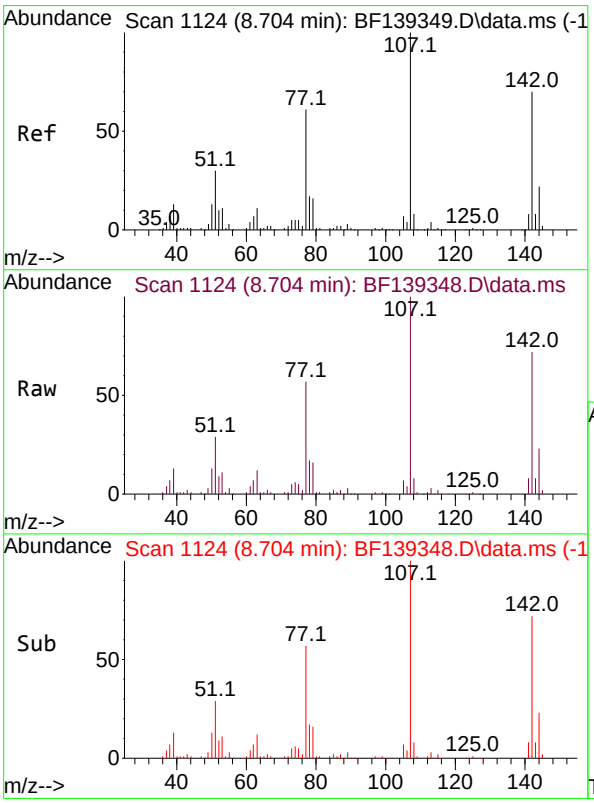

#35
Caprolactam
Concen: 21.049 ng
RT: 8.581 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:113 Resp: 16927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 201.4 | 186.1 | 226.1 |
| 56 | 164.4 | 144.9 | 184.9 |

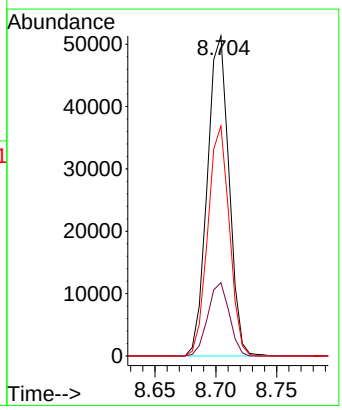


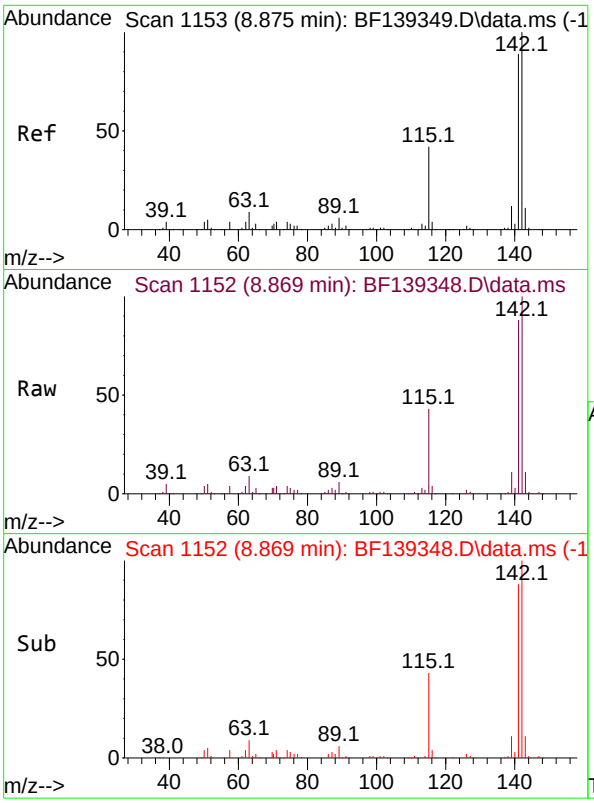




#36
4-Chloro-3-methylphenol
Concen: 22.523 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:107 Resp: 63754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.9 | 17.5 | 26.3 |
| 142 | 71.9 | 55.8 | 83.8 |



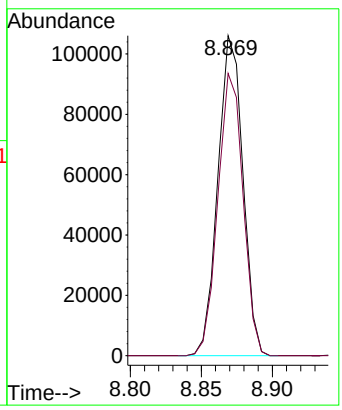


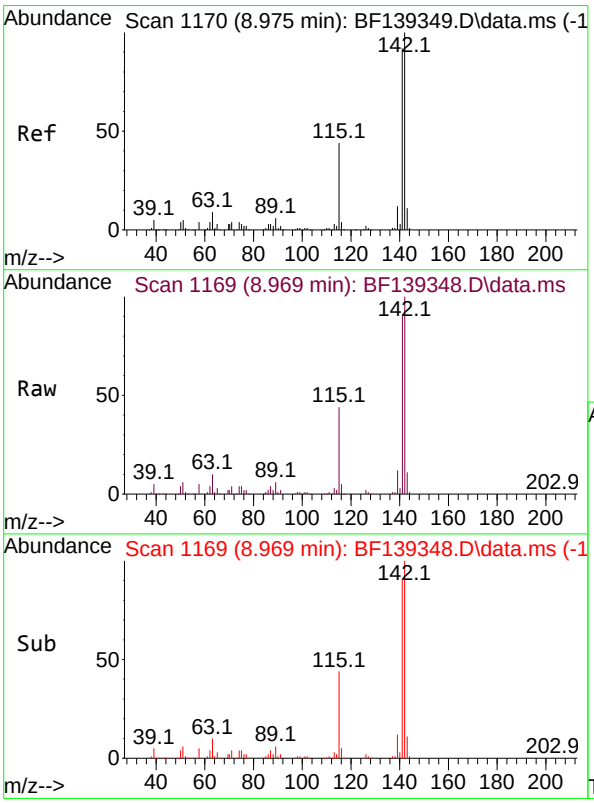

#37
2-Methylnaphthalene
Concen: 21.576 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:142 Resp: 129773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.6 | 107.4 |

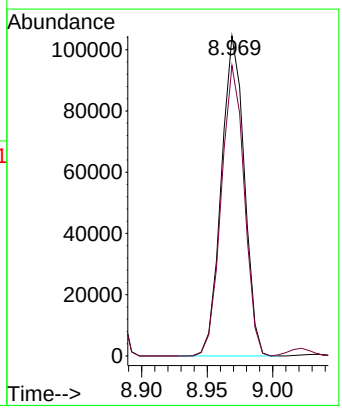


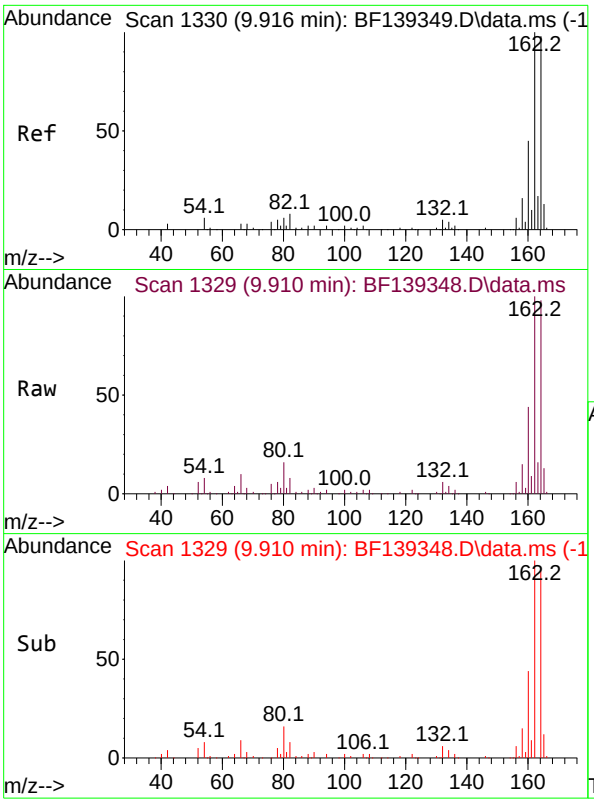




#38
1-Methylnaphthalene
Concen: 21.486 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:142 Resp: 127098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.2 | 109.8 |



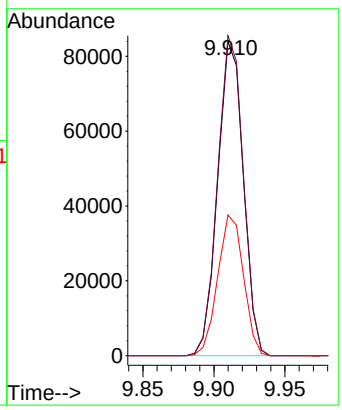


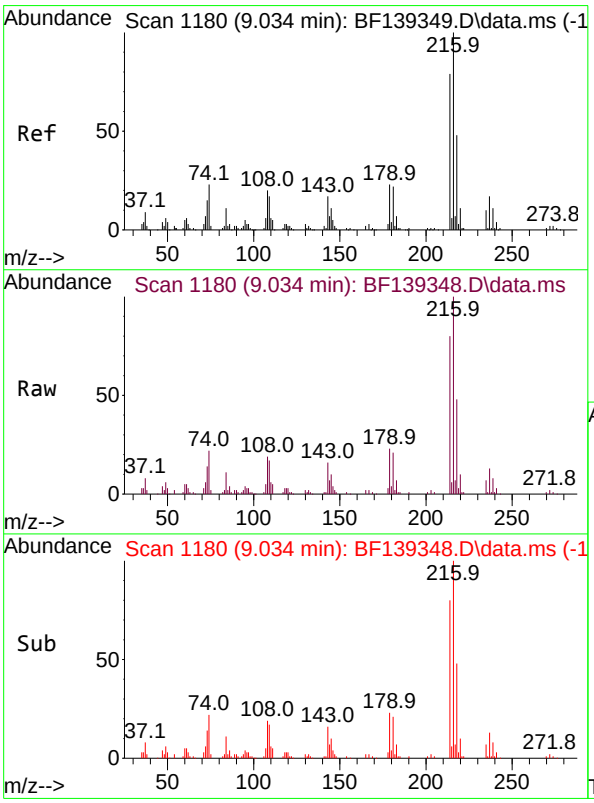

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:164 Resp: 105260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 81.3 | 121.9 |
| 160 | 44.8 | 36.4 | 54.6 |

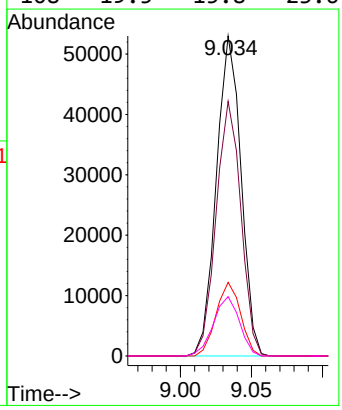


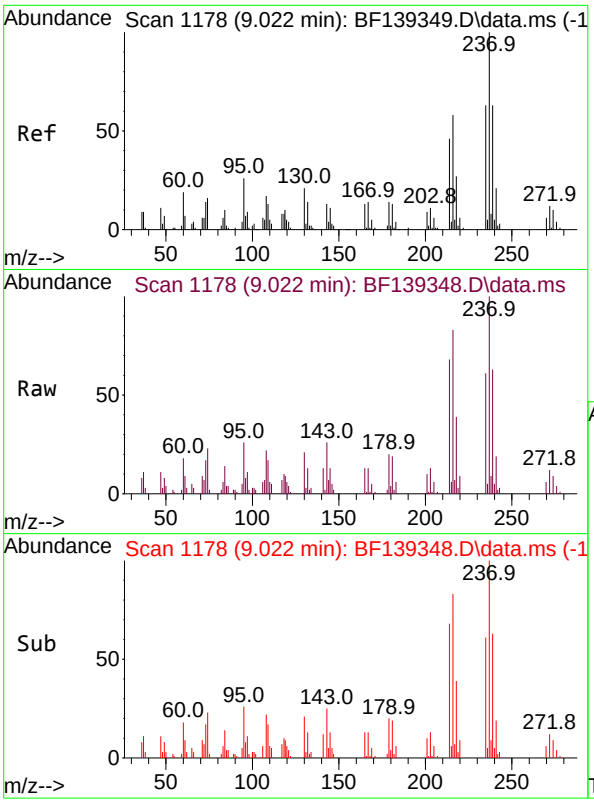




#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.471 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:216 Resp: 63941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 63.4 | 95.0 |
| 179 | 22.8 | 18.2 | 27.2 |
| 108 | 19.5 | 15.8 | 23.6 |



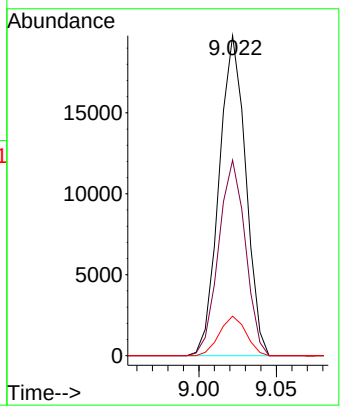


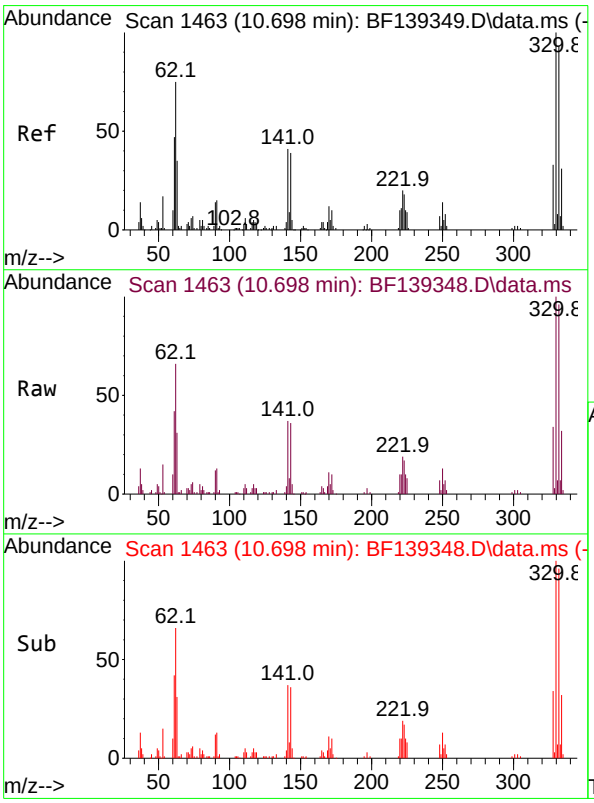

#41
Hexachlorocyclopentadiene
Concen: 24.662 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:237 Resp: 23604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.1 | 42.7 | 82.7 |
| 272 | 12.4 | 0.0 | 32.5 |

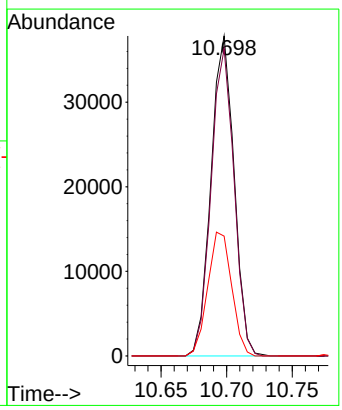


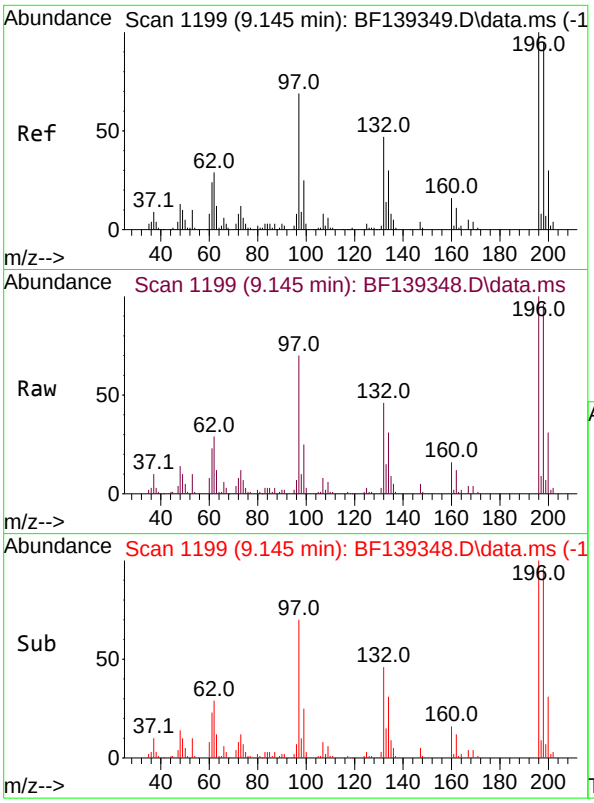




#42
2,4,6-Tribromophenol
Concen: 50.945 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:330 Resp: 46306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 75.2 | 112.8 |
| 141 | 40.2 | 31.2 | 46.8 |



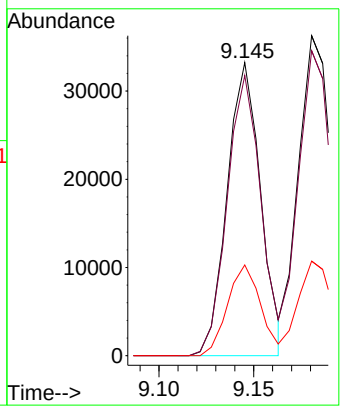


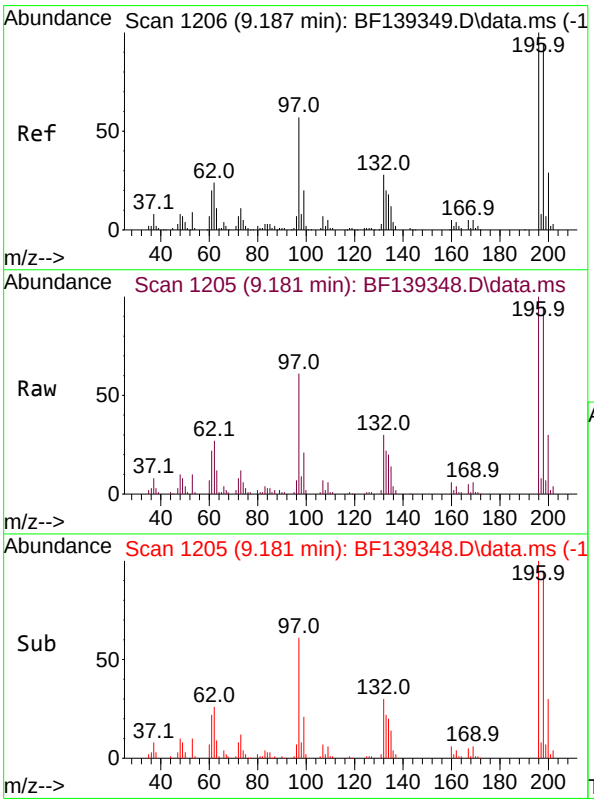

#43
2,4,6-Trichlorophenol
Concen: 20.958 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:196 Resp: 40837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 75.8 | 113.6 |
| 200 | 31.0 | 24.1 | 36.1 |

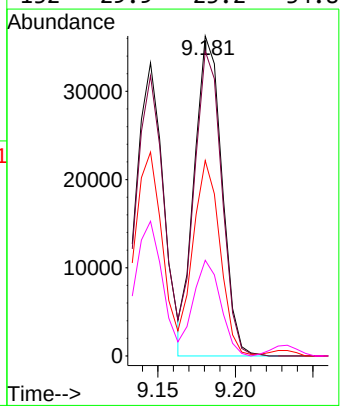


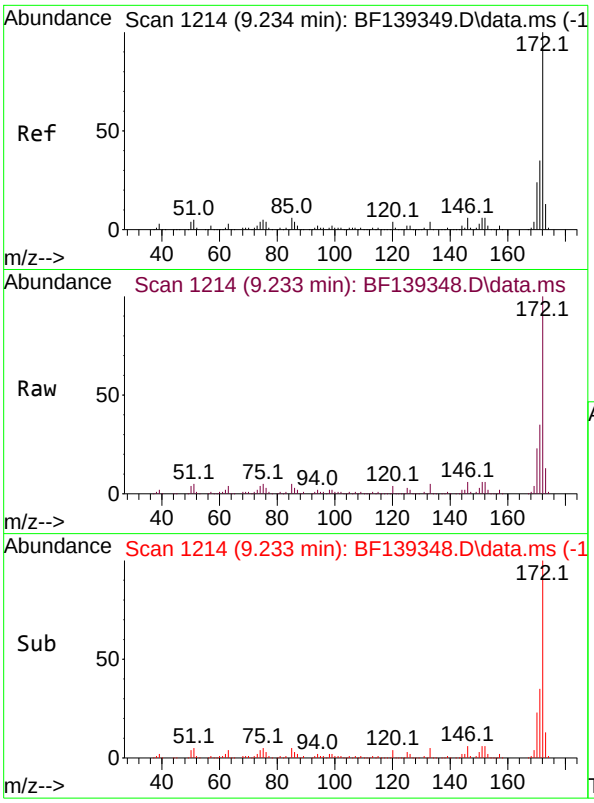




#44
2,4,5-Trichlorophenol
Concen: 21.977 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:196 Resp: 44874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 74.8 | 112.2 |
| 97 | 61.1 | 47.3 | 70.9 |
| 132 | 29.9 | 23.2 | 34.8 |



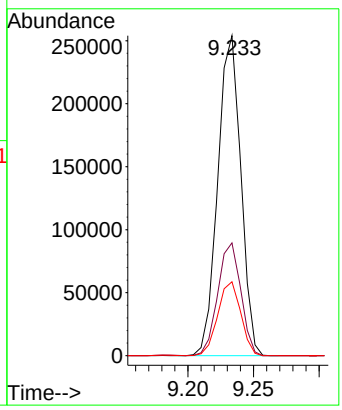


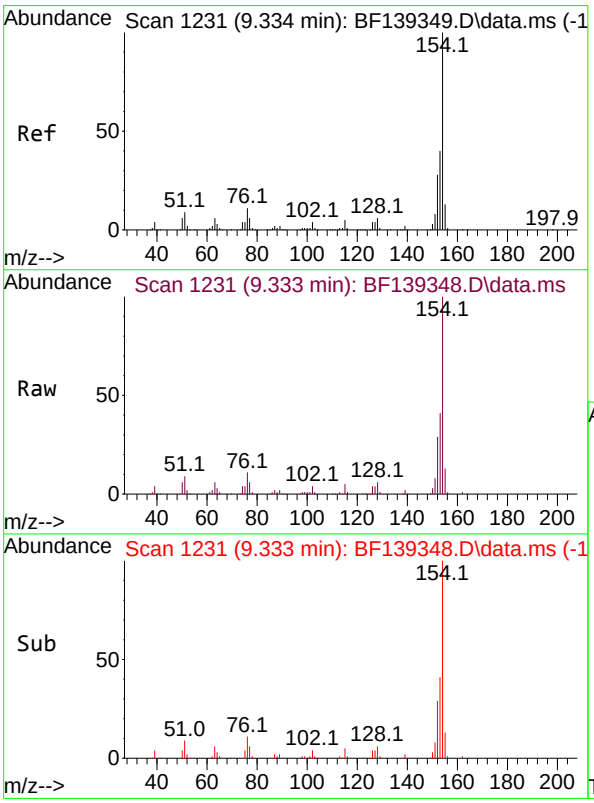

#45
2-Fluorobiphenyl
Concen: 45.491 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:172 Resp: 310200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.3 | 42.5 |
| 170 | 23.1 | 19.0 | 28.6 |

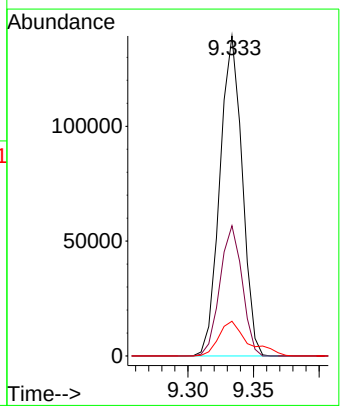


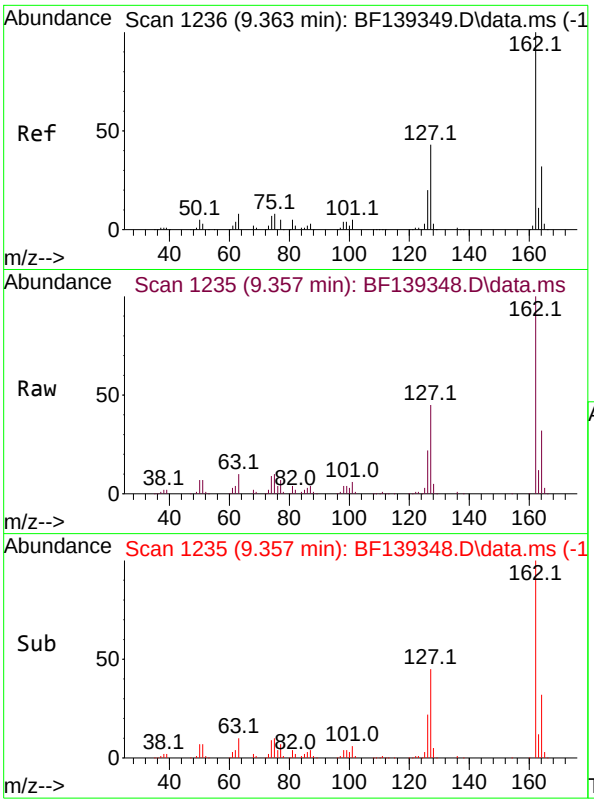




#46
1,1'-Biphenyl
Concen: 21.141 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:154 Resp: 164874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.1 | 60.1 |
| 76 | 10.8 | 0.0 | 31.1 |



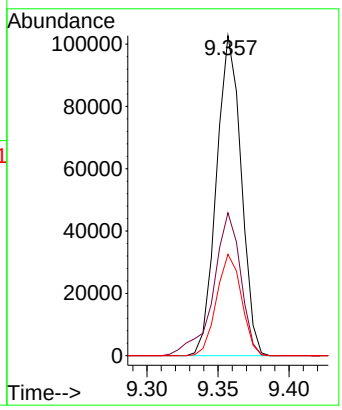


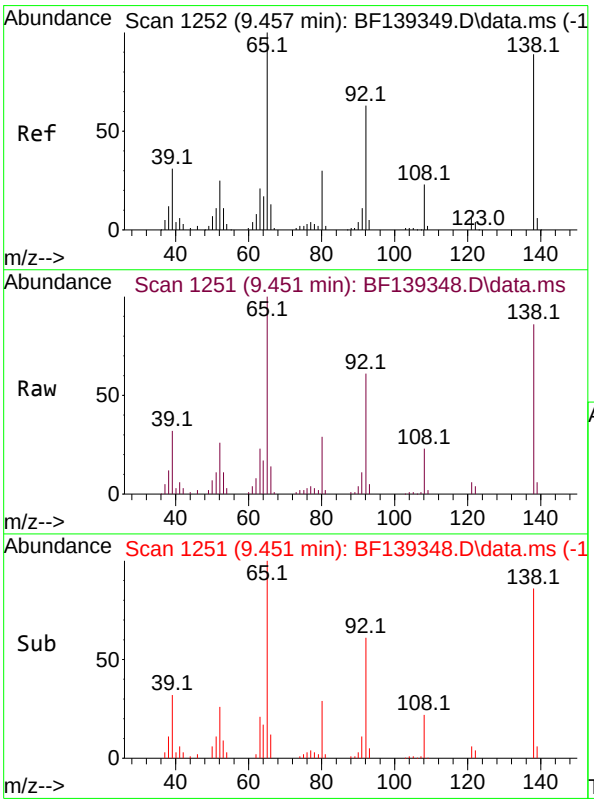

#47
2-Chloronaphthalene
Concen: 21.111 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:162 Resp: 124318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.6 | 35.0 | 52.4 |
| 164 | 31.7 | 25.8 | 38.6 |

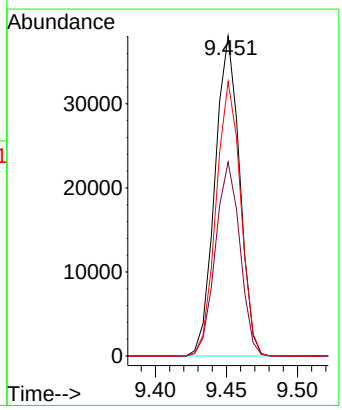


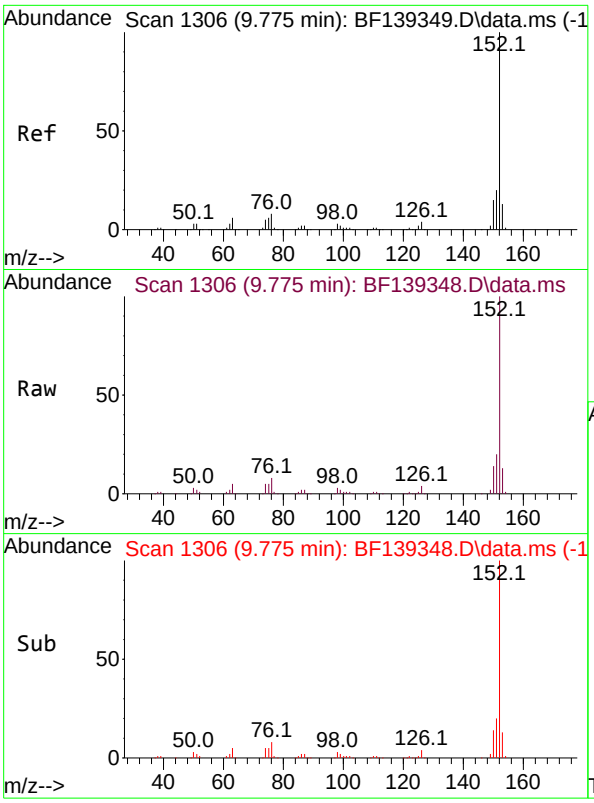




#48
2-Nitroaniline
Concen: 22.619 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion: 65 Resp: 45879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.6 | 50.3 | 75.5 |
| 138 | 85.8 | 71.3 | 106.9 |



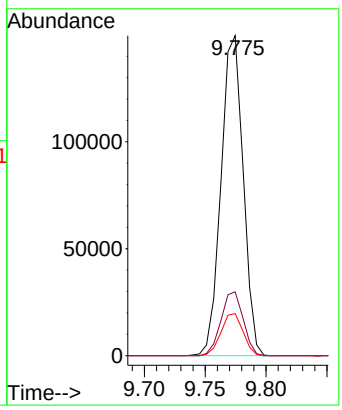


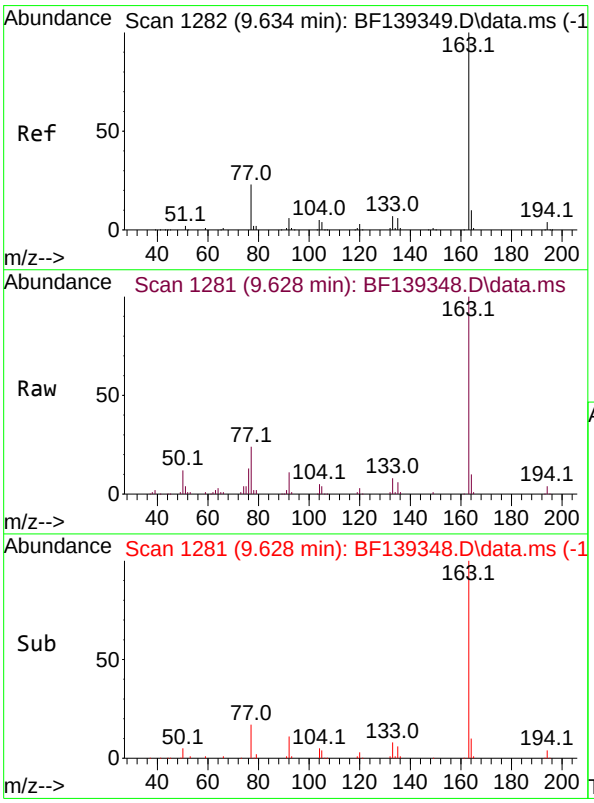

#49
Acenaphthylene
Concen: 21.347 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:152 Resp: 189337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.2 | 24.2 |
| 153 | 13.2 | 10.3 | 15.5 |

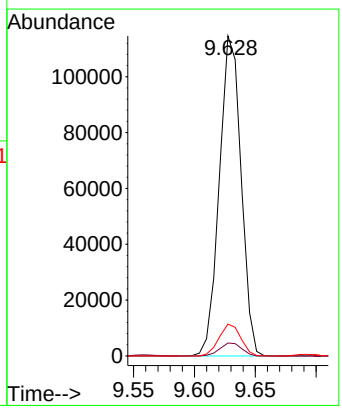


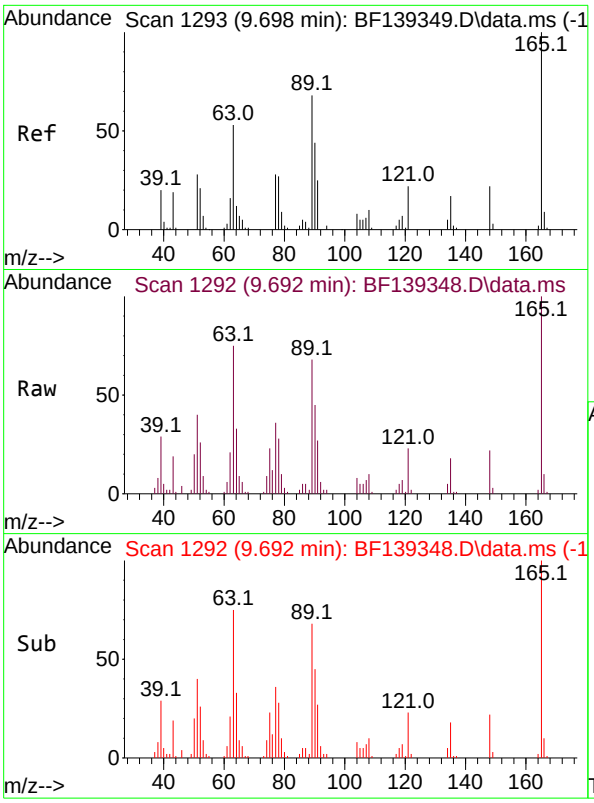




#50
Dimethylphthalate
Concen: 22.334 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:163 Resp: 142488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 9.9 | 8.2 | 12.2 |



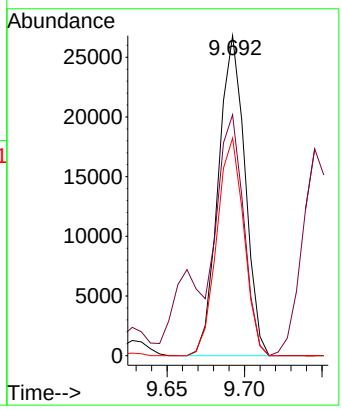


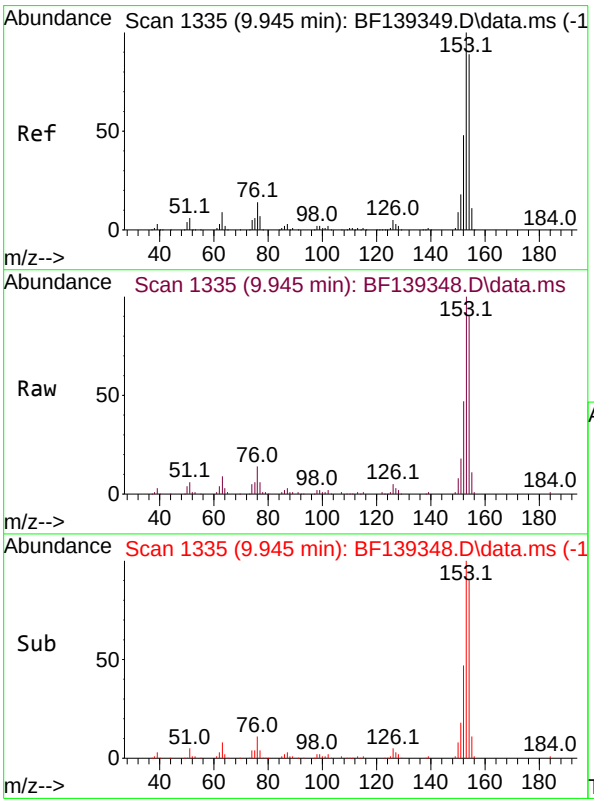

#51
2,6-Dinitrotoluene
Concen: 22.057 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:165 Resp: 31924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 75.3 | 60.9 | 91.3 |
| 89 | 68.0 | 54.7 | 82.1 |

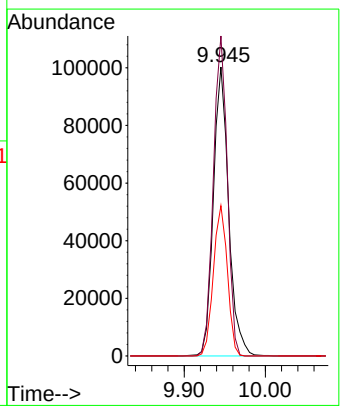


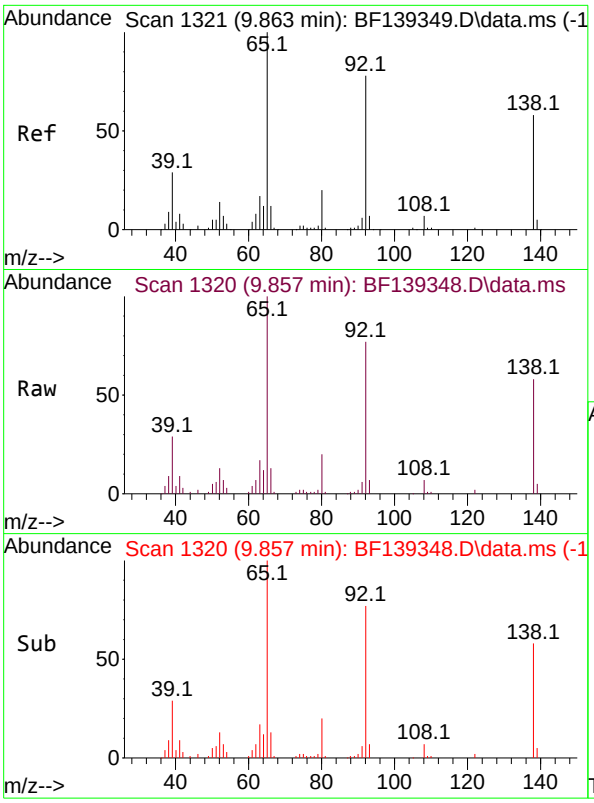




#52
Acenaphthene
Concen: 22.302 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:154 Resp: 131194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.7 | 89.5 | 134.3 |
| 152 | 52.0 | 42.6 | 64.0 |



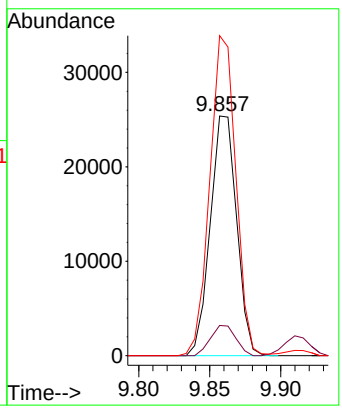


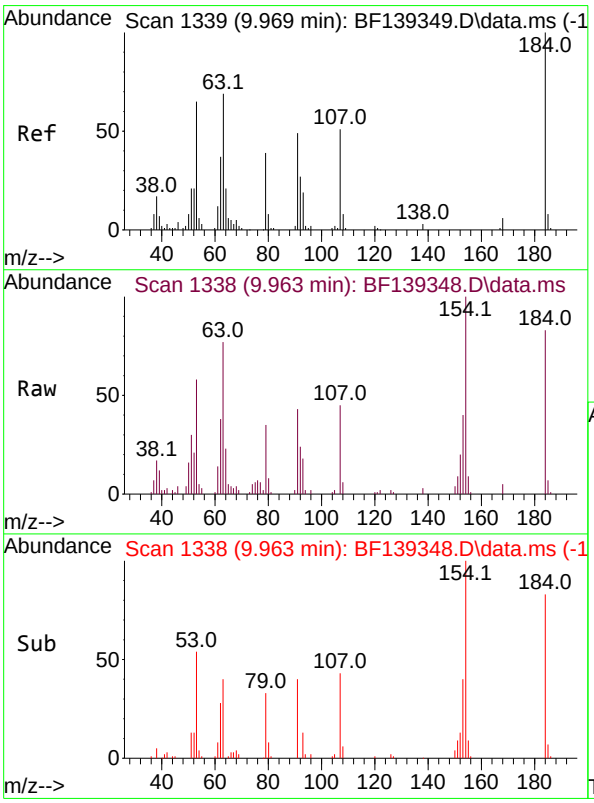

#53
3-Nitroaniline
Concen: 21.253 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:138 Resp: 32773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.6 | 9.8 | 14.8 |
| 92 | 133.5 | 107.4 | 161.2 |

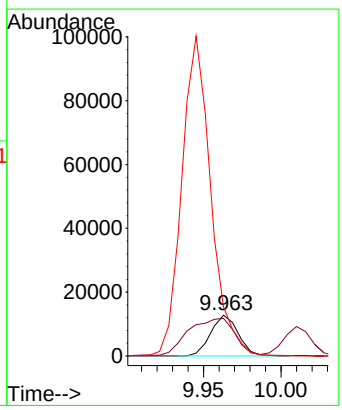


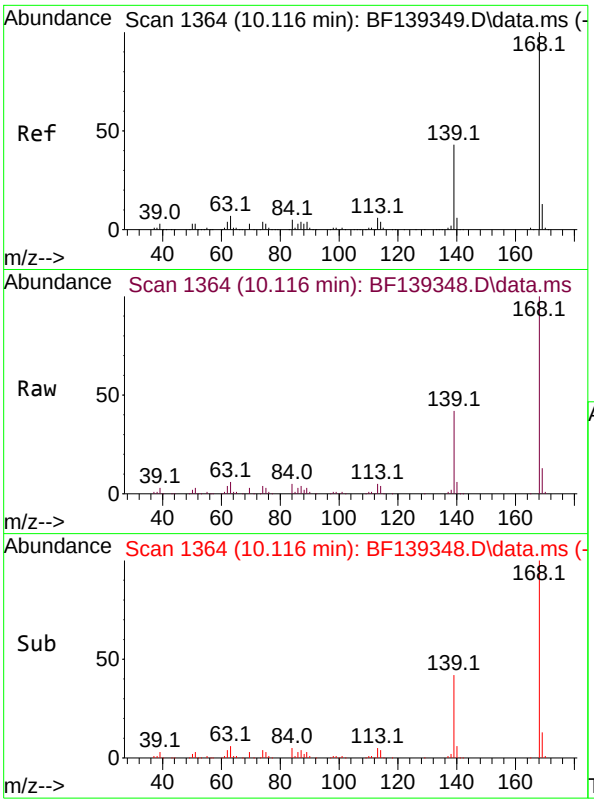




#54
2,4-Dinitrophenol
Concen: 25.295 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:184 Resp: 15677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 92.1 | 69.3 | 103.9 |
| 154 | 120.2 | 67.5 | 101.3# |



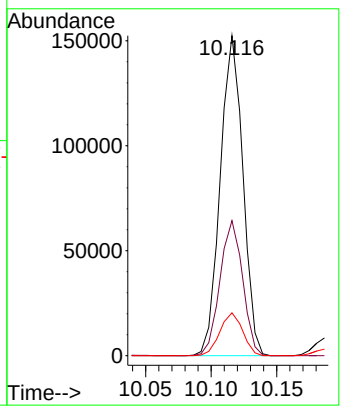


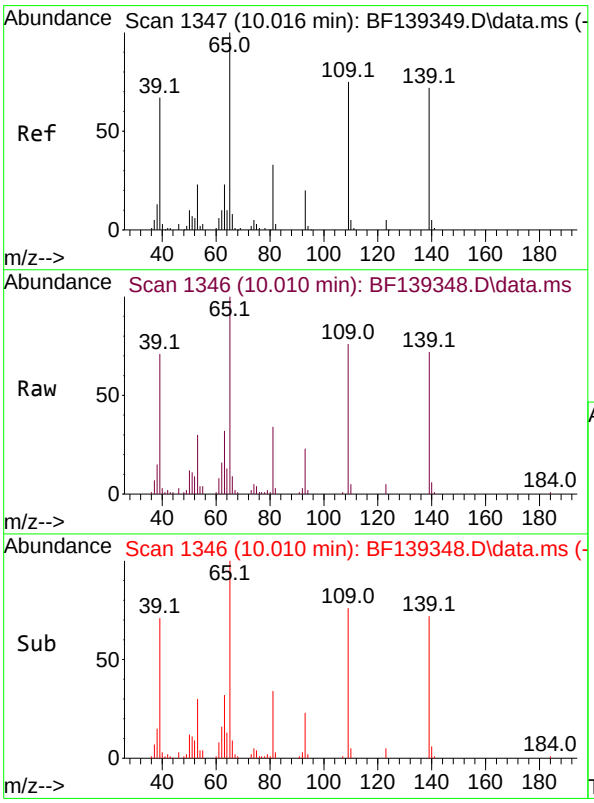

#55
Dibenzofuran
Concen: 21.691 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:168 Resp: 182945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.2 | 34.1 | 51.1 |
| 169 | 13.4 | 10.5 | 15.7 |

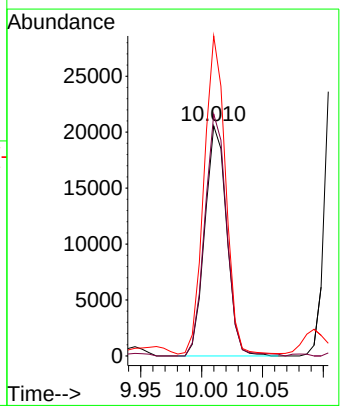


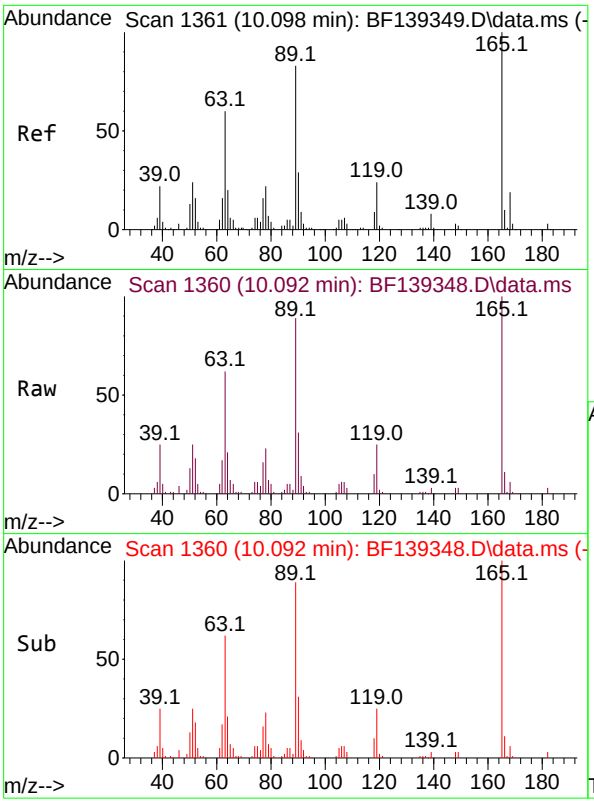




#56
4-Nitrophenol
Concen: 22.515 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:139 Resp: 25626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 105.1 | 84.1 | 124.1 |
| 65 | 139.1 | 120.0 | 160.0 |



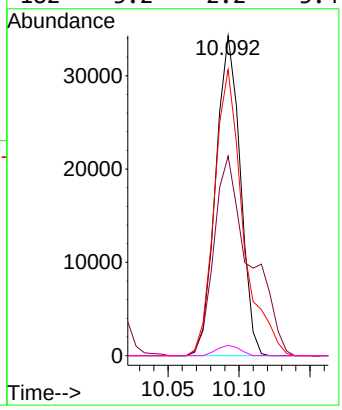


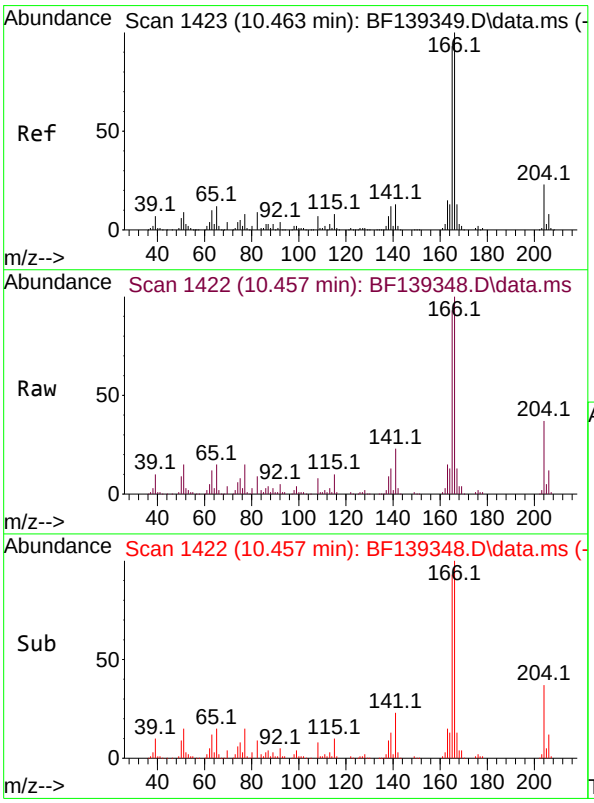

#57
2,4-Dinitrotoluene
Concen: 22.355 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:165 Resp: 41181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.4 | 47.8 | 71.6 |
| 89 | 89.4 | 66.7 | 100.1 |
| 182 | 3.2 | 2.2 | 3.4 |

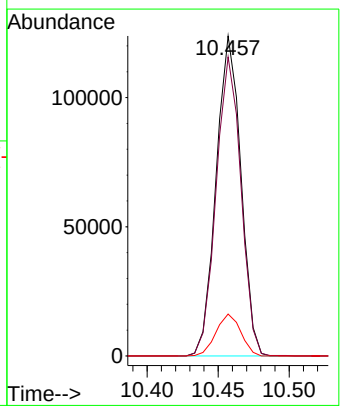


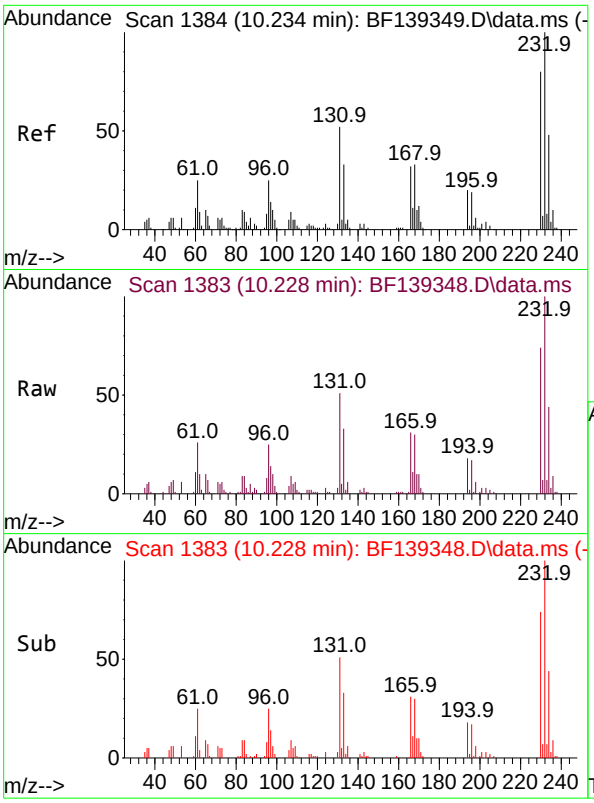




#58
Fluorene
Concen: 22.915 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:166 Resp: 149842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.5 | 74.5 | 111.7 |
| 167 | 13.1 | 10.6 | 16.0 |



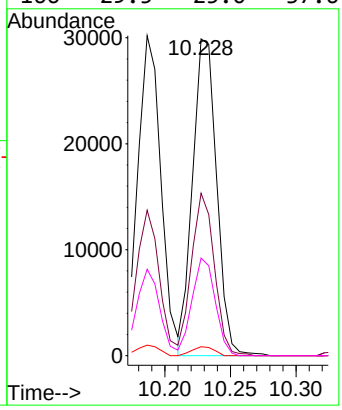


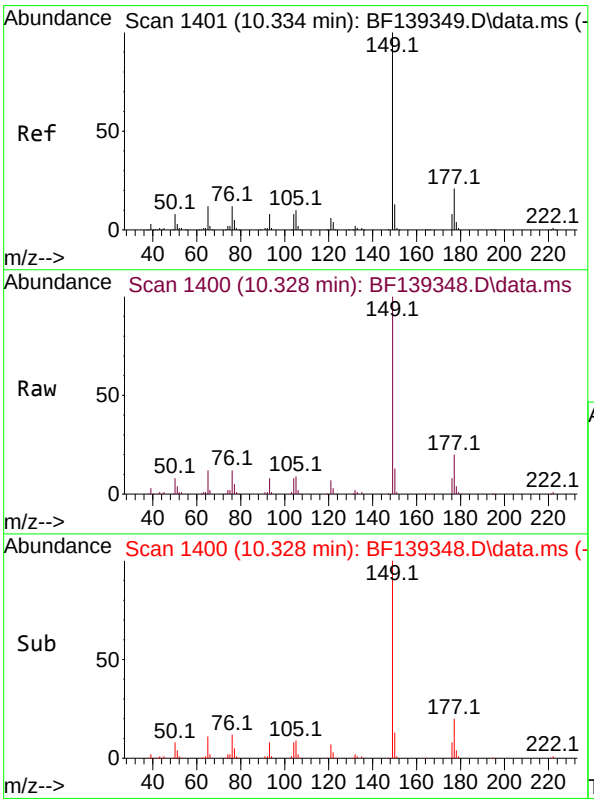

#59
2,3,4,6-Tetrachlorophenol
Concen: 23.811 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:232 Resp: 38272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.6 | 40.7 | 61.1 |
| 130 | 2.6 | 2.2 | 3.2 |
| 166 | 29.5 | 25.0 | 37.6 |

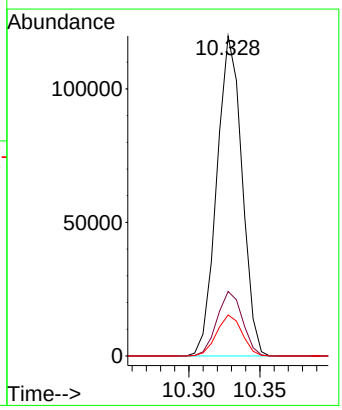


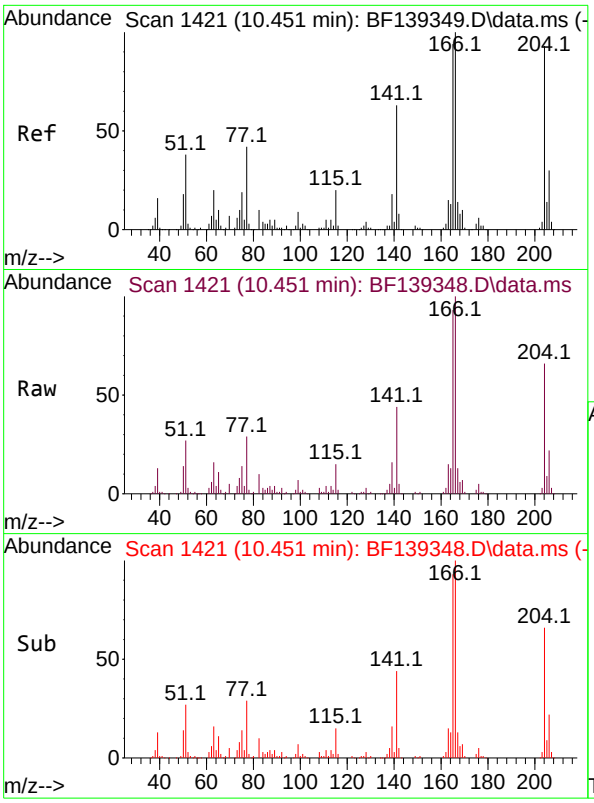




#60
Diethylphthalate
Concen: 23.553 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:149 Resp: 147877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.2 | 16.6 | 24.8 |
| 150 | 12.8 | 10.6 | 15.8 |



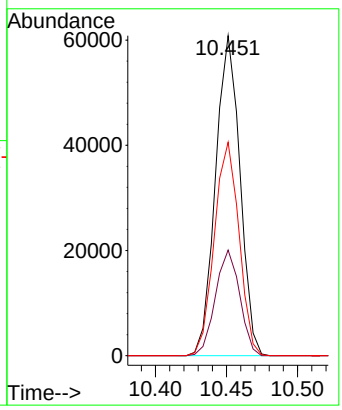


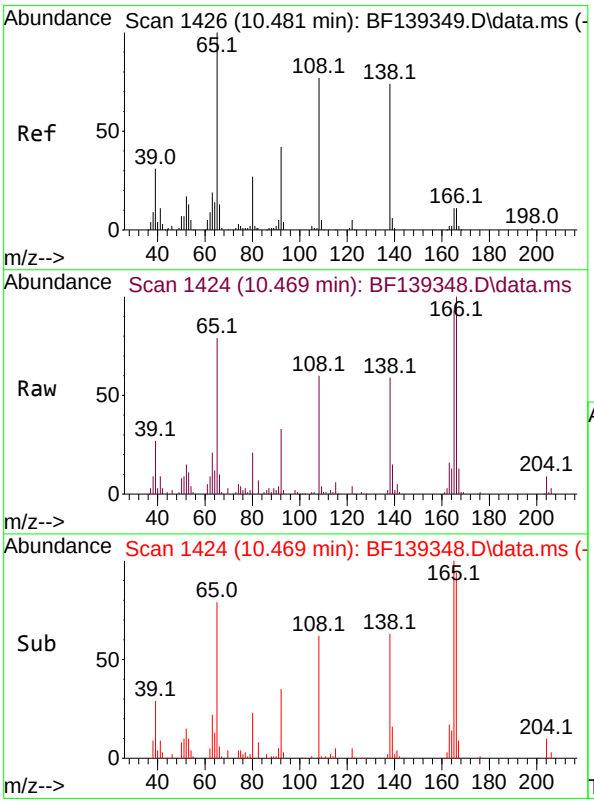

#61
4-Chlorophenyl-phenylether
Concen: 23.079 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:204 Resp: 72779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.2 | 39.2 |
| 141 | 66.7 | 53.9 | 80.9 |

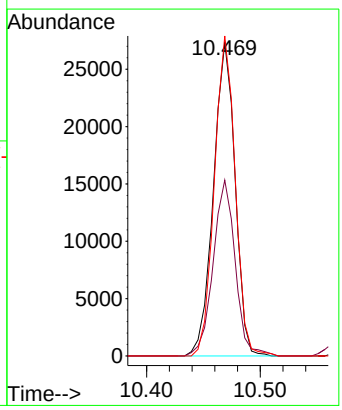


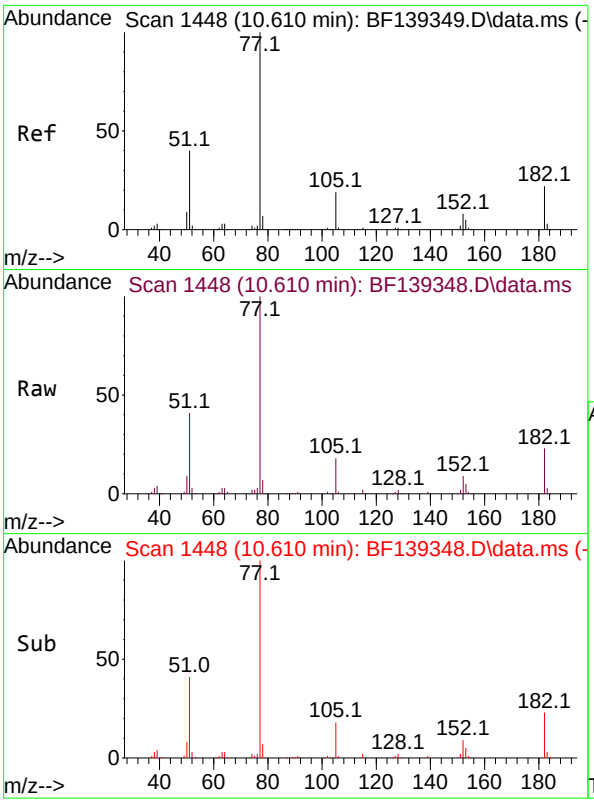




#62
4-Nitroaniline
Concen: 24.679 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:138 Resp: 36226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 56.1 | 37.0 | 77.0 |
| 108 | 102.1 | 84.4 | 124.4 |



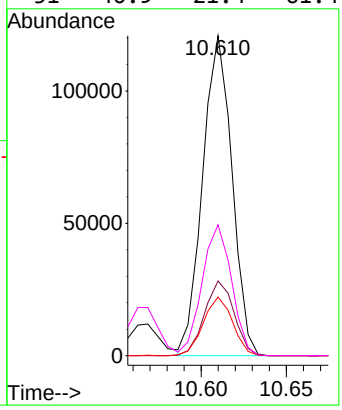


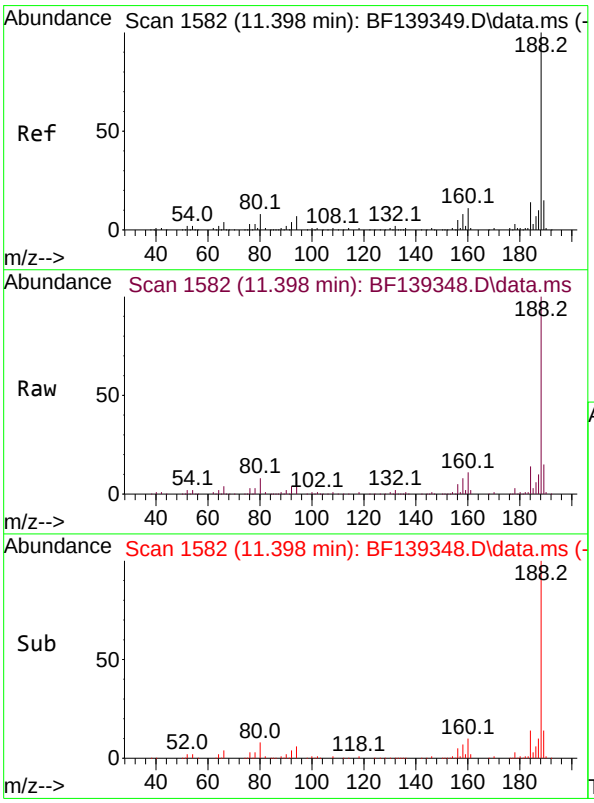

#63
Azobenzene
Concen: 21.869 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion: 77 Resp: 144713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.4 | 1.8 | 41.8 |
| 105 | 18.3 | 0.0 | 38.6 |
| 51 | 40.9 | 21.4 | 61.4 |

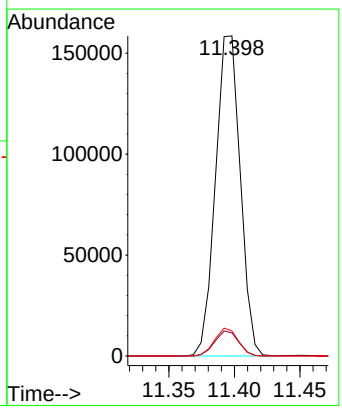


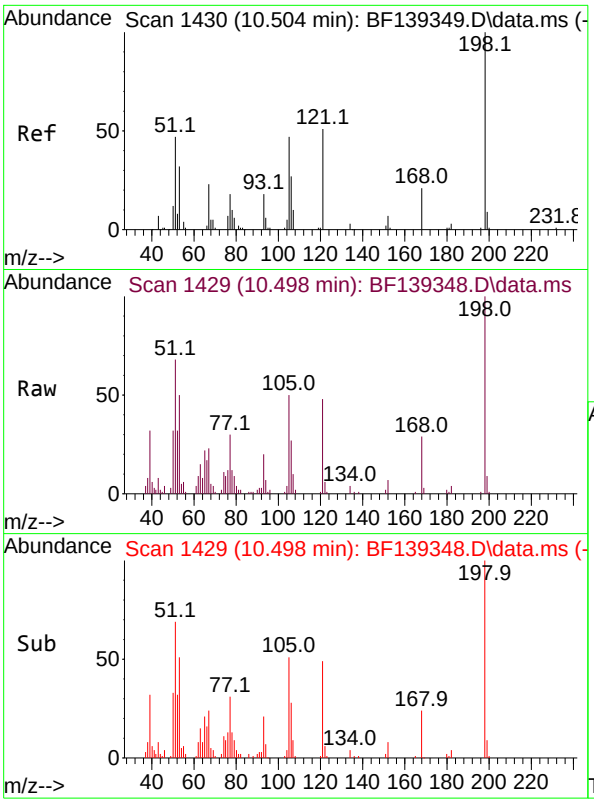




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:188 Resp: 208290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 5.5 | 8.3 |
| 80 | 7.8 | 6.6 | 9.8 |



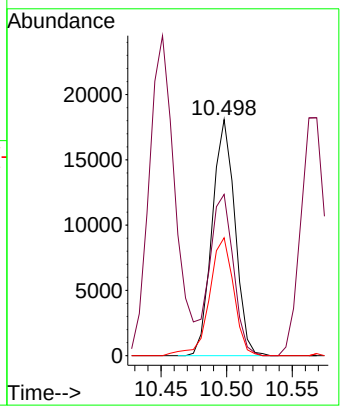


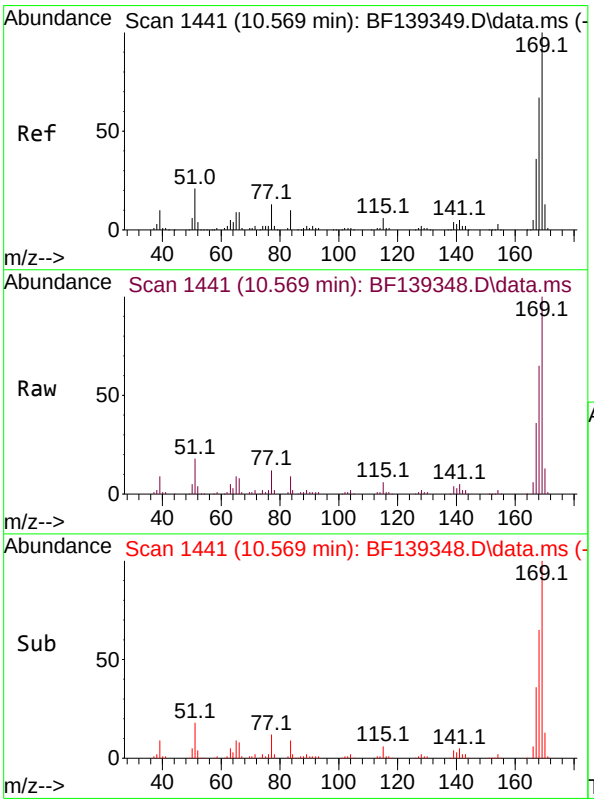

#65
4,6-Dinitro-2-methylphenol
Concen: 22.648 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:198 Resp: 21797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 68.3 | 50.4 | 90.4 |
| 105 | 49.9 | 28.3 | 68.3 |

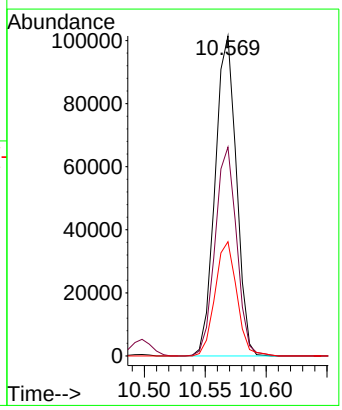


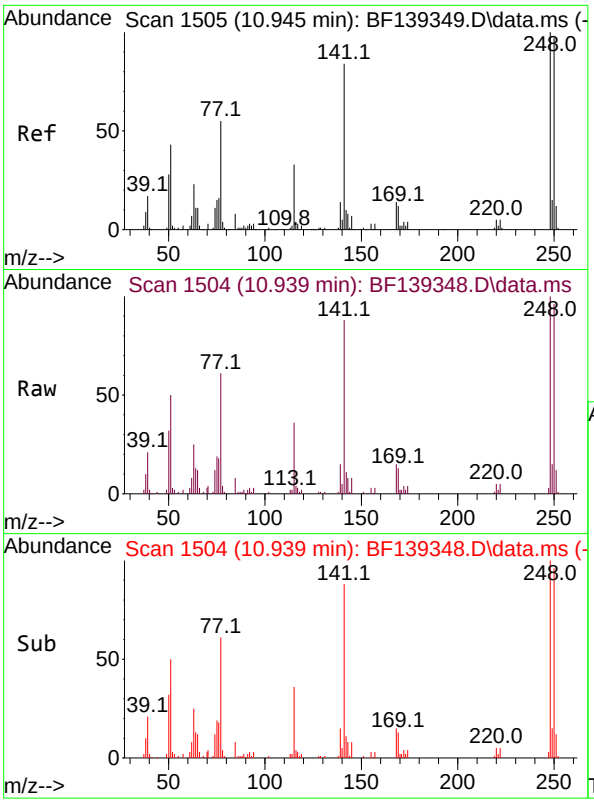




#66
n-Nitrosodiphenylamine
Concen: 20.356 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:169 Resp: 123420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.3 | 53.6 | 80.4 |
| 167 | 35.7 | 28.7 | 43.1 |



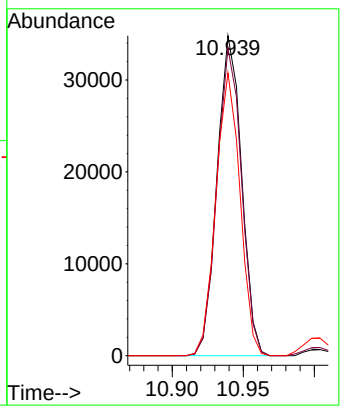


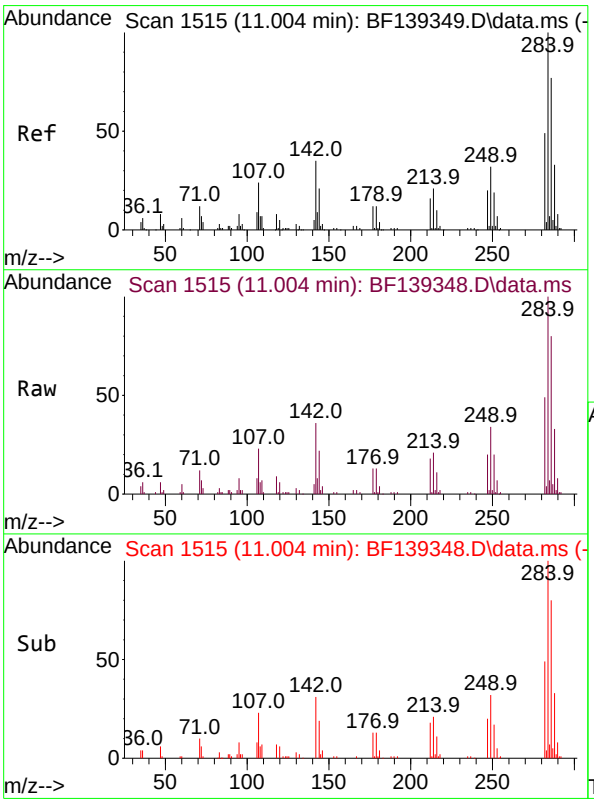

#67
4-Bromophenyl-phenylether
Concen: 20.713 ng
RT: 10.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:248 Resp: 41859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.0 | 77.6 | 116.4 |
| 141 | 88.4 | 66.9 | 100.3 |

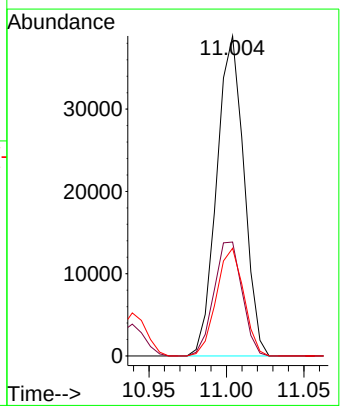


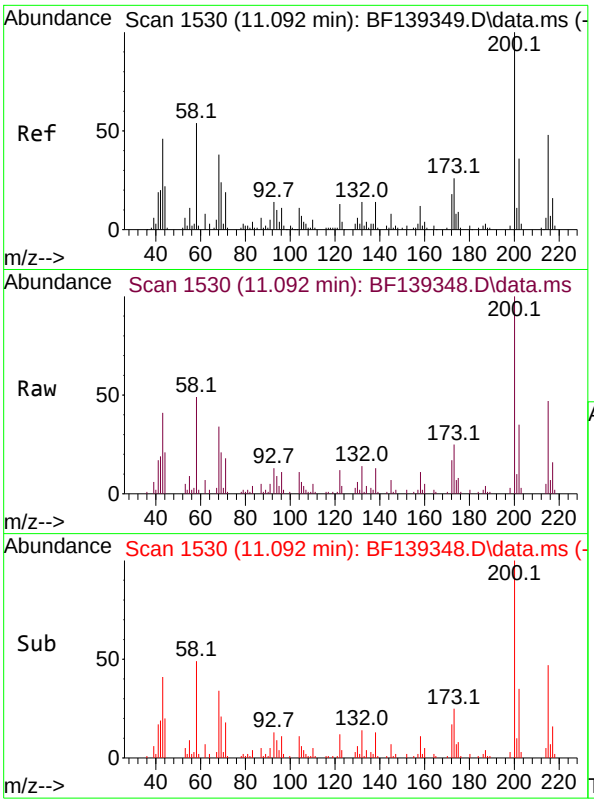




#68
Hexachlorobenzene
Concen: 20.548 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:284 Resp: 47538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.6 | 28.0 | 42.0 |
| 249 | 33.6 | 25.3 | 37.9 |



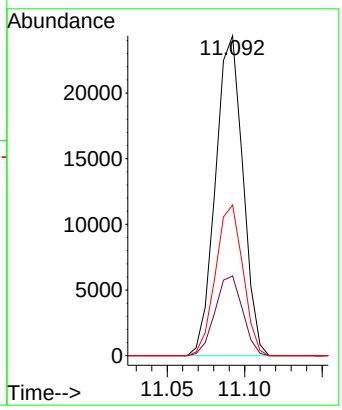


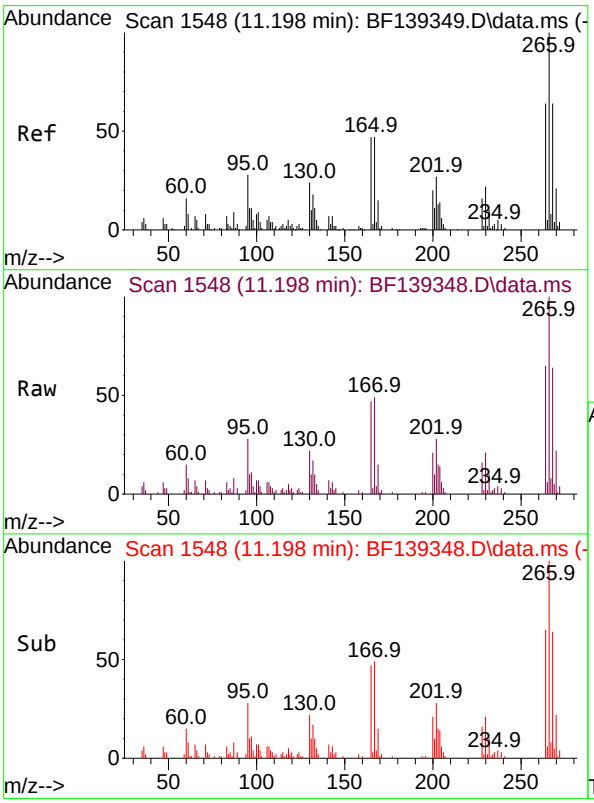

#69
Atrazine
Concen: 21.426 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:200 Resp: 29971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.9 | 6.1 | 46.1 |
| 215 | 47.1 | 28.2 | 68.2 |

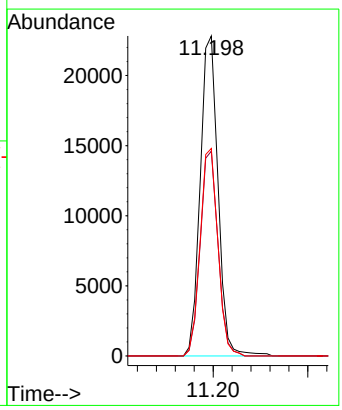


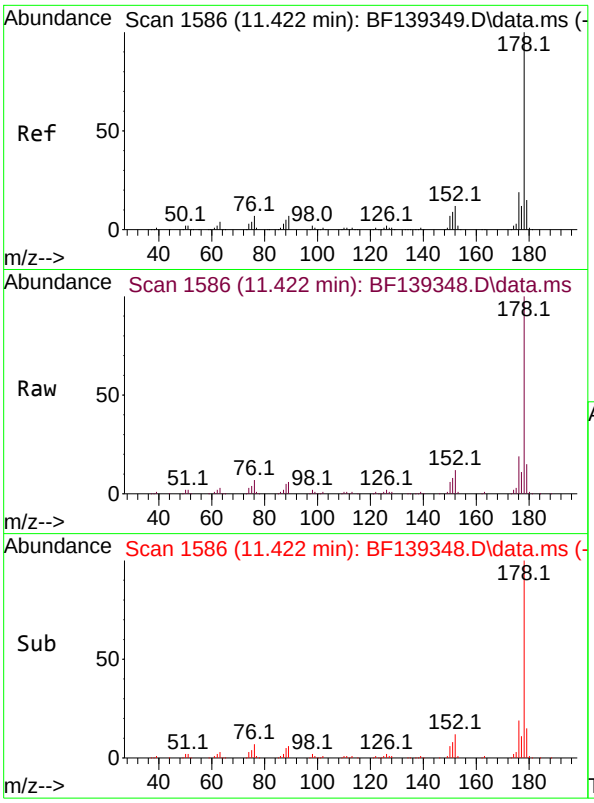




#70
Pentachlorophenol
Concen: 22.302 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:266 Resp: 29804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.1 | 76.7 |
| 264 | 64.9 | 51.4 | 77.0 |



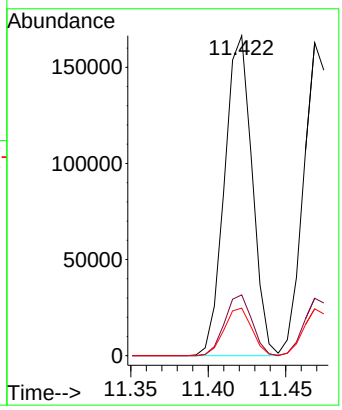


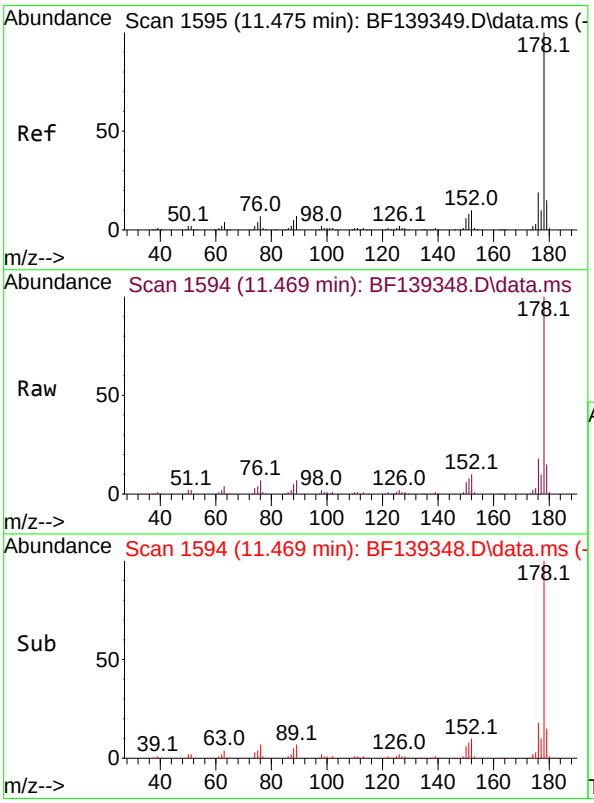

#71
Phenanthrene
Concen: 21.224 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:178 Resp: 206521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 14.8 | 12.2 | 18.4 |

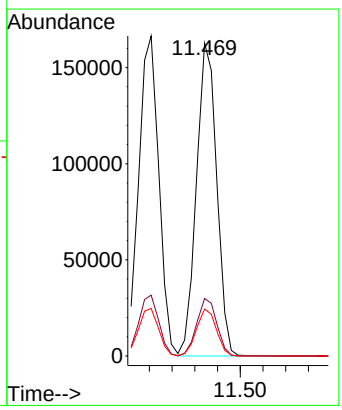


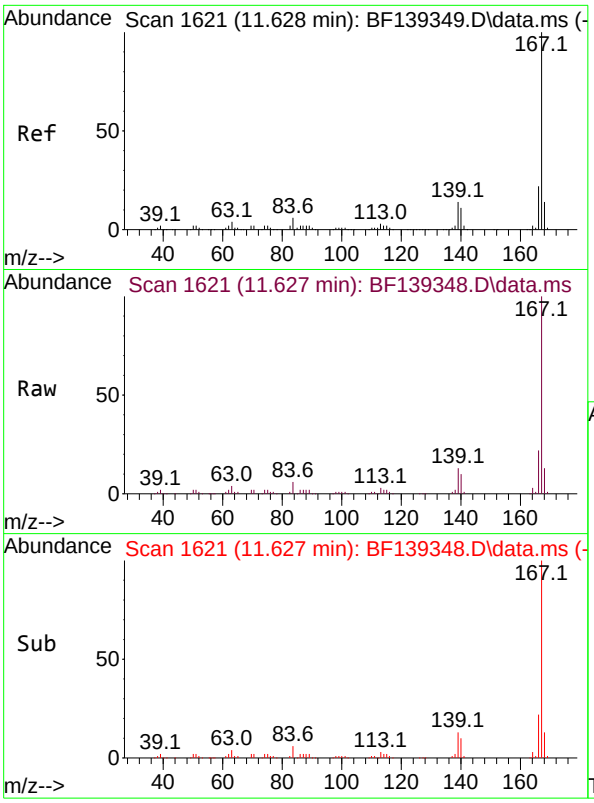




#72
Anthracene
Concen: 21.269 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:178 Resp: 202170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.0 | 22.6 |
| 179 | 15.0 | 12.0 | 18.0 |



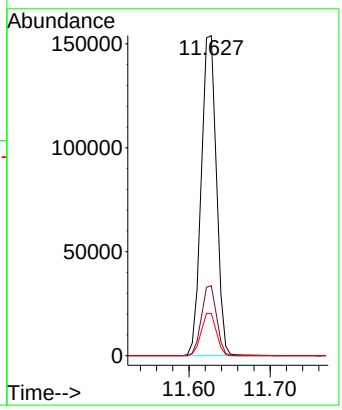


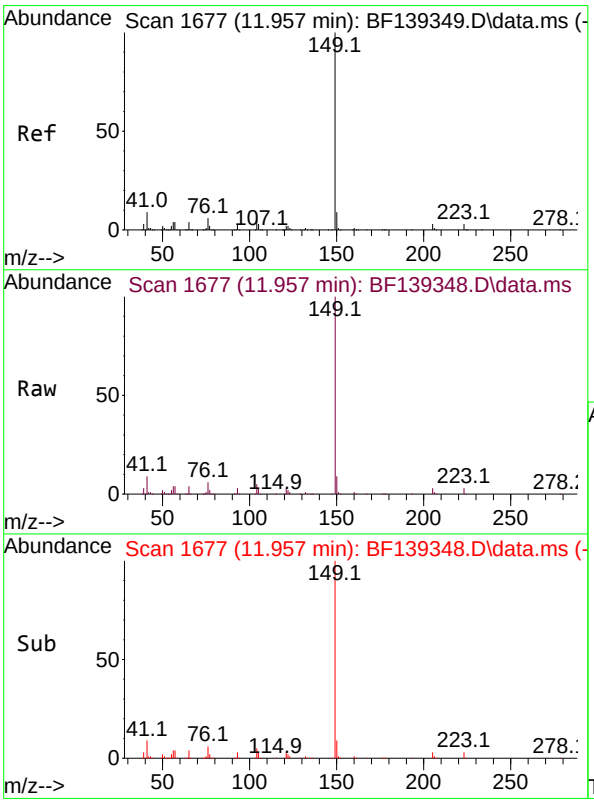

#73
Carbazole
Concen: 22.466 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:167 Resp: 199586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.5 | 26.3 |
| 139 | 13.2 | 10.9 | 16.3 |

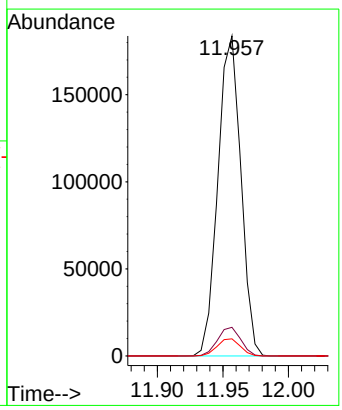


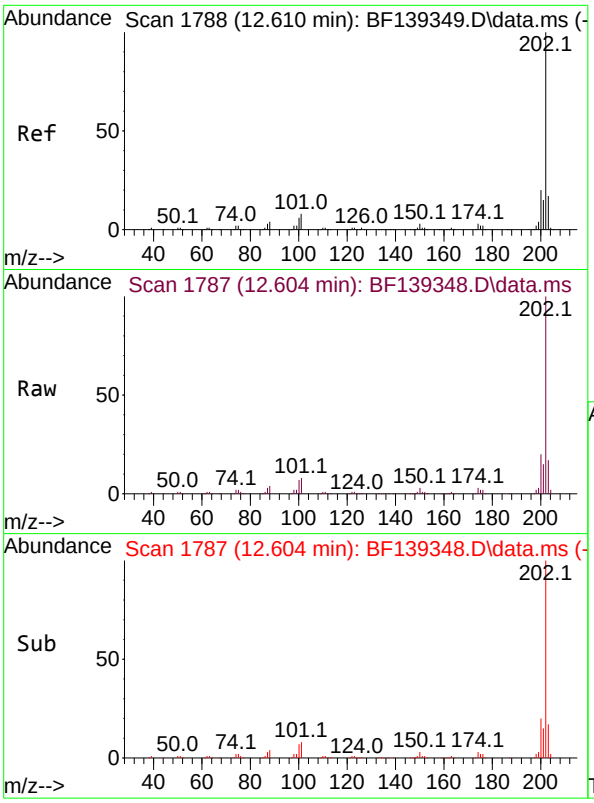




#74
Di-n-butylphthalate
Concen: 24.566 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:149 Resp: 223465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 5.4 | 4.3 | 6.5 |



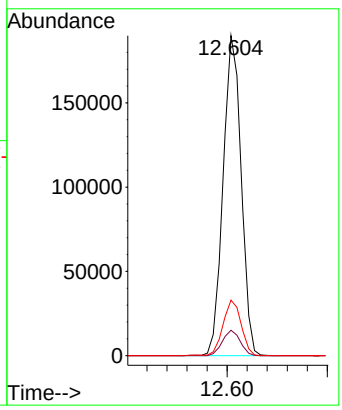


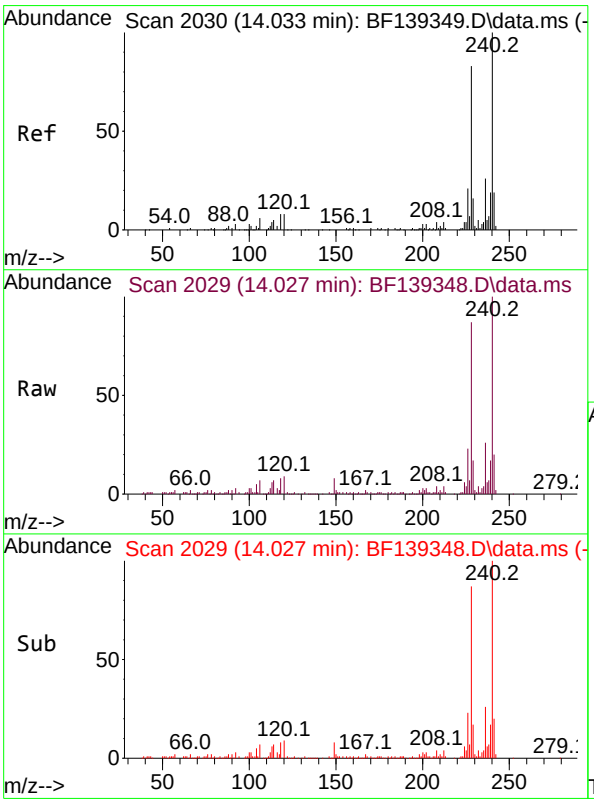

#75
Fluoranthene
Concen: 24.268 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:202 Resp: 236740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 0.0 | 27.7 |
| 203 | 17.4 | 0.0 | 37.4 |

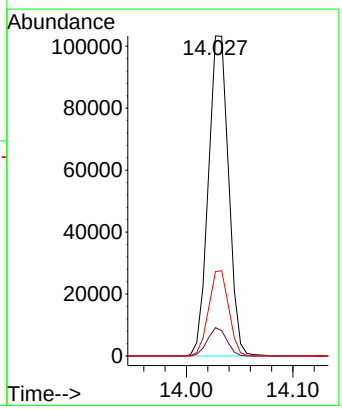


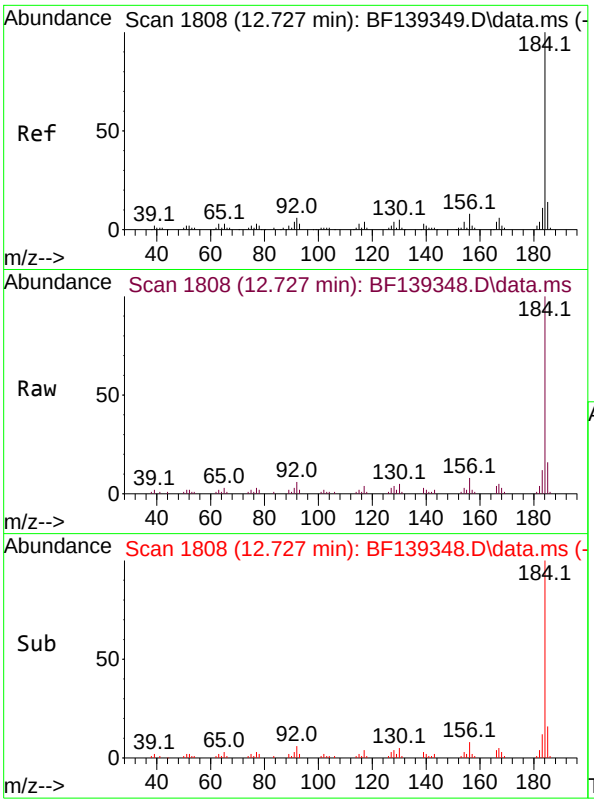




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:240 Resp: 135891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 6.2 | 9.2 |
| 236 | 26.4 | 20.9 | 31.3 |



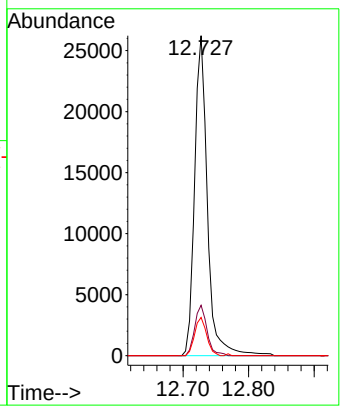


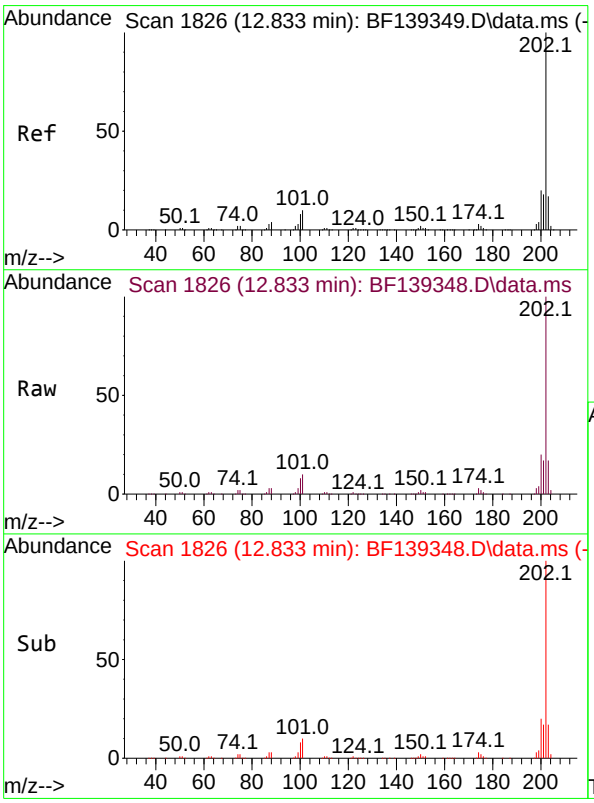

#77
Benzidine
Concen: 13.034 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:184 Resp: 35663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.8 | 11.5 | 17.3 |
| 183 | 12.0 | 8.9 | 13.3 |

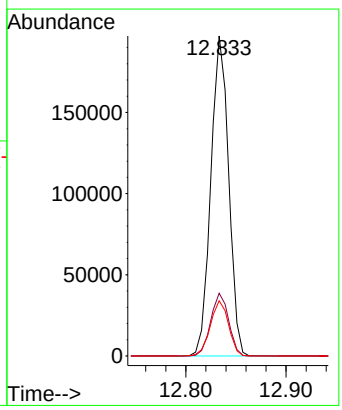


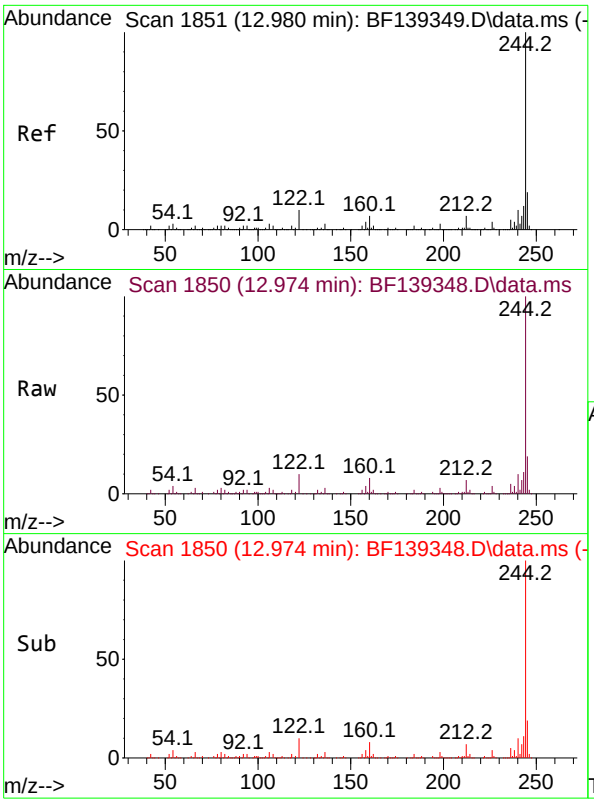




#78
Pyrene
Concen: 18.536 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:202 Resp: 243332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 16.2 | 24.2 |
| 203 | 17.2 | 13.9 | 20.9 |



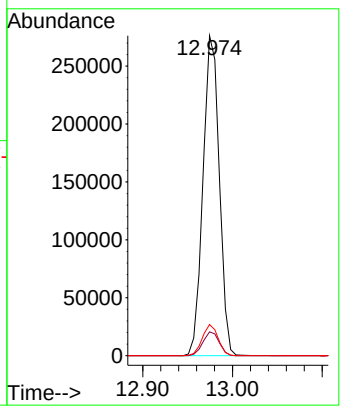


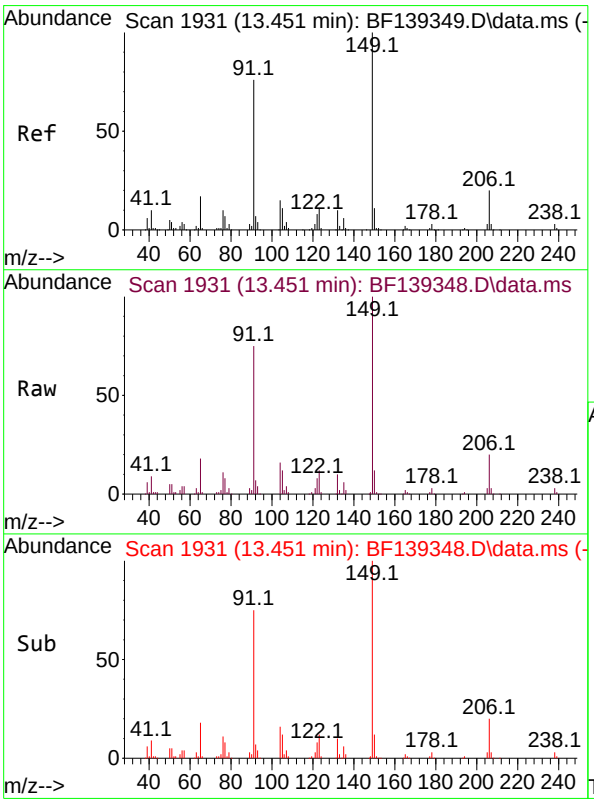

#79
Terphenyl-d14
Concen: 41.382 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:244 Resp: 348294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 9.8 | 7.6 | 11.4 |

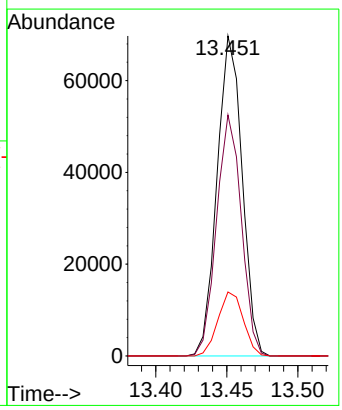


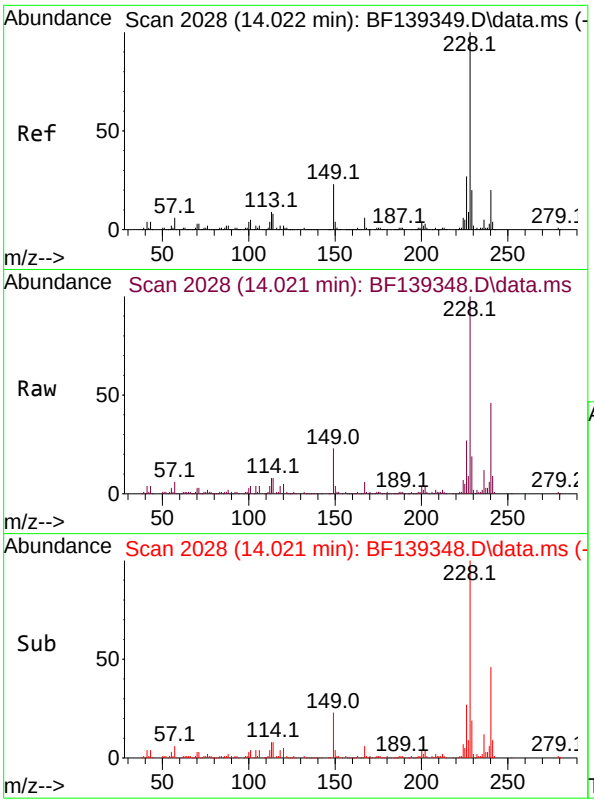




#80
Butylbenzylphthalate
Concen: 27.698 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:149 Resp: 85593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 75.3 | 60.9 | 91.3 |
| 206 | 20.0 | 15.8 | 23.8 |



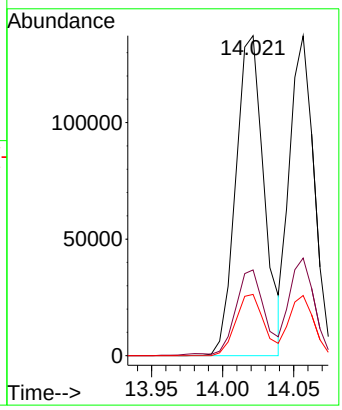


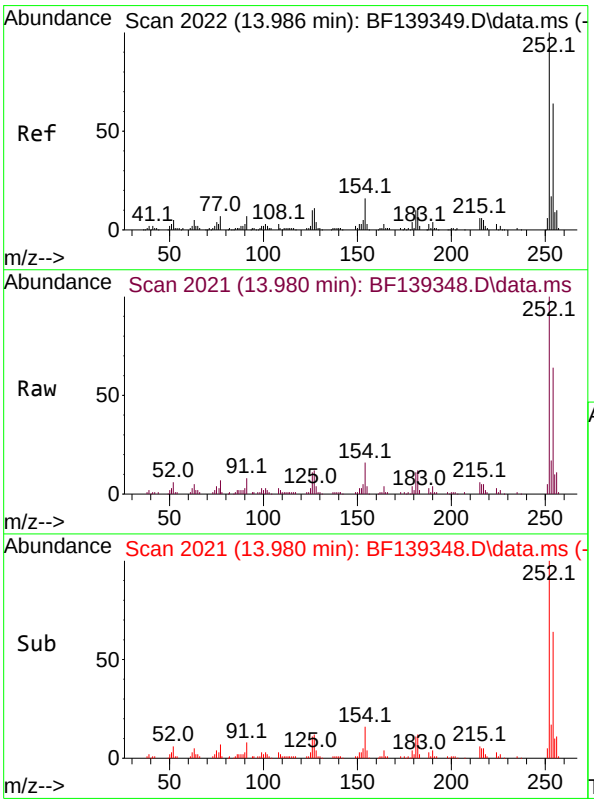

#81
Benzo(a)anthracene
Concen: 21.984 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:228 Resp: 190760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.6 | 32.4 |
| 229 | 19.2 | 15.7 | 23.5 |

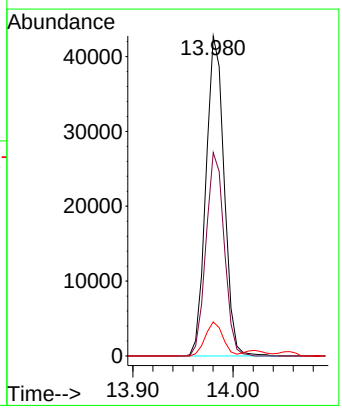


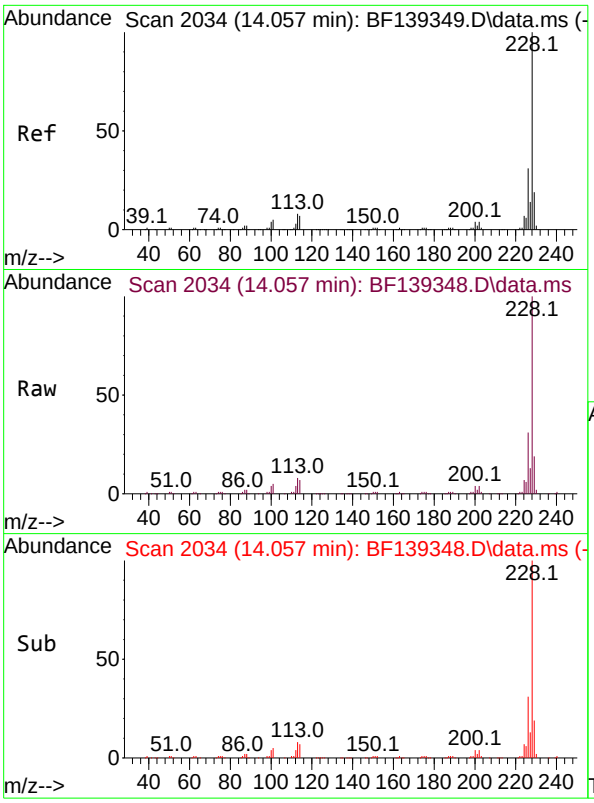




#82
3,3'-Dichlorobenzidine
Concen: 23.362 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:252 Resp: 53835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.6 | 51.4 | 77.2 |
| 126 | 10.7 | 7.7 | 11.5 |



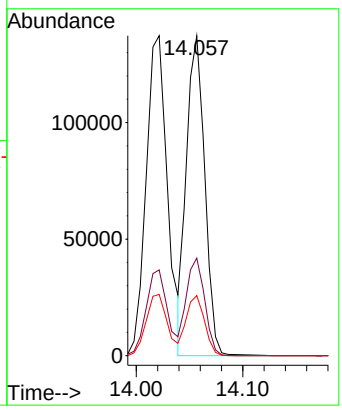


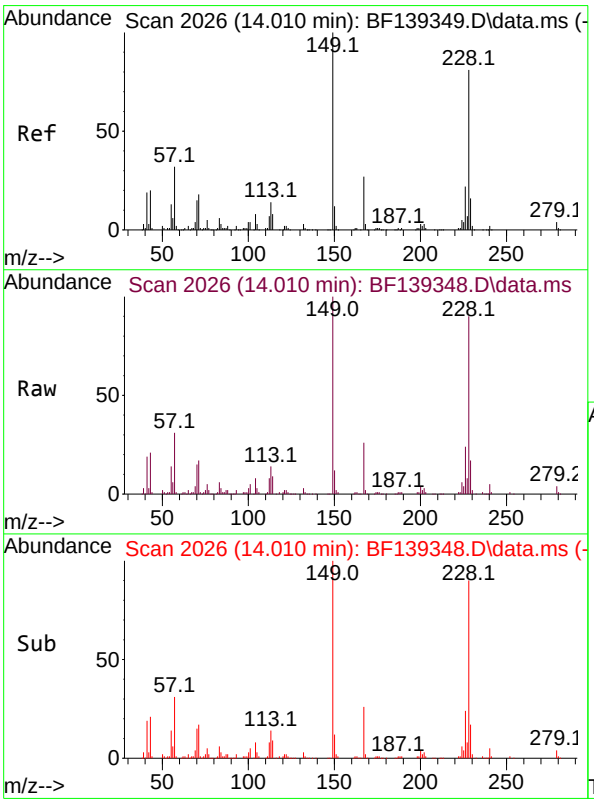

#83
Chrysene
Concen: 20.240 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:228 Resp: 163920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.1 | 36.1 |
| 229 | 18.8 | 15.4 | 23.0 |

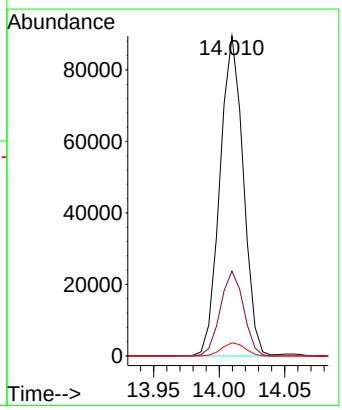


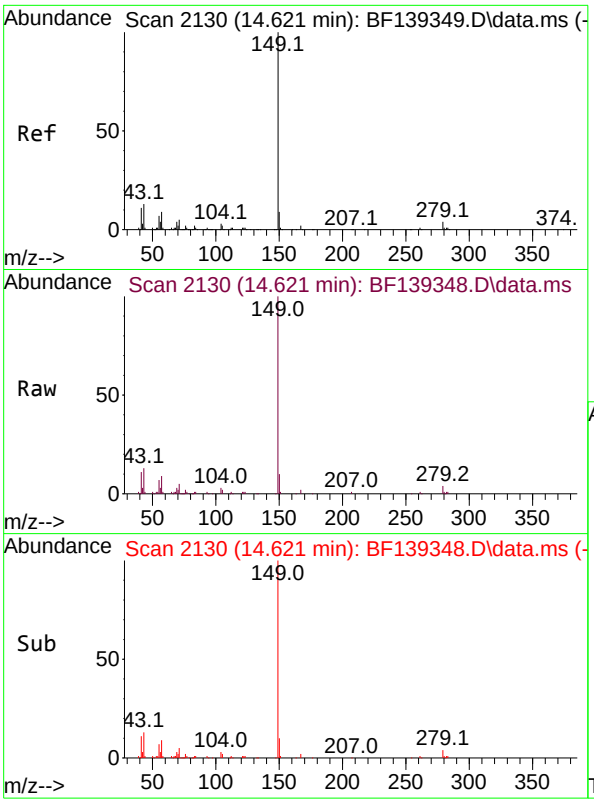




#84
Bis(2-ethylhexyl)phthalate
Concen: 30.577 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:149 Resp: 110906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.6 | 32.4 |
| 279 | 4.1 | 3.3 | 4.9 |



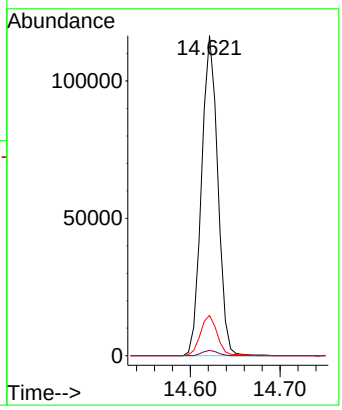


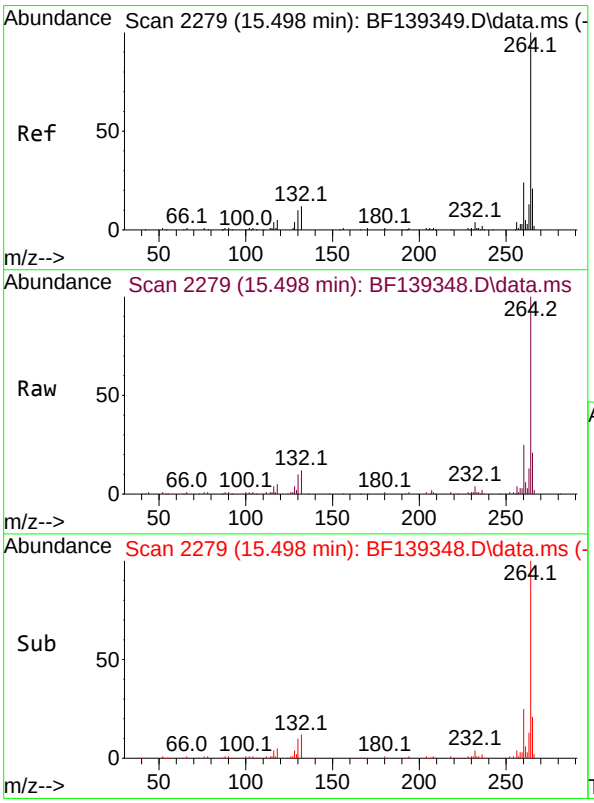

#85
Di-n-octyl phthalate
Concen: 21.054 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:149 Resp: 146208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 13.1 | 10.6 | 16.0 |

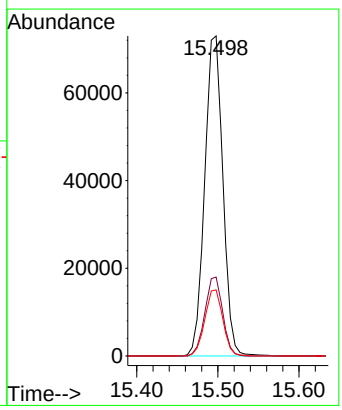


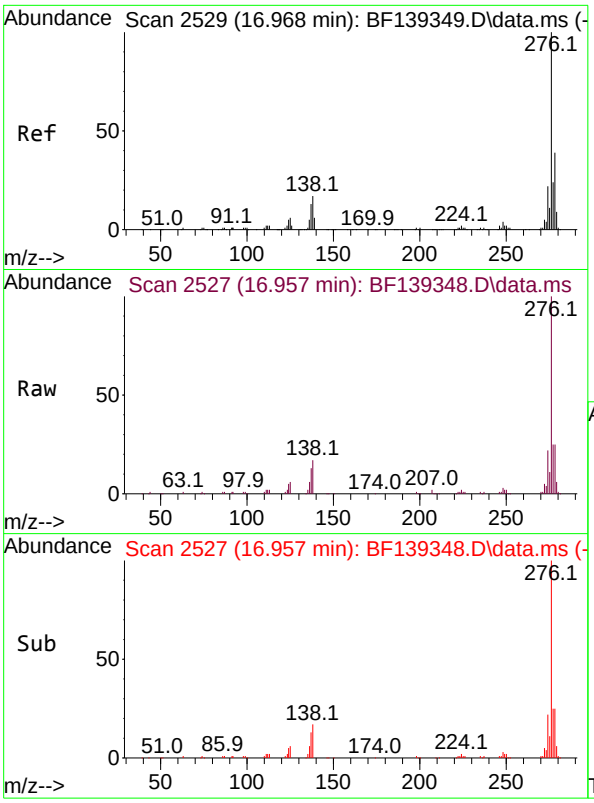




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:264 Resp: 113195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 19.5 | 29.3 |
| 265 | 20.6 | 16.6 | 25.0 |



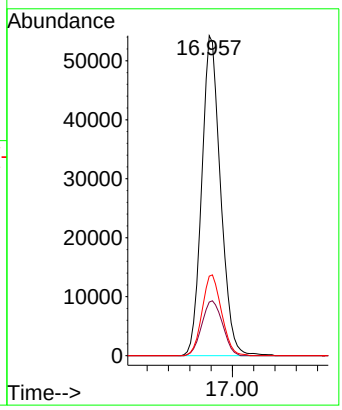


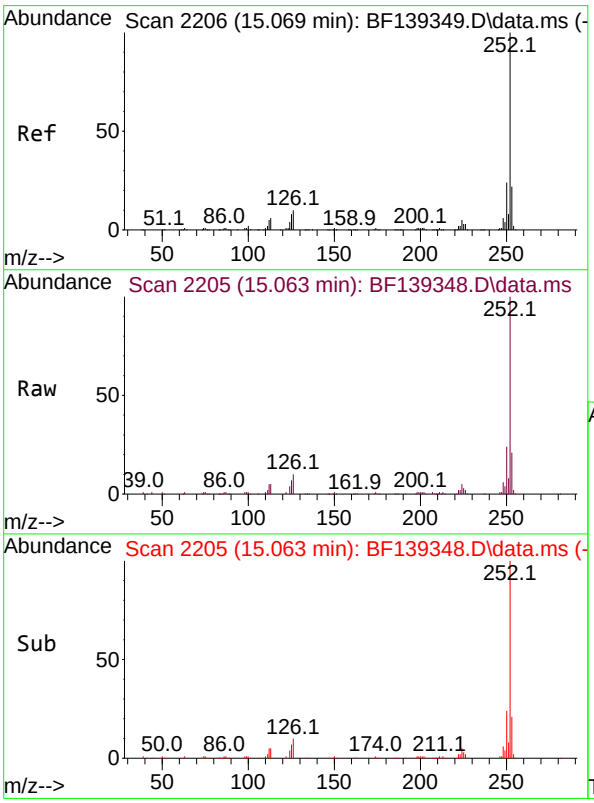

#87
Indeno(1,2,3-cd)pyrene
Concen: 18.812 ng
RT: 16.957 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:276 Resp: 133029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.8 | 15.4 | 23.2 |
| 277 | 26.0 | 20.4 | 30.6 |

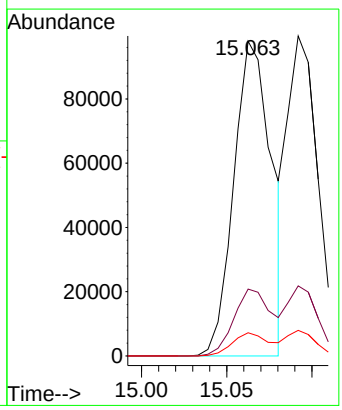


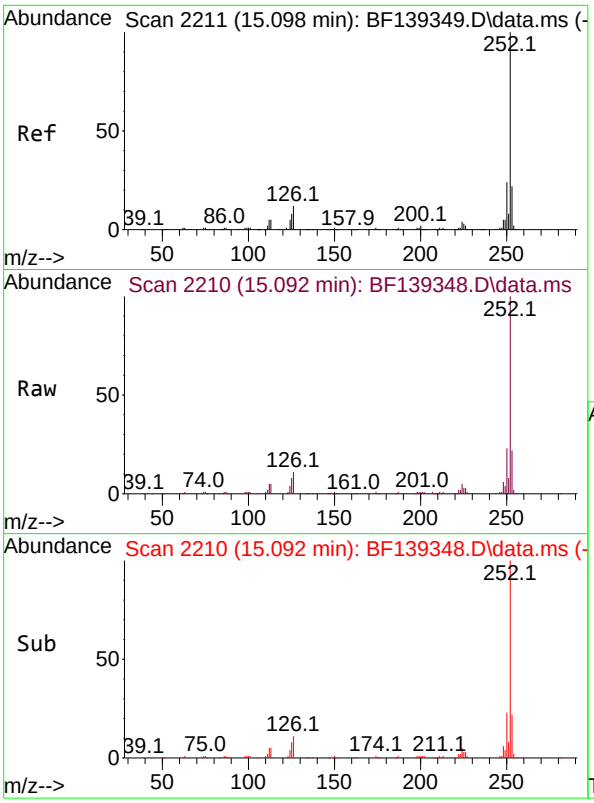




#88
Benzo(b)fluoranthene
Concen: 23.132 ng
RT: 15.063 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:252 Resp: 150795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.6 | 26.4 |
| 125 | 7.4 | 6.2 | 9.2 |



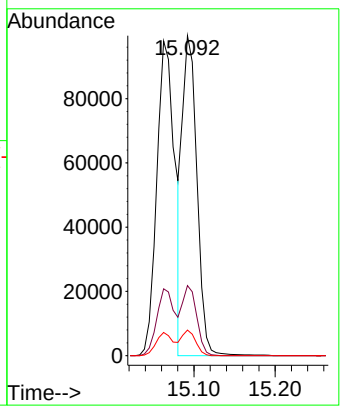


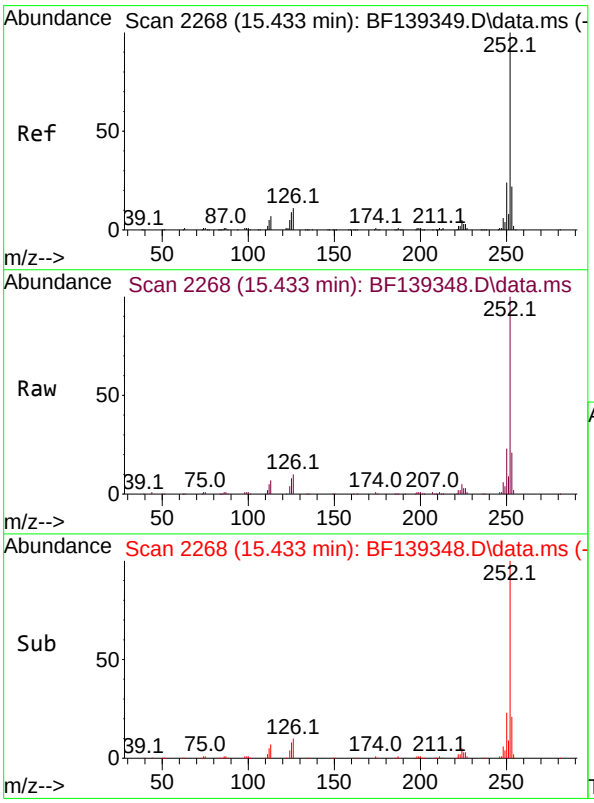

#89
Benzo(k)fluoranthene
Concen: 21.436 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:252 Resp: 125290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.3 | 25.9 |
| 125 | 8.0 | 5.9 | 8.9 |

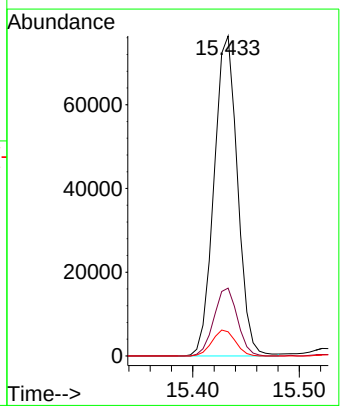


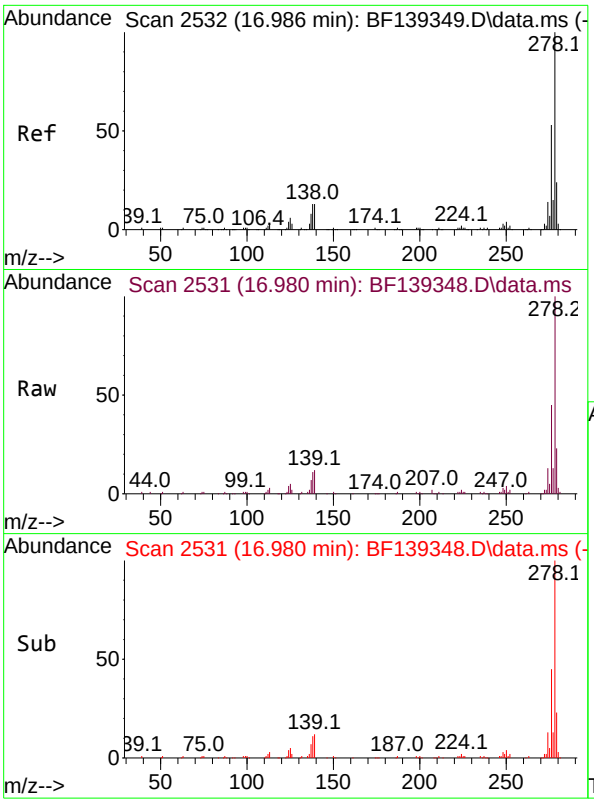




#90
Benzo(a)pyrene
Concen: 21.093 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:252 Resp: 116755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.3 | 25.9 |
| 125 | 7.6 | 6.8 | 10.2 |



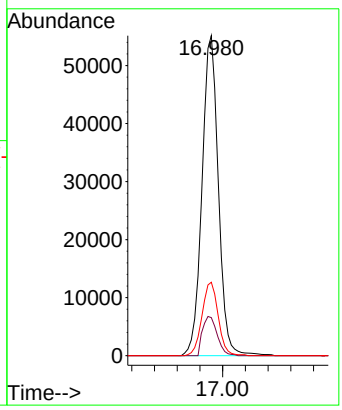


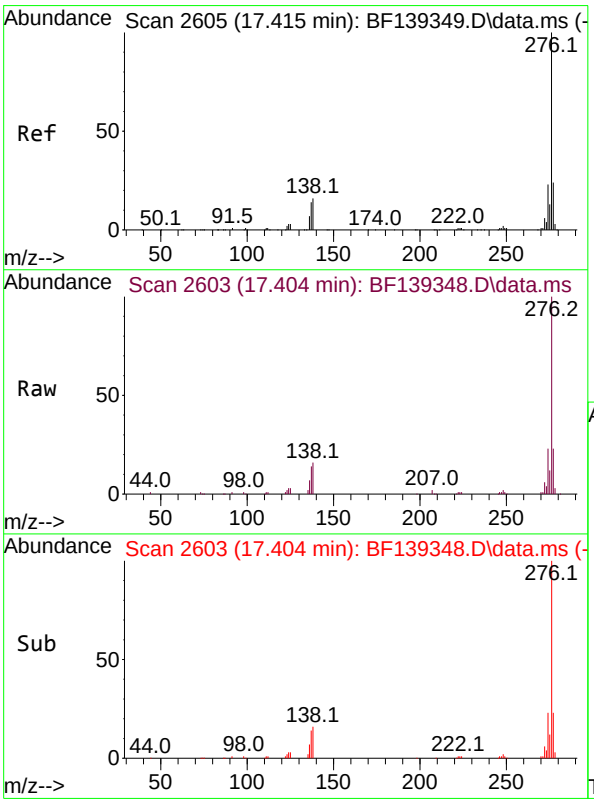

#91
Dibenzo(a,h)anthracene
Concen: 18.908 ng
RT: 16.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

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

Tgt Ion:278 Resp: 110187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.9 | 10.2 | 15.2 |
| 279 | 23.0 | 18.9 | 28.3 |

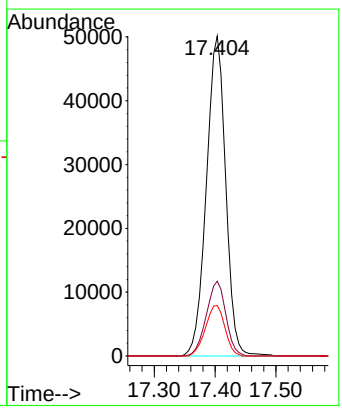



#92
Benzo(g,h,i)perylene
Concen: 18.329 ng
RT: 17.404 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF139348.D
Acq: 13 Sep 2024 15:57

Tgt Ion:276 Resp: 110255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.9 | 28.3 |
| 138 | 15.8 | 13.0 | 19.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139349.D
Acq On : 13 Sep 2024 16:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:16:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 52723 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 182509 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 98703 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 194097 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 109489 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 106513 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 256515 | 81.391 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 337081 | 80.116 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 321670 | 91.690 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 90543 | 106.232 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 588478 | 92.034 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 590790 | 87.121 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.658 | 88 | 52091 | 35.492 | ng | 100 |
| 3) Pyridine | 3.410 | 79 | 115745 | 32.671 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 99237 | 43.135 | ng | 100 |
| 6) Aniline | 6.569 | 93 | 125942m | 32.552 | ng | |
| 8) 2-Chlorophenol | 6.663 | 128 | 130959 | 40.094 | ng | 100 |
| 9) Benzaldehyde | 6.428 | 77 | 87815 | 34.480 | ng | 100 |
| 10) Phenol | 6.522 | 94 | 169642 | 38.225 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 119505 | 37.587 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 149106 | 40.331 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 150962 | 40.796 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 141725 | 41.065 | ng | 100 |
| 15) Benzyl Alcohol | 7.016 | 79 | 135194 | 44.061 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 196996 | 32.548 | ng | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 104016 | 38.985 | ng | 100 |
| 18) Hexachloroethane | 7.393 | 117 | 57283 | 43.342 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.293 | 70 | 99024 | 40.865 | ng | 100 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 142417 | 42.353 | ng | 100 |
| 22) Acetophenone | 7.287 | 105 | 196581 | 45.212 | ng | 100 |
| 24) Nitrobenzene | 7.463 | 77 | 165350 | 44.406 | ng | 100 |
| 25) Isophorone | 7.698 | 82 | 250157 | 41.707 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 66347 | 45.366 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 85952 | 41.208 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 141226 | 39.520 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 107629 | 43.097 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 124438 | 43.628 | ng | 100 |
| 31) Naphthalene | 8.181 | 128 | 390544 | 42.255 | ng | 100 |
| 32) Benzoic acid | 7.922 | 122 | 80333 | 42.284 | ng | 100 |
| 33) 4-Chloroaniline | 8.234 | 127 | 123133 | 38.476 | ng | 100 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 84620 | 46.820 | ng | 100 |
| 35) Caprolactam | 8.598 | 113 | 34107 | 44.115 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 124337 | 45.688 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 248380 | 42.953 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 241525 | 42.469 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 122103 | 43.724 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 45137 | 50.294 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 83204 | 45.538 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139349.D
Acq On : 13 Sep 2024 16:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:16:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 85716 | 44.767 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 318340 | 43.531 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 239859 | 43.438 | ng | 100 |
| 48) 2-Nitroaniline | 9.457 | 65 | 89926 | 47.281 | ng | 100 |
| 49) Acenaphthylene | 9.775 | 152 | 358182 | 43.067 | ng | 100 |
| 50) Dimethylphthalate | 9.634 | 163 | 272789 | 45.599 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 61729 | 45.483 | ng | 100 |
| 52) Acenaphthene | 9.945 | 154 | 254549 | 46.146 | ng | 100 |
| 53) 3-Nitroaniline | 9.863 | 138 | 62889 | 43.492 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 35233 | 60.625 | ng | 100 |
| 55) Dibenzofuran | 10.116 | 168 | 351419 | 44.435 | ng | 100 |
| 56) 4-Nitrophenol | 10.016 | 139 | 52194 | 48.904 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 85730 | 49.629 | ng | 100 |
| 58) Fluorene | 10.463 | 166 | 290609 | 47.395 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.234 | 232 | 70914 | 47.051 | ng | 100 |
| 60) Diethylphthalate | 10.334 | 149 | 284254 | 48.283 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 139089 | 47.037 | ng | 100 |
| 62) 4-Nitroaniline | 10.481 | 138 | 68663 | 49.885 | ng | 100 |
| 63) Azobenzene | 10.610 | 77 | 280849 | 45.262 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 45281 | 50.489 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 233278 | 41.289 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 80176 | 42.574 | ng | 100 |
| 68) Hexachlorobenzene | 11.004 | 284 | 94276 | 43.730 | ng | 100 |
| 69) Atrazine | 11.092 | 200 | 47081 | 36.119 | ng | 100 |
| 70) Pentachlorophenol | 11.198 | 266 | 58297 | 46.813 | ng | 100 |
| 71) Phenanthrene | 11.422 | 178 | 389660 | 42.974 | ng | 100 |
| 72) Anthracene | 11.475 | 178 | 383110 | 43.252 | ng | 100 |
| 73) Carbazole | 11.628 | 167 | 367107 | 44.344 | ng | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 417404 | 49.242 | ng | 100 |
| 75) Fluoranthene | 12.610 | 202 | 421114 | 46.325 | ng | 100 |
| 77) Benzidine | 12.727 | 184 | 84080 | 38.138 | ng | 100 |
| 78) Pyrene | 12.833 | 202 | 421208 | 39.824 | ng | 100 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 137311 | 55.148 | ng | 100 |
| 81) Benzo(a)anthracene | 14.022 | 228 | 297337 | 42.529 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 81918 | 44.120 | ng | 100 |
| 83) Chrysene | 14.057 | 228 | 270196 | 41.408 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 167358 | 57.267 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 247331 | 44.204 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.968 | 276 | 290402 | 43.643 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.069 | 252 | 261127 | 42.570 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 253691 | 46.126 | ng | 100 |
| 90) Benzo(a)pyrene | 15.433 | 252 | 229237 | 44.011 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.986 | 278 | 233814 | 42.639 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.415 | 276 | 235706 | 41.642 | ng | 100 |

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

ICAL Form

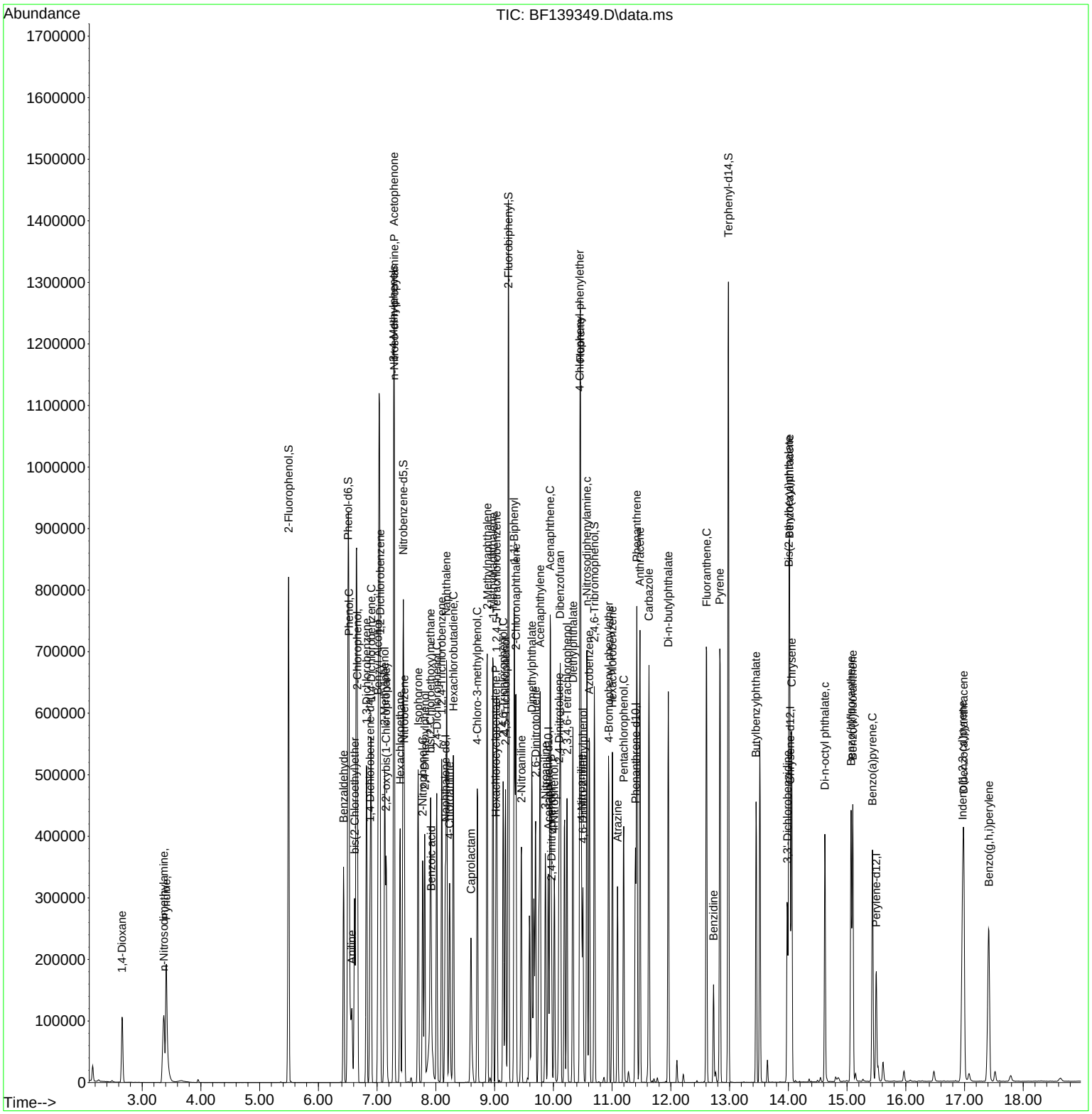
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139349.D
Acq On : 13 Sep 2024 16:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

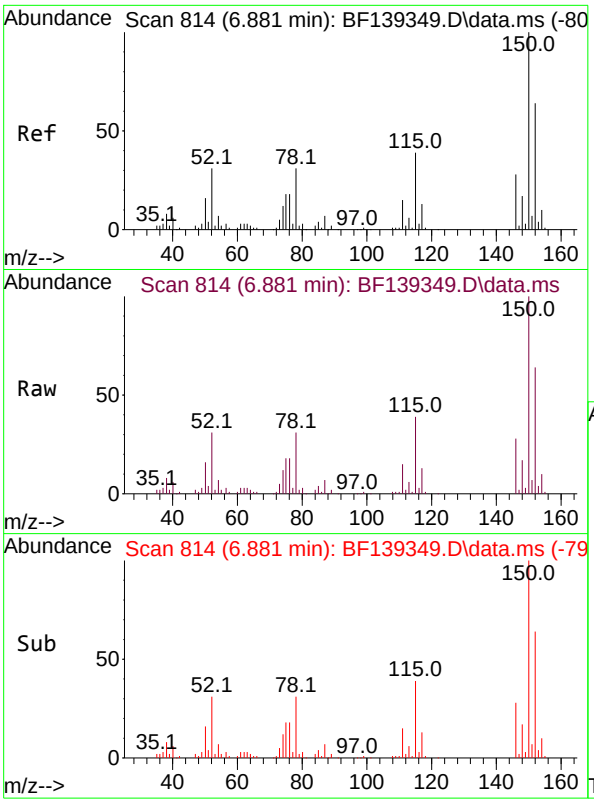
Quant Time: Sep 14 02:16:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:10:24 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

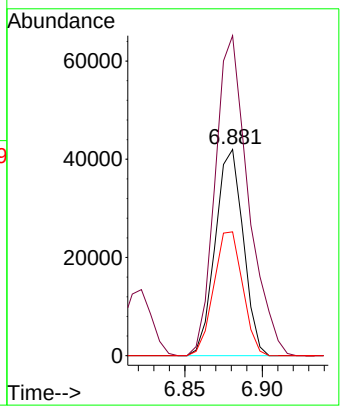





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:152 Resp: 5272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 124.1 | 186.1 |
| 115 | 60.1 | 48.1 | 72.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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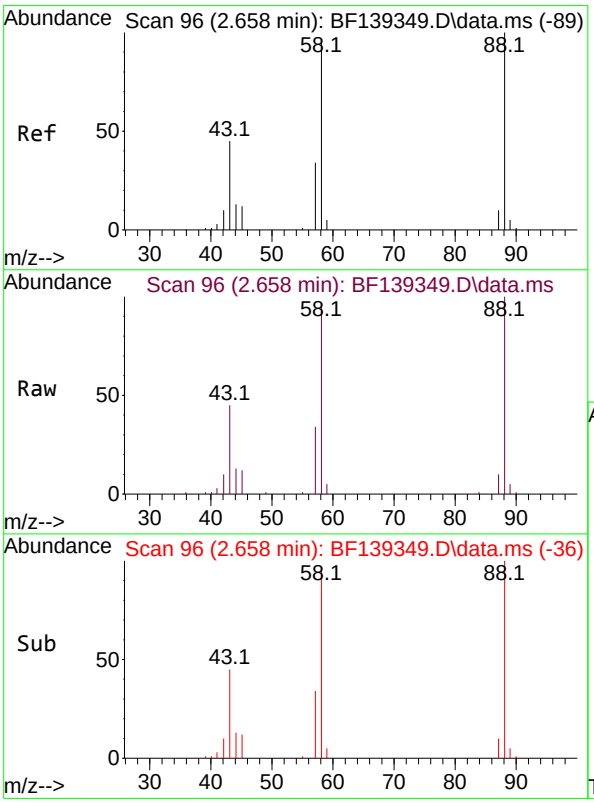
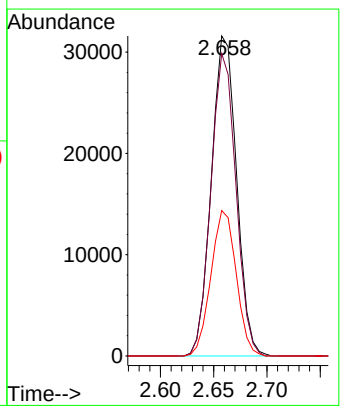
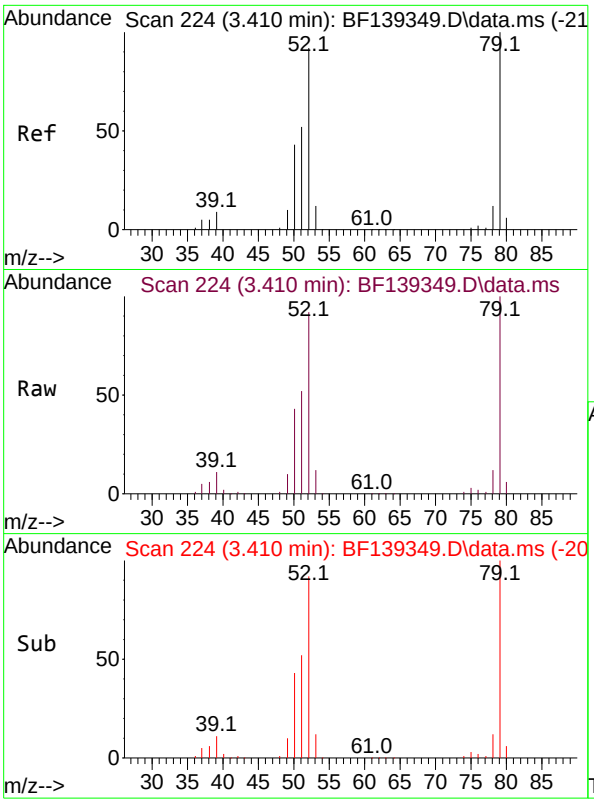



#2
1,4-Dioxane
Concen: 35.492 ng
RT: 2.658 min Scan# 96
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 88 Resp: 52091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 93.5 | 74.8 | 112.2 |
| 43 | 45.5 | 36.4 | 54.6 |

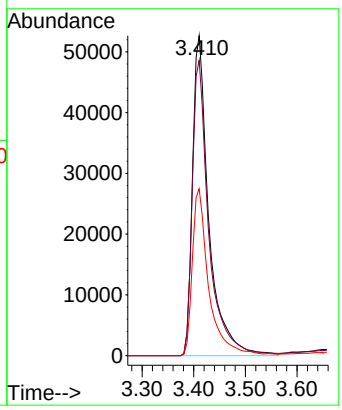





#3
Pyridine
Concen: 32.671 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 79 Resp: 11574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.3 | 73.8 | 110.8 |
| 51 | 52.2 | 41.8 | 62.6 |

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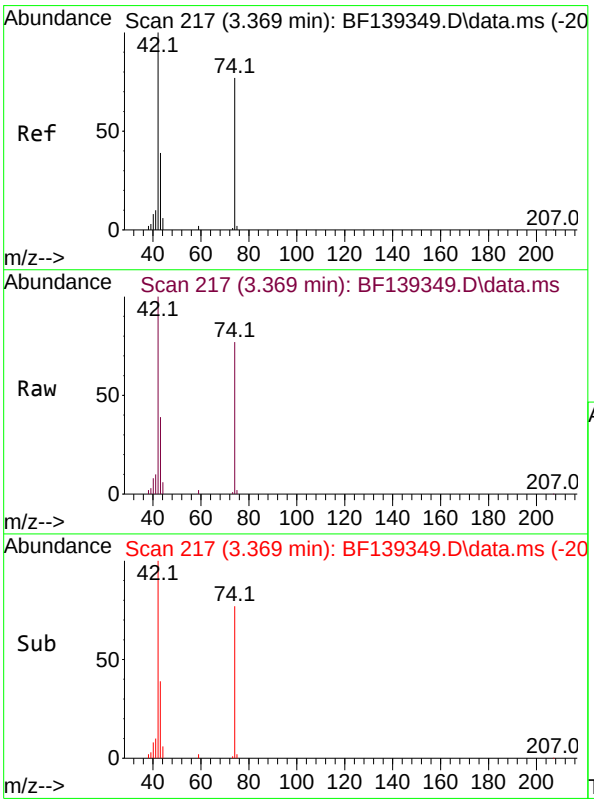
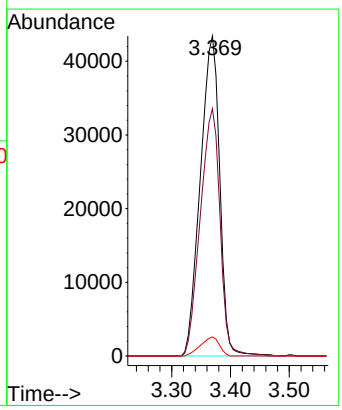
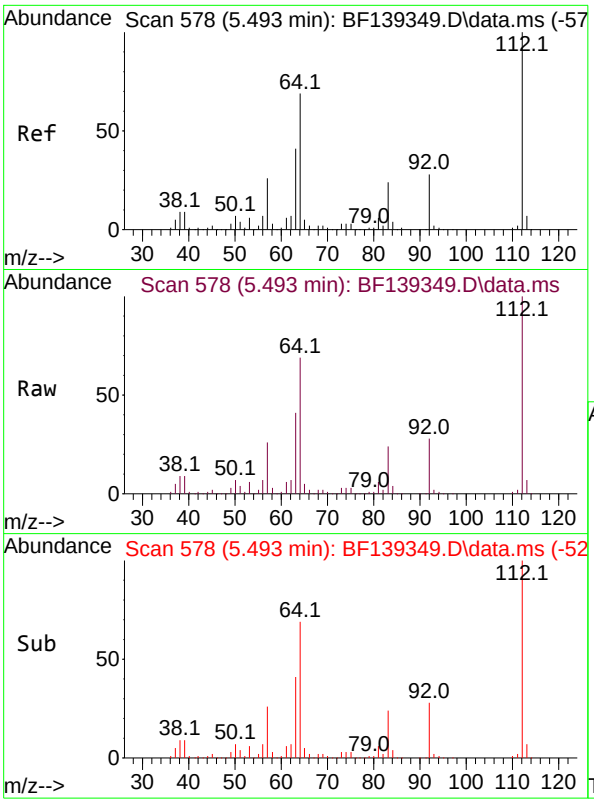



#4
n-Nitrosodimethylamine
Concen: 43.135 ng
RT: 3.369 min Scan# 217
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 42 Resp: 99237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 77.3 | 61.8 | 92.8 |
| 44 | 6.0 | 4.8 | 7.2 |






#5
2-Fluorophenol
Concen: 81.391 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:112 Resp: 25651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.5 | 54.8 | 82.2 |
| 63 | 41.2 | 33.0 | 49.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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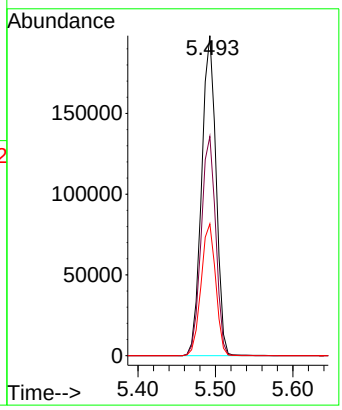
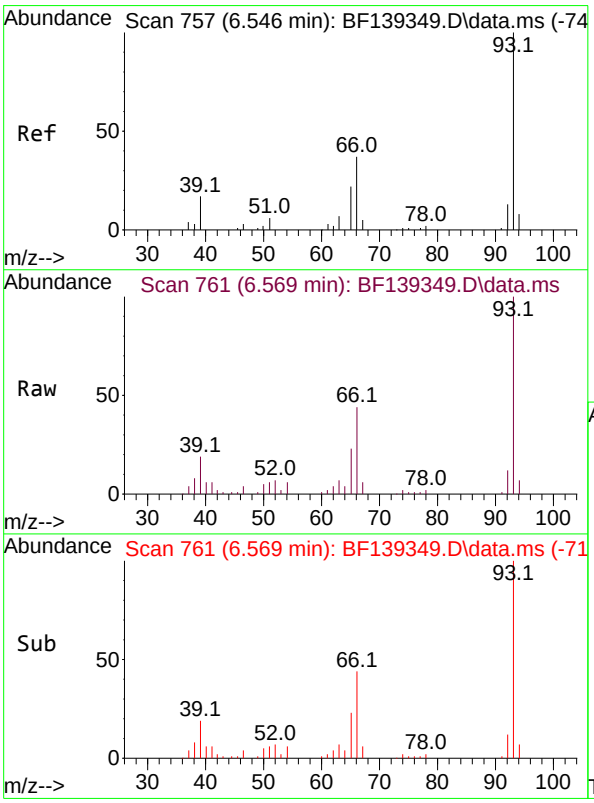
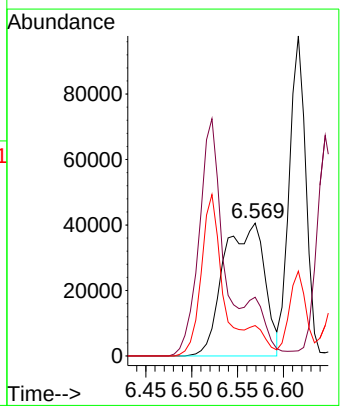


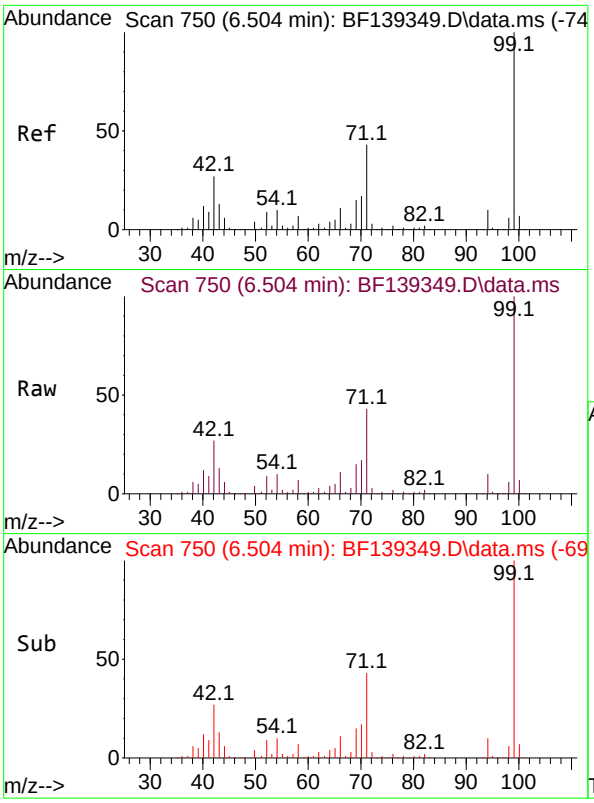




#6
Aniline
Concen: 32.552 ng m
RT: 6.569 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 93 Resp: 125942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 44.2 | 35.4 | 53.0 |
| 65 | 22.8 | 18.2 | 27.4 |

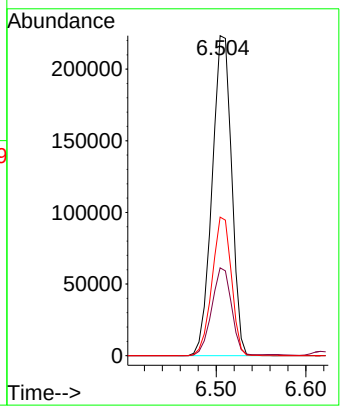





#7
Phenol-d6
Concen: 80.116 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 99 Resp: 33708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.4 | 21.9 | 32.9 |
| 71 | 43.3 | 34.6 | 52.0 |




**Instrument :**
BNA_F
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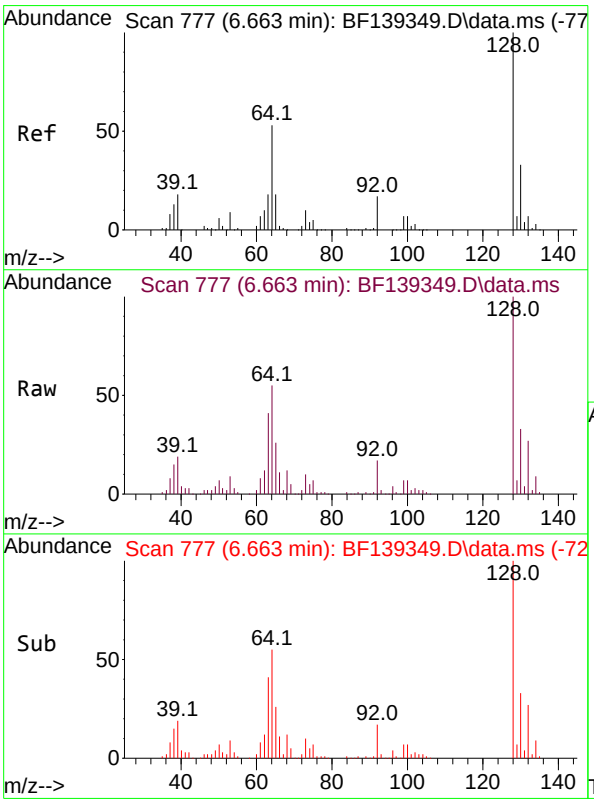
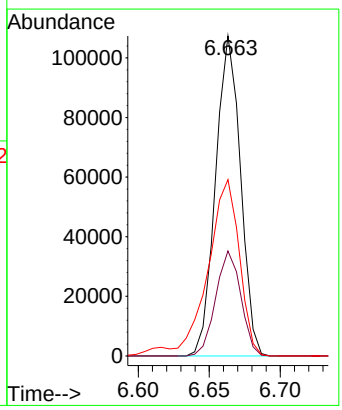
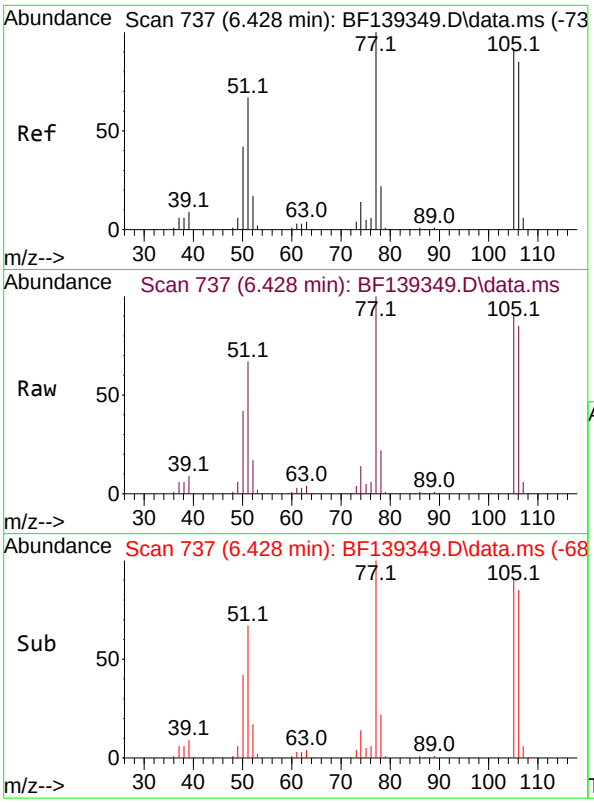



#8
2-Chlorophenol
Concen: 40.094 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:128 Resp: 130959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.8 | 52.8 |
| 64 | 55.1 | 35.1 | 75.1 |

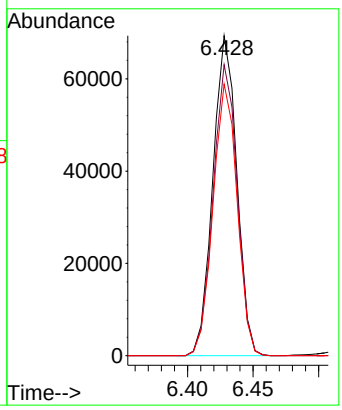





#9
Benzaldehyde
Concen: 34.480 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 77 Resp: 8781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.0 | 71.0 | 111.0 |
| 106 | 84.9 | 64.9 | 104.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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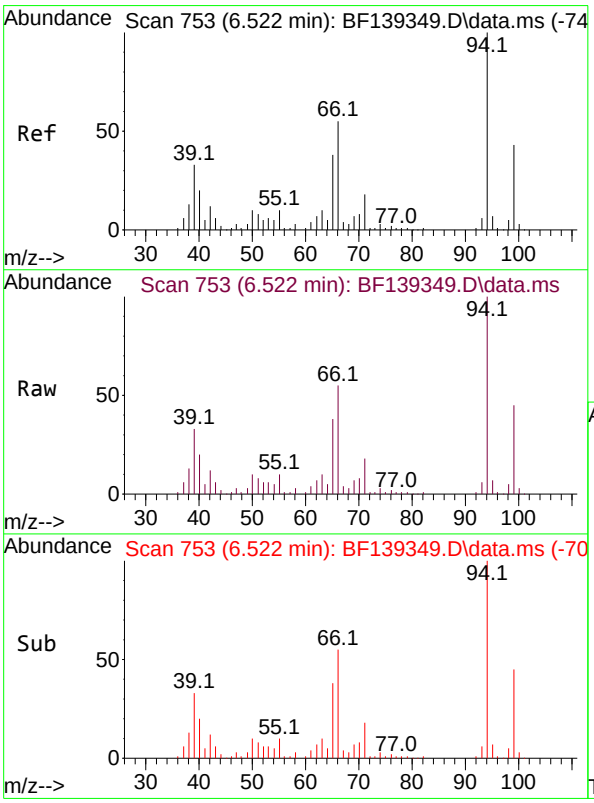
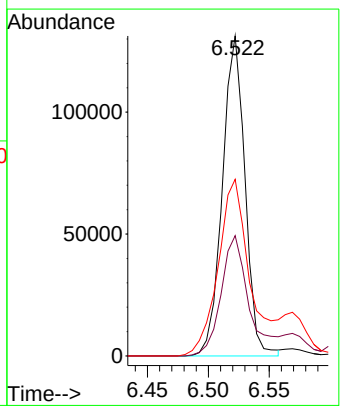
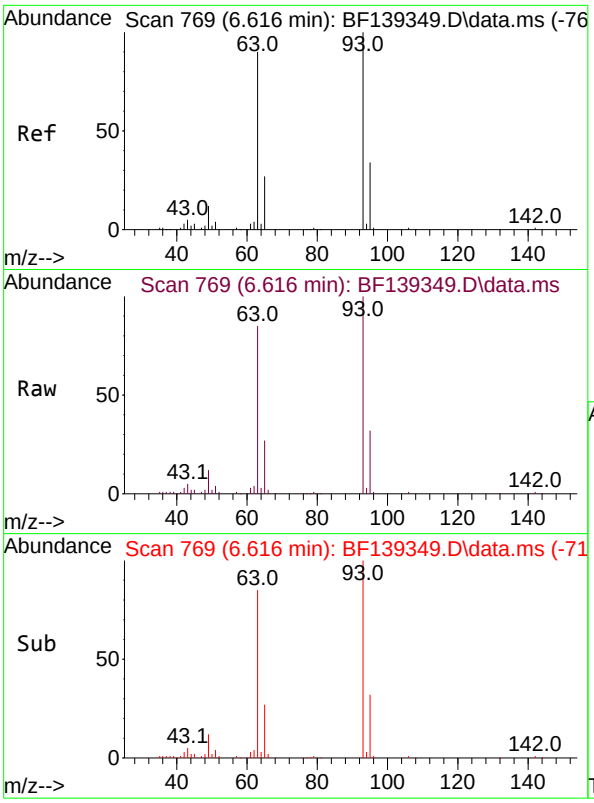



#10
Phenol
Concen: 38.225 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 94 Resp: 169642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.6 | 17.6 | 57.6 |
| 66 | 55.2 | 35.2 | 75.2 |

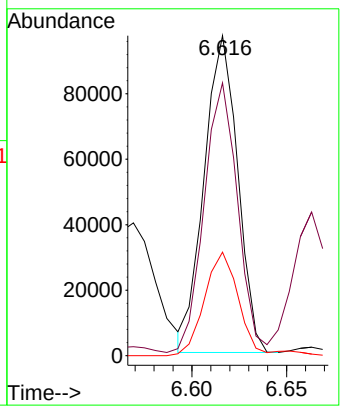





#11
bis(2-Chloroethyl)ether
Concen: 37.587 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 93 Resp: 11950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.3 | 65.3 | 105.3 |
| 95 | 32.4 | 12.4 | 52.4 |

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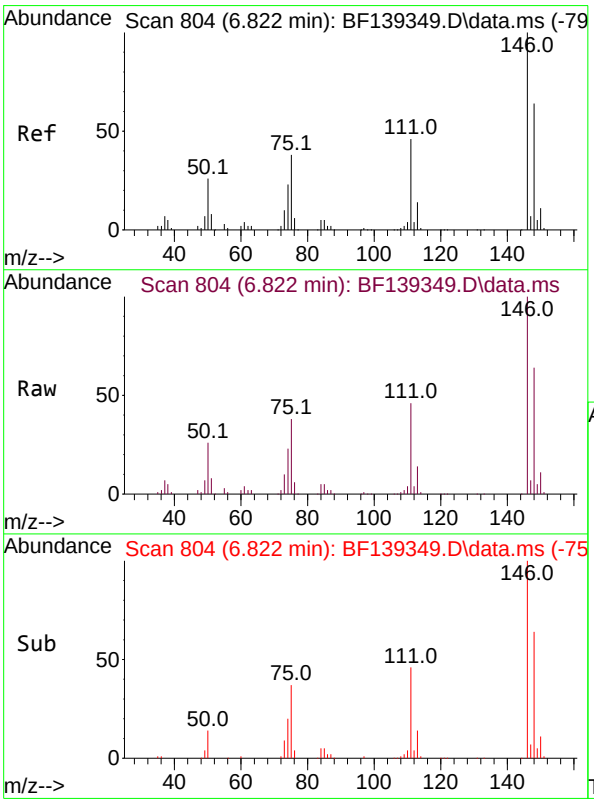
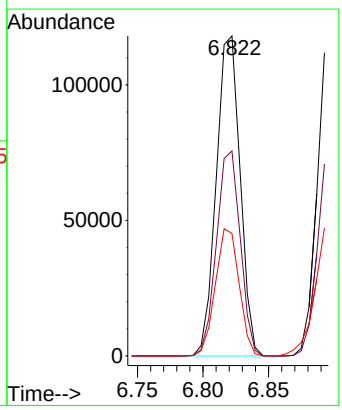
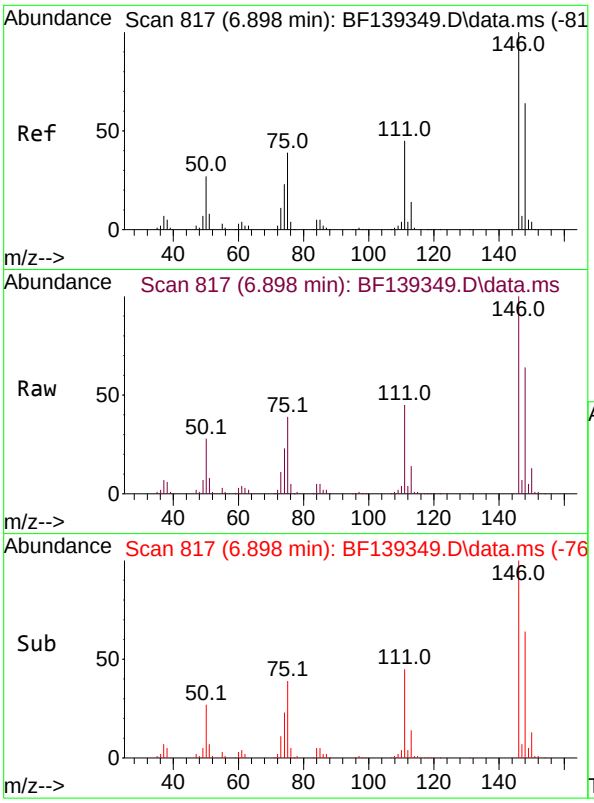



#12
1,3-Dichlorobenzene
Concen: 40.331 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:146 Resp: 149106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 75 | 38.3 | 30.6 | 46.0 |

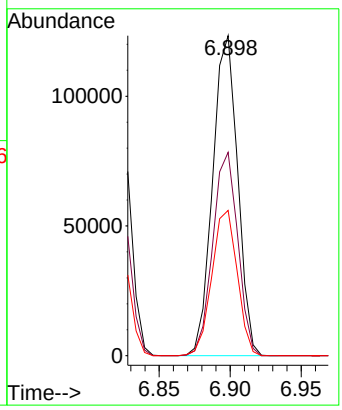





#13
1,4-Dichlorobenzene
Concen: 40.796 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:146 Resp: 15096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.9 | 76.3 |
| 111 | 45.4 | 36.3 | 54.5 |

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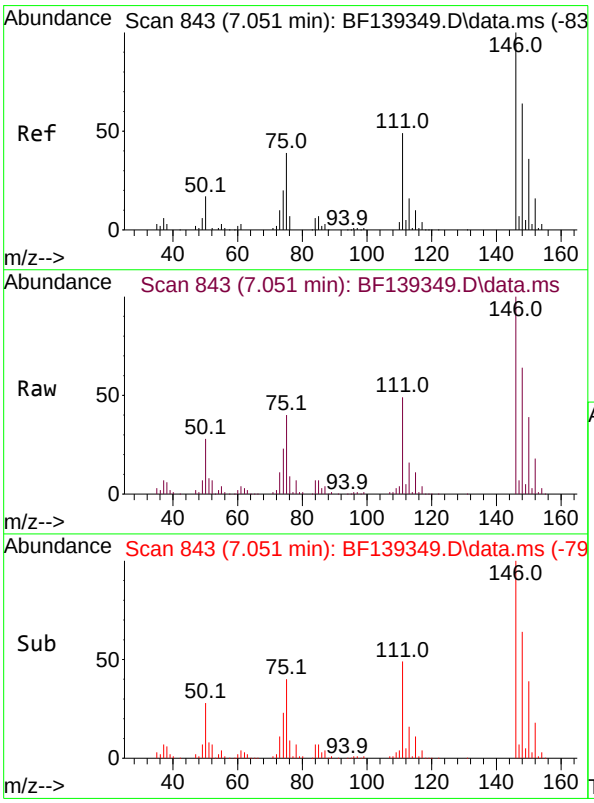
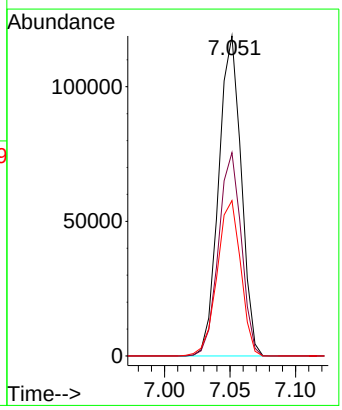
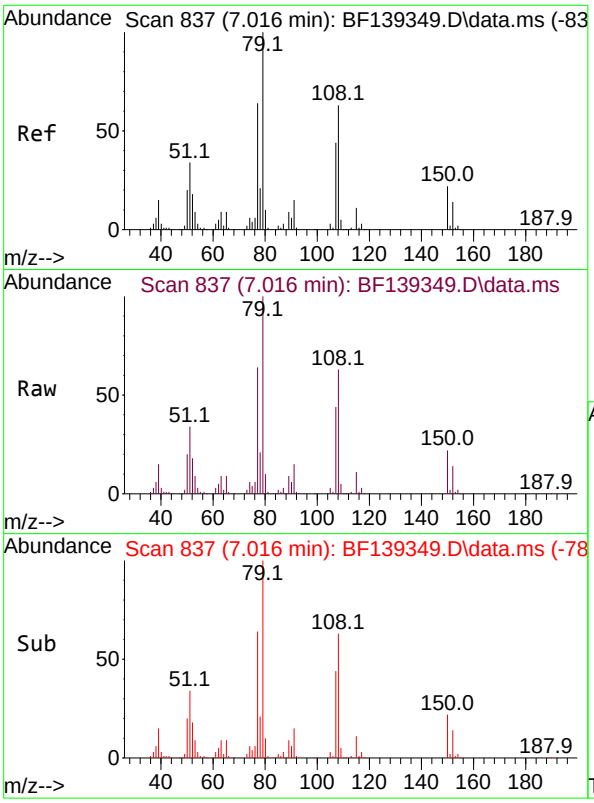



#14
1,2-Dichlorobenzene
Concen: 41.065 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:146 Resp: 141725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.9 | 76.3 |
| 111 | 48.6 | 38.9 | 58.3 |

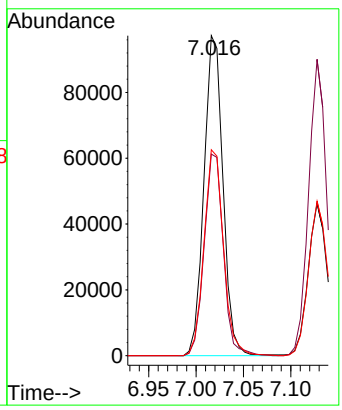





#15
Benzyl Alcohol
Concen: 44.061 ng
RT: 7.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 79 Resp: 13519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 63.0 | 50.4 | 75.6 |
| 77 | 64.3 | 51.4 | 77.2 |




**Instrument :**
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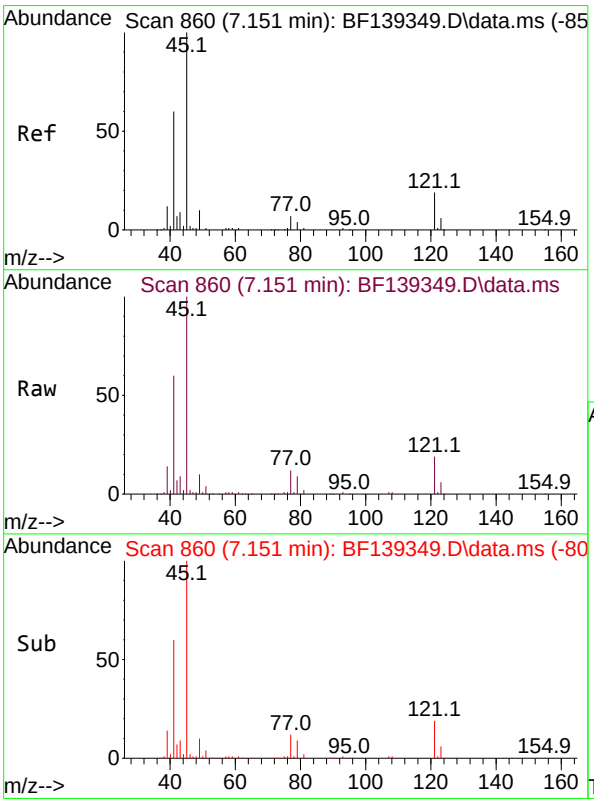
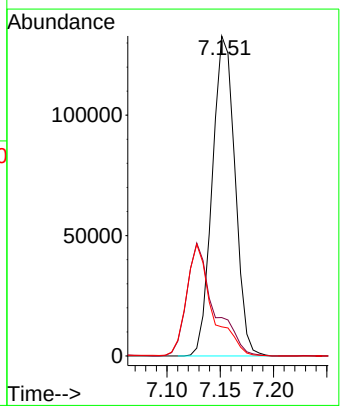
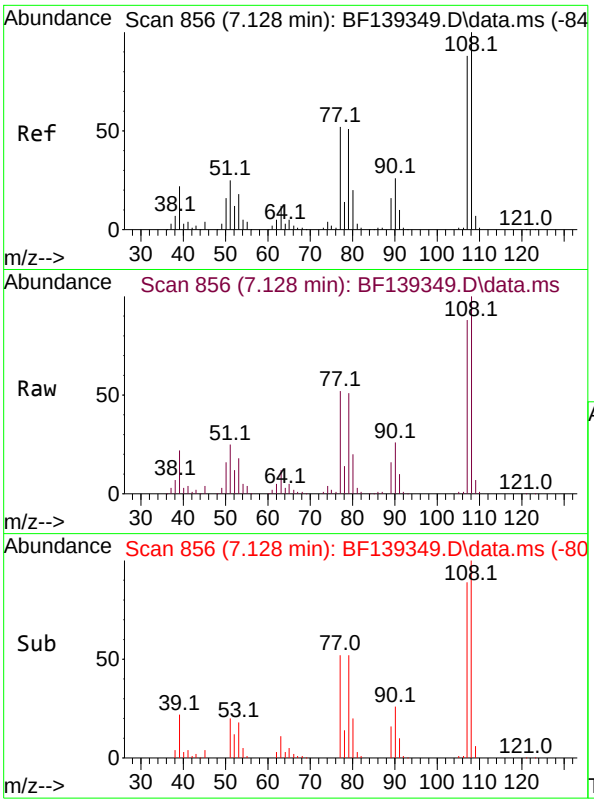



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.548 ng
RT: 7.151 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 45 Resp: 196996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.0 | 0.0 | 32.0 |
| 79 | 9.1 | 0.0 | 29.1 |

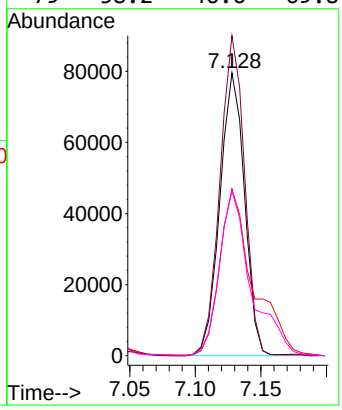





#17
2-Methylphenol
Concen: 38.985 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:107 Resp: 10401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.1 | 90.5 | 135.7 |
| 77 | 58.9 | 47.1 | 70.7 |
| 79 | 58.2 | 46.6 | 69.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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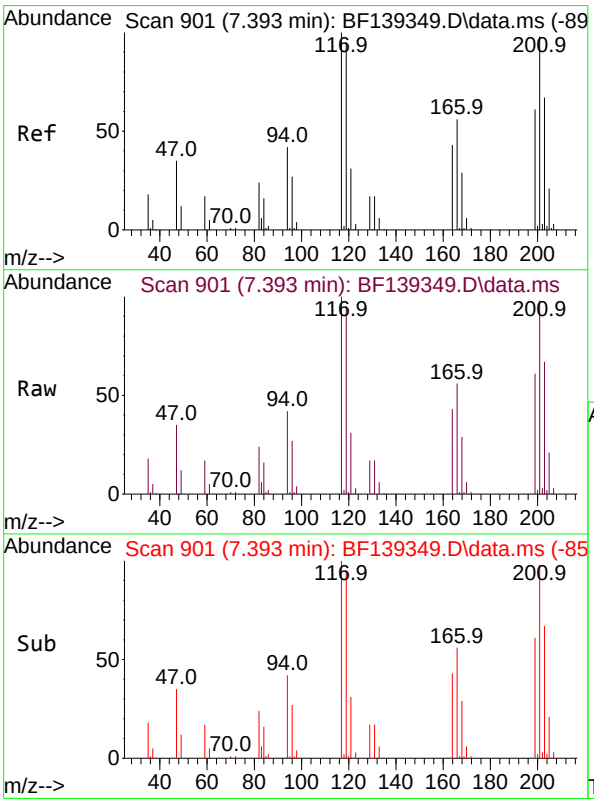
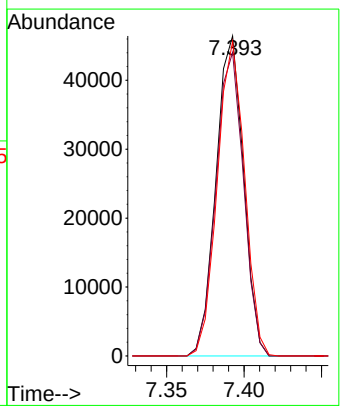
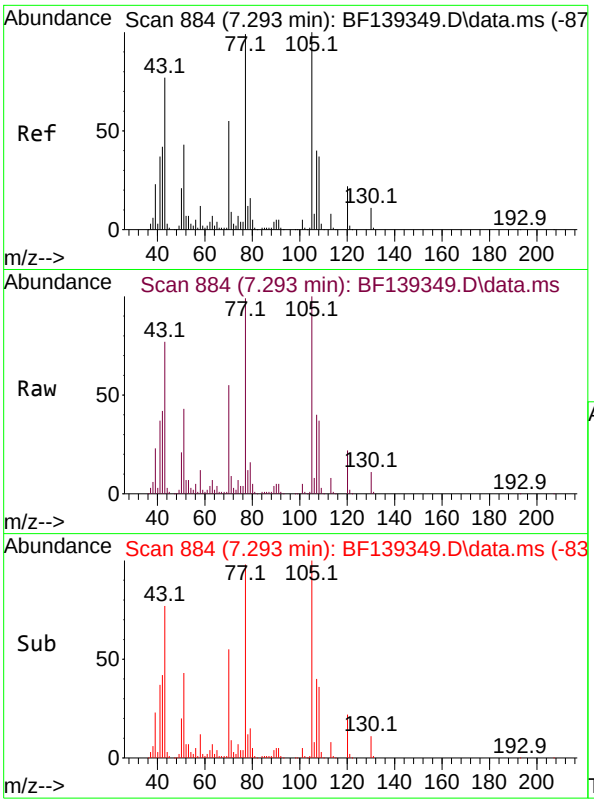



#18
Hexachloroethane
Concen: 43.342 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:117 Resp: 57283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 75.8 | 113.8 |
| 201 | 98.3 | 78.6 | 118.0 |

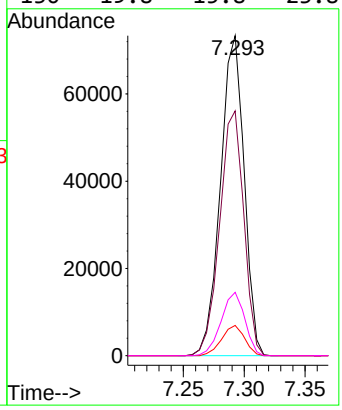





#19
n-Nitroso-di-n-propylamine
Concen: 40.865 ng
RT: 7.293 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 70 Resp: 9902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 76.5 | 61.2 | 91.8 |
| 101 | 9.4 | 7.5 | 11.3 |
| 130 | 19.8 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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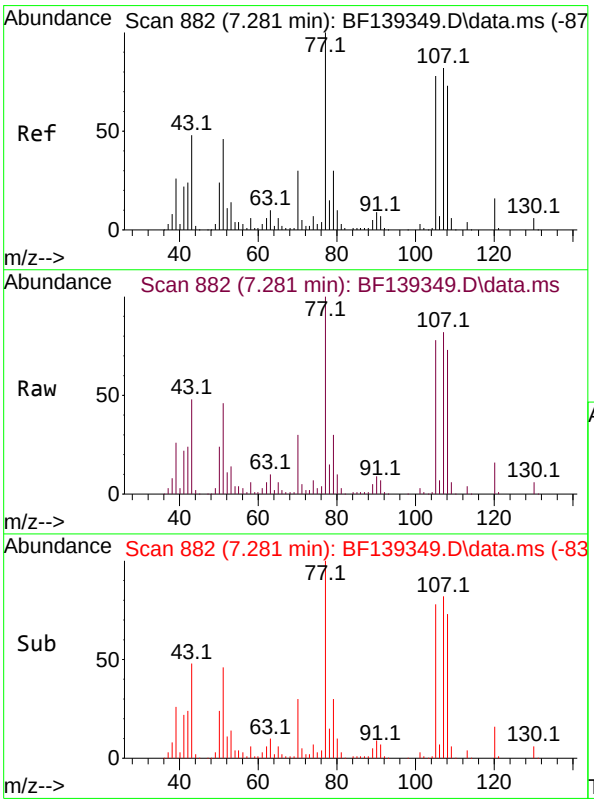
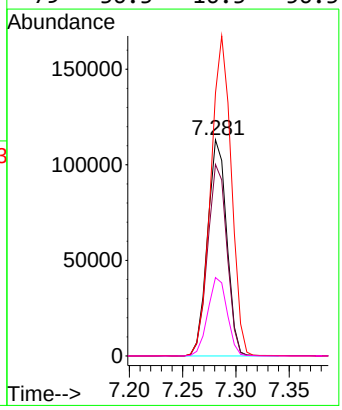
Supervised By :mohammad ahmed 09/16/2024

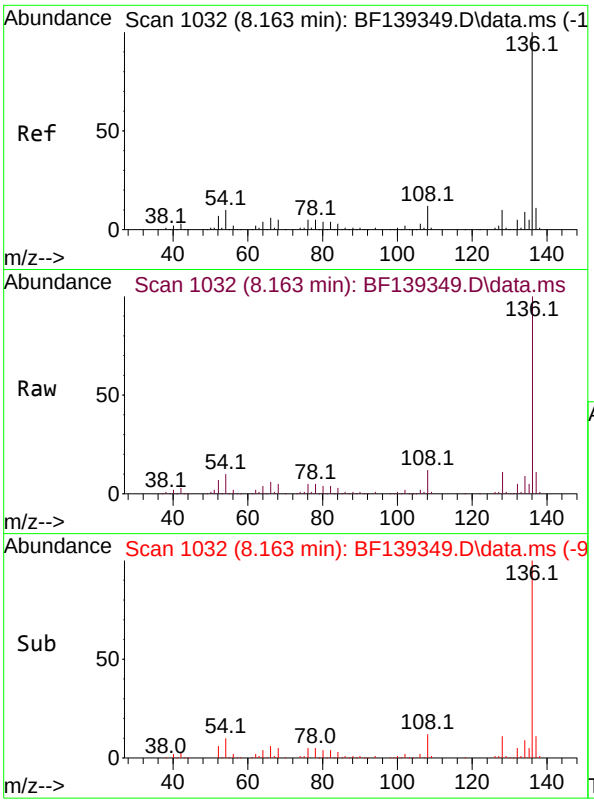



#20
3+4-Methylphenols
Concen: 42.353 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:107 Resp: 142417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.6 | 68.6 | 108.6 |
| 77 | 121.6 | 101.6 | 141.6 |
| 79 | 36.3 | 16.3 | 56.3 |

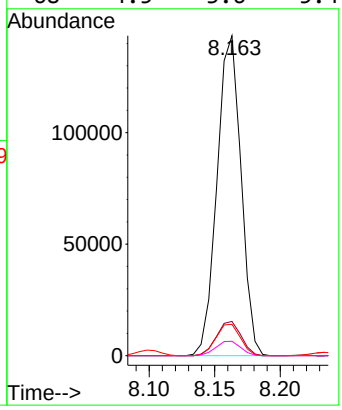





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:136 Resp: 18250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.5 | 3.6 | 5.4 |




**Instrument :**
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**ClientSampleId :**
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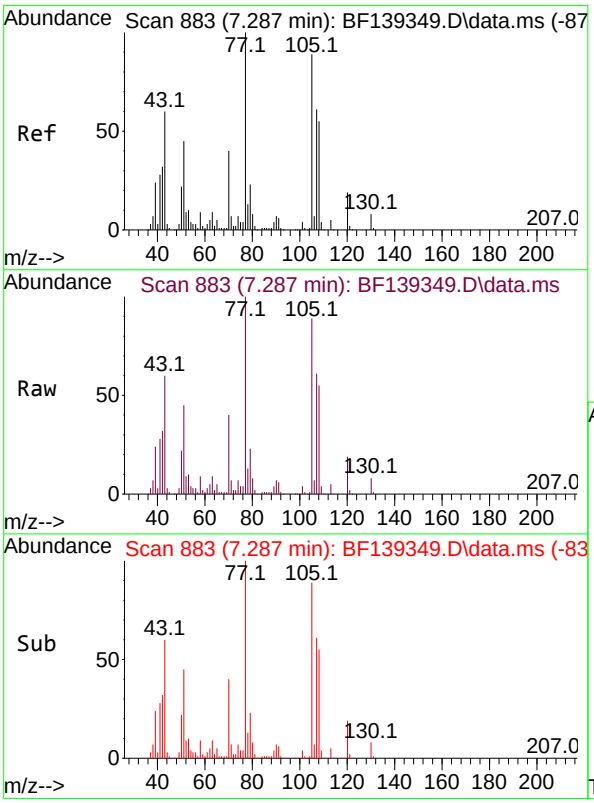
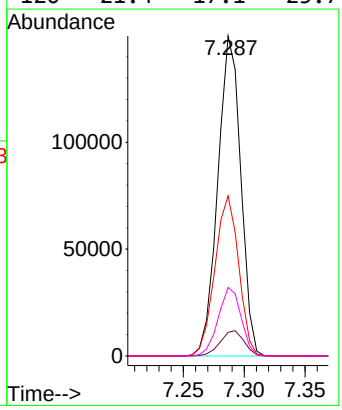
Supervised By :mohammad ahmed 09/16/2024

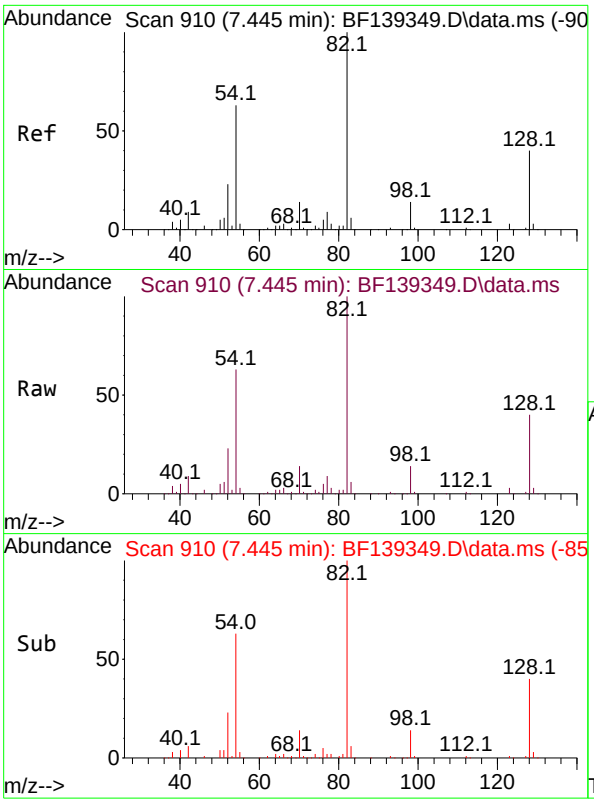



#22
Acetophenone
Concen: 45.212 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:105 Resp: 196581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 5.9 | 8.9 |
| 51 | 50.0 | 40.0 | 60.0 |
| 120 | 21.4 | 17.1 | 25.7 |

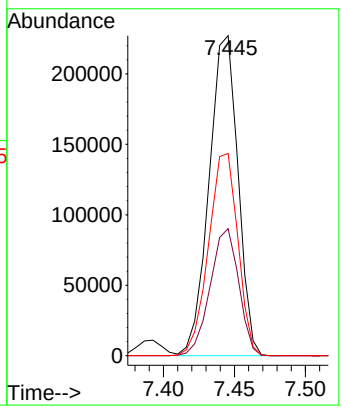





#23
Nitrobenzene-d5
Concen: 91.690 ng
RT: 7.445 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 82 Resp: 32167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.7 | 31.8 | 47.6 |
| 54 | 63.2 | 50.6 | 75.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
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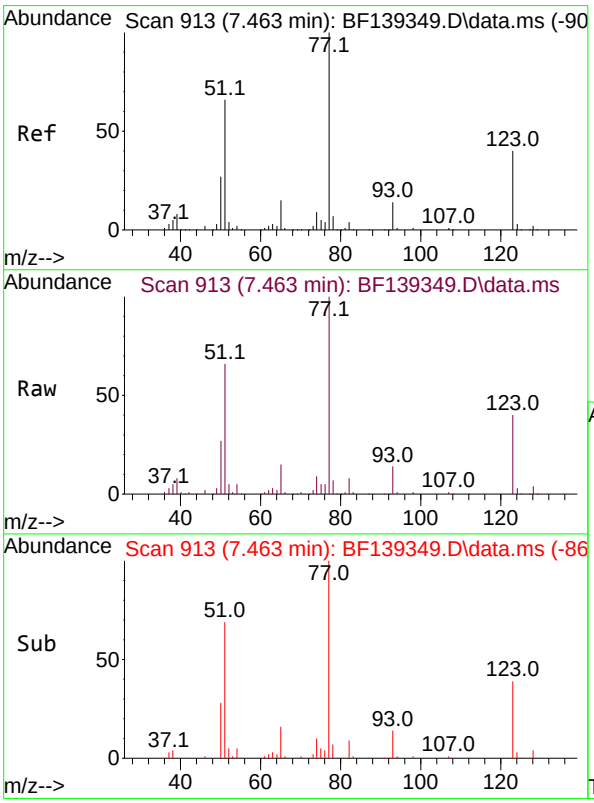
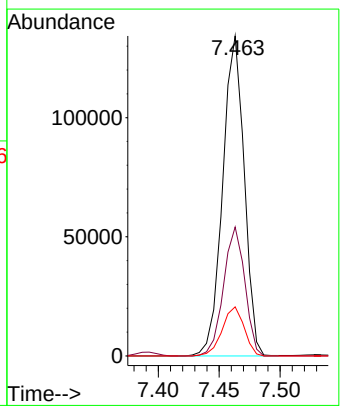
Supervised By :mohammad ahmed 09/16/2024

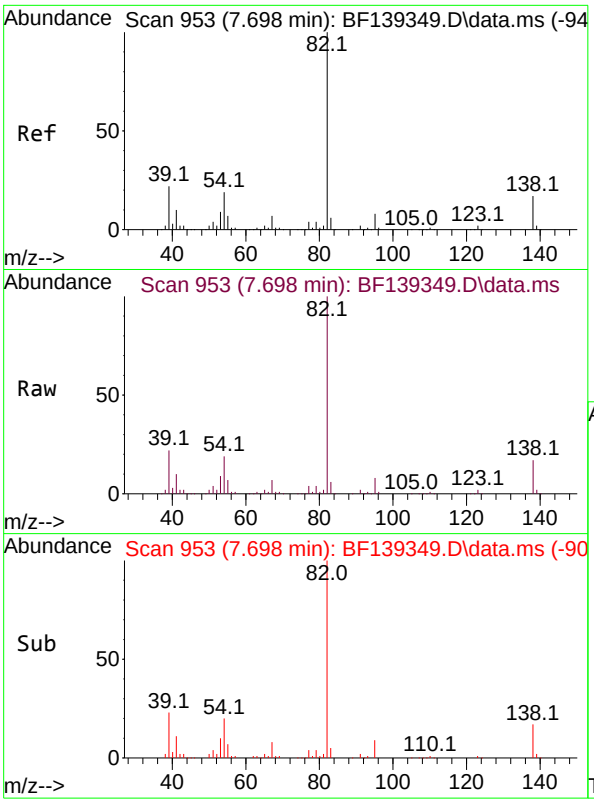



#24
Nitrobenzene
Concen: 44.406 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 77 Resp: 165350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 40.3 | 32.2 | 48.4 |
| 65 | 15.3 | 12.2 | 18.4 |

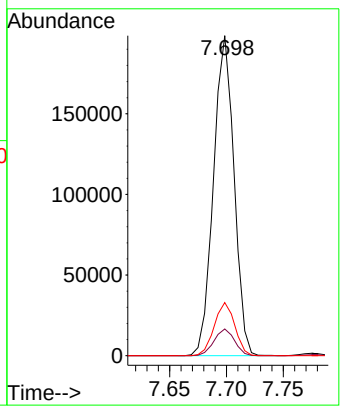





#25
Isophorone
Concen: 41.707 ng
RT: 7.698 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 82 Resp: 25015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.7 | 10.1 |
| 138 | 16.6 | 13.3 | 19.9 |




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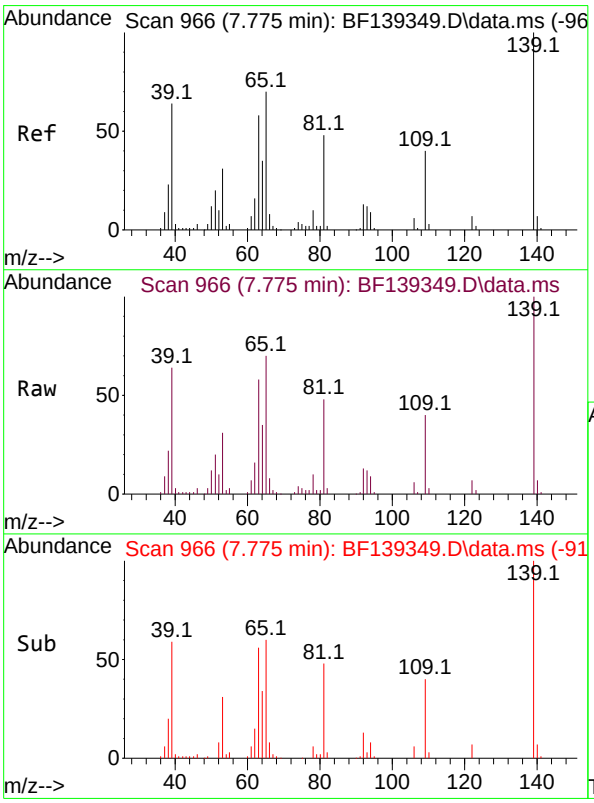
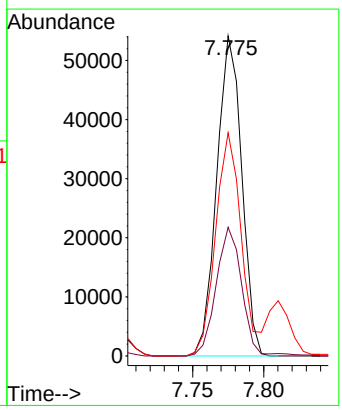
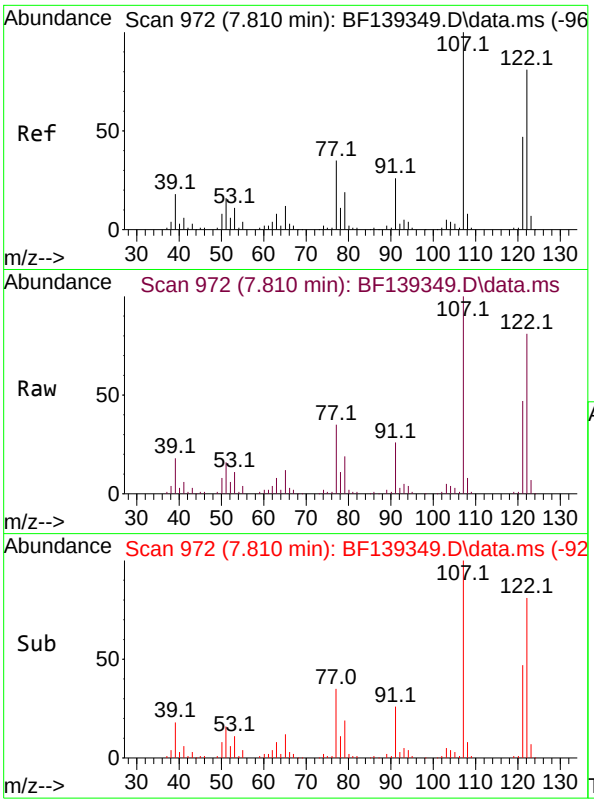



#26
2-Nitrophenol
Concen: 45.366 ng
RT: 7.775 min Scan# 966
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:139 Resp: 66347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 40.2 | 32.2 | 48.2 |
| 65 | 69.8 | 55.8 | 83.8 |

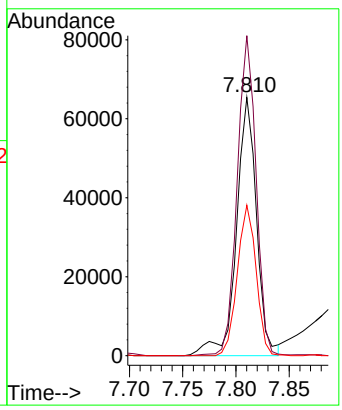





#27
2,4-Dimethylphenol
Concen: 41.208 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:122 Resp: 8595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 123.9 | 99.1 | 148.7 |
| 121 | 58.3 | 46.6 | 70.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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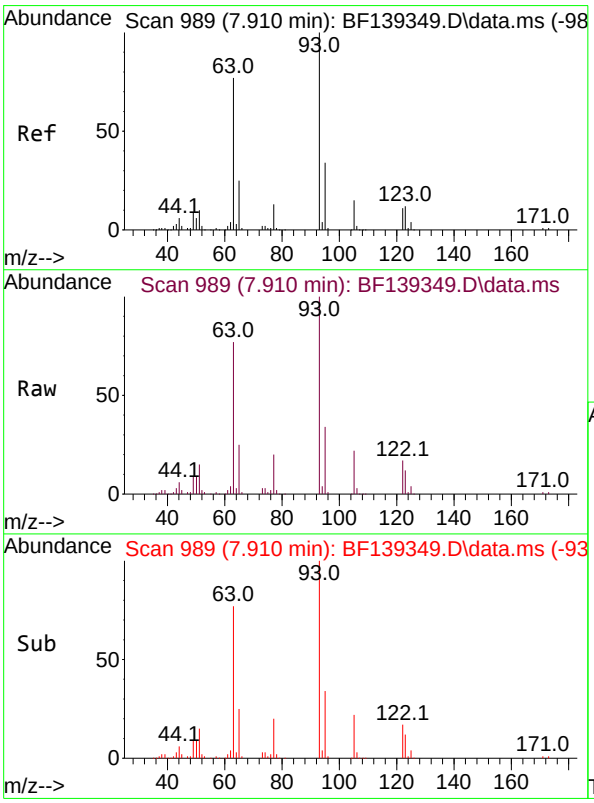
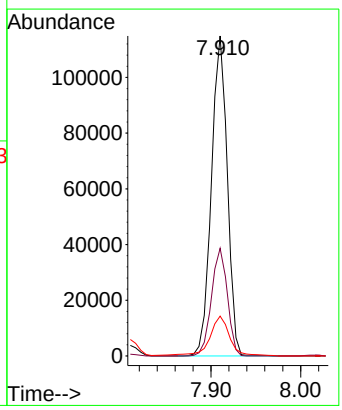
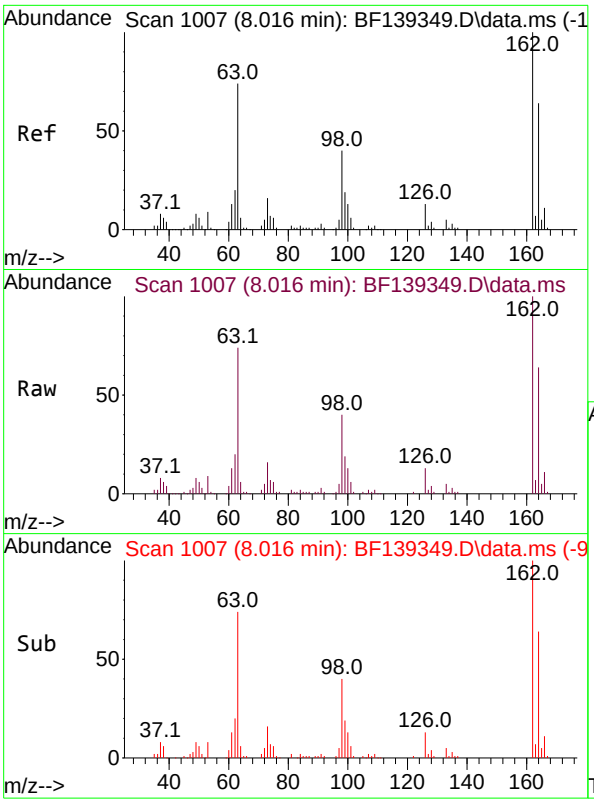



#28
bis(2-Chloroethoxy)methane
Concen: 39.520 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 93 Resp: 141226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.6 | 26.9 | 40.3 |
| 123 | 12.5 | 10.0 | 15.0 |

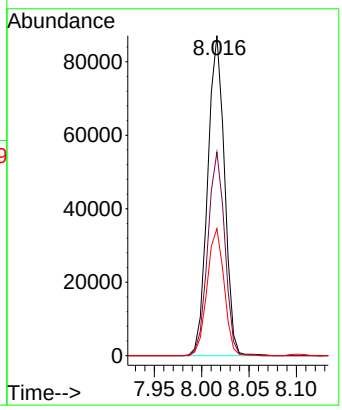





#29
2,4-Dichlorophenol
Concen: 43.097 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:162 Resp: 10762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 43.6 | 83.6 |
| 98 | 39.7 | 19.7 | 59.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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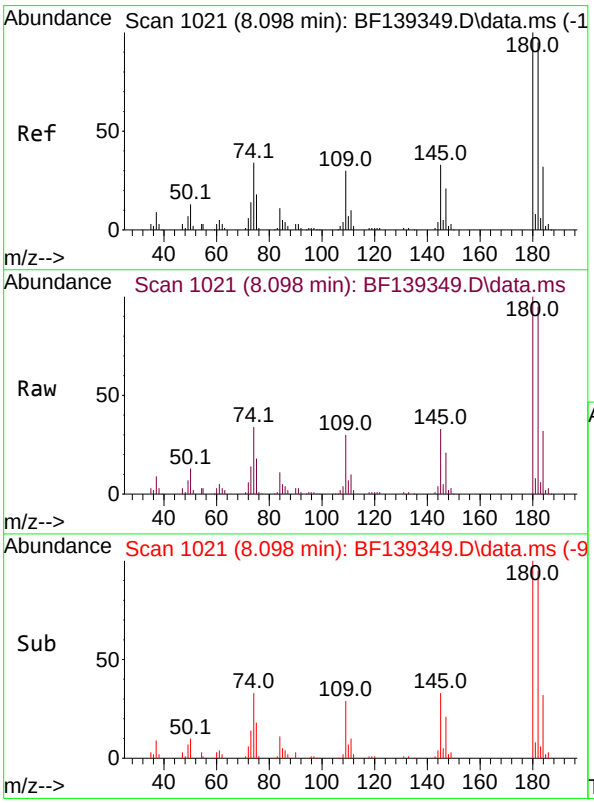
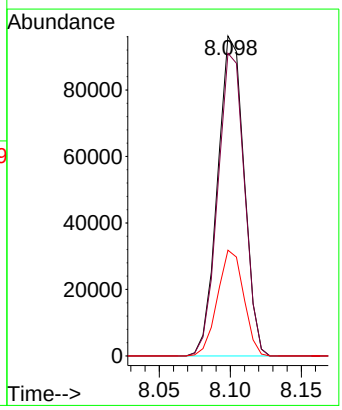
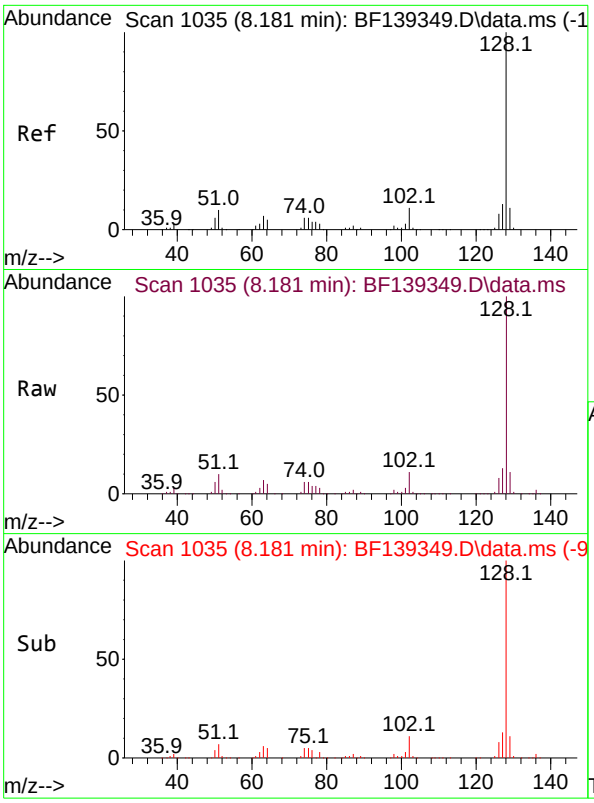



#30
1,2,4-Trichlorobenzene
Concen: 43.628 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:180 Resp: 124438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 75.7 | 113.5 |
| 145 | 33.1 | 26.5 | 39.7 |






#31
Naphthalene
Concen: 42.255 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:128 Resp: 39054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.6 | 13.0 |
| 127 | 13.3 | 10.6 | 16.0 |

**Instrument :**
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**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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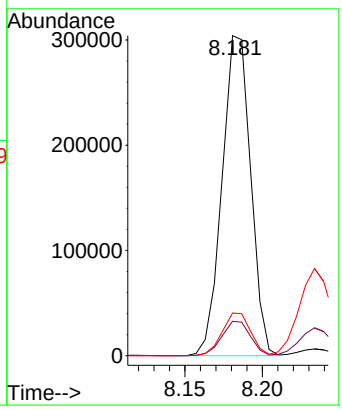
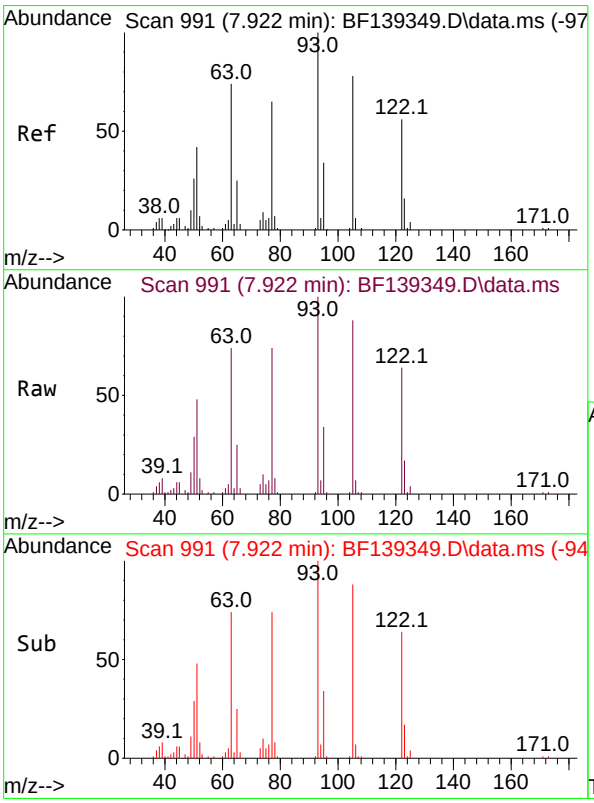
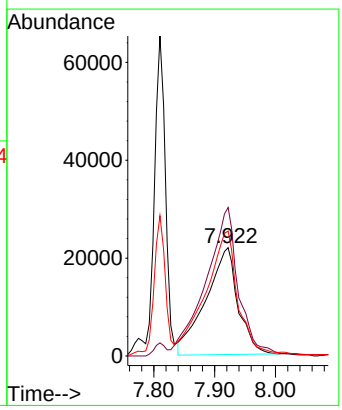


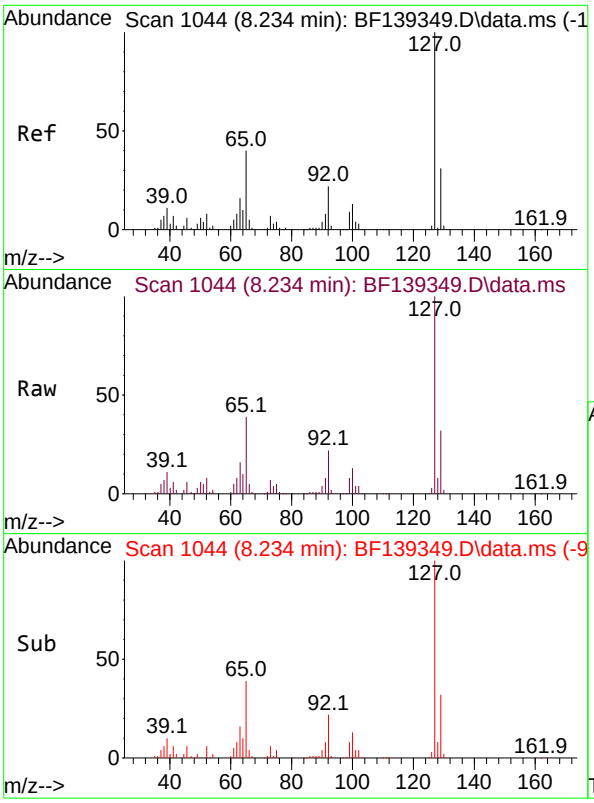




#32
Benzoic acid
Concen: 42.284 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:122 Resp: 80333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 137.1 | 117.1 | 157.1 |
| 77 | 115.4 | 95.4 | 135.4 |

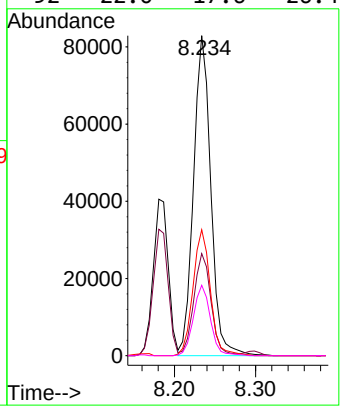





#33
4-Chloroaniline
Concen: 38.476 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:127 Resp: 12313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 39.4 | 31.5 | 47.3 |
| 92 | 22.0 | 17.6 | 26.4 |




**Instrument :**
BNA_F
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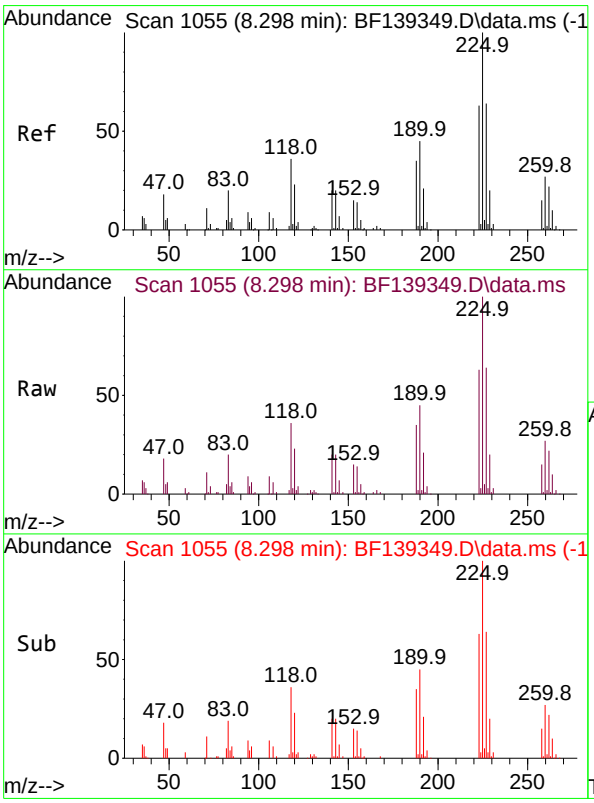
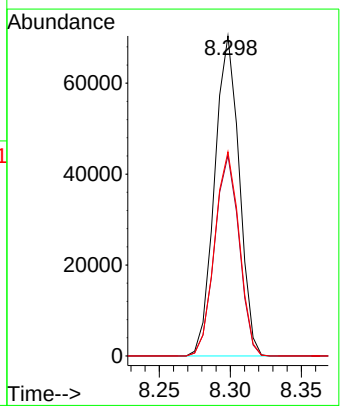
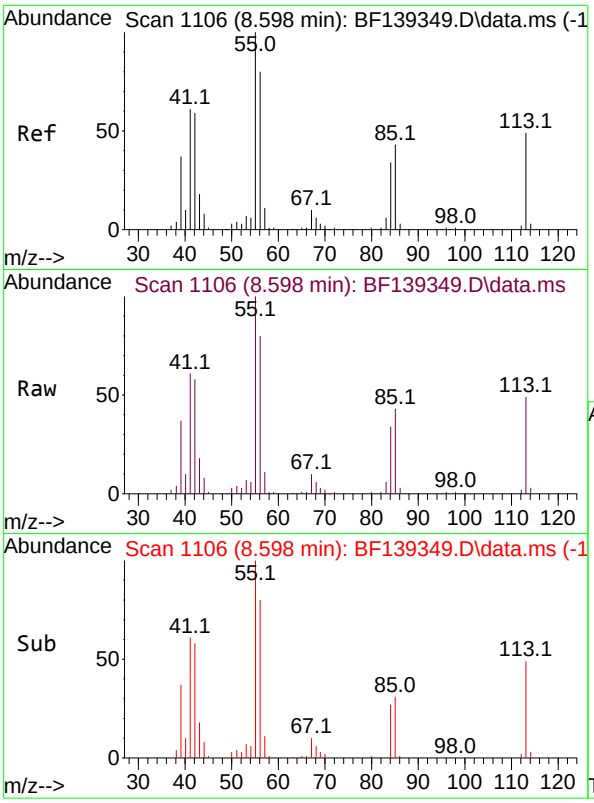



#34
Hexachlorobutadiene
Concen: 46.820 ng
RT: 8.298 min Scan# 1055
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:225 Resp: 84620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.1 | 75.1 |
| 227 | 63.8 | 51.0 | 76.6 |






#35
Caprolactam
Concen: 44.115 ng
RT: 8.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:113 Resp: 3410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 206.1 | 186.1 | 226.1 |
| 56 | 164.9 | 144.9 | 184.9 |

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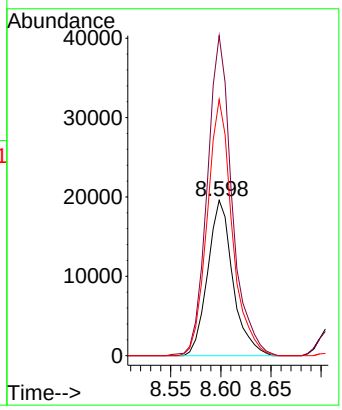
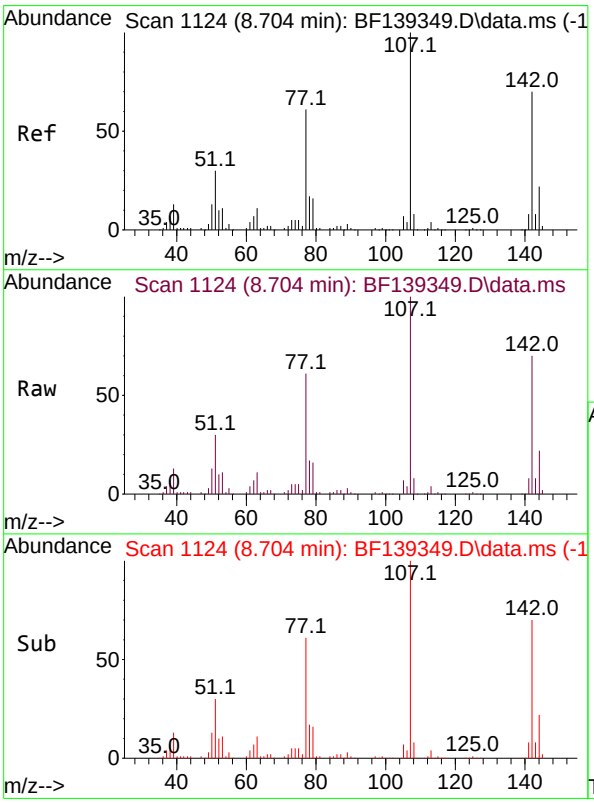
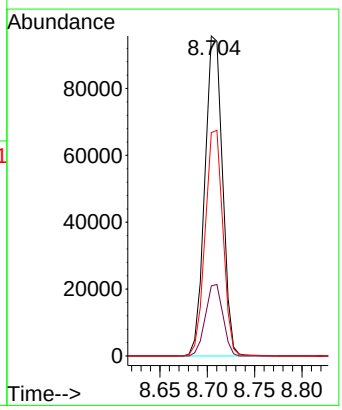


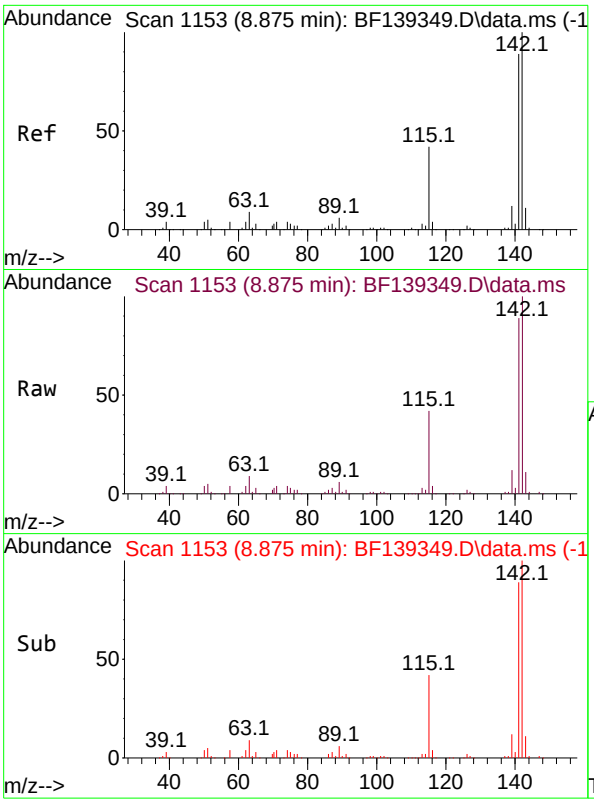




#36
4-Chloro-3-methylphenol
Concen: 45.688 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:107 Resp: 124337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 21.9 | 17.5 | 26.3 |
| 142 | 69.8 | 55.8 | 83.8 |






#37
2-Methylnaphthalene
Concen: 42.953 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:142 Resp: 24838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 71.6 | 107.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
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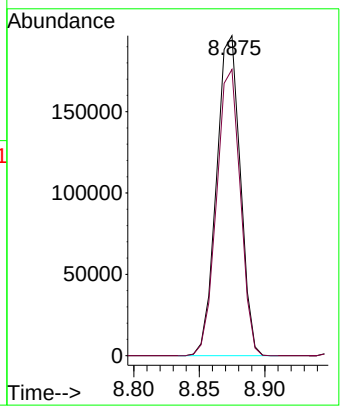
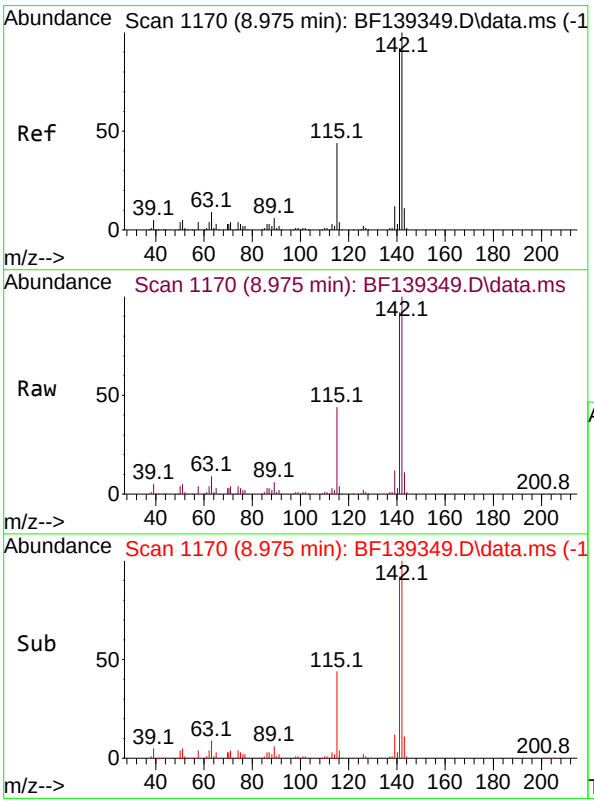
Supervised By :mohammad ahmed 09/16/2024

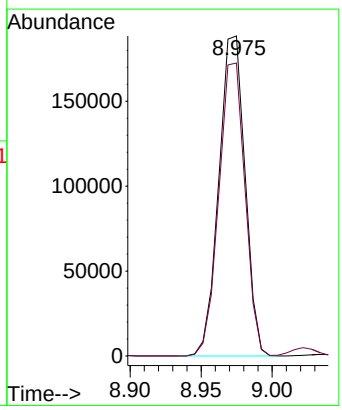


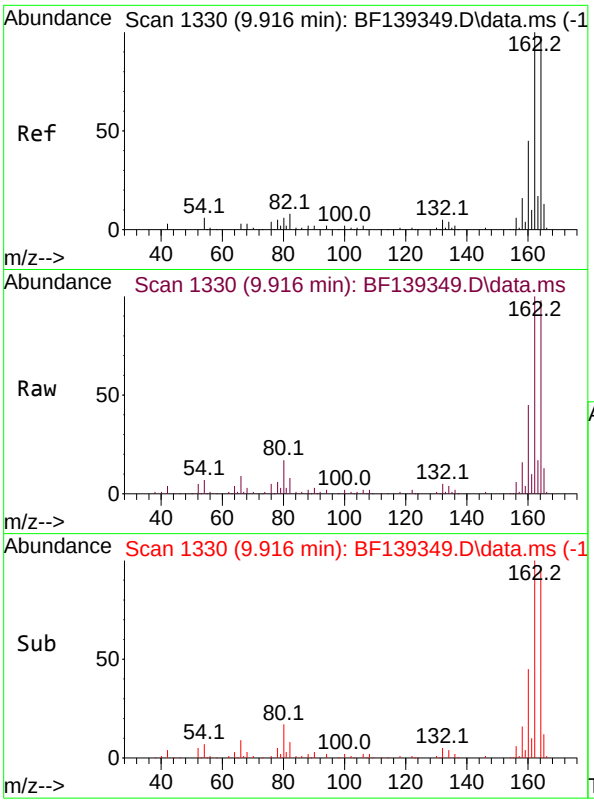




#38
1-Methylnaphthalene
Concen: 42.469 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:142 Resp: 241525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.2 | 109.8 |

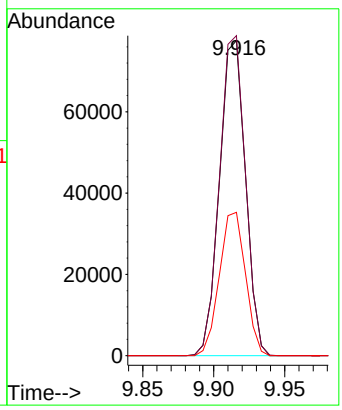





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:164 Resp: 9870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.3 | 121.9 |
| 160 | 45.5 | 36.4 | 54.6 |




**Instrument :**
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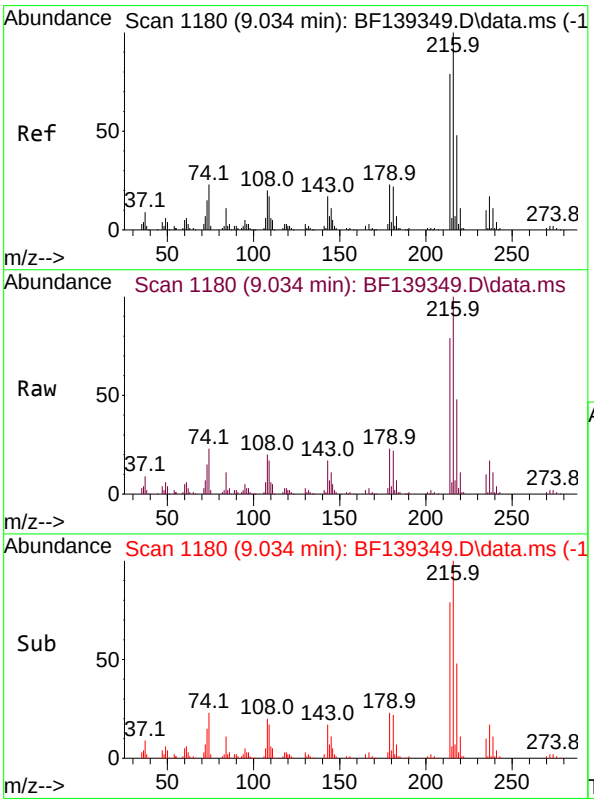
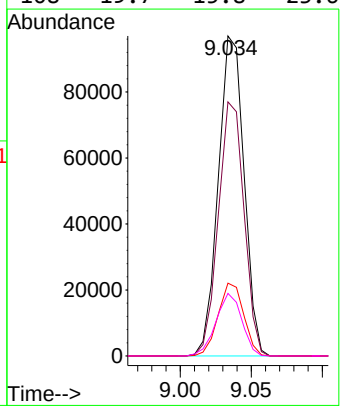
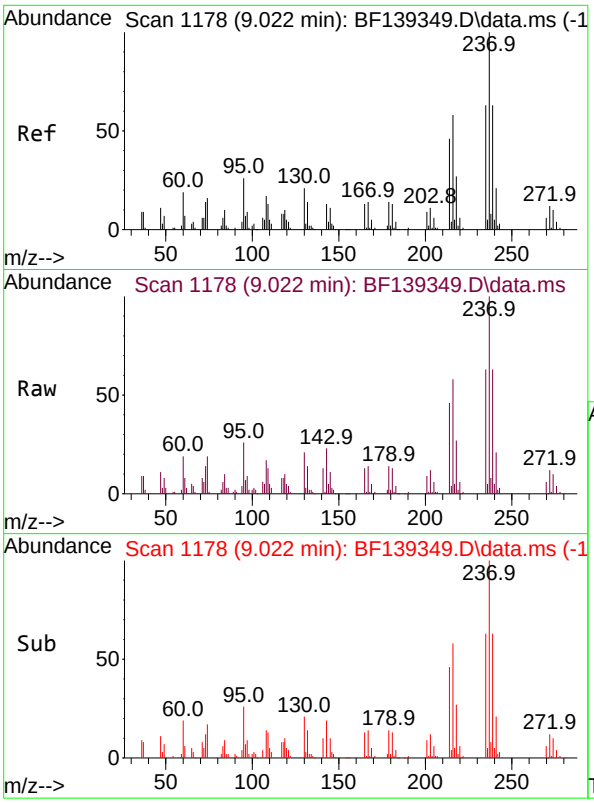



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.724 ng
RT: 9.034 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:216 Resp: 122103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.4 | 95.0 |
| 179 | 22.7 | 18.2 | 27.2 |
| 108 | 19.7 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 50.294 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:237 Resp: 4513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 42.7 | 82.7 |
| 272 | 12.5 | 0.0 | 32.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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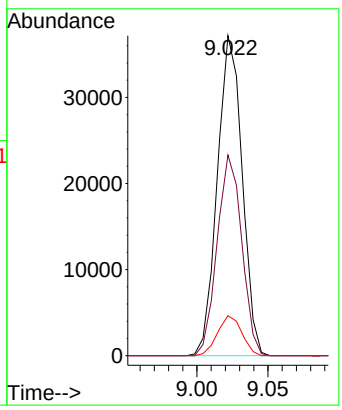
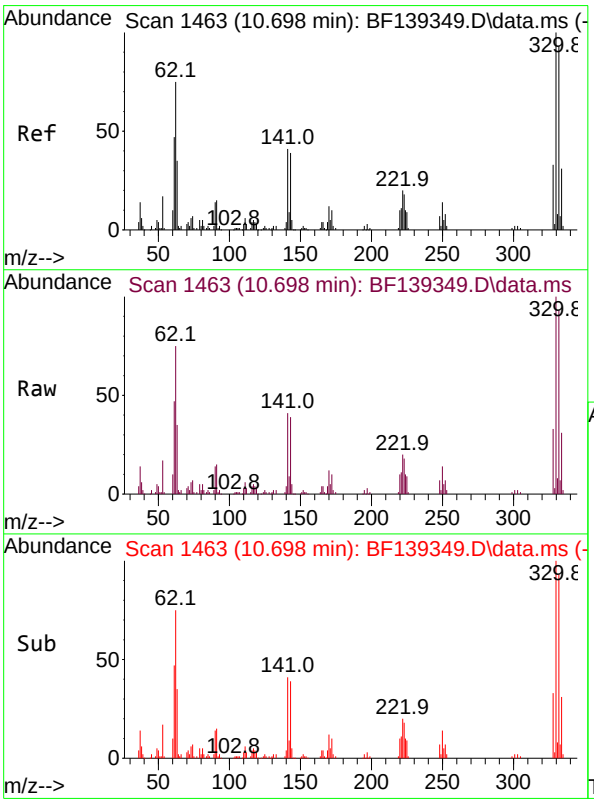
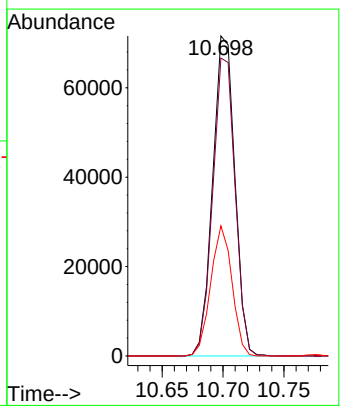


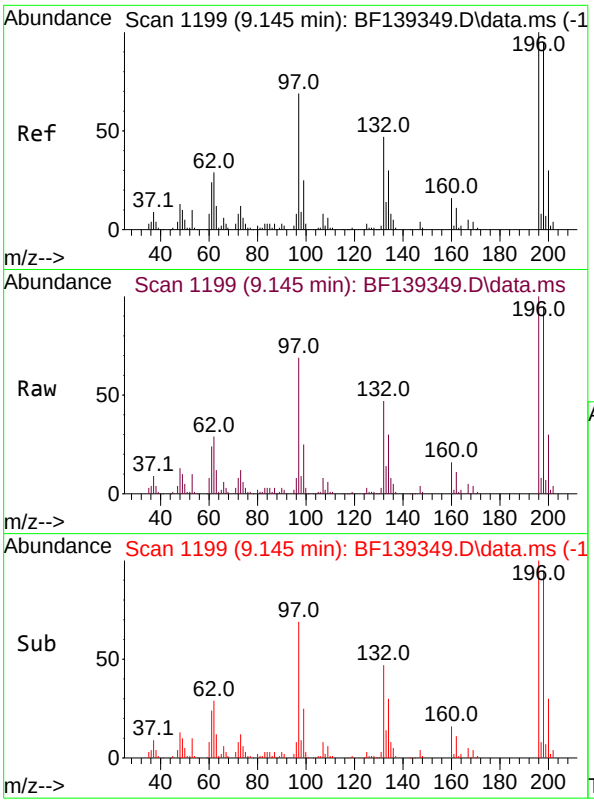




#42
2,4,6-Tribromophenol
Concen: 106.232 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:330 Resp: 90543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.0 | 75.2 | 112.8 |
| 141 | 39.0 | 31.2 | 46.8 |

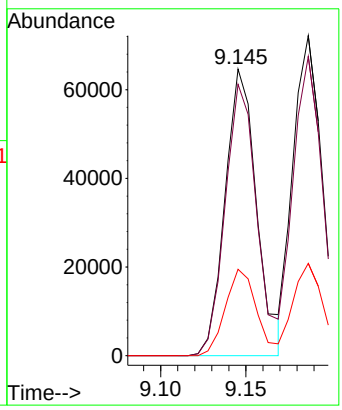





#43
2,4,6-Trichlorophenol
Concen: 45.538 ng
RT: 9.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:196 Resp: 8320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.7 | 75.8 | 113.6 |
| 200 | 30.1 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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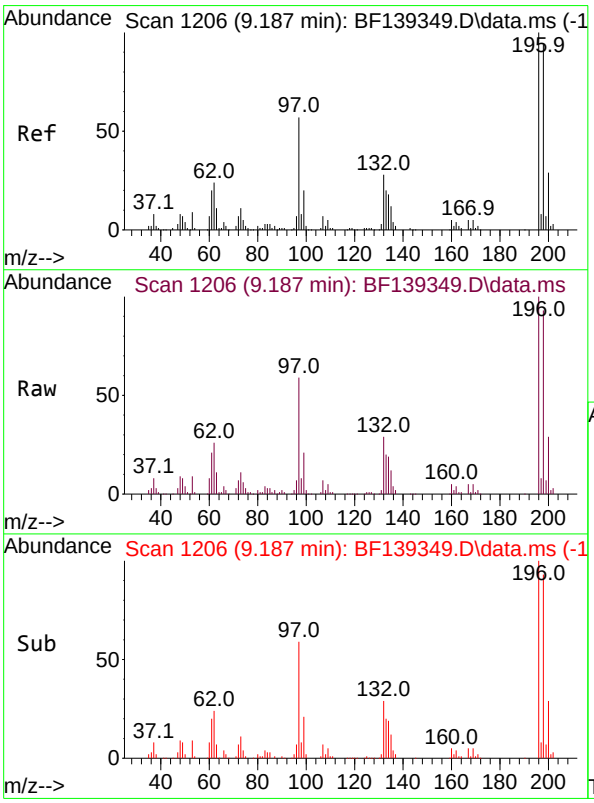
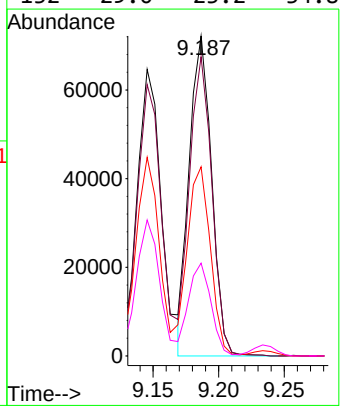
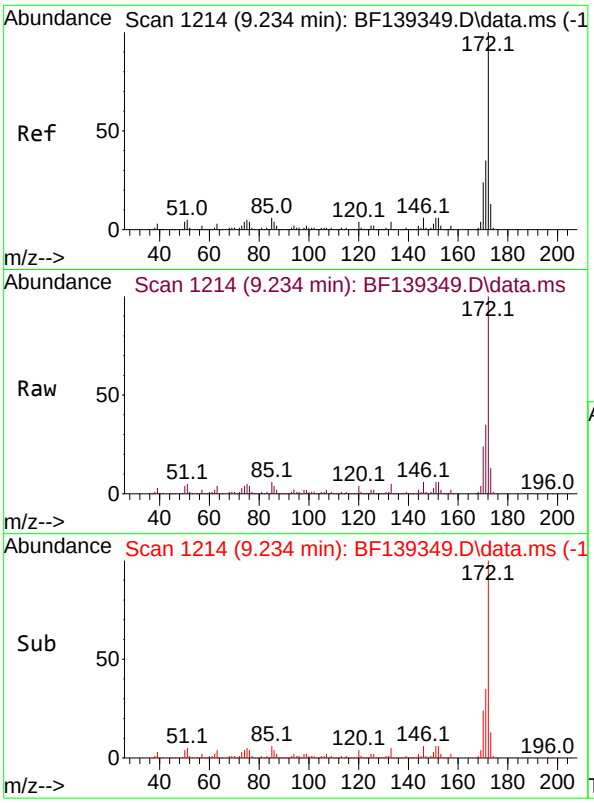



#44
2,4,5-Trichlorophenol
Concen: 44.767 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:196 Resp: 85716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.5 | 74.8 | 112.2 |
| 97 | 59.1 | 47.3 | 70.9 |
| 132 | 29.0 | 23.2 | 34.8 |

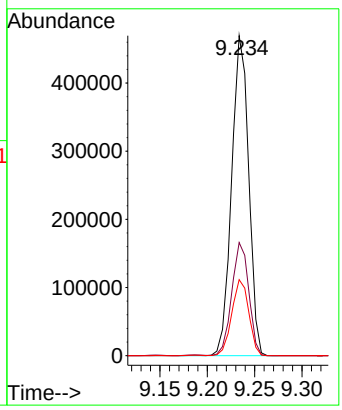





#45
2-Fluorobiphenyl
Concen: 92.034 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:172 Resp: 58847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.8 | 19.0 | 28.6 |




**Instrument :**
BNA_F
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SSTDICCC040

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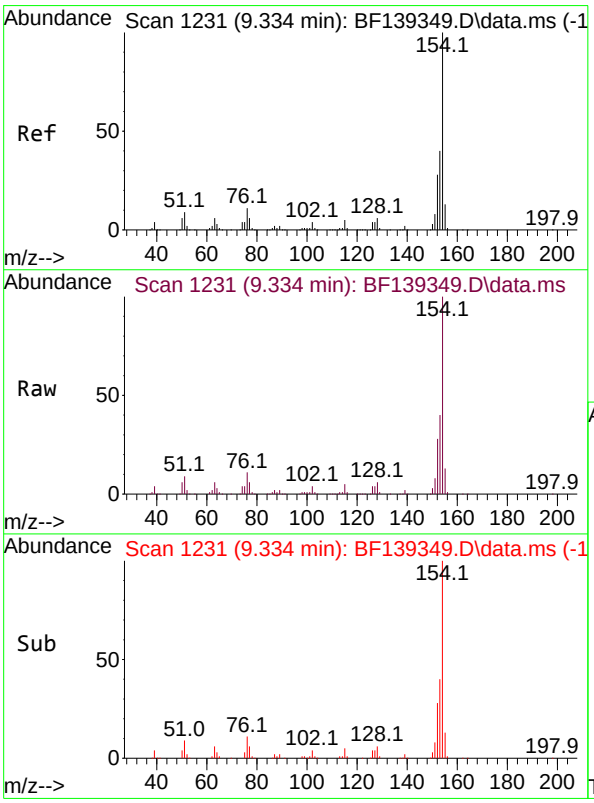
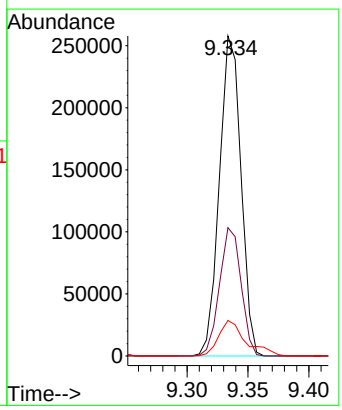
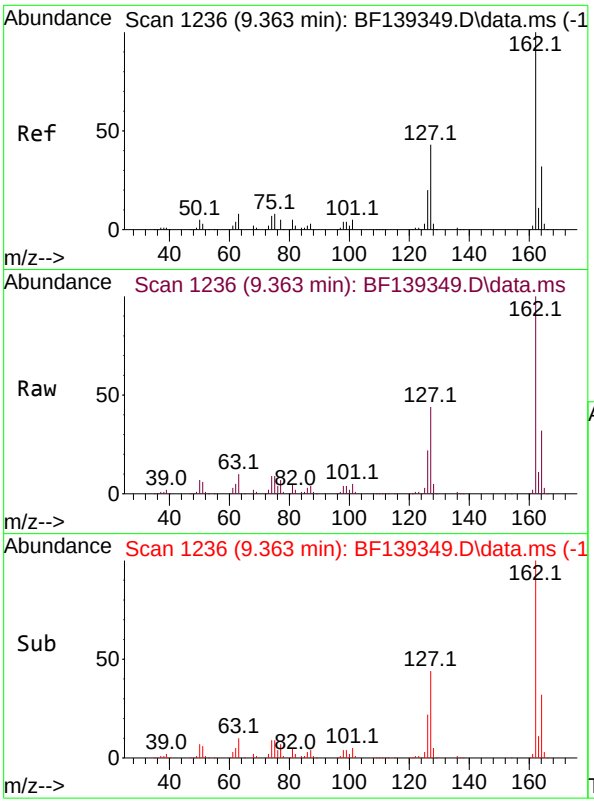



#46
1,1'-Biphenyl
Concen: 43.531 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:154 Resp: 318340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.1 | 60.1 |
| 76 | 11.1 | 0.0 | 31.1 |

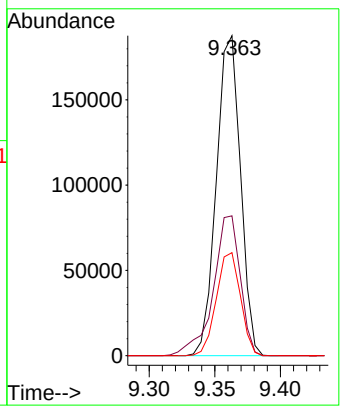





#47
2-Chloronaphthalene
Concen: 43.438 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:162 Resp: 23985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.7 | 35.0 | 52.4 |
| 164 | 32.2 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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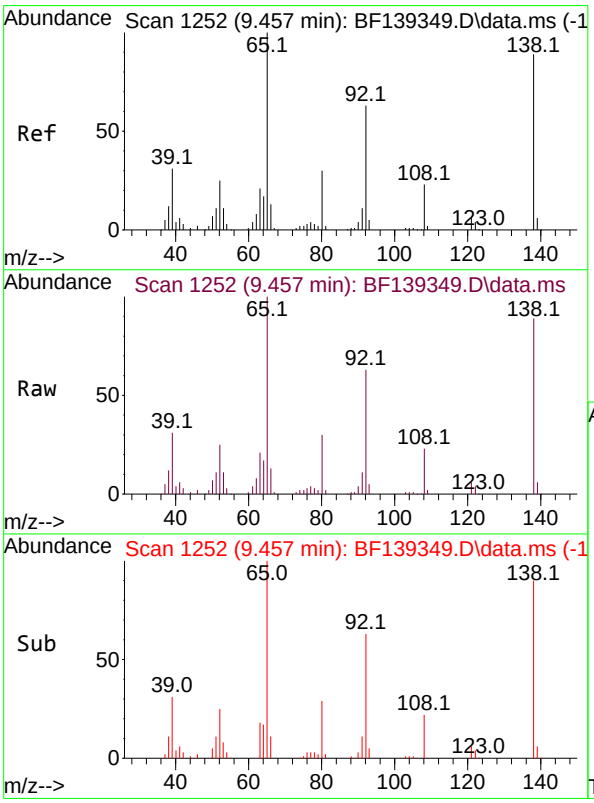
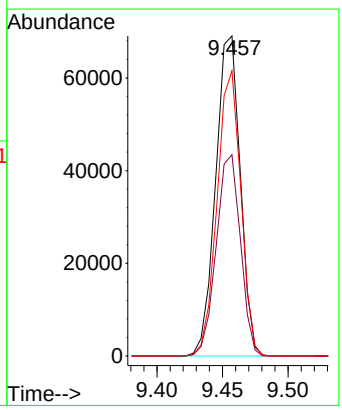
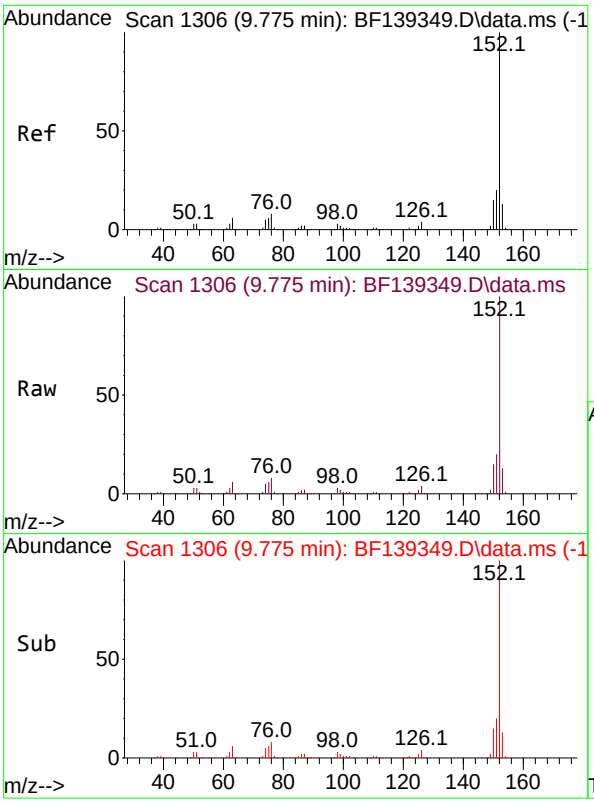



#48
2-Nitroaniline
Concen: 47.281 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion: 65 Resp: 89926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 62.9 | 50.3 | 75.5 |
| 138 | 89.1 | 71.3 | 106.9 |

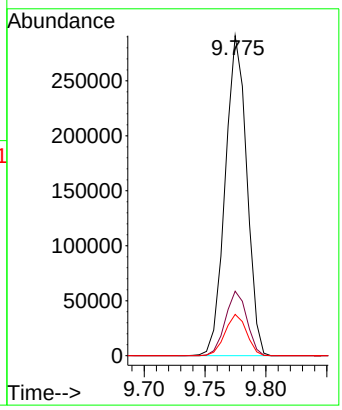





#49
Acenaphthylene
Concen: 43.067 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:152 Resp: 35818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.2 | 24.2 |
| 153 | 12.9 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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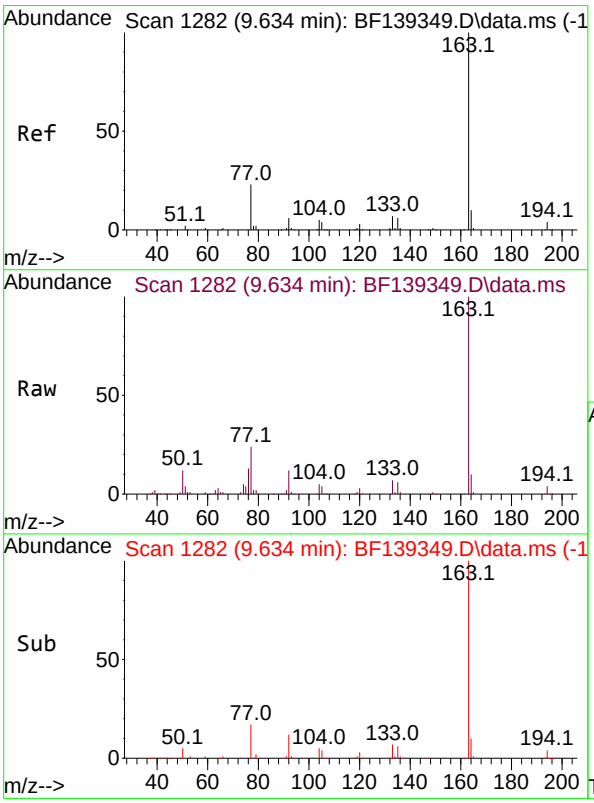
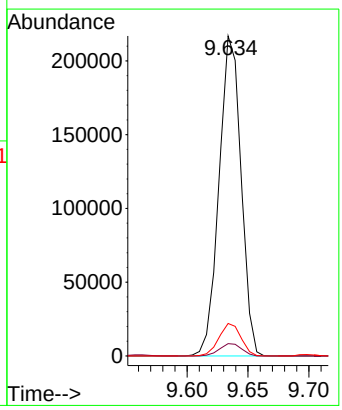
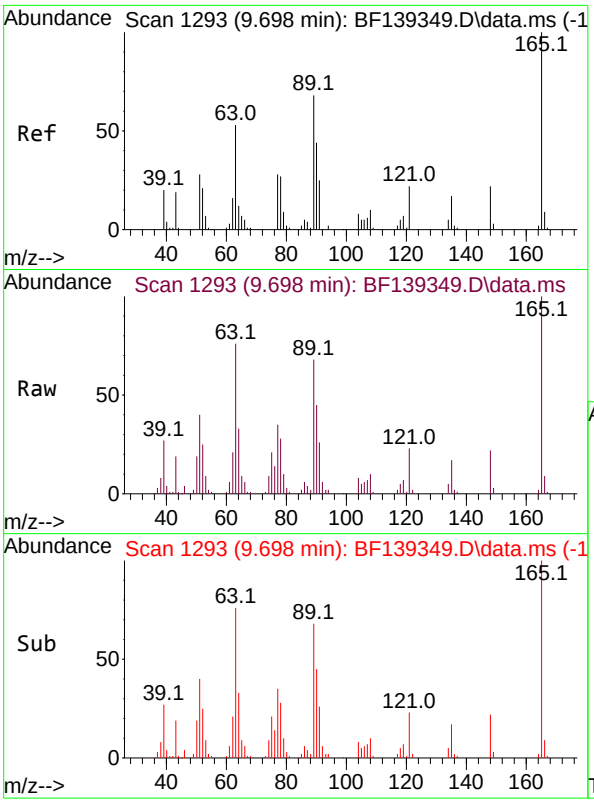



#50
Dimethylphthalate
Concen: 45.599 ng
RT: 9.634 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:163 Resp: 272789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.2 | 8.2 | 12.2 |

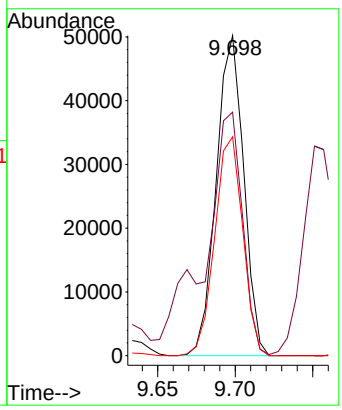





#51
2,6-Dinitrotoluene
Concen: 45.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:165 Resp: 6172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 76.1 | 60.9 | 91.3 |
| 89 | 68.4 | 54.7 | 82.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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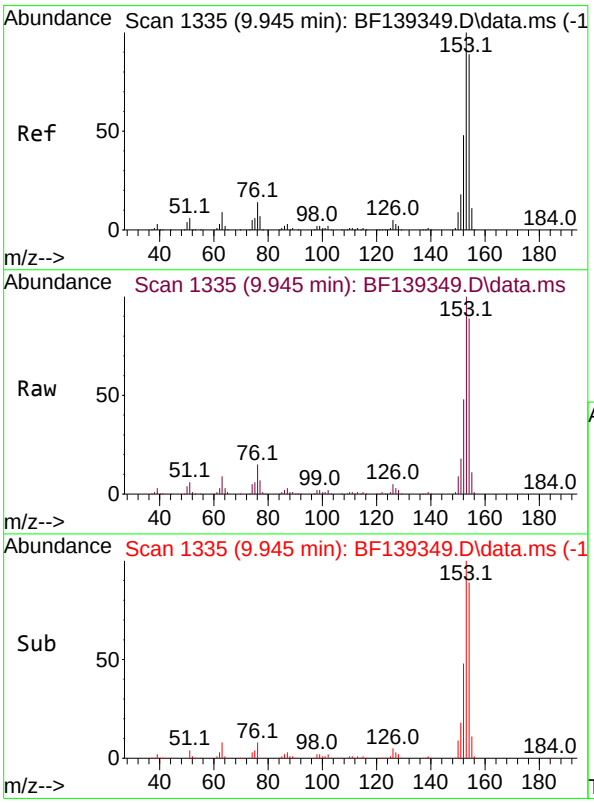
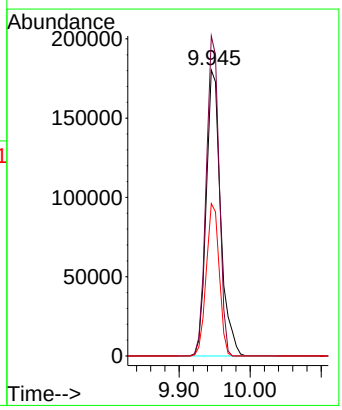
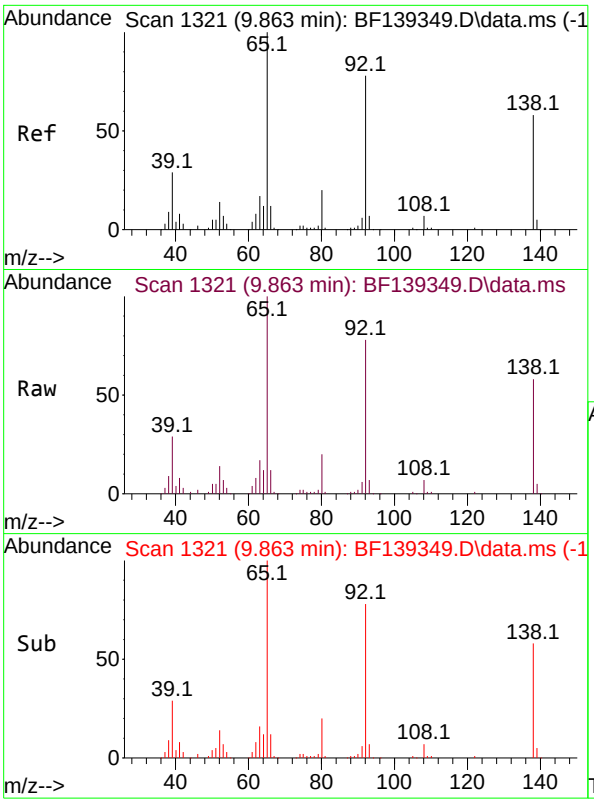



#52
Acenaphthene
Concen: 46.146 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:154 Resp: 254549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 89.5 | 134.3 |
| 152 | 53.3 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 43.492 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:138 Resp: 6288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.3 | 9.8 | 14.8 |
| 92 | 134.3 | 107.4 | 161.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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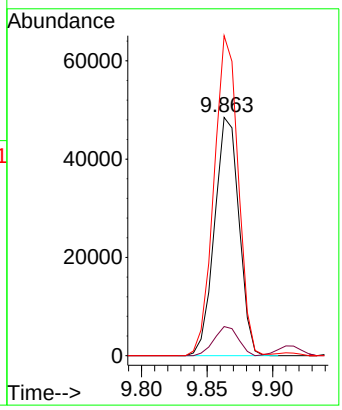
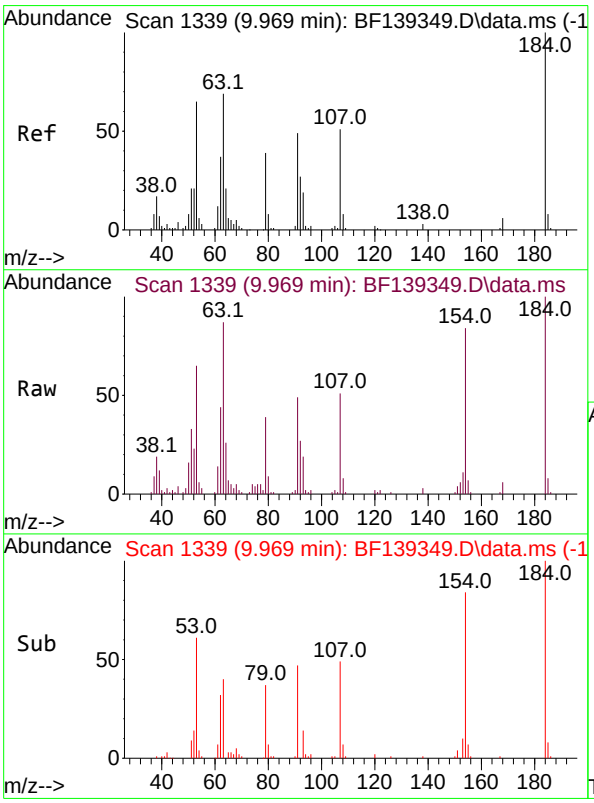
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

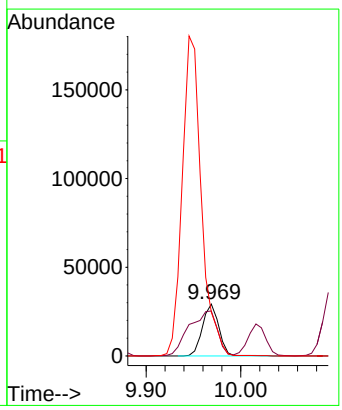


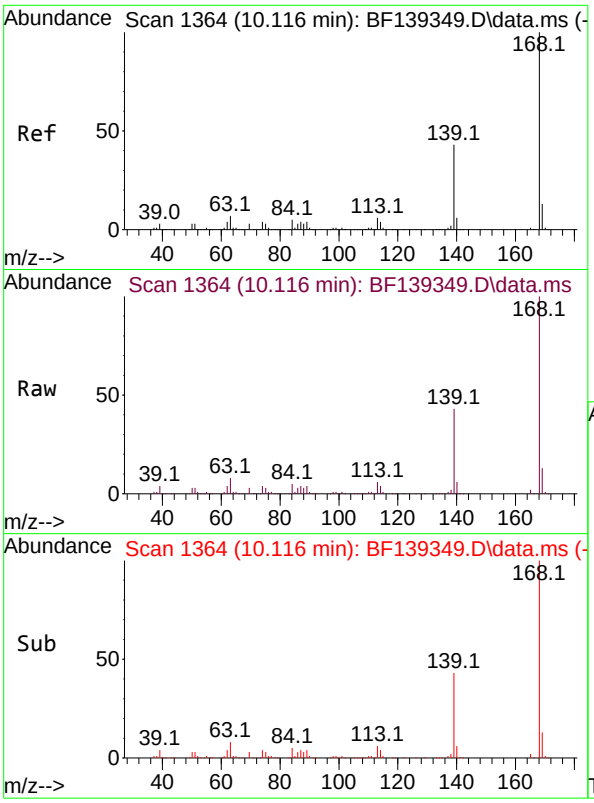




#54
2,4-Dinitrophenol
Concen: 60.625 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:184 Resp: 35233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 86.6 | 69.3 | 103.9 |
| 154 | 84.4 | 67.5 | 101.3 |

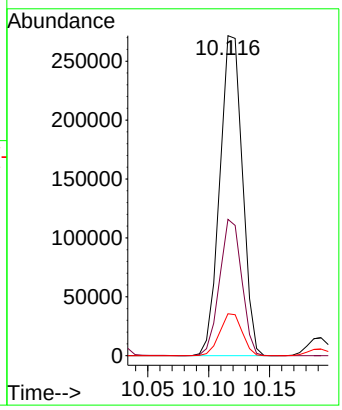





#55
Dibenzofuran
Concen: 44.435 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:168 Resp: 35141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.6 | 34.1 | 51.1 |
| 169 | 13.1 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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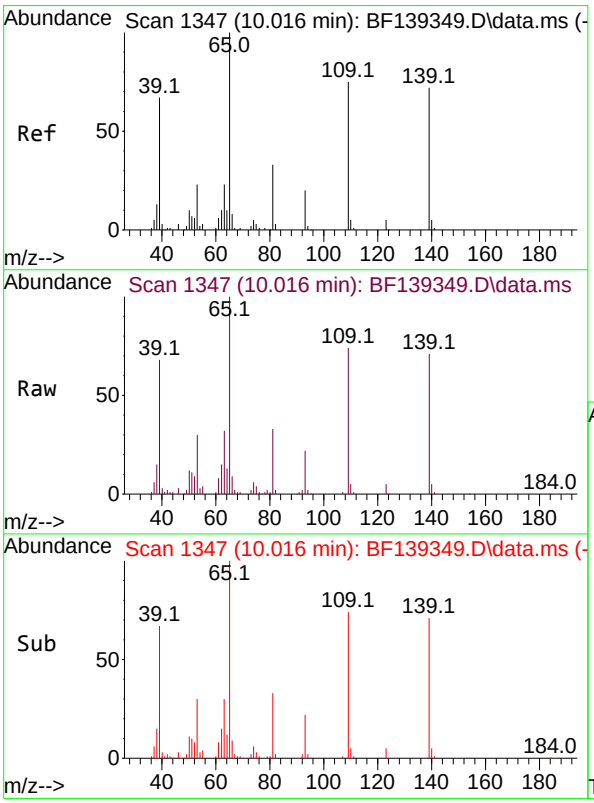
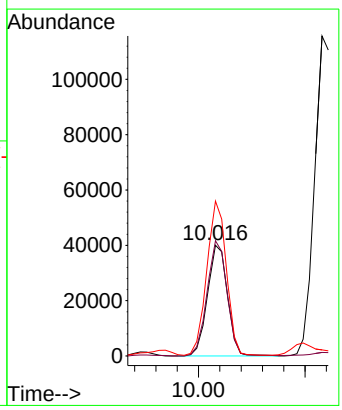
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

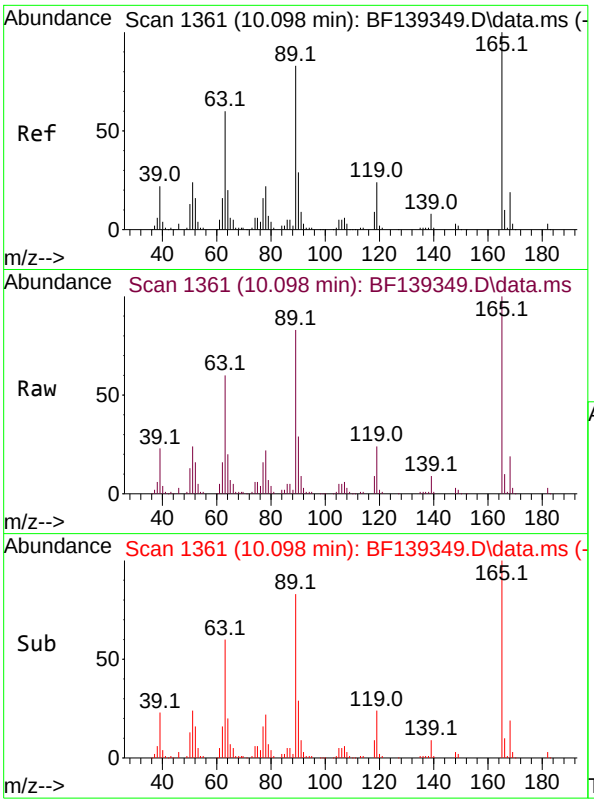



#56
4-Nitrophenol
Concen: 48.904 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:139 Resp: 52194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 104.1 | 84.1 | 124.1 |
| 65 | 140.0 | 120.0 | 160.0 |

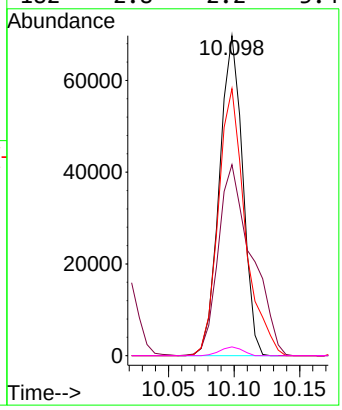





#57
2,4-Dinitrotoluene
Concen: 49.629 ng
RT: 10.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:165 Resp: 8573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.7 | 47.8 | 71.6 |
| 89 | 83.4 | 66.7 | 100.1 |
| 182 | 2.8 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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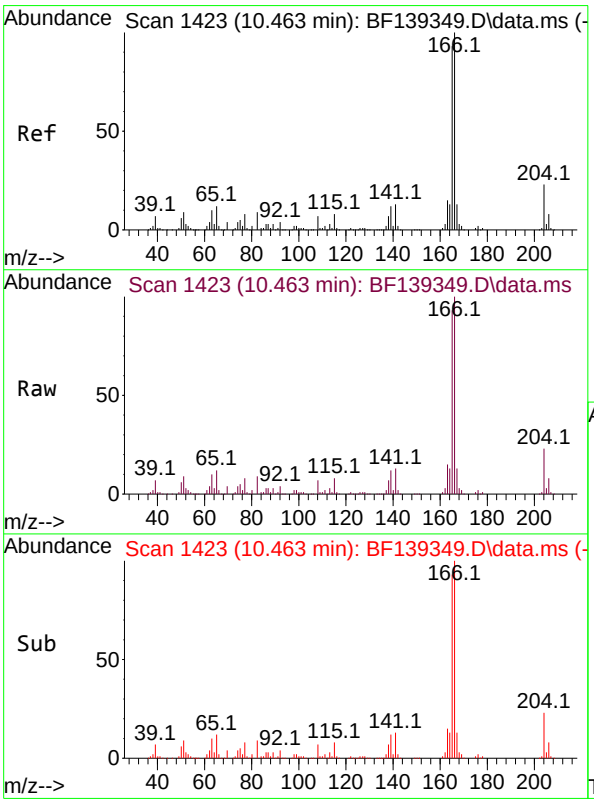
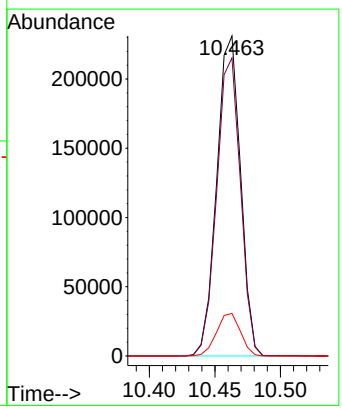
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

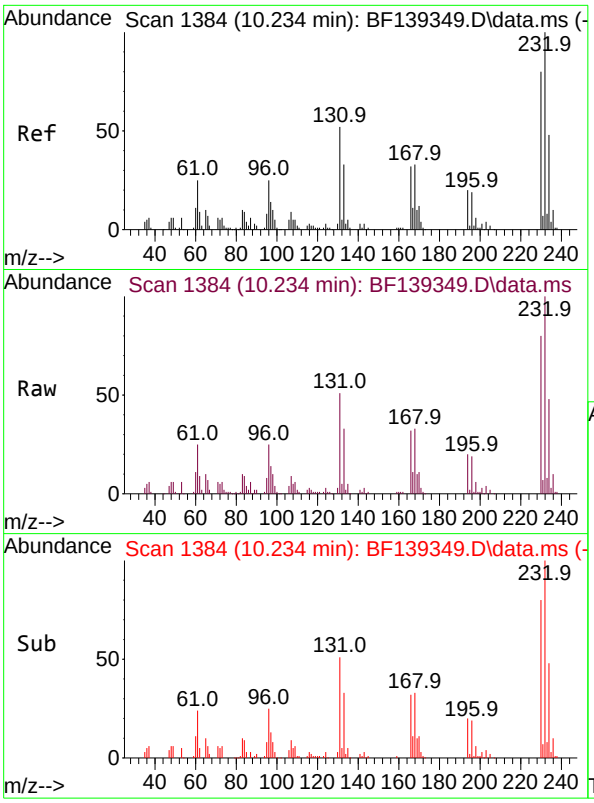



#58
Fluorene
Concen: 47.395 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:166 Resp: 290609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.1 | 74.5 | 111.7 |
| 167 | 13.3 | 10.6 | 16.0 |

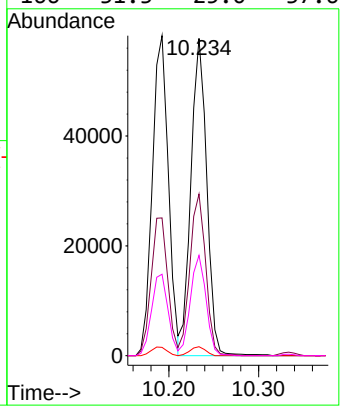





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.051 ng
RT: 10.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:232 Resp: 7091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.9 | 40.7 | 61.1 |
| 130 | 2.7 | 2.2 | 3.2 |
| 166 | 31.3 | 25.0 | 37.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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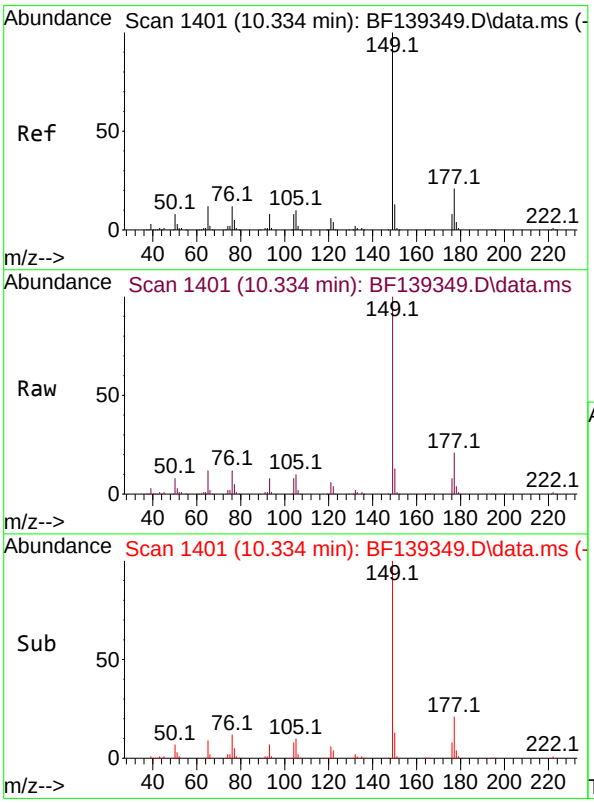
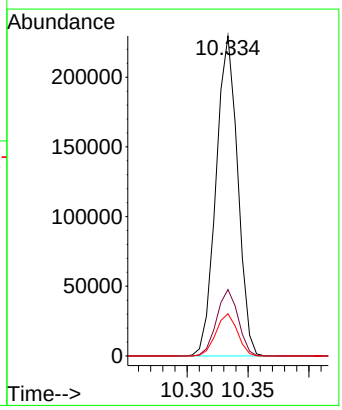
Supervised By :mohammad ahmed 09/16/2024

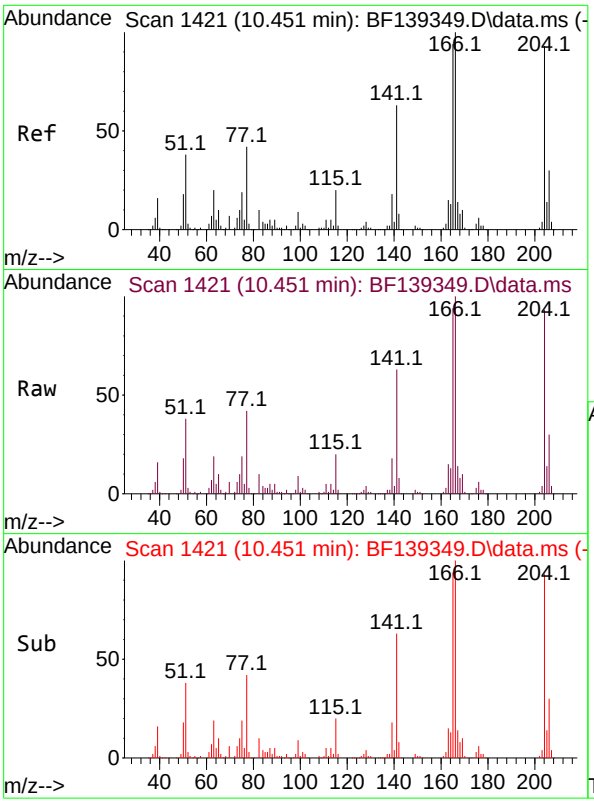



#60
Diethylphthalate
Concen: 48.283 ng
RT: 10.334 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:149 Resp: 284254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.7 | 16.6 | 24.8 |
| 150 | 13.2 | 10.6 | 15.8 |

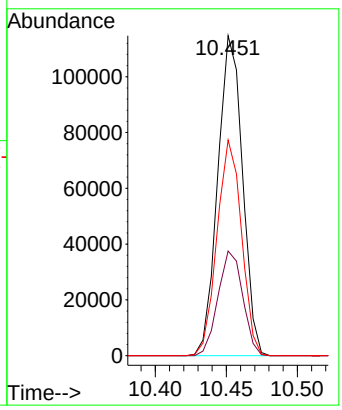





#61
4-Chlorophenyl-phenylether
Concen: 47.037 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:204 Resp: 13908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.2 | 39.2 |
| 141 | 67.4 | 53.9 | 80.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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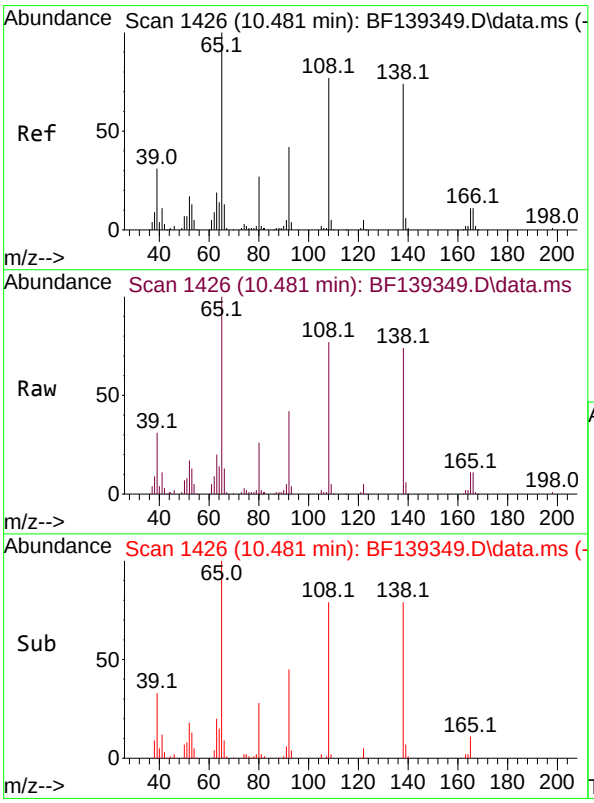
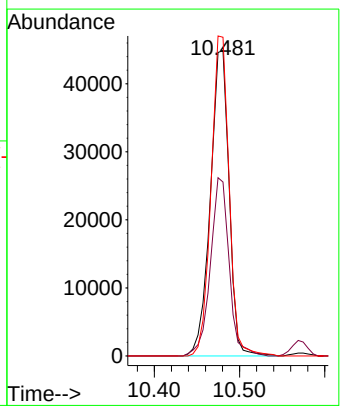
Supervised By :mohammad ahmed 09/16/2024

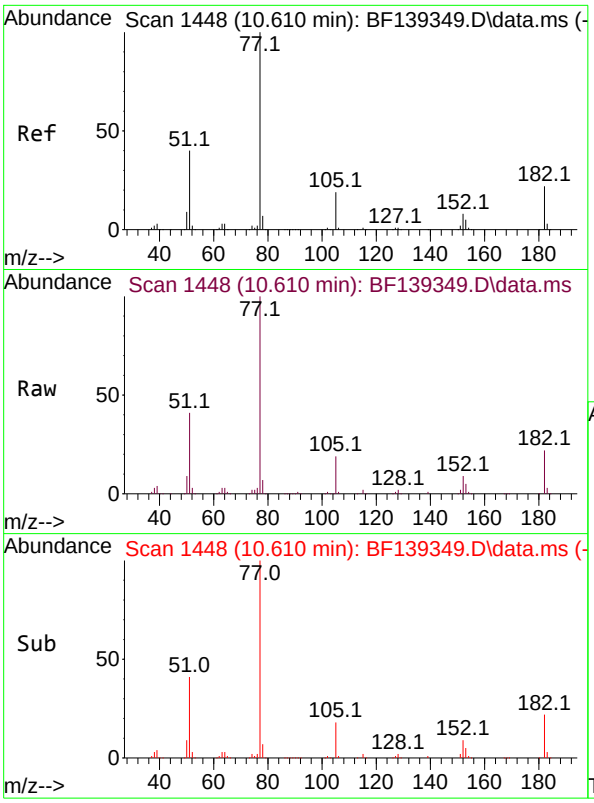



#62
4-Nitroaniline
Concen: 49.885 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:138 Resp: 68663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 57.0 | 37.0 | 77.0 |
| 108 | 104.4 | 84.4 | 124.4 |






#63
Azobenzene
Concen: 45.262 ng
RT: 10.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 28084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 21.8 | 1.8 | 41.8 |
| 105 | 18.6 | 0.0 | 38.6 |
| 51 | 41.4 | 21.4 | 61.4 |

**Manual Integrations**
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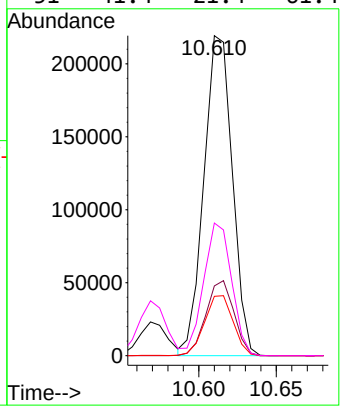
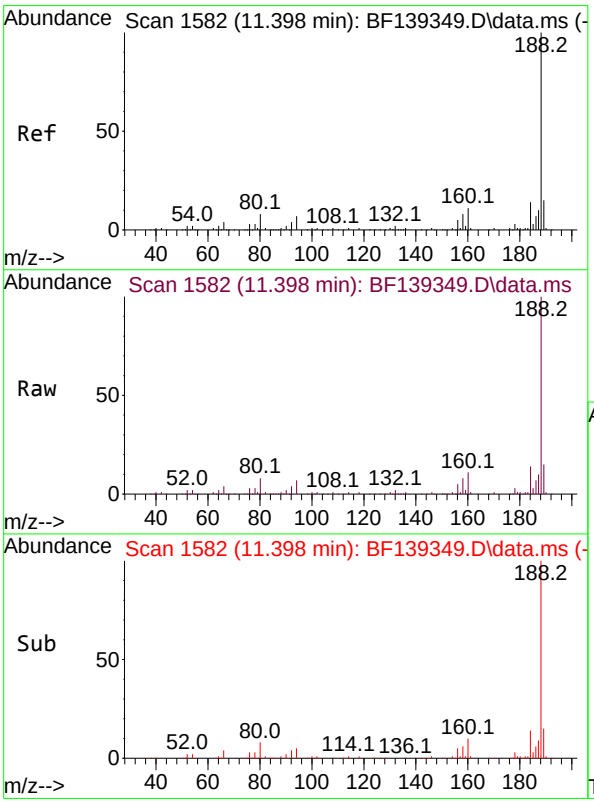
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

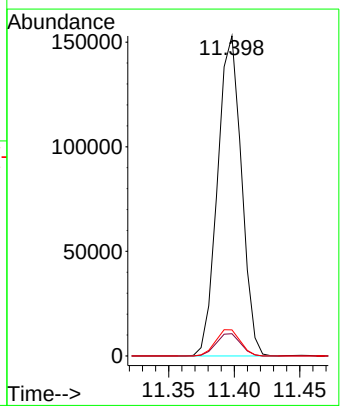


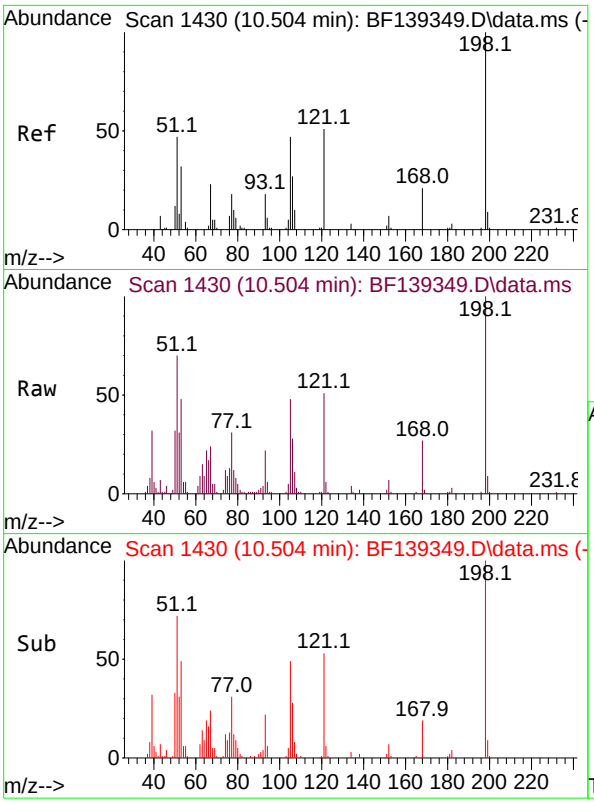




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:188 Resp: 194097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.9 | 5.5 | 8.3 |
| 80 | 8.2 | 6.6 | 9.8 |






#65
4,6-Dinitro-2-methylphenol
Concen: 50.489 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:198 Resp: 4528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 70.4 | 50.4 | 90.4 |
| 105 | 48.3 | 28.3 | 68.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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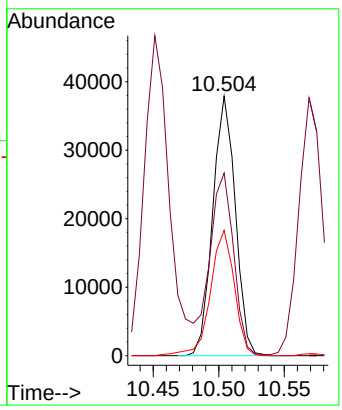
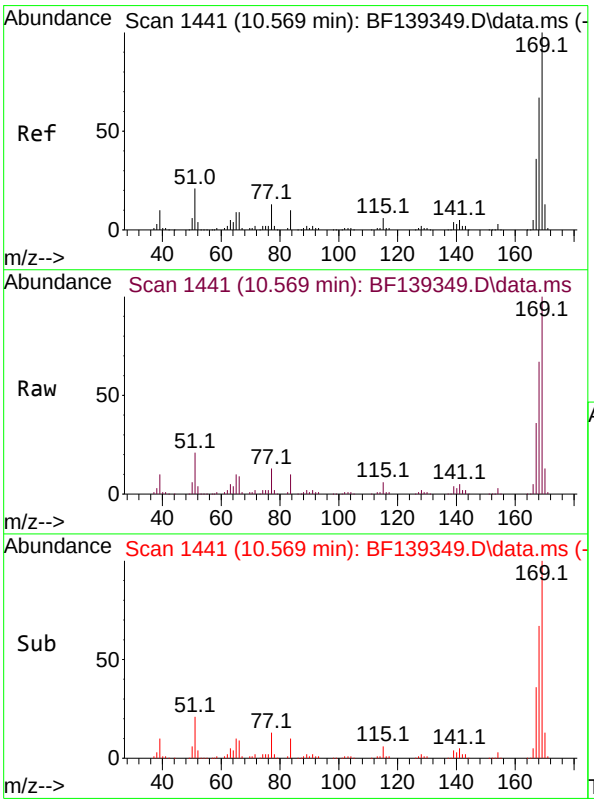
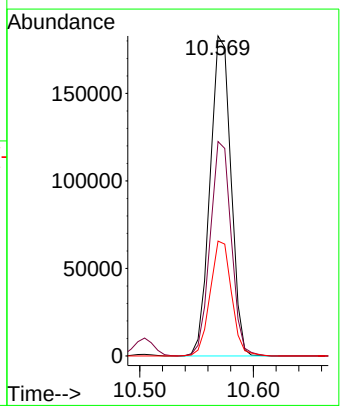


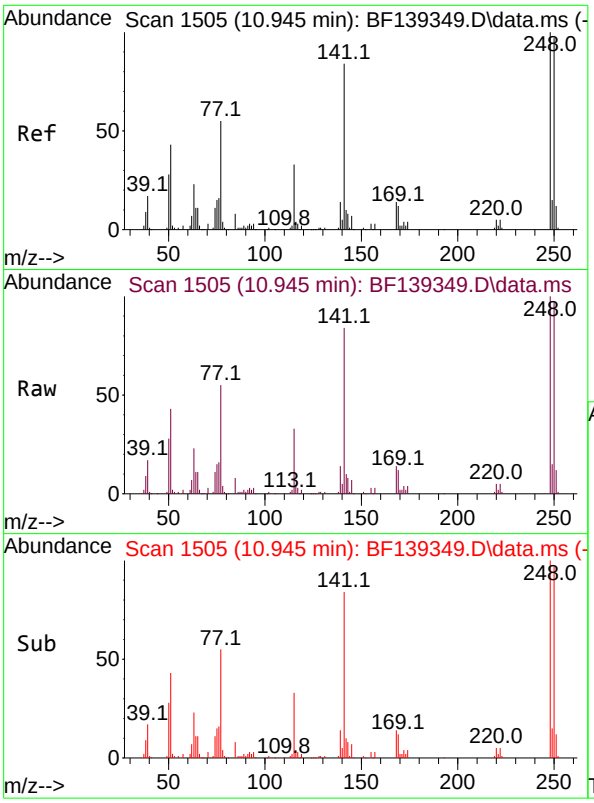




#66
n-Nitrosodiphenylamine
Concen: 41.289 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:169 Resp: 233278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.0 | 53.6 | 80.4 |
| 167 | 35.9 | 28.7 | 43.1 |






#67
4-Bromophenyl-phenylether
Concen: 42.574 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:248 Resp: 8017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.6 | 116.4 |
| 141 | 83.6 | 66.9 | 100.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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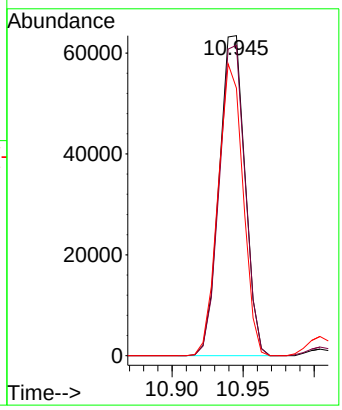
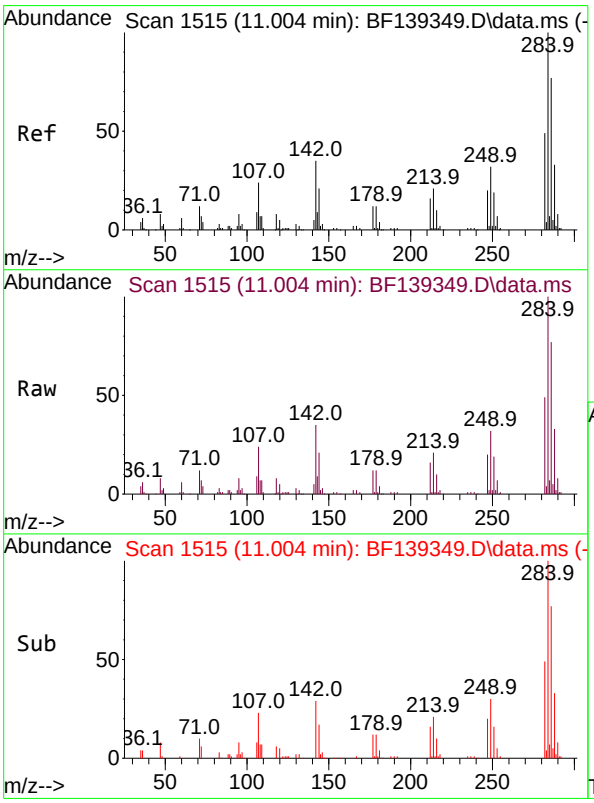
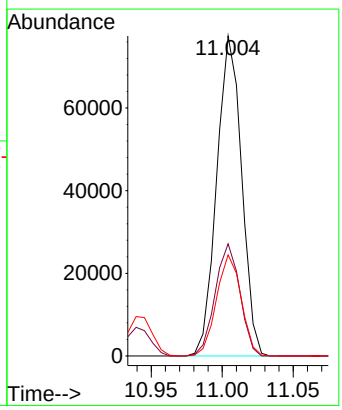


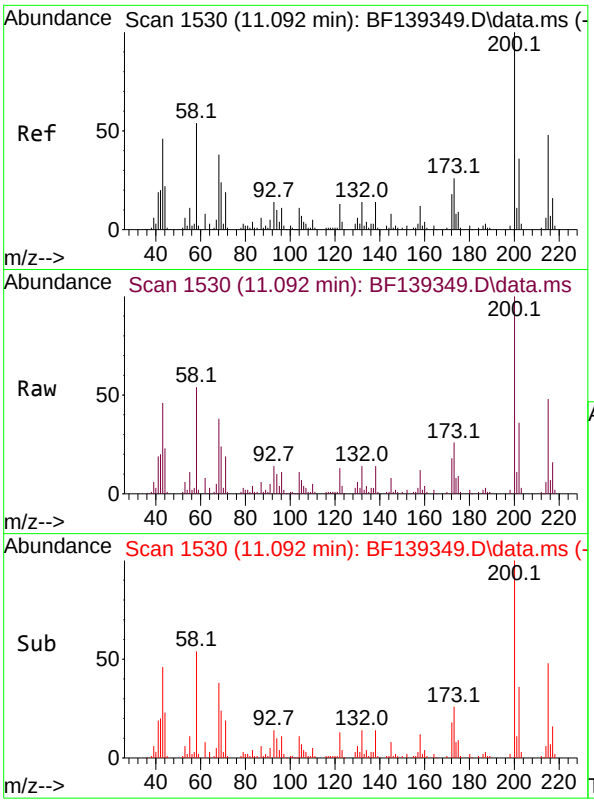




#68
Hexachlorobenzene
Concen: 43.730 ng
RT: 11.004 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:284 Resp: 94276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.0 | 28.0 | 42.0 |
| 249 | 31.6 | 25.3 | 37.9 |

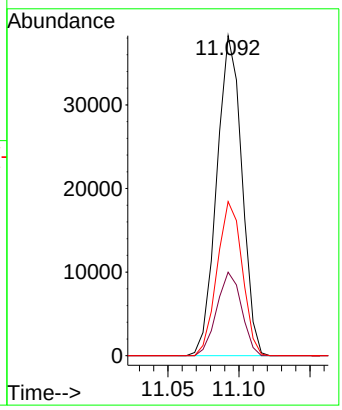





#69
Atrazine
Concen: 36.119 ng
RT: 11.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:200 Resp: 4708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.1 | 6.1 | 46.1 |
| 215 | 48.2 | 28.2 | 68.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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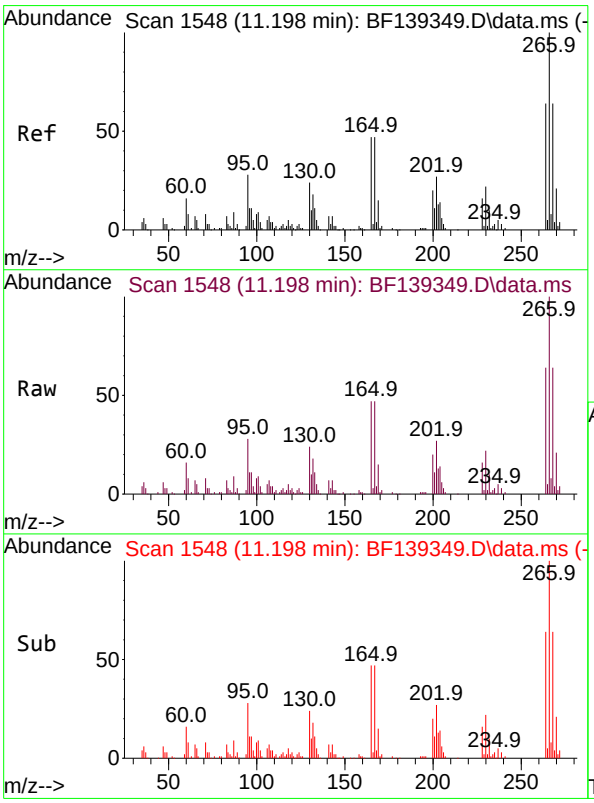
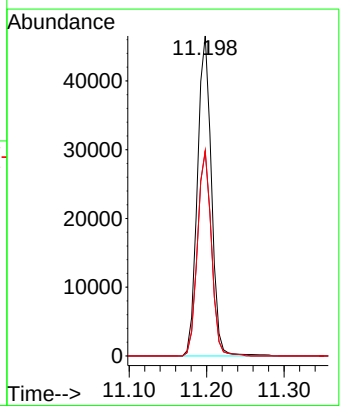
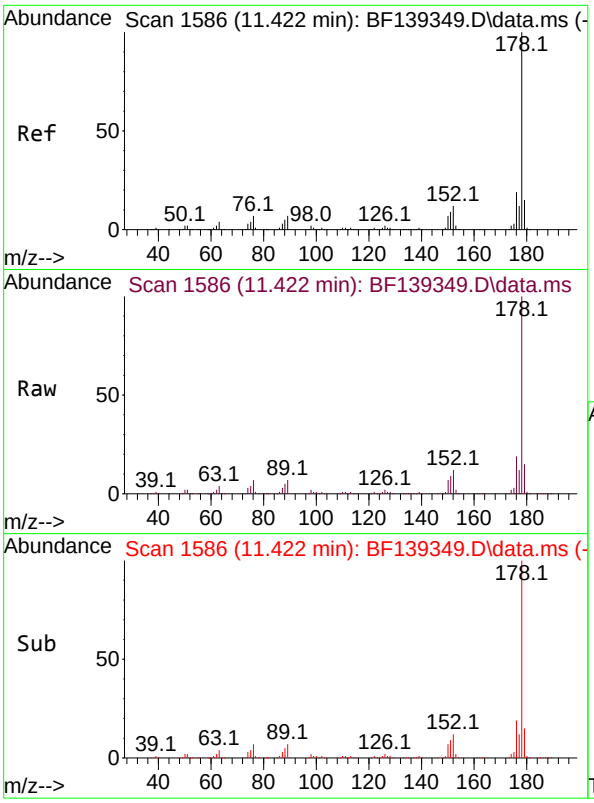



#70
Pentachlorophenol
Concen: 46.813 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:266 Resp: 58297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.9 | 51.1 | 76.7 |
| 264 | 64.2 | 51.4 | 77.0 |

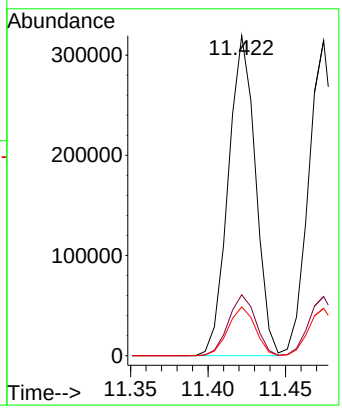





#71
Phenanthrene
Concen: 42.974 ng
RT: 11.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:178 Resp: 38966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.3 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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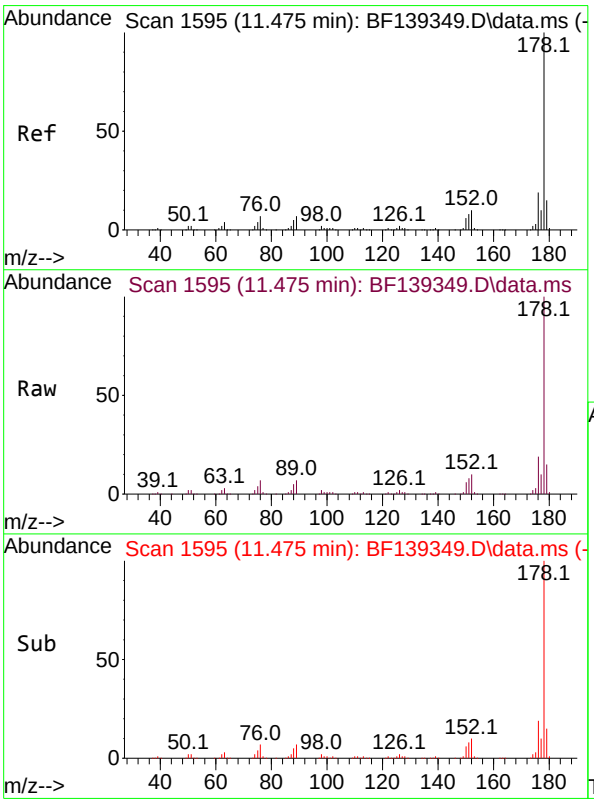
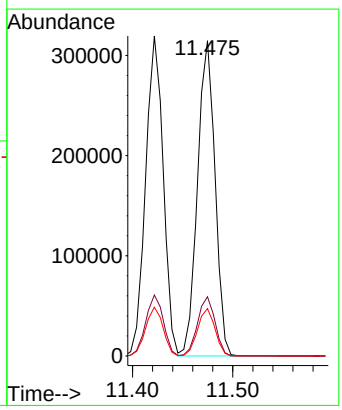
Supervised By :mohammad ahmed 09/16/2024

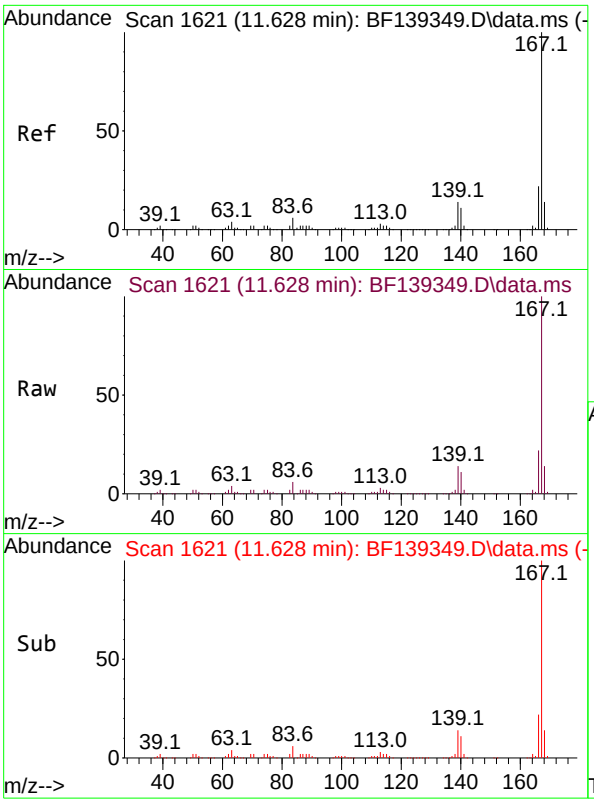



#72
Anthracene
Concen: 43.252 ng
RT: 11.475 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:178 Resp: 383110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.6 |
| 179 | 15.0 | 12.0 | 18.0 |

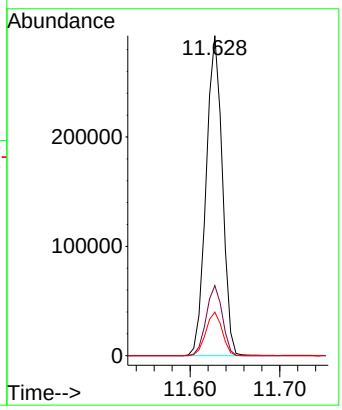





#73
Carbazole
Concen: 44.344 ng
RT: 11.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:167 Resp: 36710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.5 | 26.3 |
| 139 | 13.6 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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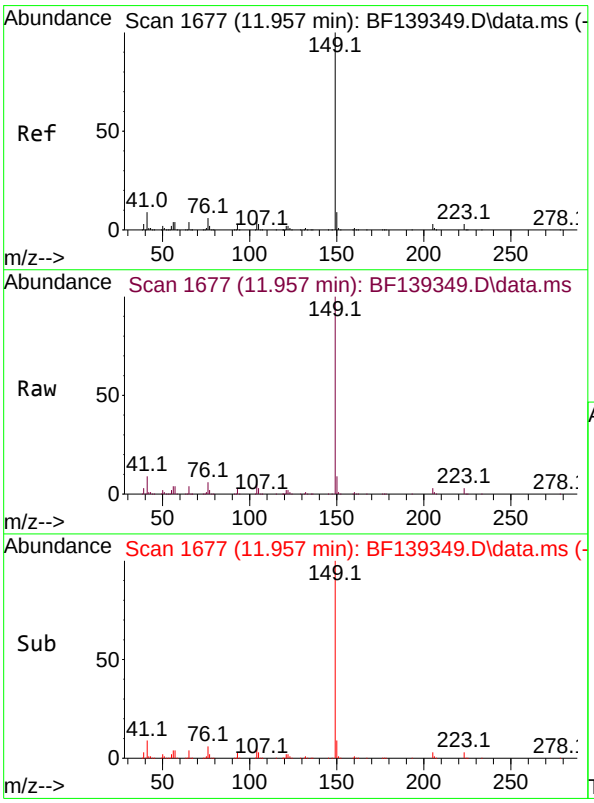
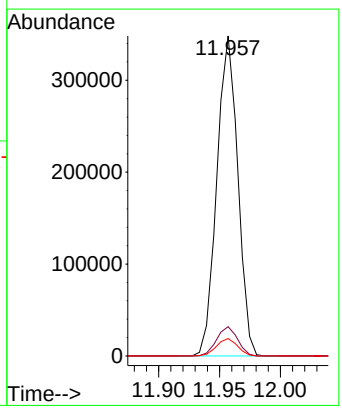
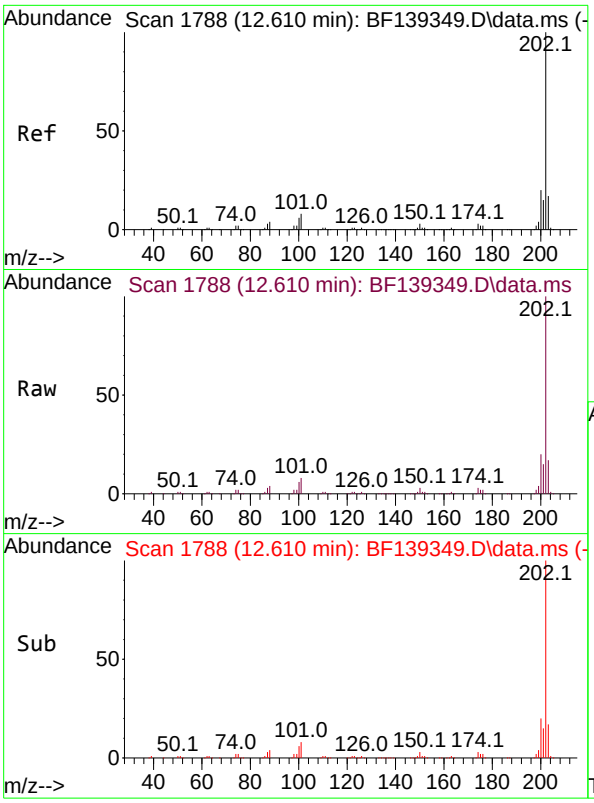



#74
Di-n-butylphthalate
Concen: 49.242 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:149 Resp: 417404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 5.4 | 4.3 | 6.5 |

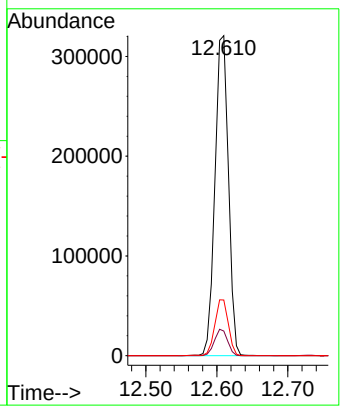





#75
Fluoranthene
Concen: 46.325 ng
RT: 12.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:202 Resp: 42111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.7 | 0.0 | 27.7 |
| 203 | 17.4 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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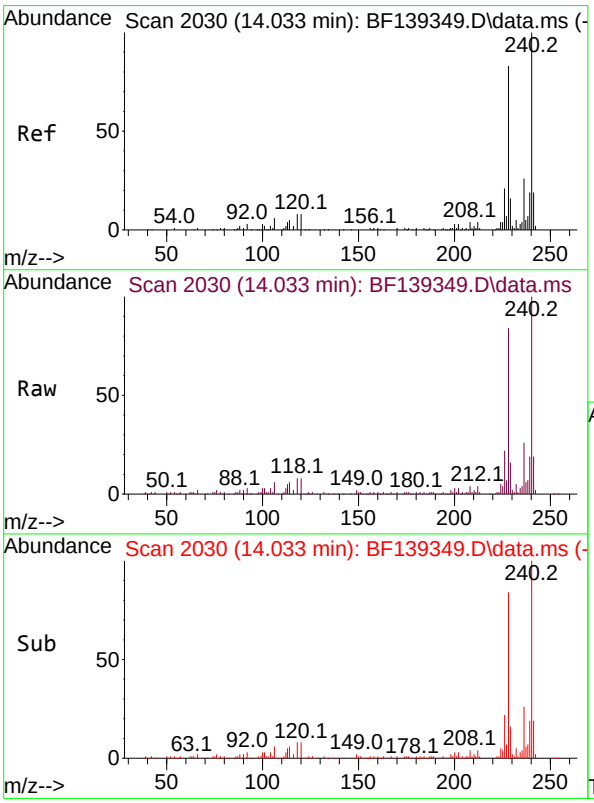
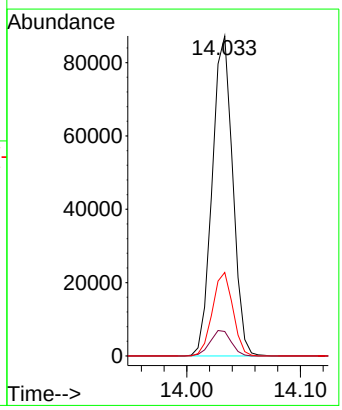
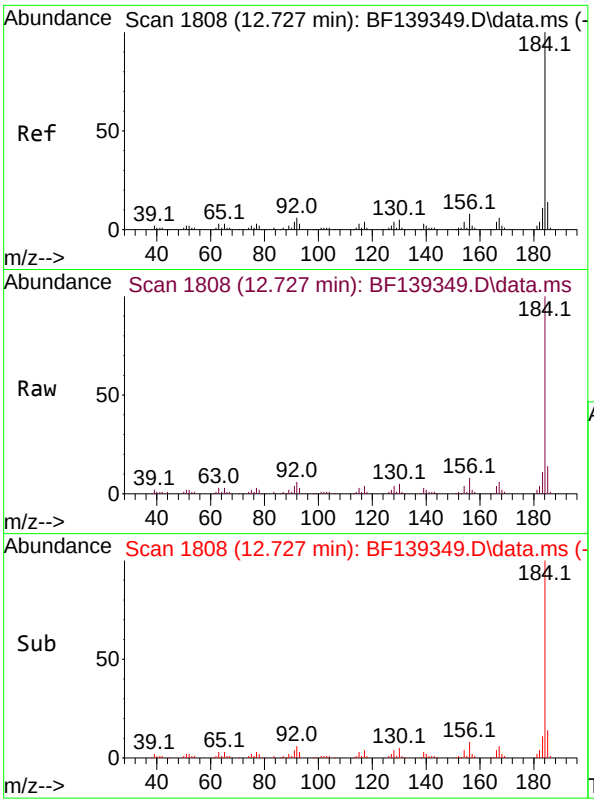



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:240 Resp: 109489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.7 | 6.2 | 9.2 |
| 236 | 26.1 | 20.9 | 31.3 |

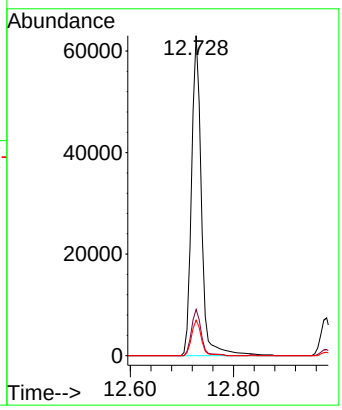





#77
Benzidine
Concen: 38.138 ng
RT: 12.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:184 Resp: 8408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.1 | 8.9 | 13.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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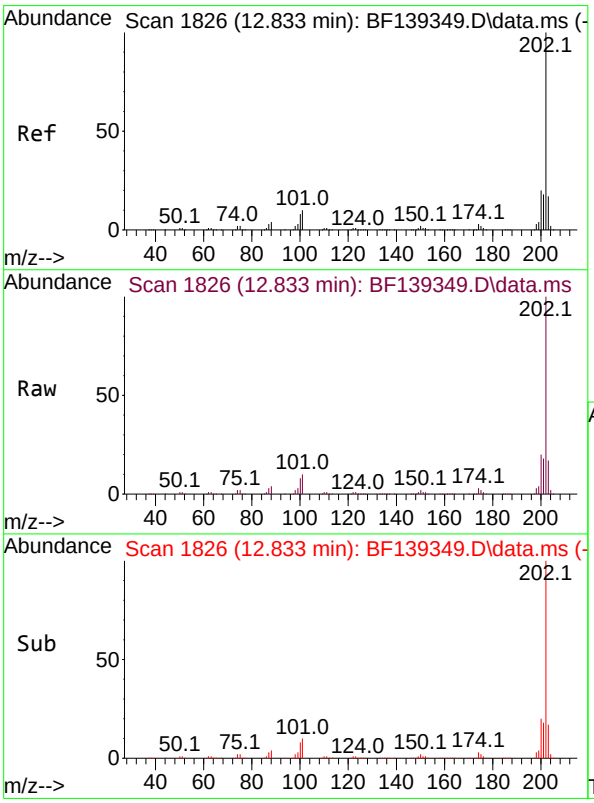
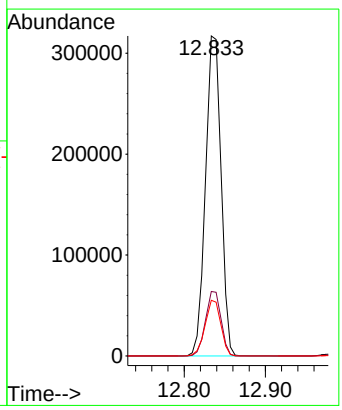
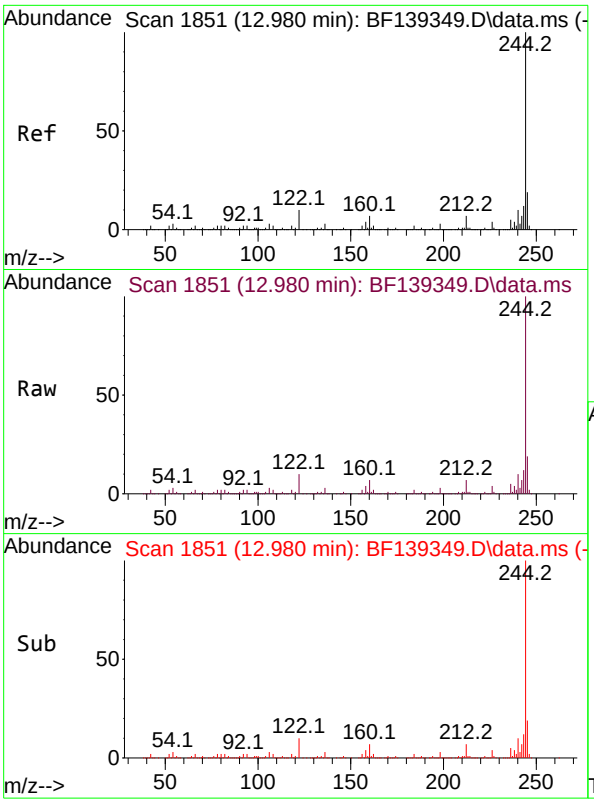



#78
Pyrene
Concen: 39.824 ng
RT: 12.833 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:202 Resp: 421208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 16.2 | 24.2 |
| 203 | 17.4 | 13.9 | 20.9 |






#79
Terphenyl-d14
Concen: 87.121 ng
RT: 12.980 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:244 Resp: 59079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 9.5 | 7.6 | 11.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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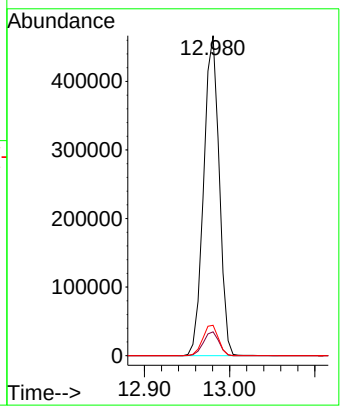
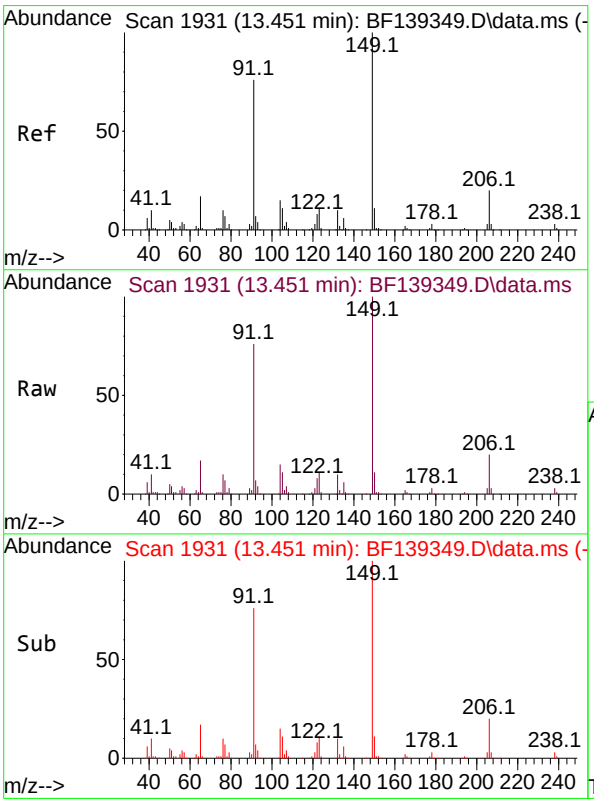
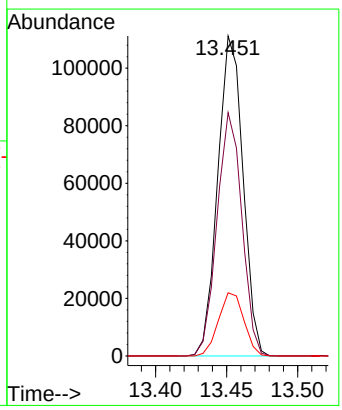


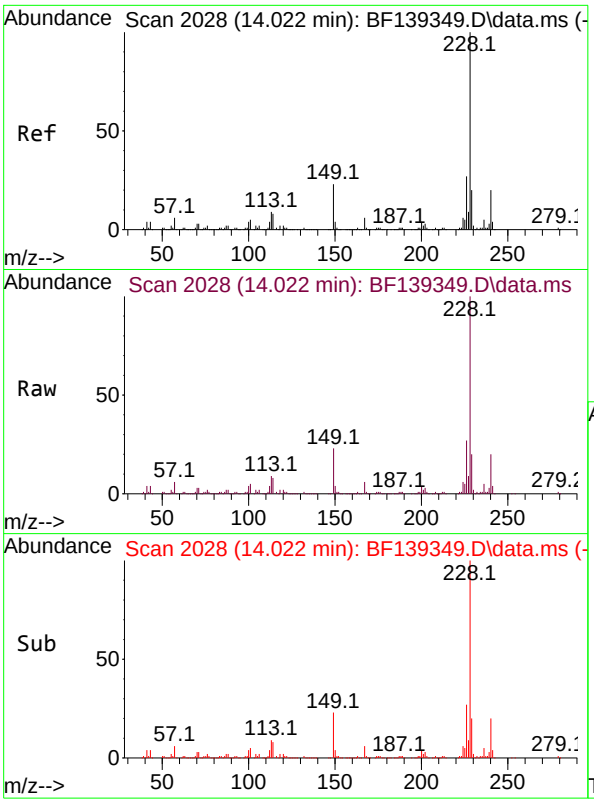




#80
Butylbenzylphthalate
Concen: 55.148 ng
RT: 13.451 min Scan# 1931
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:149 Resp: 137311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 76.1 | 60.9 | 91.3 |
| 206 | 19.8 | 15.8 | 23.8 |

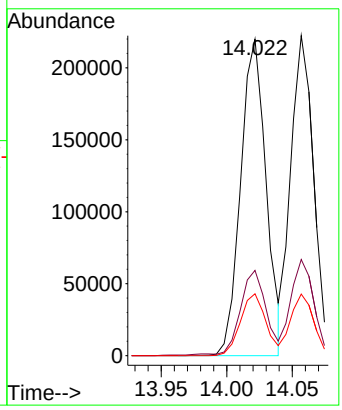





#81
Benzo(a)anthracene
Concen: 42.529 ng
RT: 14.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:228 Resp: 29733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.6 | 32.4 |
| 229 | 19.6 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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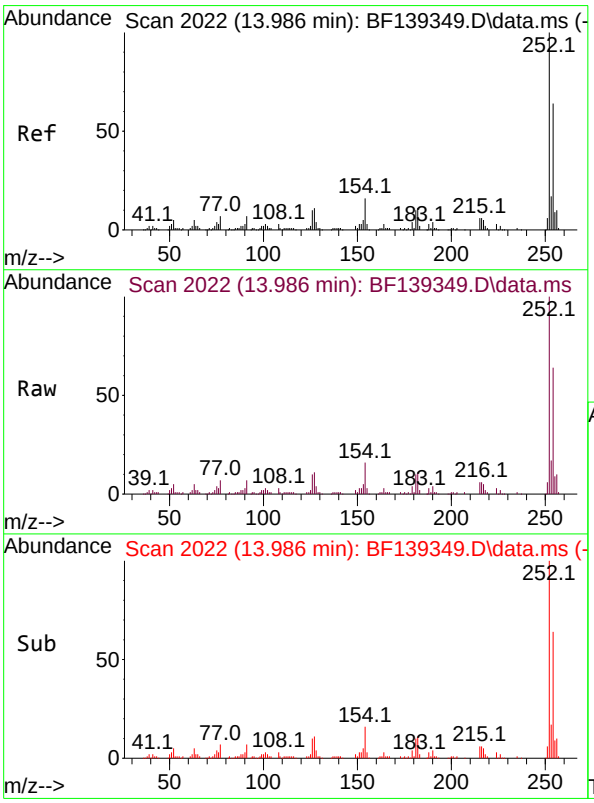
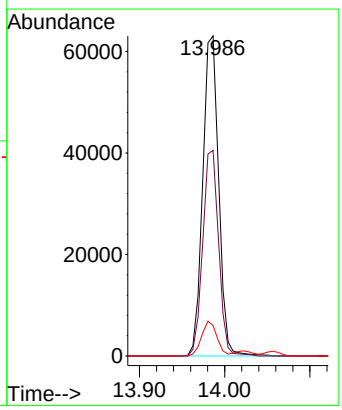
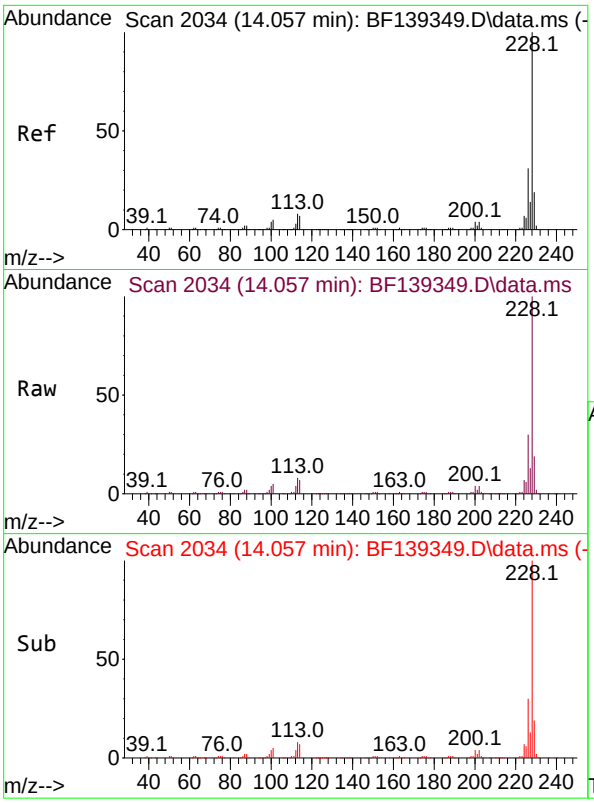



#82
3,3'-Dichlorobenzidine
Concen: 44.120 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:252 Resp: 81918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.4 | 77.2 |
| 126 | 9.6 | 7.7 | 11.5 |

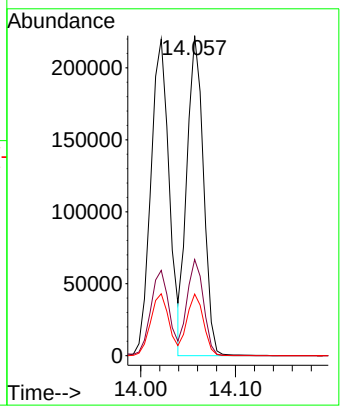





#83
Chrysene
Concen: 41.408 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:228 Resp: 27019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.2 | 15.4 | 23.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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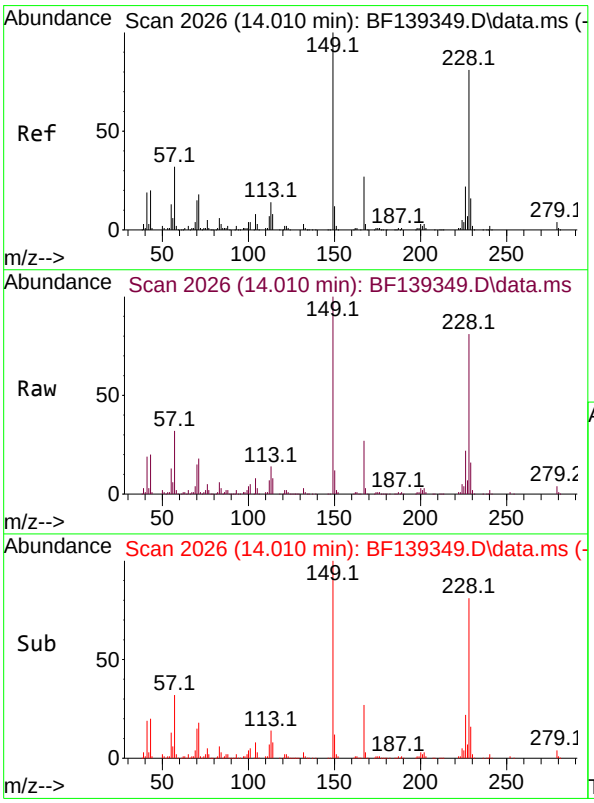
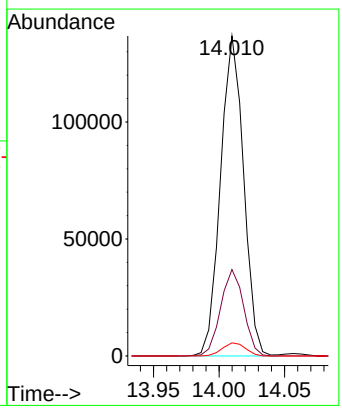
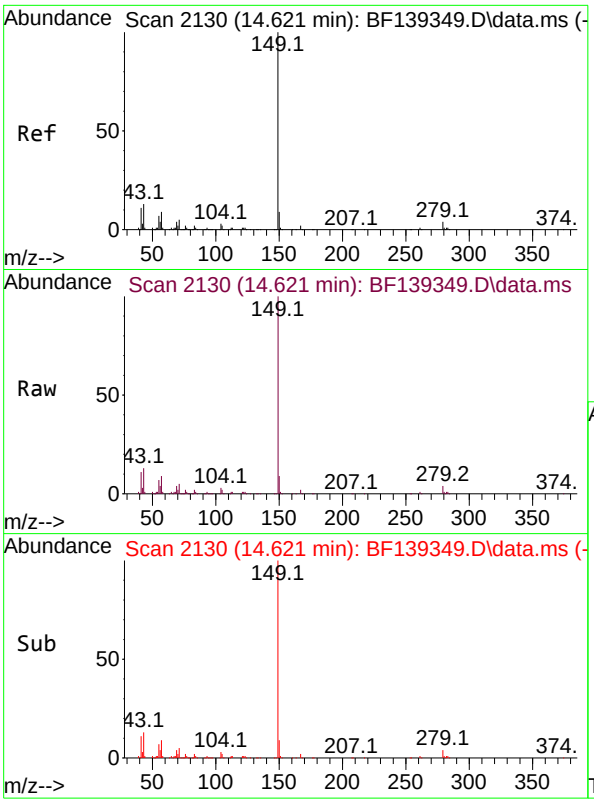



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.267 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:149 Resp: 167358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.6 | 32.4 |
| 279 | 4.1 | 3.3 | 4.9 |

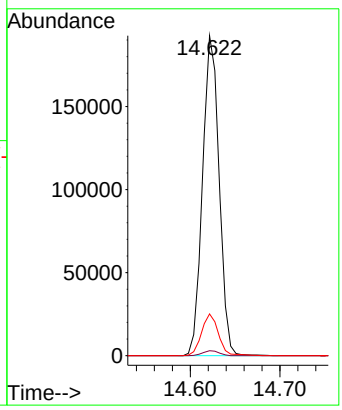





#85
Di-n-octyl phthalate
Concen: 44.204 ng
RT: 14.621 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:149 Resp: 24733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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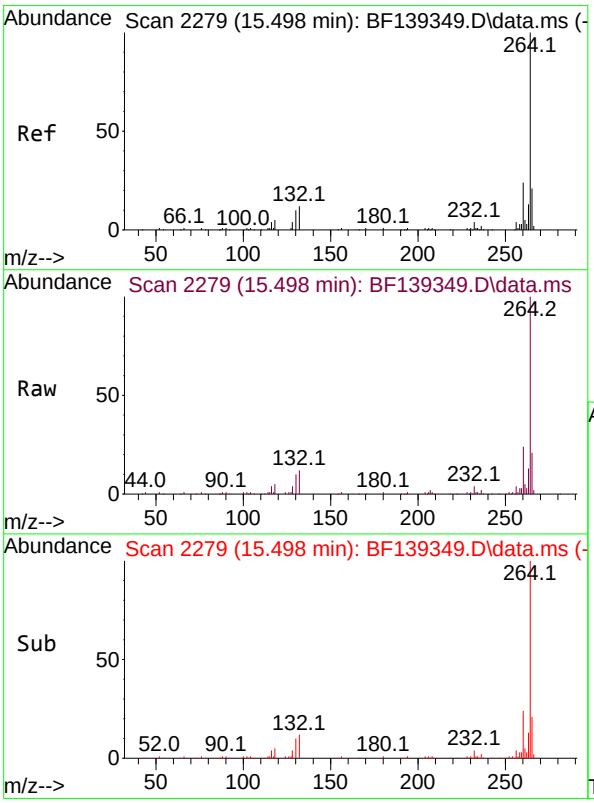
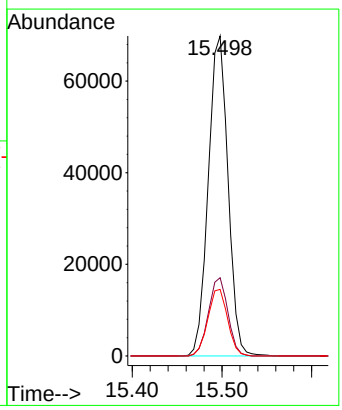
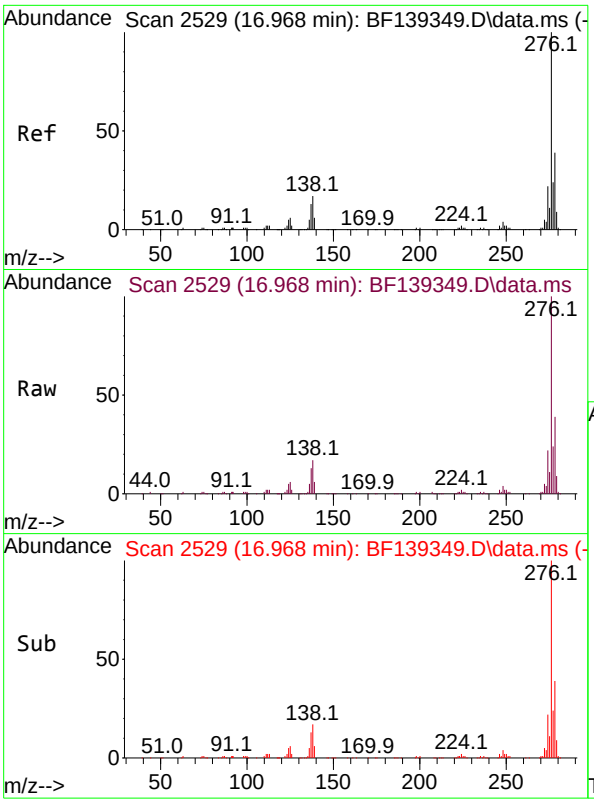



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:264 Resp: 106513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.5 | 29.3 |
| 265 | 20.8 | 16.6 | 25.0 |

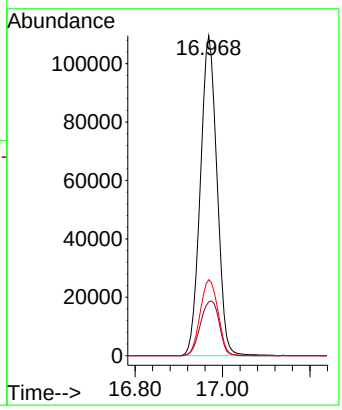





#87
Indeno(1,2,3-cd)pyrene
Concen: 43.643 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:276 Resp: 29040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.3 | 15.4 | 23.2 |
| 277 | 25.5 | 20.4 | 30.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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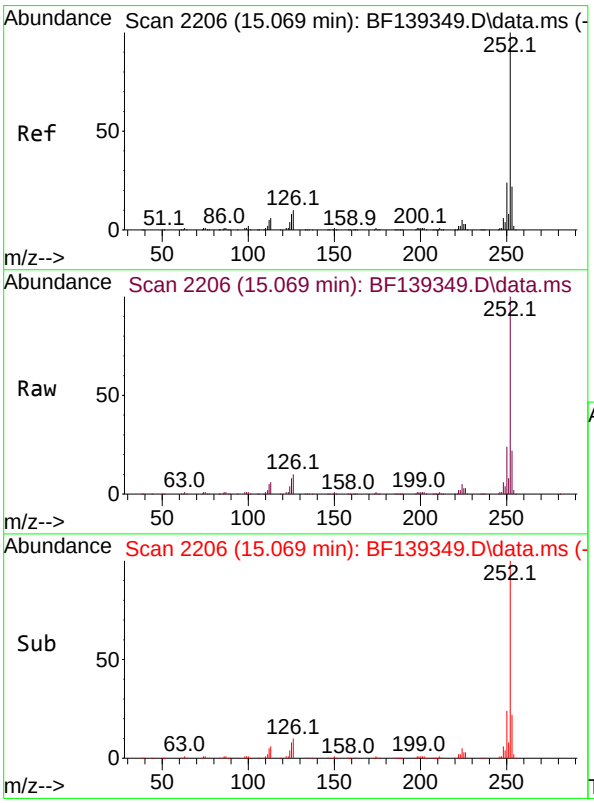
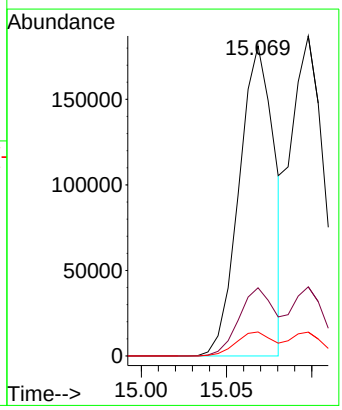
Supervised By :mohammad ahmed 09/16/2024

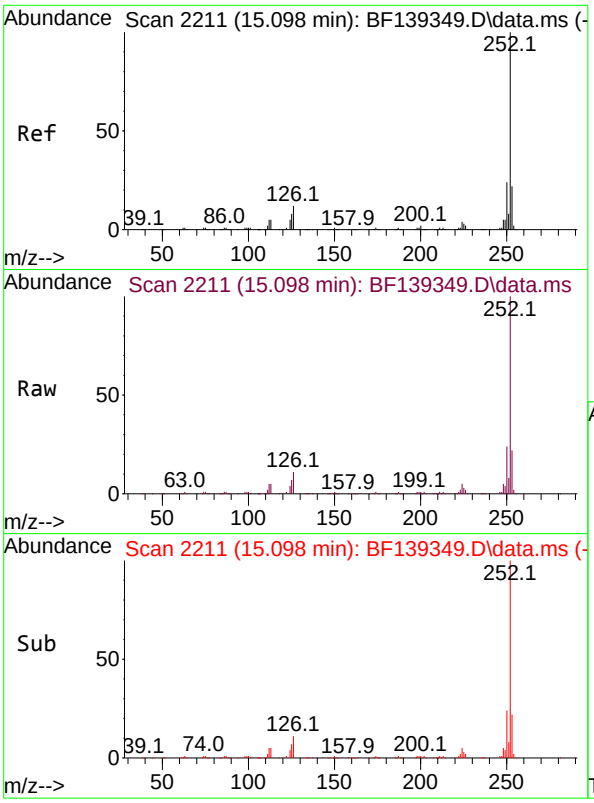



#88
Benzo(b)fluoranthene
Concen: 42.570 ng
RT: 15.069 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:252 Resp: 261127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |

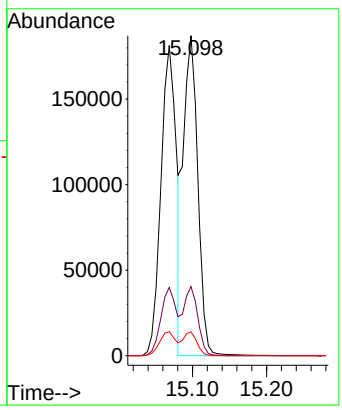





#89
Benzo(k)fluoranthene
Concen: 46.126 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:252 Resp: 25369

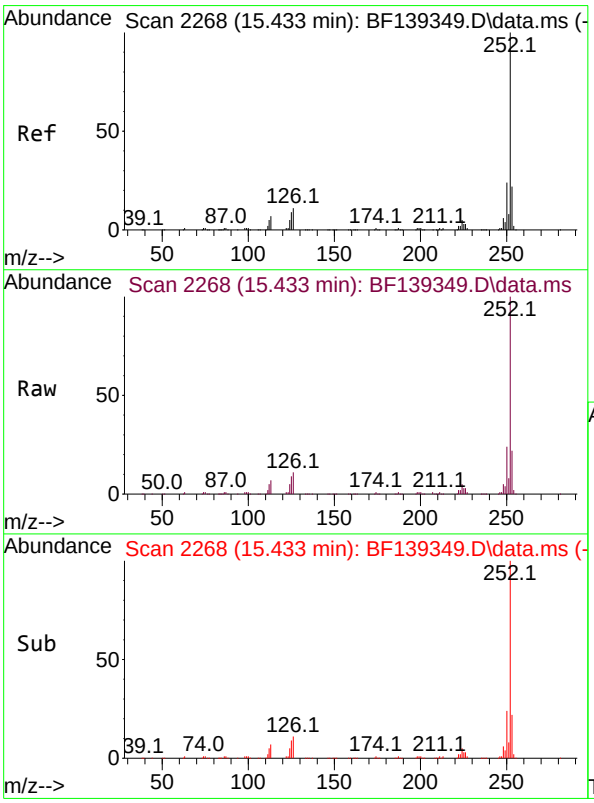
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.3 | 25.9 |
| 125 | 7.4 | 5.9 | 8.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

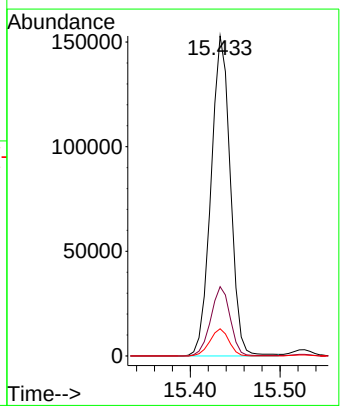
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

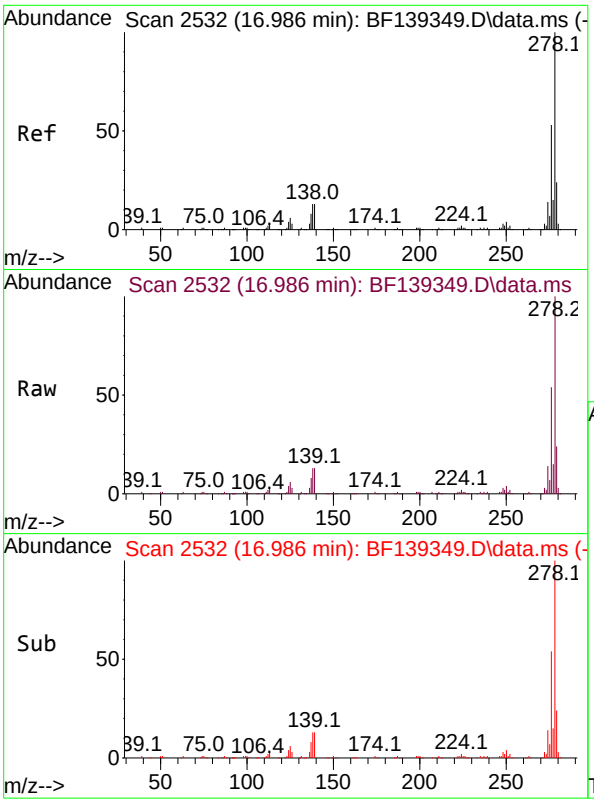



#90
Benzo(a)pyrene
Concen: 44.011 ng
RT: 15.433 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:252 Resp: 229237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.3 | 25.9 |
| 125 | 8.5 | 6.8 | 10.2 |

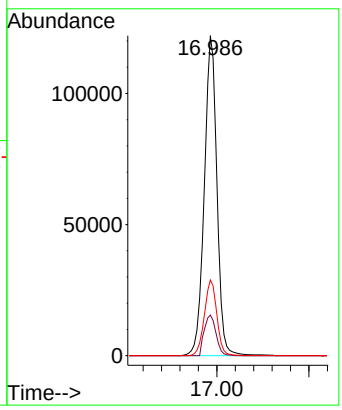





#91
Dibenzo(a,h)anthracene
Concen: 42.639 ng
RT: 16.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:278 Resp: 23381

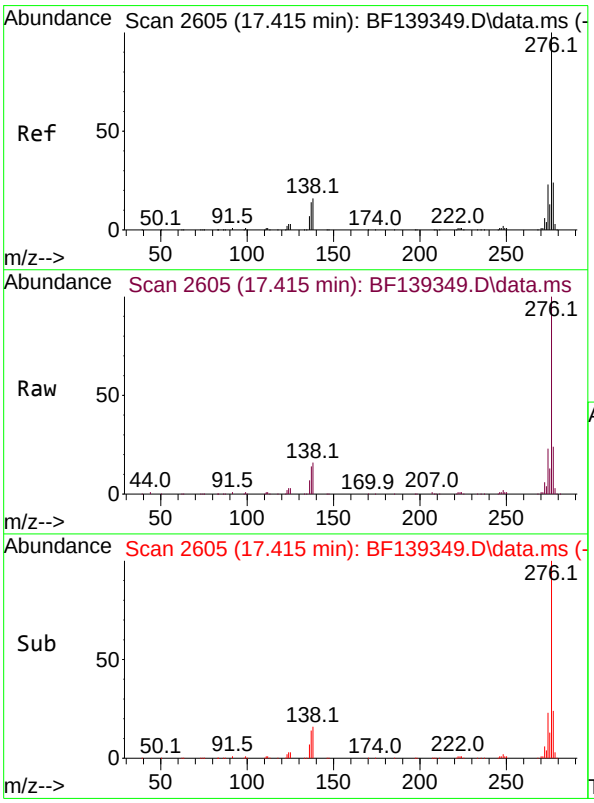
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.2 | 15.2 |
| 279 | 23.6 | 18.9 | 28.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

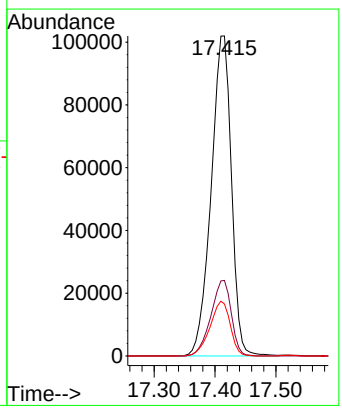
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024




#92
Benzo(g,h,i)perylene
Concen: 41.642 ng
RT: 17.415 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF139349.D
Acq: 13 Sep 2024 16:53

Tgt Ion:276 Resp: 235706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.9 | 28.3 |
| 138 | 16.3 | 13.0 | 19.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139350.D
Acq On : 13 Sep 2024 17:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 60726 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 218122 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 118314 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 224385 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 119656 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 123129 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 356372 | 95.736 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 462024 | 94.562 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 445436 | 96.004 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 120422 | 95.604 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 803022 | 95.192 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 741072 | 101.657 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.651 | 88 | 67895 | 45.462 | ng | 99 |
| 3) Pyridine | 3.404 | 79 | 152055 | 46.179 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 137378 | 48.135 | ng | 100 |
| 6) Aniline | 6.581 | 93 | 167082m | 50.727 | ng | |
| 8) 2-Chlorophenol | 6.663 | 128 | 182644 | 47.665 | ng | 97 |
| 9) Benzaldehyde | 6.428 | 77 | 115581 | 43.191 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 231412 | 46.503 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 171147 | 45.250 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 205651 | 47.192 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 209000 | 47.460 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 197506 | 47.464 | ng | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 185255 | 47.524 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 271832 | 46.635 | ng | 100 |
| 17) 2-Methylphenol | 7.133 | 107 | 144596 | 47.496 | ng | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 80677 | 48.099 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 138502 | 47.836 | ng | 99 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 198277 | 47.737 | ng | 95 |
| 22) Acetophenone | 7.292 | 105 | 273758 | 48.008 | ng | 97 |
| 24) Nitrobenzene | 7.469 | 77 | 230160 | 48.198 | ng | 99 |
| 25) Isophorone | 7.704 | 82 | 352840 | 48.085 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 92210 | 49.564 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 119187 | 48.567 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 198334 | 47.425 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 148165 | 47.525 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 172156 | 47.393 | ng | 99 |
| 31) Naphthalene | 8.186 | 128 | 546863 | 48.024 | ng | 100 |
| 32) Benzoic acid | 7.939 | 122 | 120521 | 52.273 | ng | 97 |
| 33) 4-Chloroaniline | 8.239 | 127 | 166581 | 47.818 | ng | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 120140 | 48.681 | ng | 98 |
| 35) Caprolactam | 8.610 | 113 | 45162 | 47.092 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 172036 | 48.284 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 344052 | 47.601 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 336046 | 47.357 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 168182 | 47.964 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.027 | 237 | 61220 | 50.004 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 109327 | 47.923 | ng | 99 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139350.D
Acq On : 13 Sep 2024 17:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 02:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.192 | 196 | 118193 | 49.117 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 9.339 | 154 | 437548 | 48.070 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.363 | 162 | 330109 | 48.505 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.457 | 65 | 126535 | 49.987 | ng | | 97 |
| 49) | Acenaphthylene | 9.780 | 152 | 497184 | 48.531 | ng | | 99 |
| 50) | Dimethylphthalate | 9.639 | 163 | 370588 | 47.723 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.698 | 165 | 85910 | 49.939 | ng | | 96 |
| 52) | Acenaphthene | 9.951 | 154 | 345749 | 48.356 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.869 | 138 | 83924 | 48.815 | ng | | 96 |
| 54) | 2,4-Dinitrophenol | 9.969 | 184 | 51497 | 57.104 | ng | # | 87 |
| 55) | Dibenzofuran | 10.122 | 168 | 473142 | 47.477 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.022 | 139 | 72103 | 50.685 | ng | | 94 |
| 57) | 2,4-Dinitrotoluene | 10.104 | 165 | 114884 | 49.465 | ng | | 98 |
| 58) | Fluorene | 10.463 | 166 | 391850 | 48.191 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 95986 | 48.219 | ng | | 98 |
| 60) | Diethylphthalate | 10.333 | 149 | 387175 | 48.314 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.457 | 204 | 189920 | 48.061 | ng | | 96 |
| 62) | 4-Nitroaniline | 10.486 | 138 | 90703 | 48.340 | ng | | 99 |
| 63) | Azobenzene | 10.616 | 77 | 378482 | 48.019 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.510 | 198 | 63136 | 53.312 | ng | | 99 |
| 66) | n-Nitrosodiphenylamine | 10.574 | 169 | 313904 | 47.849 | ng | | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.945 | 248 | 107298 | 48.254 | ng | | 98 |
| 68) | Hexachlorobenzene | 11.010 | 284 | 124911 | 47.865 | ng | | 98 |
| 69) | Atrazine | 11.098 | 200 | 79000 | 50.583 | ng | | 98 |
| 70) | Pentachlorophenol | 11.198 | 266 | 77067 | 49.215 | ng | | 98 |
| 71) | Phenanthrene | 11.421 | 178 | 526376 | 48.623 | ng | | 100 |
| 72) | Anthracene | 11.474 | 178 | 511970 | 48.370 | ng | | 100 |
| 73) | Carbazole | 11.627 | 167 | 494354 | 48.799 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.957 | 149 | 556151 | 49.283 | ng | | 100 |
| 75) | Fluoranthene | 12.610 | 202 | 537080 | 46.457 | ng | | 99 |
| 77) | Benzidine | 12.727 | 184 | 80463 | 46.936 | ng | | 100 |
| 78) | Pyrene | 12.839 | 202 | 530780 | 51.662 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.457 | 149 | 174982 | 50.037 | ng | | 96 |
| 81) | Benzo(a)anthracene | 14.021 | 228 | 377584 | 47.639 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 13.986 | 252 | 109919 | 47.356 | ng | | 98 |
| 83) | Chrysene | 14.062 | 228 | 354515 | 48.617 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.009 | 149 | 217495 | 48.889 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 14.621 | 149 | 330088 | 50.382 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.974 | 276 | 388214 | 53.023 | ng | | 100 |
| 88) | Benzo(b)fluoranthene | 15.068 | 252 | 365162 | 48.087 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.104 | 252 | 316496 | 45.203 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.439 | 252 | 305466 | 48.503 | ng | | 100 |
| 91) | Dibenzo(a,h)anthracene | 16.992 | 278 | 321341 | 53.114 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.421 | 276 | 317487 | 53.000 | ng | | 99 |

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

ICAL Form

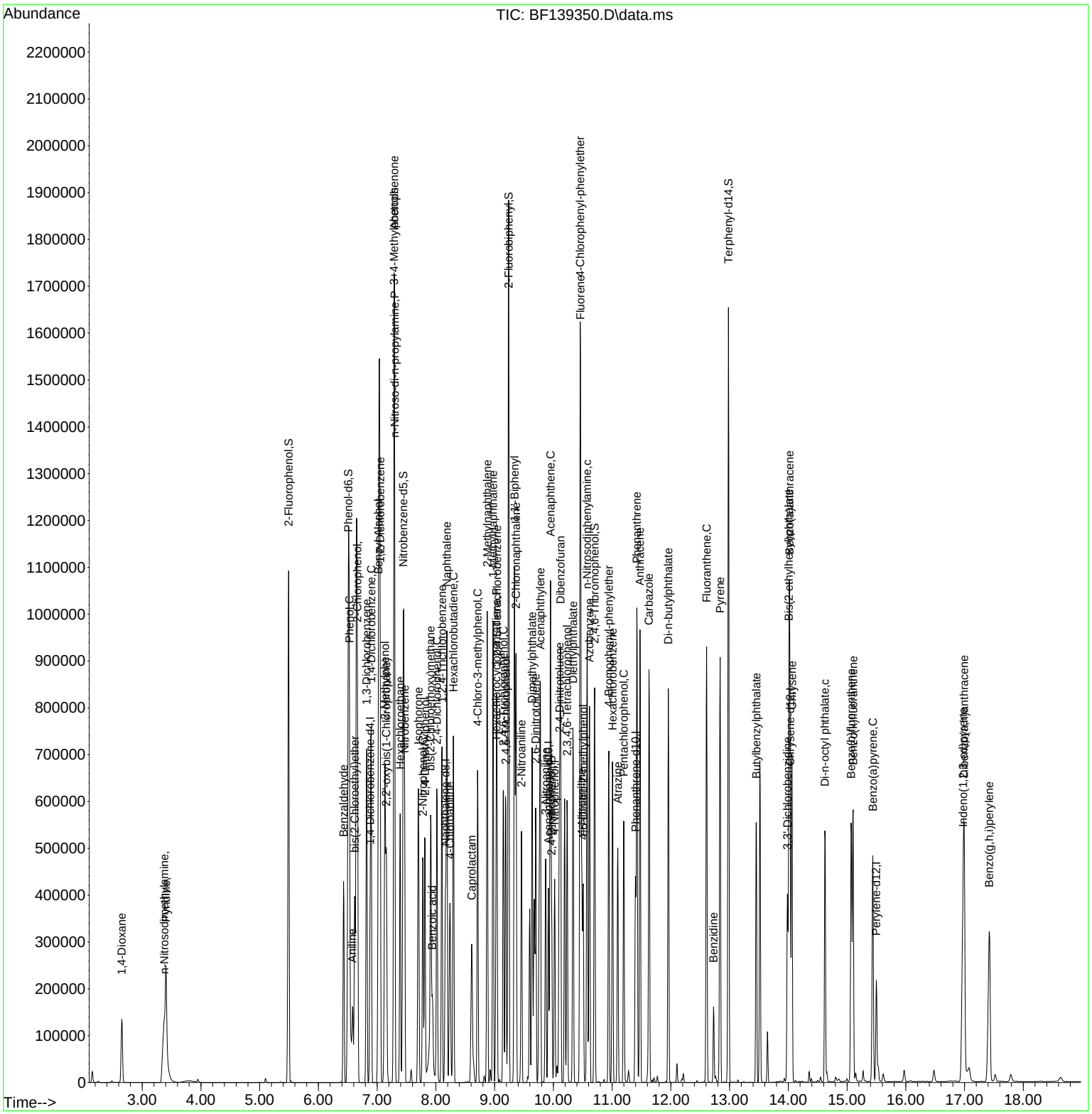
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139350.D
Acq On : 13 Sep 2024 17:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

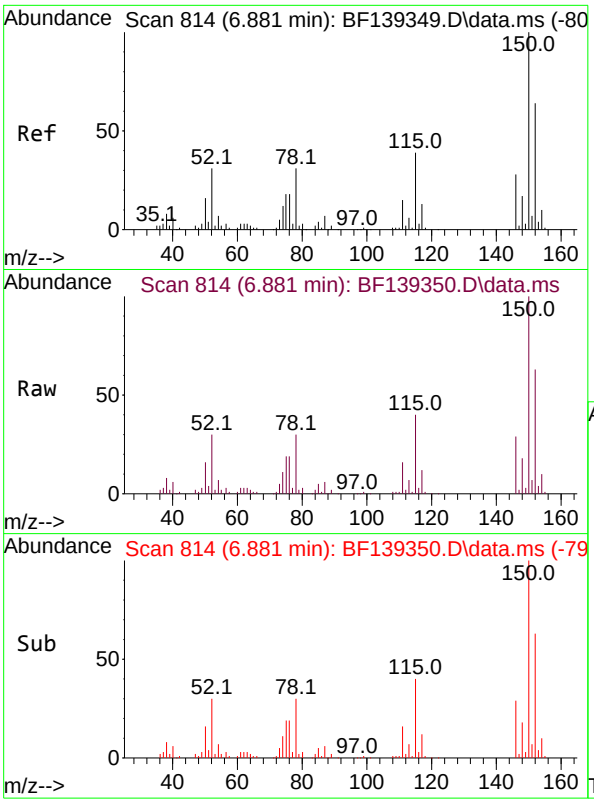
Quant Time: Sep 14 02:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

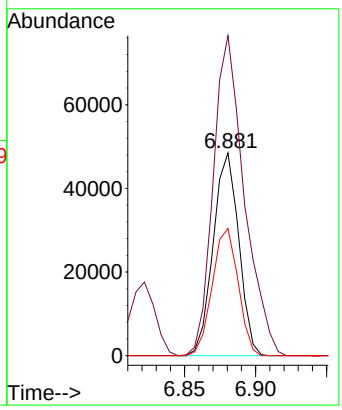





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:152 Resp: 6072

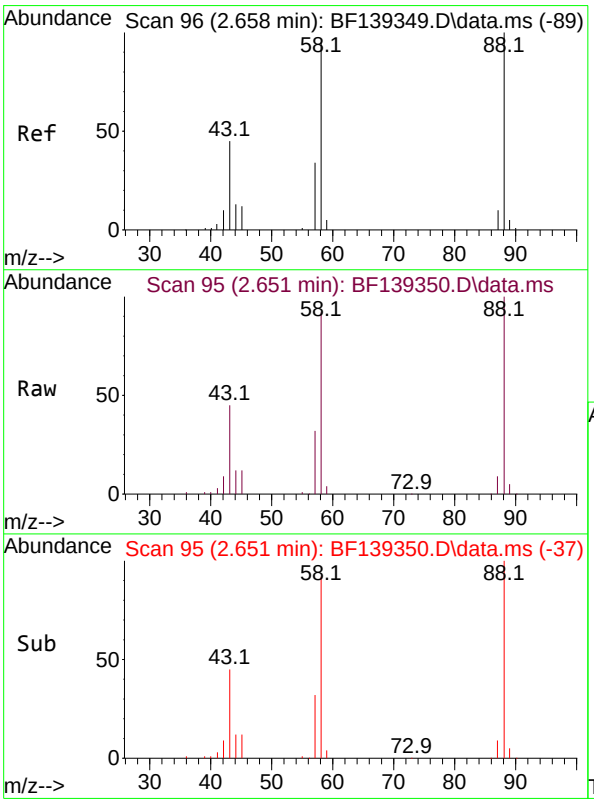
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 124.1 | 186.1 |
| 115 | 62.8 | 48.1 | 72.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

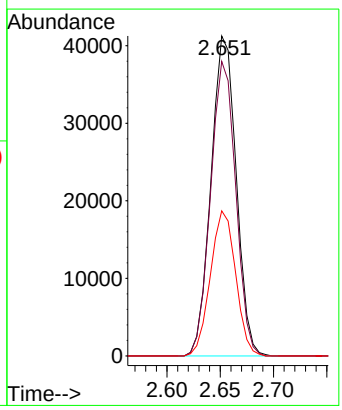
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

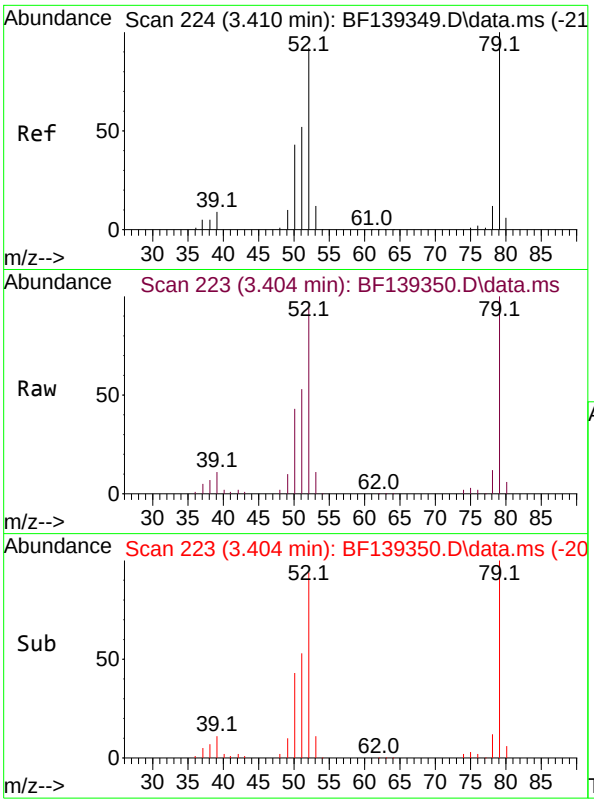



#2
1,4-Dioxane
Concen: 45.462 ng
RT: 2.651 min Scan# 95
Delta R.T. -0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 88 Resp: 67895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 91.6 | 74.8 | 112.2 |
| 43 | 45.4 | 36.4 | 54.6 |

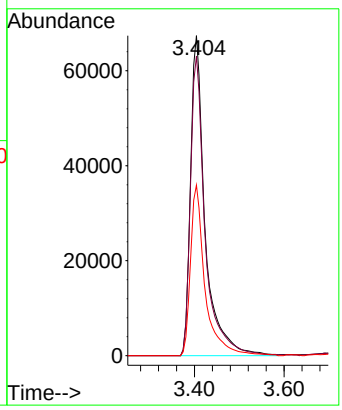





#3
Pyridine
Concen: 46.179 ng
RT: 3.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 79 Resp: 15205

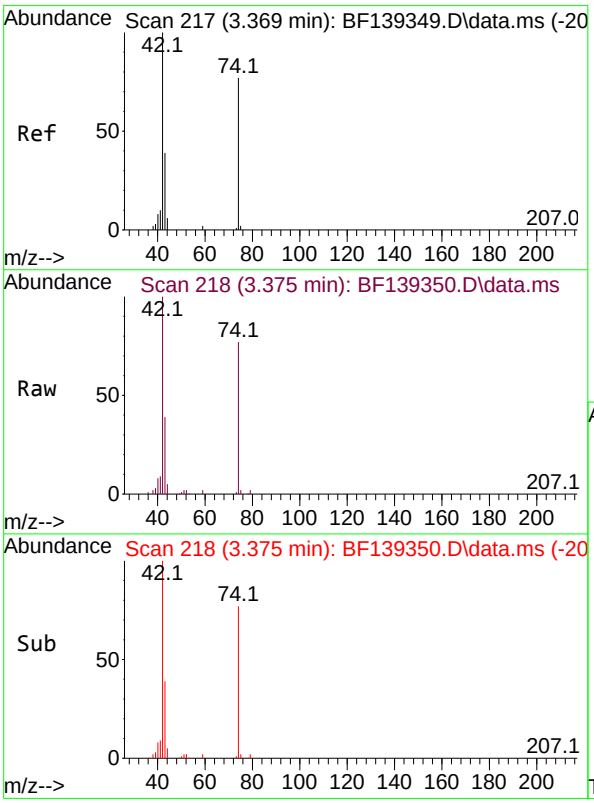
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 93.7 | 73.8 | 110.8 |
| 51 | 53.3 | 41.8 | 62.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

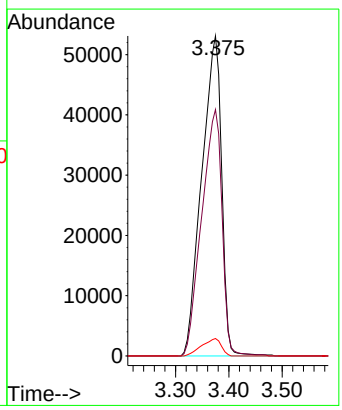
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

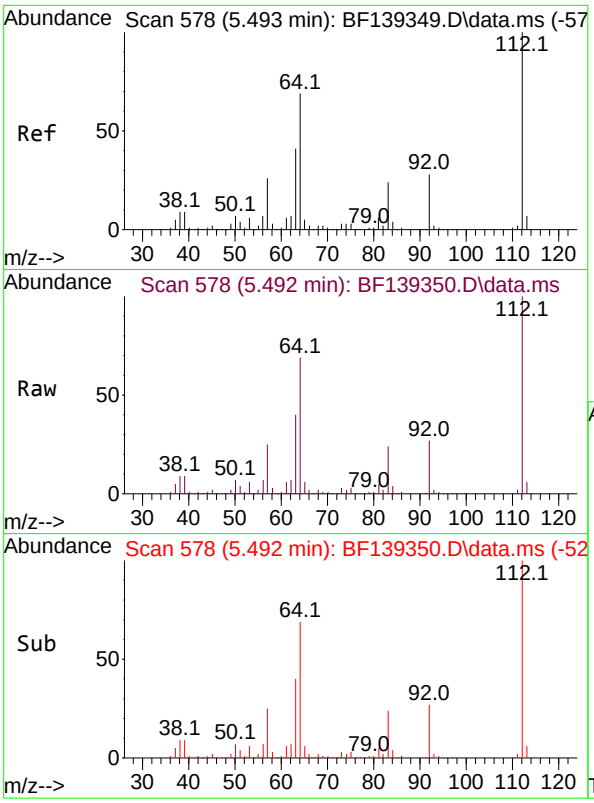



#4
n-Nitrosodimethylamine
Concen: 48.135 ng
RT: 3.375 min Scan# 218
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 42 Resp: 137378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 77.0 | 61.8 | 92.8 |
| 44 | 5.4 | 4.8 | 7.2 |

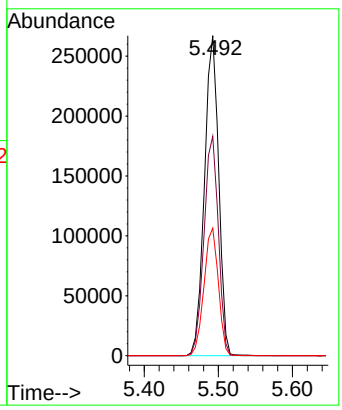





#5
2-Fluorophenol
Concen: 95.736 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:112 Resp: 35637

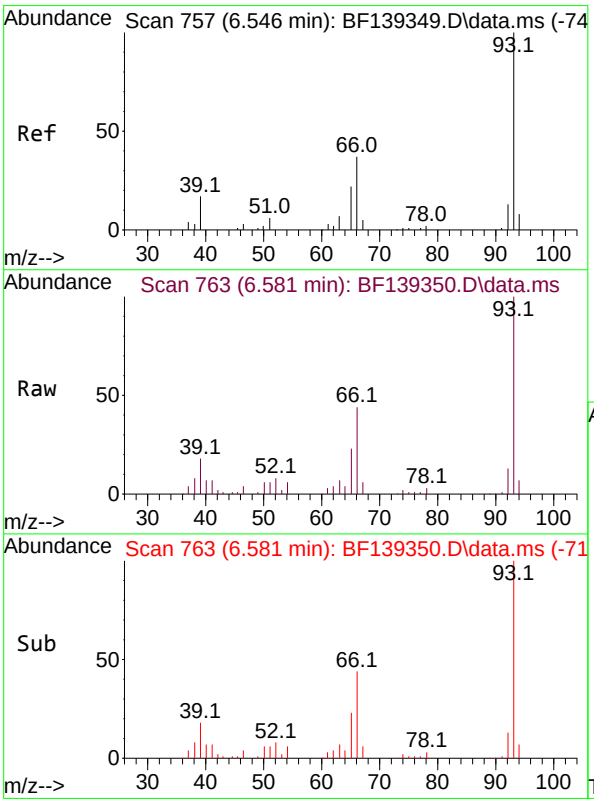
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.6 | 54.8 | 82.2 |
| 63 | 39.9 | 33.0 | 49.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

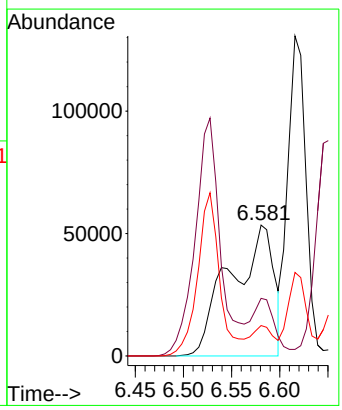
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

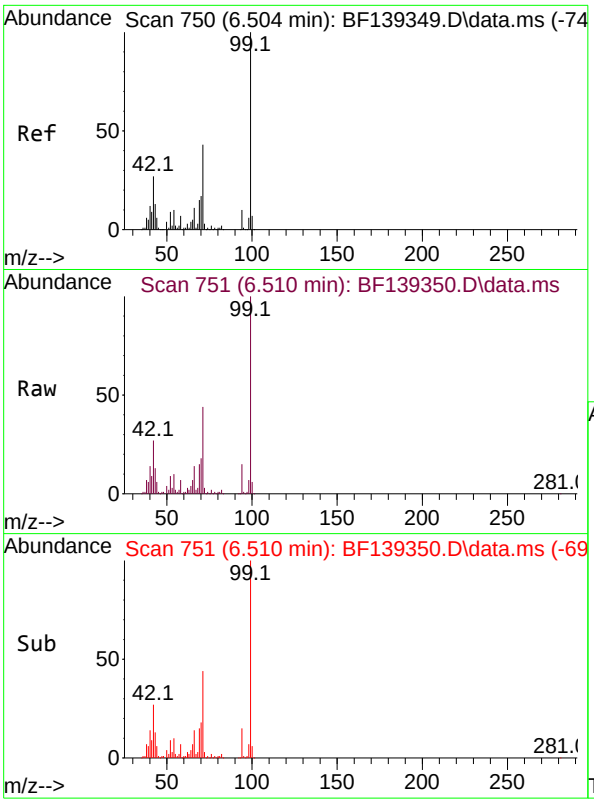



#6
Aniline
Concen: 50.727 ng m
RT: 6.581 min Scan# 763
Delta R.T. 0.011 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 93 Resp: 167082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 44.0 | 35.4 | 53.0 |
| 65 | 23.2 | 18.2 | 27.4 |

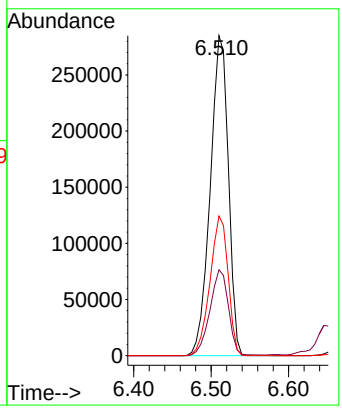





#7
Phenol-d6
Concen: 94.562 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 99 Resp: 46202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.9 | 21.9 | 32.9 |
| 71 | 43.7 | 34.6 | 52.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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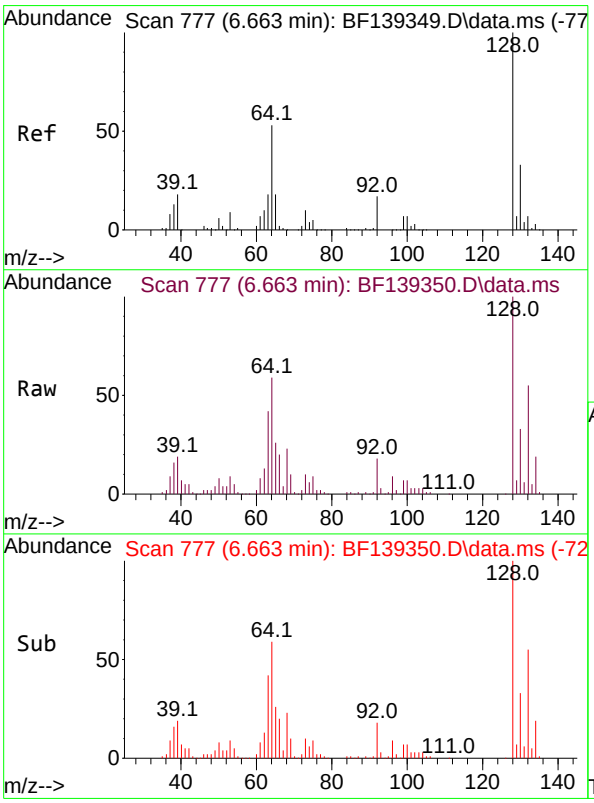
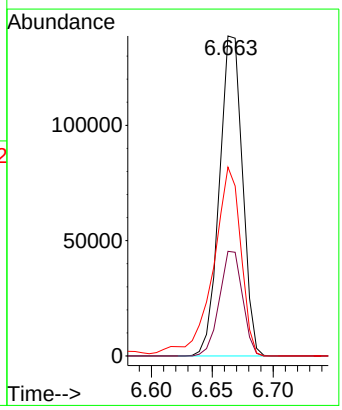
Supervised By :mohammad ahmed 09/16/2024

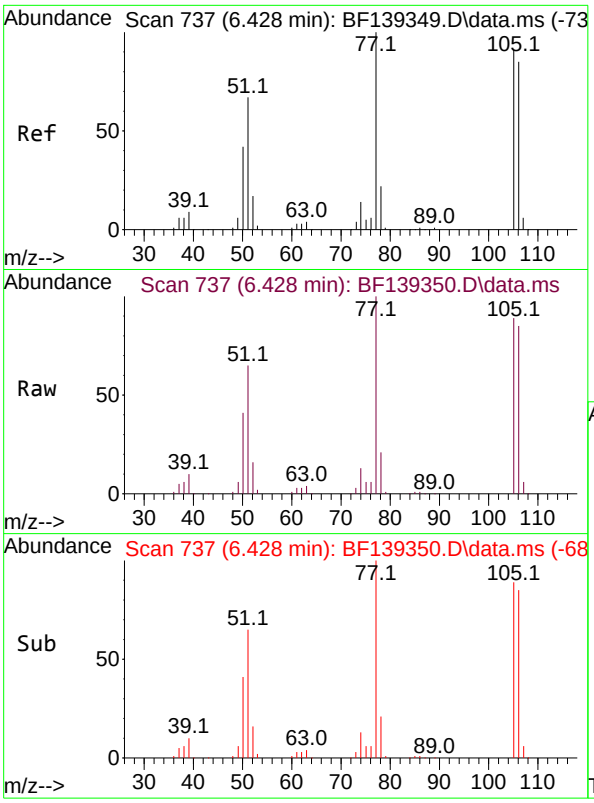



#8
2-Chlorophenol
Concen: 47.665 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:128 Resp: 182644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.8 | 52.8 |
| 64 | 59.0 | 35.1 | 75.1 |

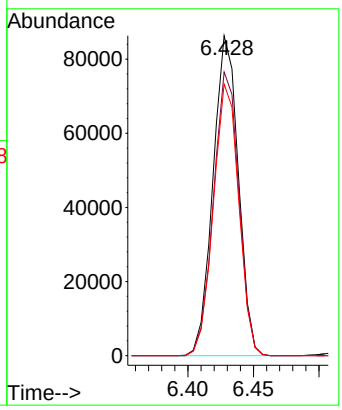





#9
Benzaldehyde
Concen: 43.191 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 77 Resp: 11558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 88.7 | 71.0 | 111.0 |
| 106 | 84.9 | 64.9 | 104.9 |




**Instrument :**
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SSTDICC050

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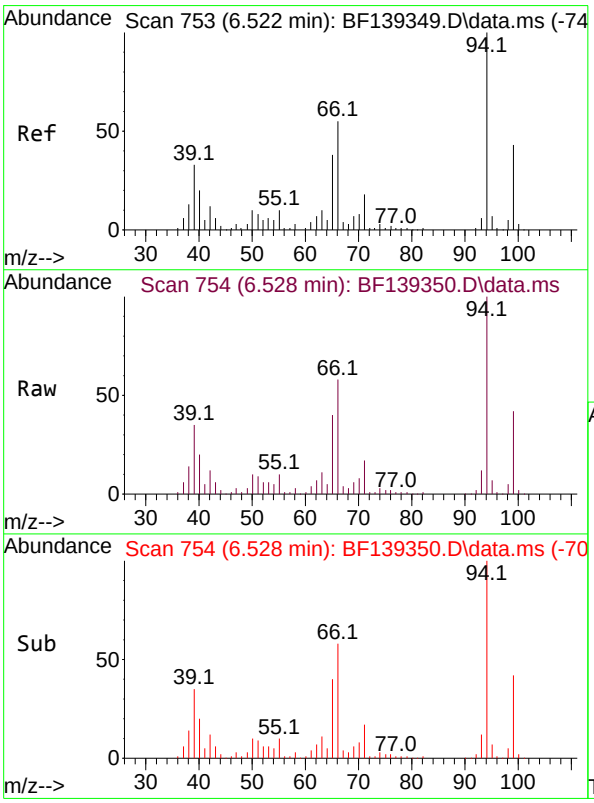
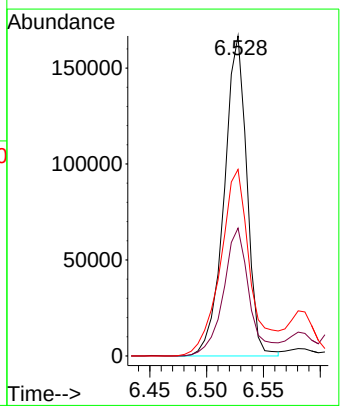
Supervised By :mohammad ahmed 09/16/2024

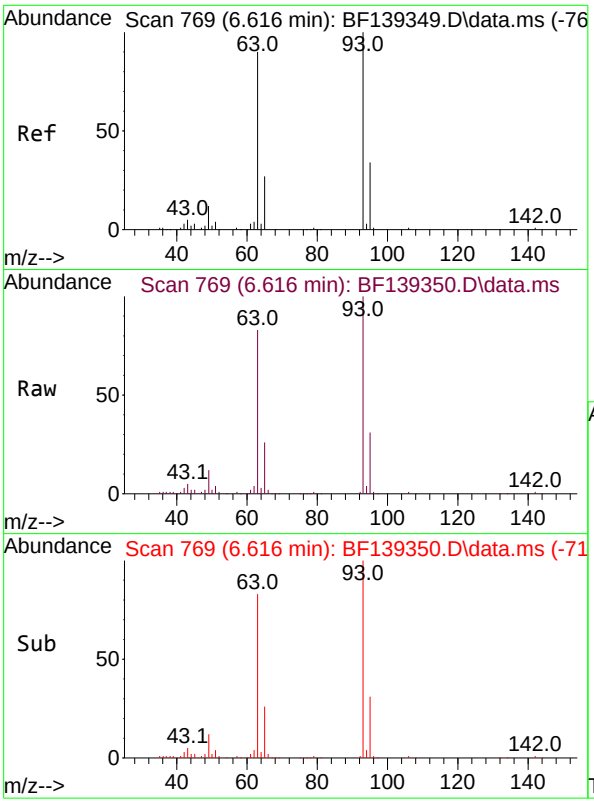



#10
Phenol
Concen: 46.503 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 94 Resp: 231412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.0 | 17.6 | 57.6 |
| 66 | 58.3 | 35.2 | 75.2 |

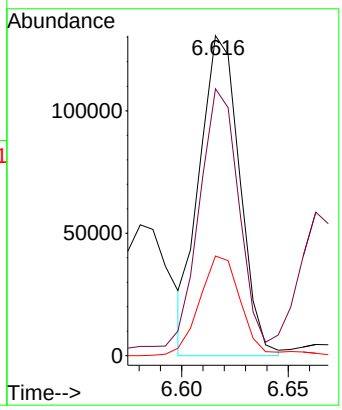





#11
bis(2-Chloroethyl)ether
Concen: 45.250 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 93 Resp: 17114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.4 | 65.3 | 105.3 |
| 95 | 31.2 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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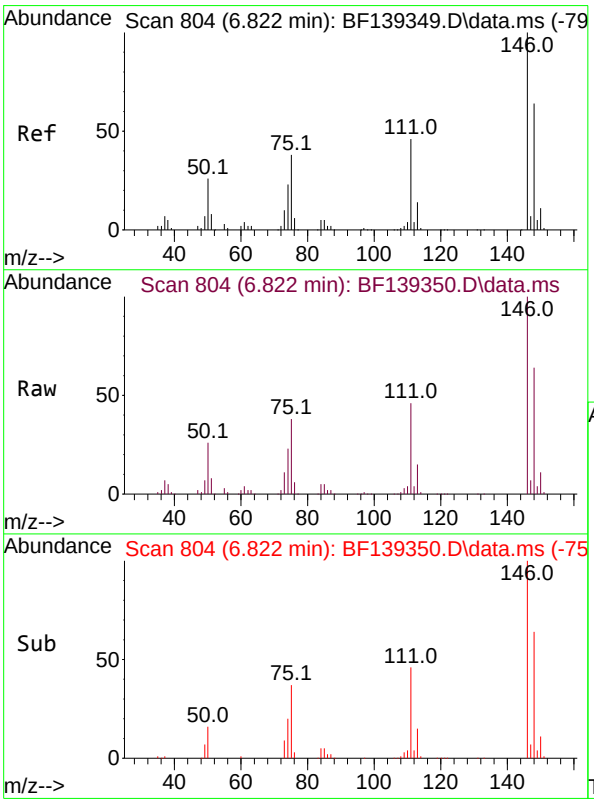
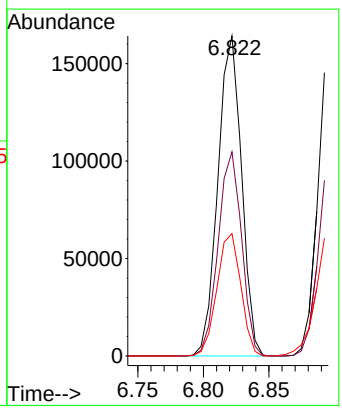
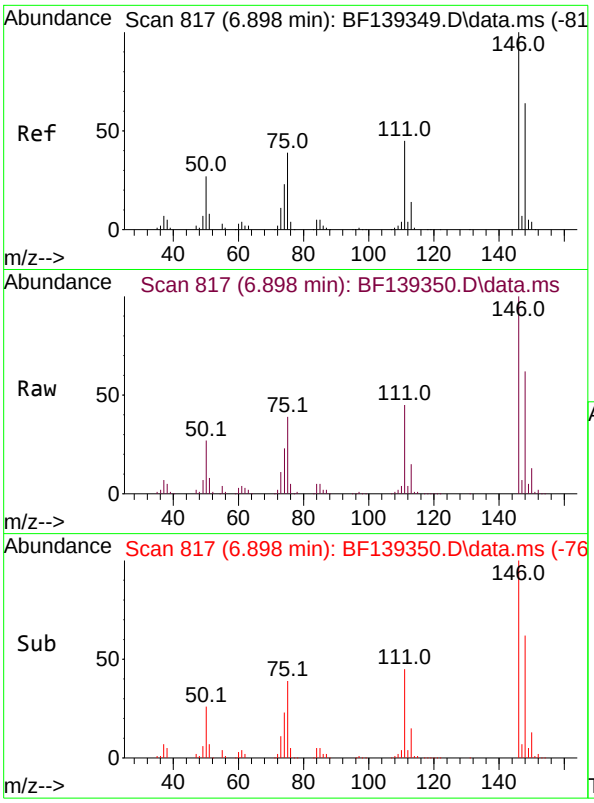



#12
1,3-Dichlorobenzene
Concen: 47.192 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:146 Resp: 205651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.2 | 76.8 |
| 75 | 38.2 | 30.6 | 46.0 |

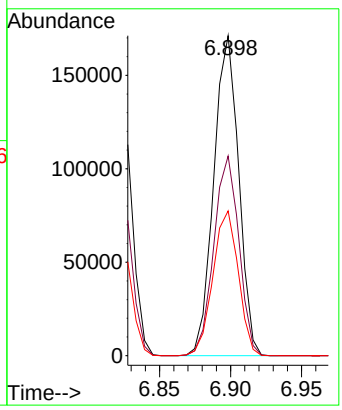





#13
1,4-Dichlorobenzene
Concen: 47.460 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:146 Resp: 20900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.4 | 50.9 | 76.3 |
| 111 | 45.3 | 36.3 | 54.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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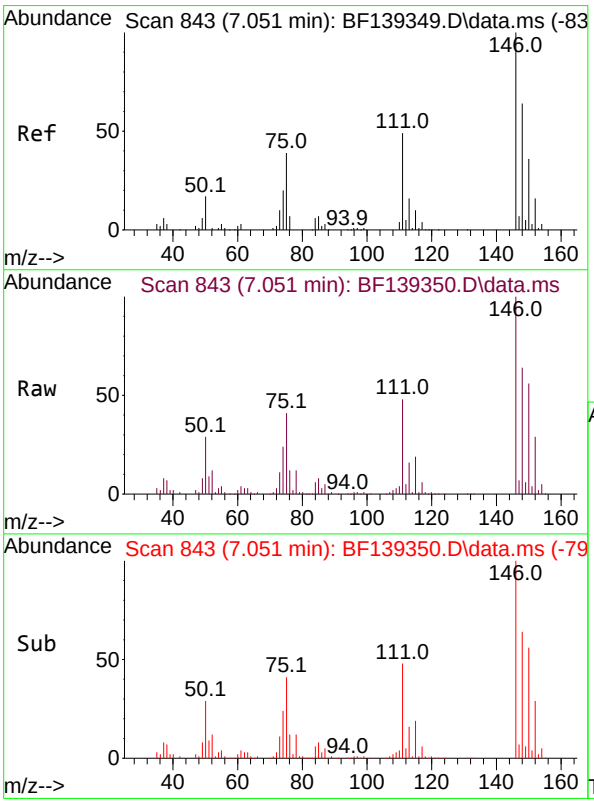
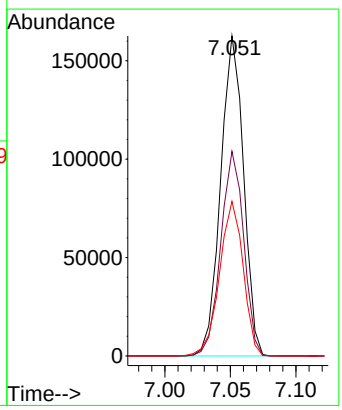
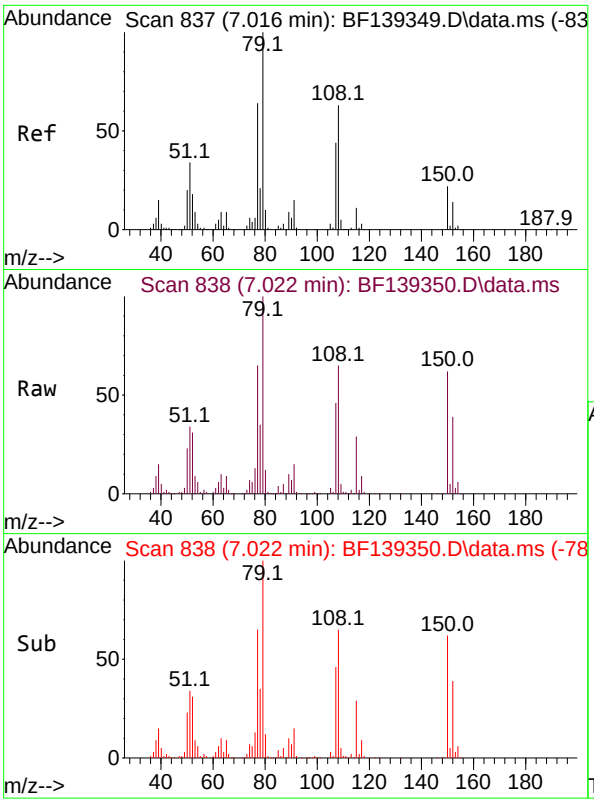



#14
1,2-Dichlorobenzene
Concen: 47.464 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:146 Resp: 197506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.9 | 76.3 |
| 111 | 48.3 | 38.9 | 58.3 |






#15
Benzyl Alcohol
Concen: 47.524 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 79 Resp: 18525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 65.0 | 50.4 | 75.6 |
| 77 | 65.3 | 51.4 | 77.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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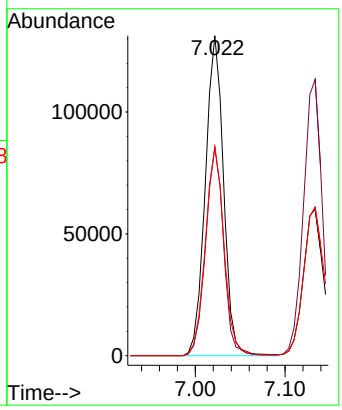
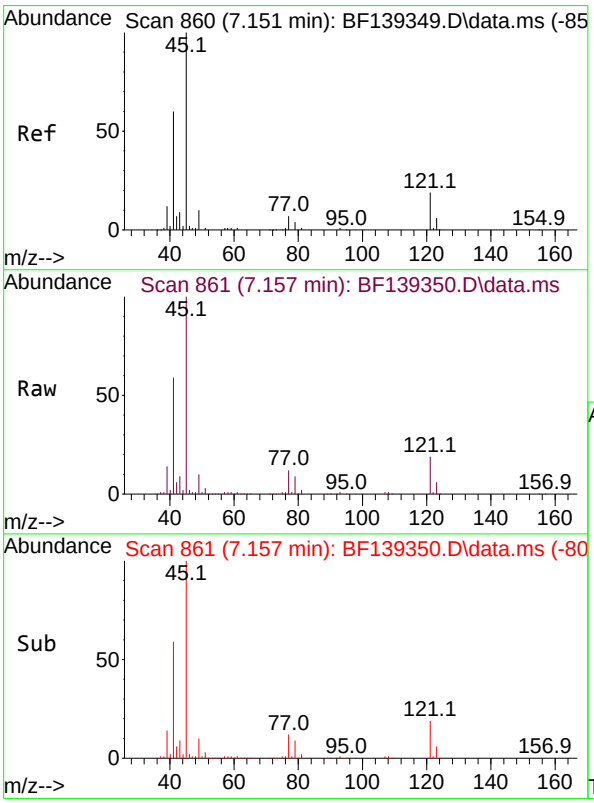
Supervised By :mohammad ahmed 09/16/2024

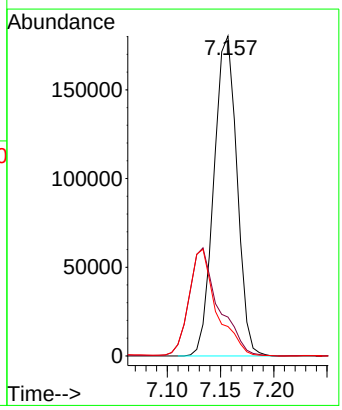


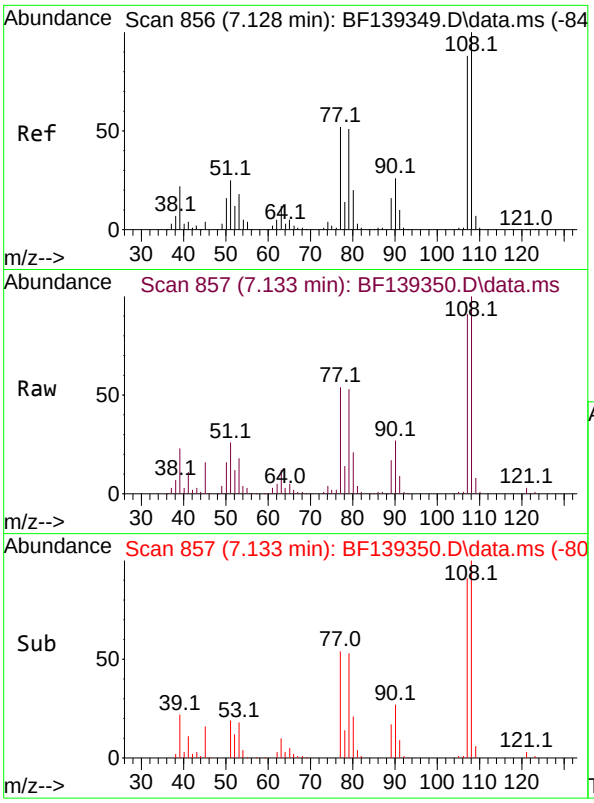




#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.635 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 45 Resp: 271832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.1 | 0.0 | 32.0 |
| 79 | 9.2 | 0.0 | 29.1 |

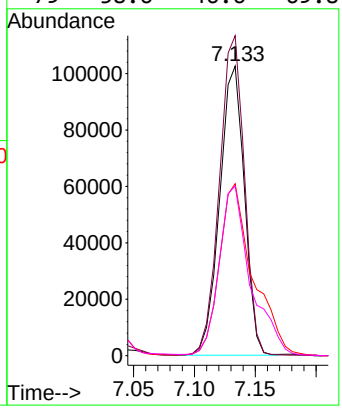





#17
2-Methylphenol
Concen: 47.496 ng
RT: 7.133 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:107 Resp: 14459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.5 | 90.5 | 135.7 |
| 77 | 59.4 | 47.1 | 70.7 |
| 79 | 58.6 | 46.6 | 69.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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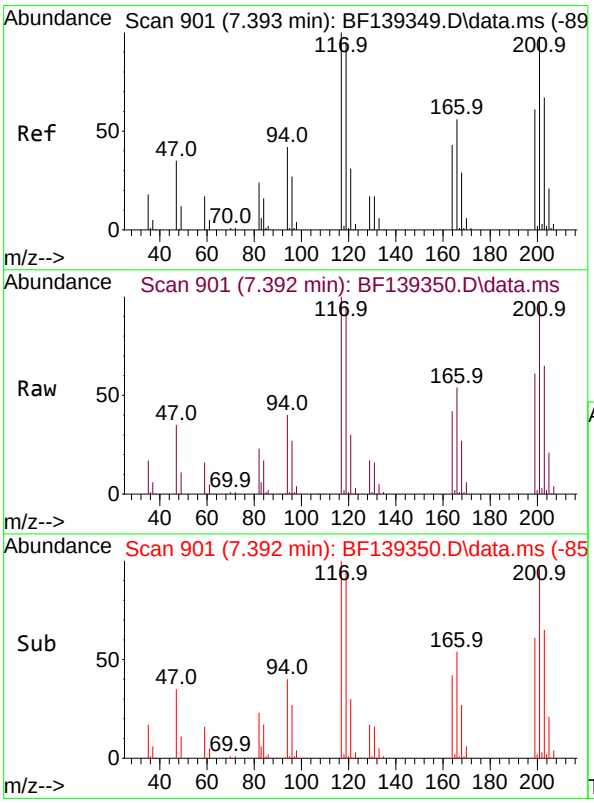
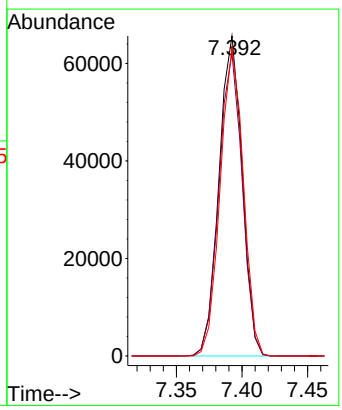
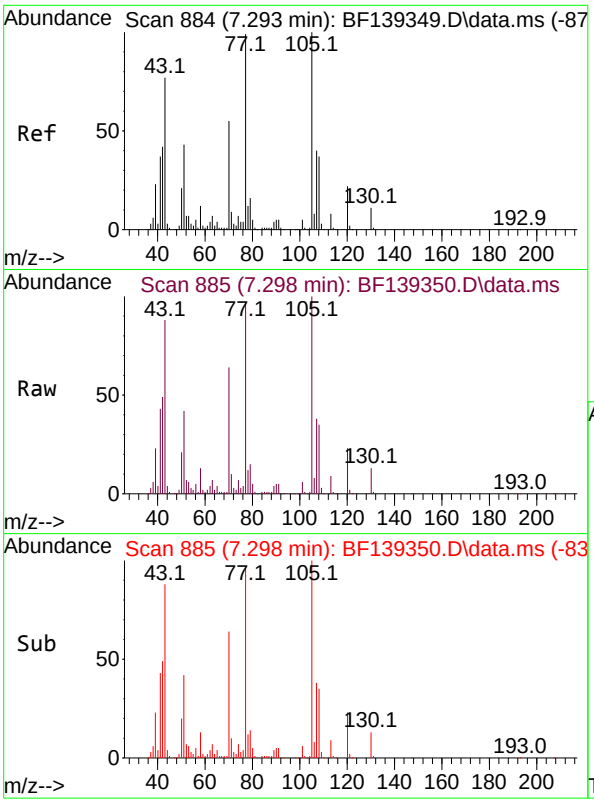



#18
Hexachloroethane
Concen: 48.099 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:117 Resp: 80677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 75.8 | 113.8 |
| 201 | 96.4 | 78.6 | 118.0 |

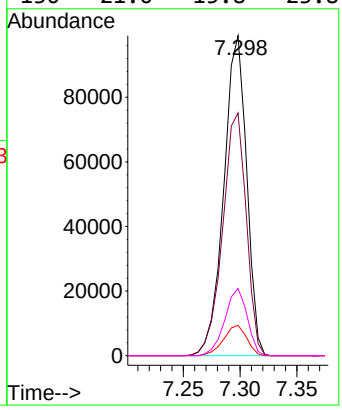





#19
n-Nitroso-di-n-propylamine
Concen: 47.836 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 70 Resp: 13850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 75.8 | 61.2 | 91.8 |
| 101 | 9.4 | 7.5 | 11.3 |
| 130 | 21.0 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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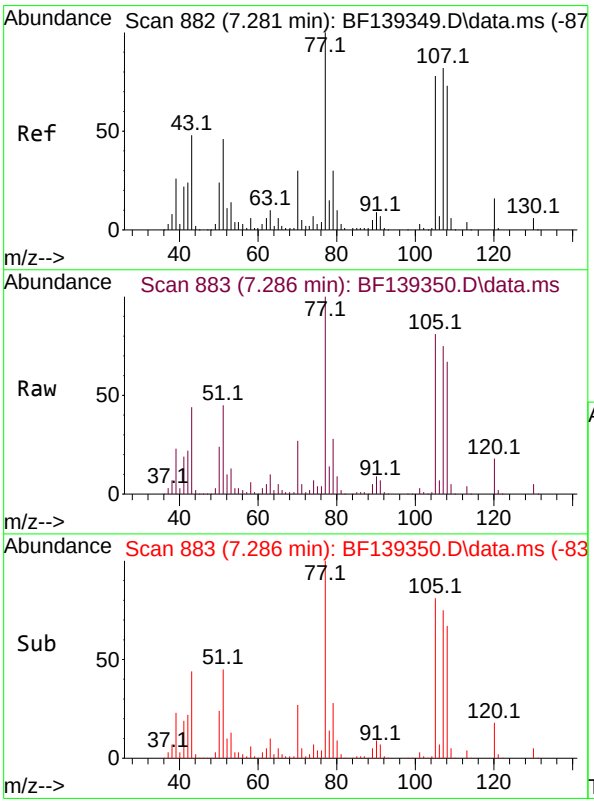
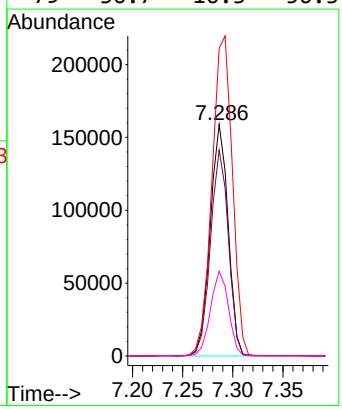
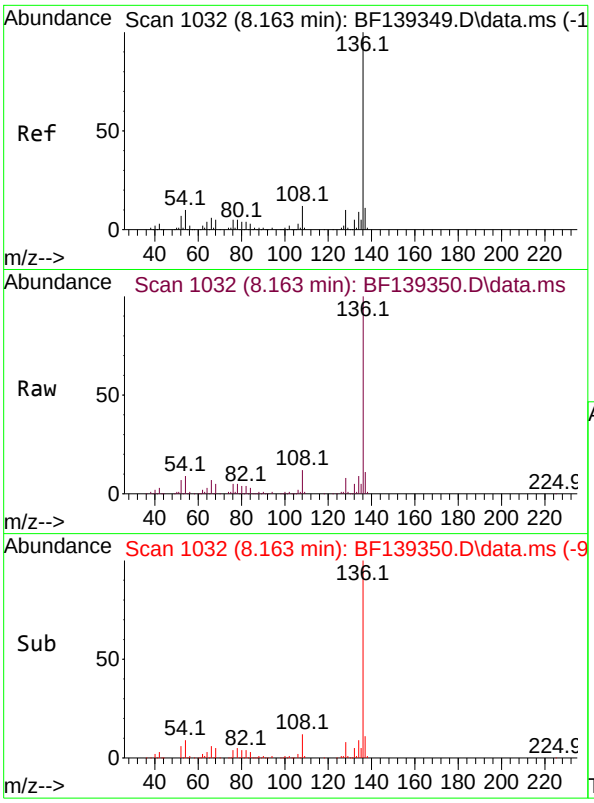



#20
3+4-Methylphenols
Concen: 47.737 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:107 Resp: 198277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.6 | 108.6 |
| 77 | 132.9 | 101.6 | 141.6 |
| 79 | 36.7 | 16.3 | 56.3 |

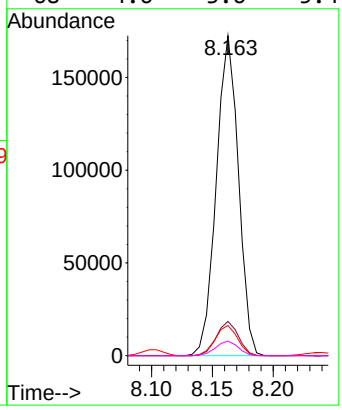





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:136 Resp: 21812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.6 | 12.8 |
| 54 | 9.4 | 7.8 | 11.8 |
| 68 | 4.6 | 3.6 | 5.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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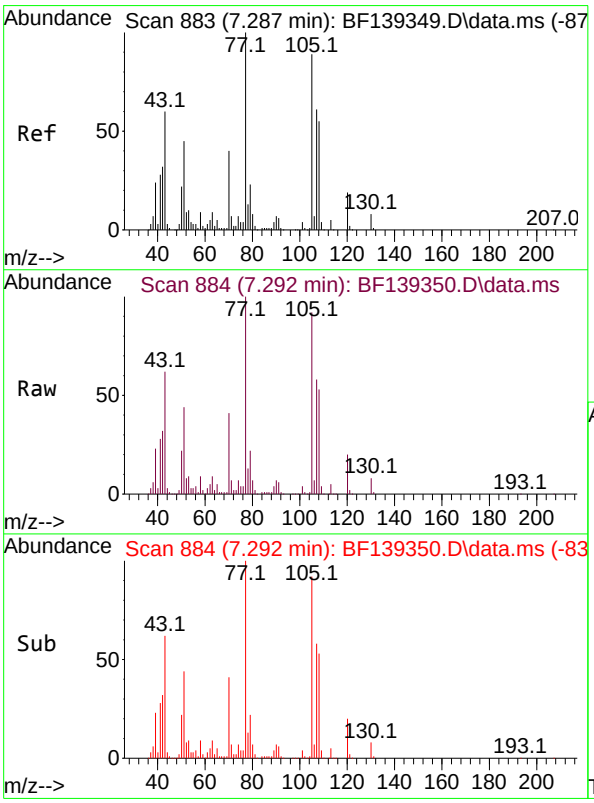
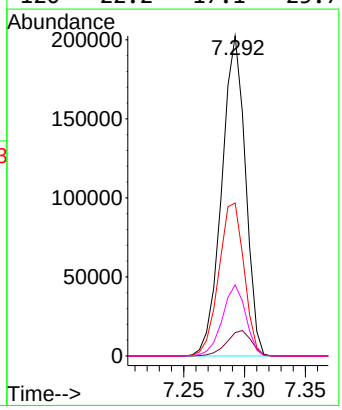
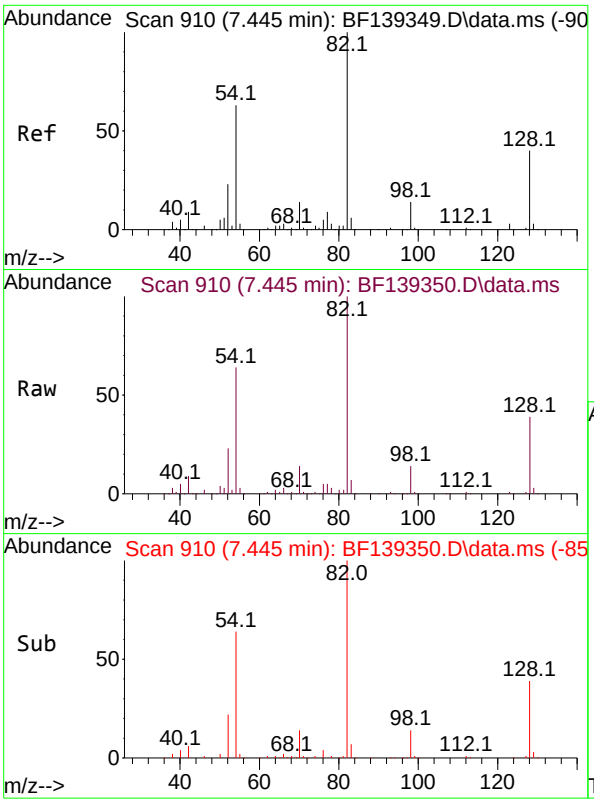



#22
Acetophenone
Concen: 48.008 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:105 Resp: 273758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.3 | 5.9 | 8.9 |
| 51 | 47.8 | 40.0 | 60.0 |
| 120 | 22.2 | 17.1 | 25.7 |

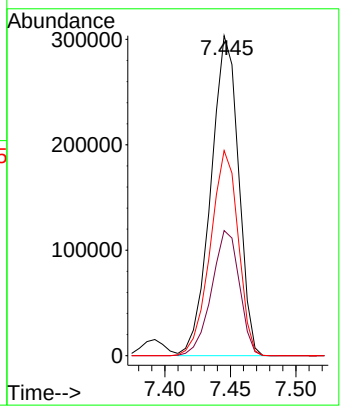





#23
Nitrobenzene-d5
Concen: 96.004 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 82 Resp: 44543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 31.8 | 47.6 |
| 54 | 64.1 | 50.6 | 75.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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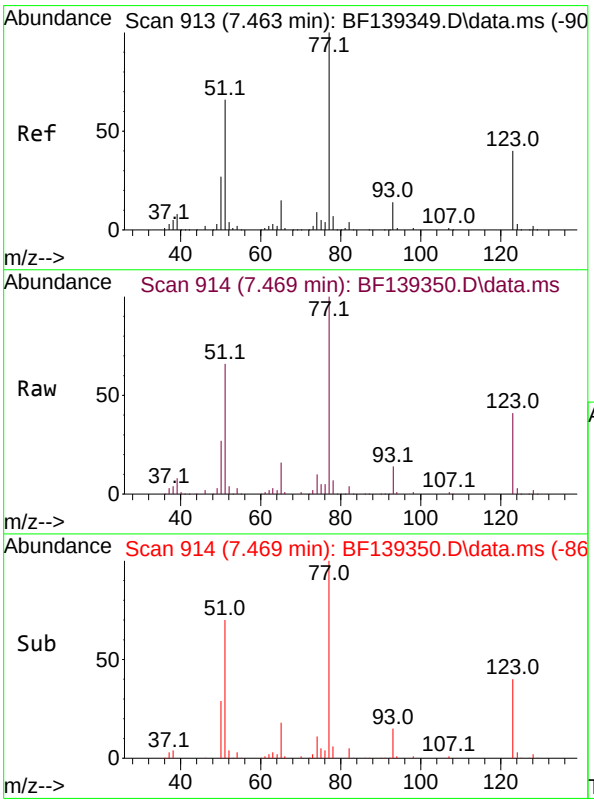
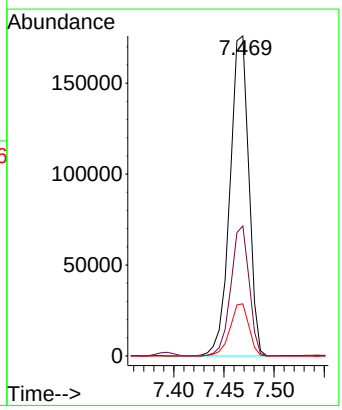
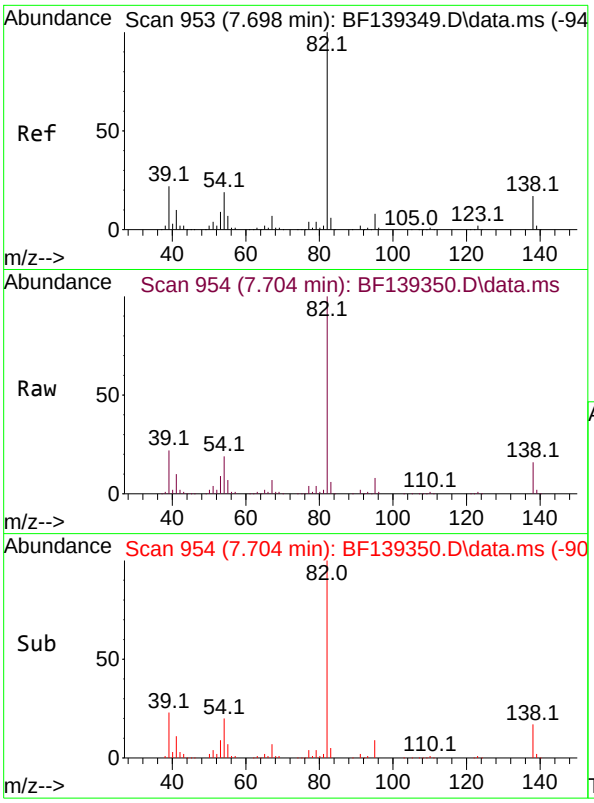



#24
Nitrobenzene
Concen: 48.198 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 77 Resp: 230160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 40.6 | 32.2 | 48.4 |
| 65 | 16.3 | 12.2 | 18.4 |

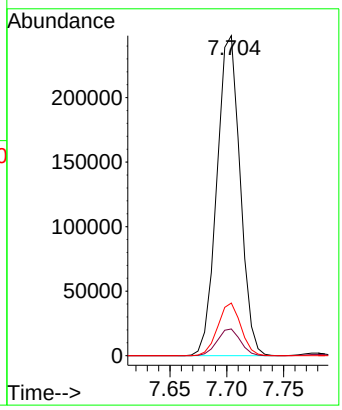





#25
Isophorone
Concen: 48.085 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 82 Resp: 35284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.7 | 10.1 |
| 138 | 16.4 | 13.3 | 19.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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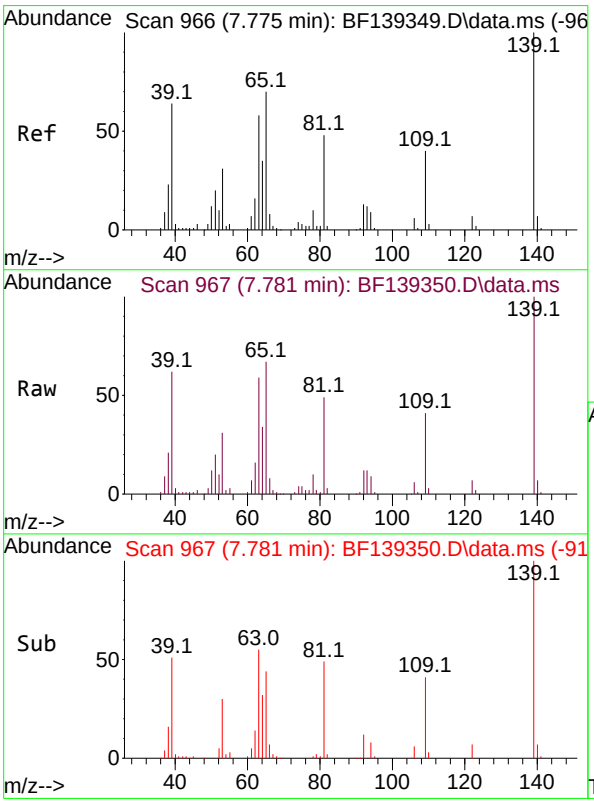
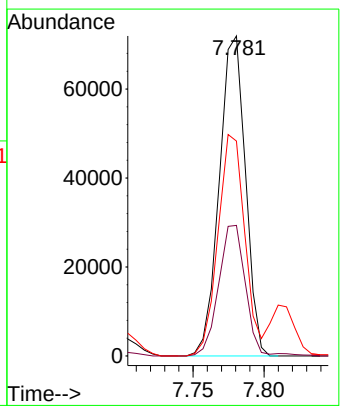
Supervised By :mohammad ahmed 09/16/2024

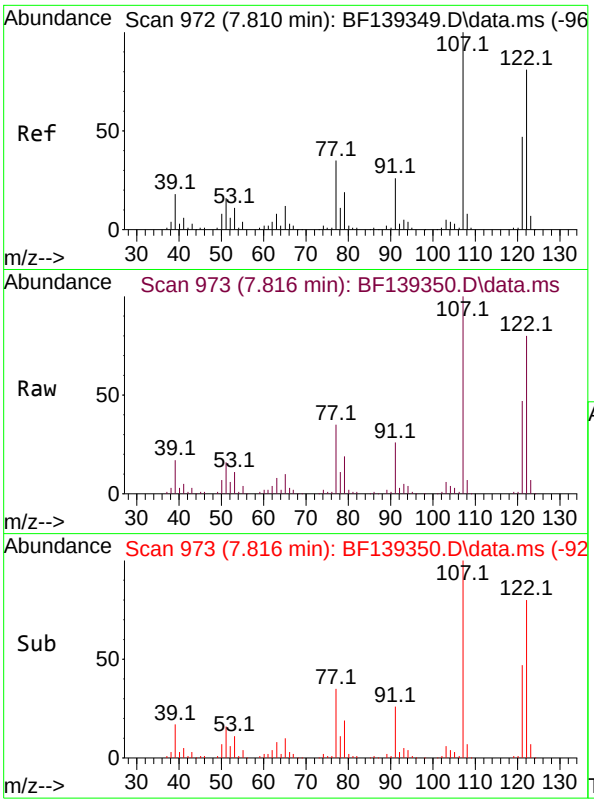



#26
2-Nitrophenol
Concen: 49.564 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:139 Resp: 92210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 40.8 | 32.2 | 48.2 |
| 65 | 67.2 | 55.8 | 83.8 |

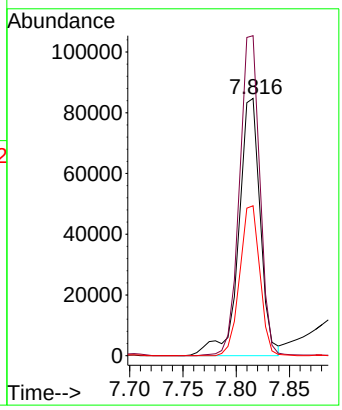





#27
2,4-Dimethylphenol
Concen: 48.567 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:122 Resp: 11918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 124.4 | 99.1 | 148.7 |
| 121 | 58.3 | 46.6 | 70.0 |




**Instrument :**
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SSTDICC050

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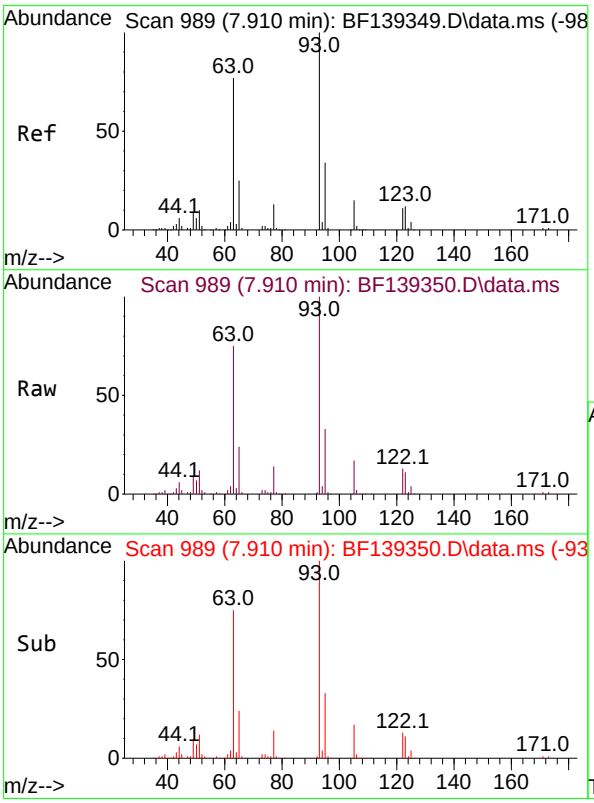
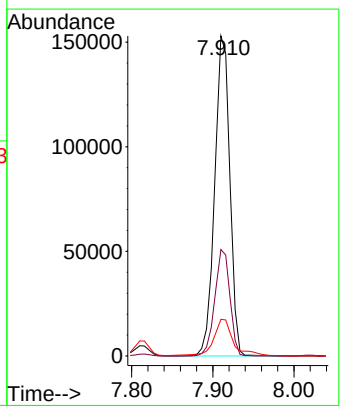
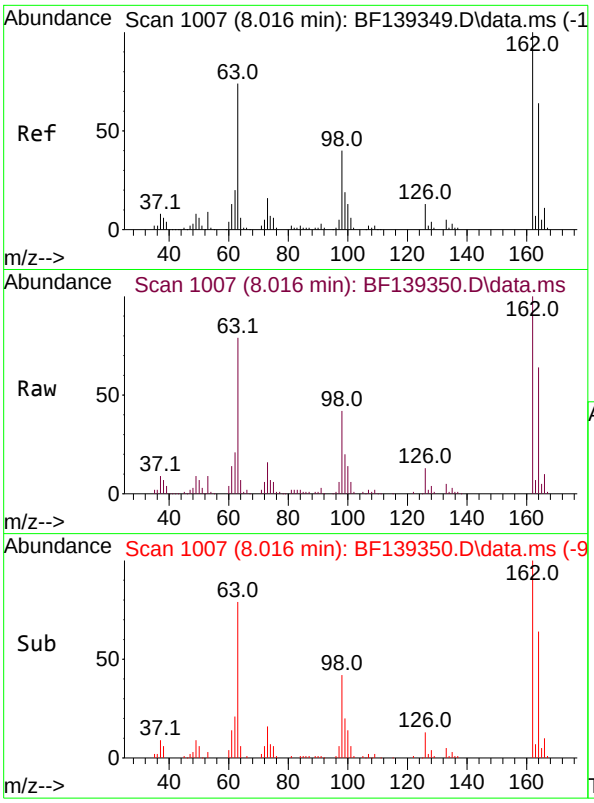



#28
bis(2-Chloroethoxy)methane
Concen: 47.425 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 93 Resp: 198334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 26.9 | 40.3 |
| 123 | 11.4 | 10.0 | 15.0 |

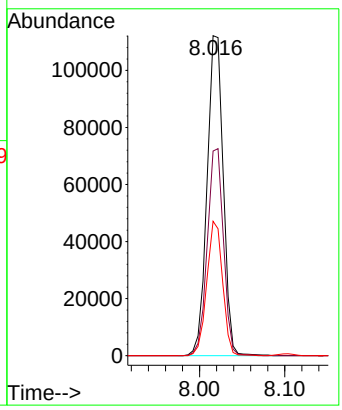





#29
2,4-Dichlorophenol
Concen: 47.525 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:162 Resp: 14816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.6 | 83.6 |
| 98 | 42.0 | 19.7 | 59.7 |




**Instrument :**
BNA_F
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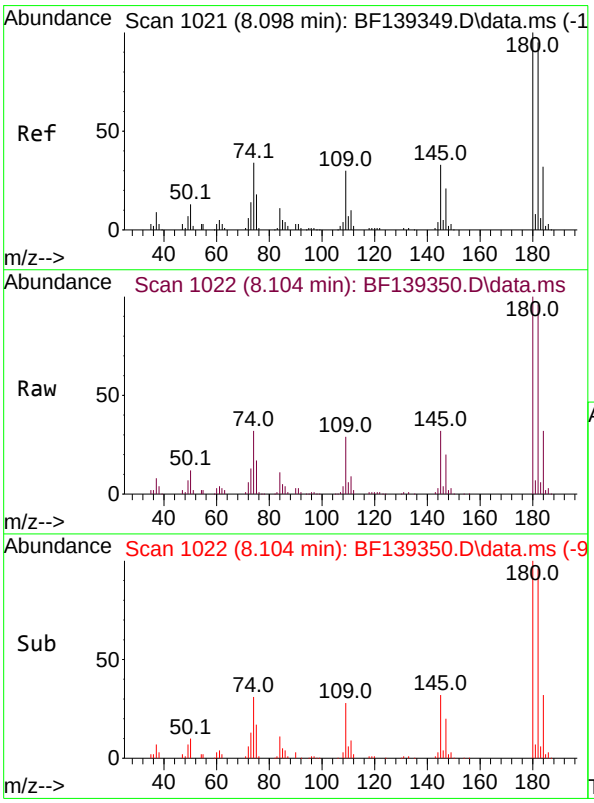
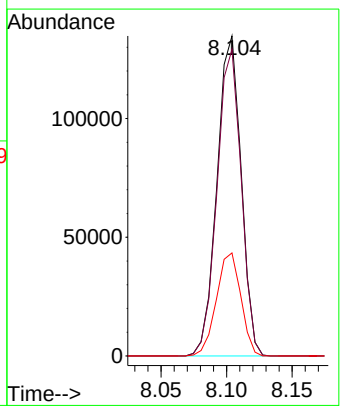
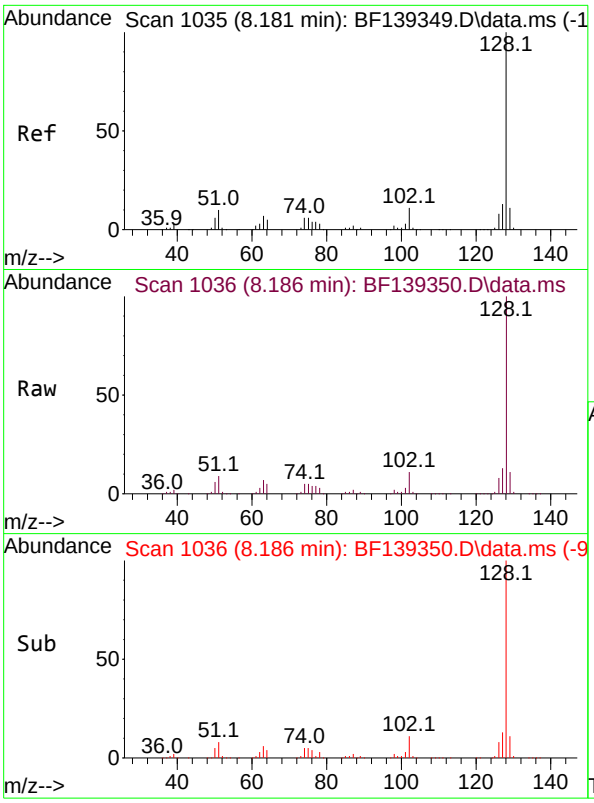



#30
1,2,4-Trichlorobenzene
Concen: 47.393 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:180 Resp: 172156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 75.7 | 113.5 |
| 145 | 32.2 | 26.5 | 39.7 |

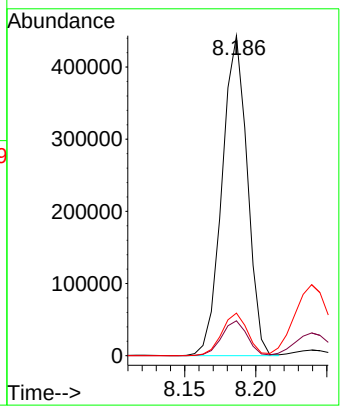





#31
Naphthalene
Concen: 48.024 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:128 Resp: 54686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 13.0 |
| 127 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
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SSTDICC050

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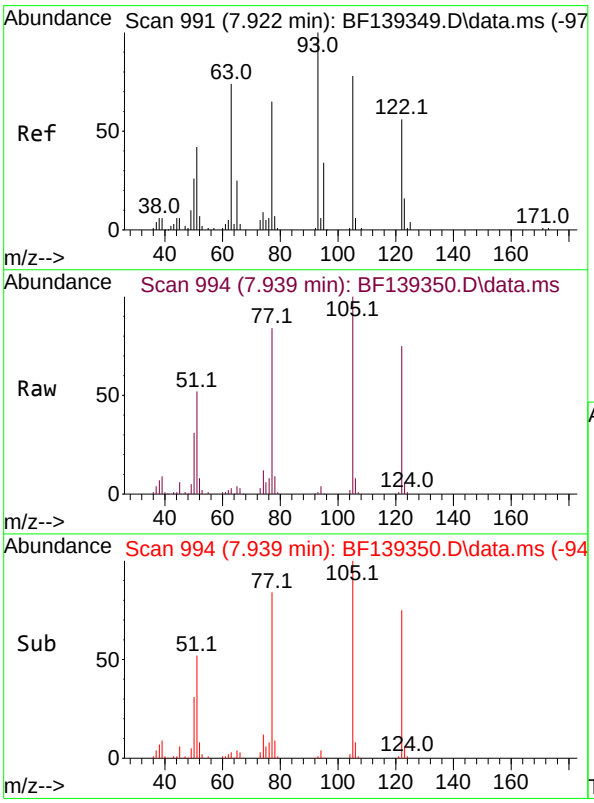
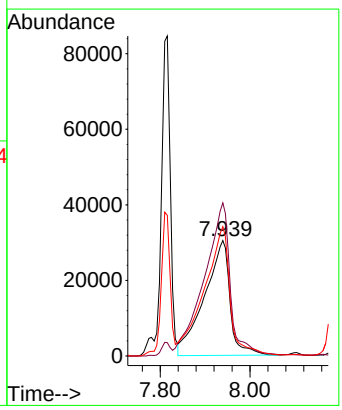
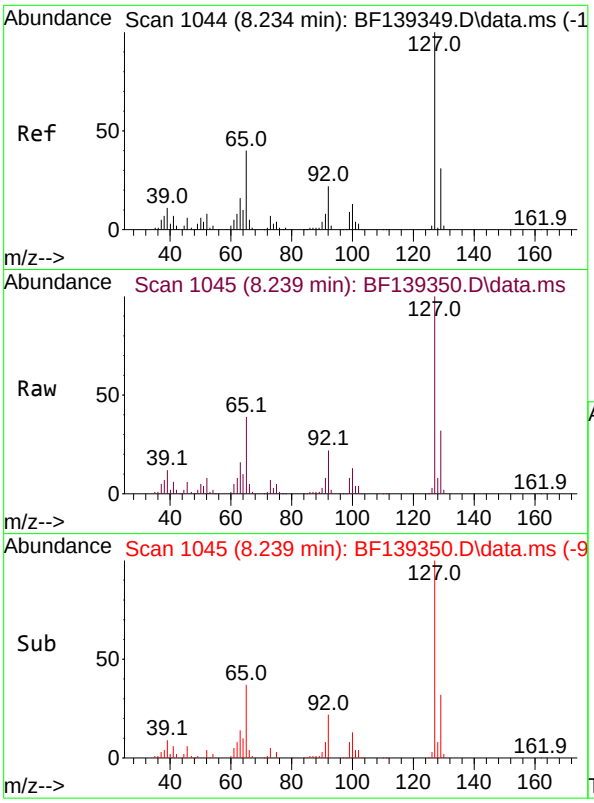



#32
Benzoic acid
Concen: 52.273 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.017 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:122 Resp: 120521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 132.7 | 117.1 | 157.1 |
| 77 | 112.1 | 95.4 | 135.4 |

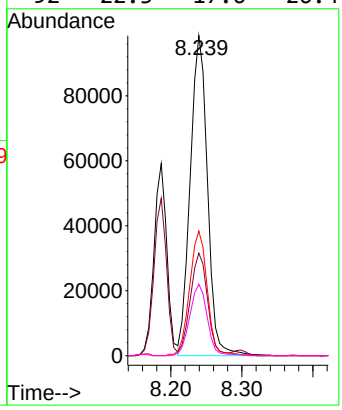





#33
4-Chloroaniline
Concen: 47.818 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:127 Resp: 16658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.5 | 38.3 |
| 65 | 38.9 | 31.5 | 47.3 |
| 92 | 22.3 | 17.6 | 26.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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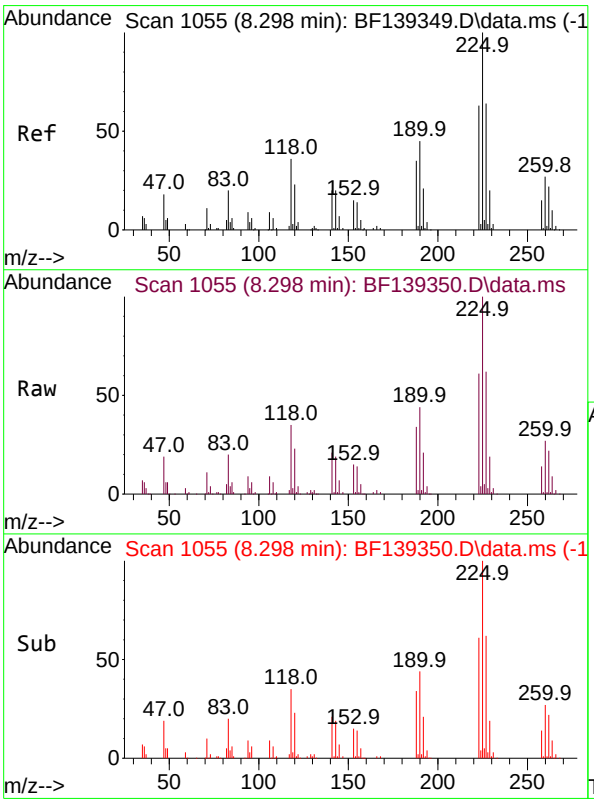
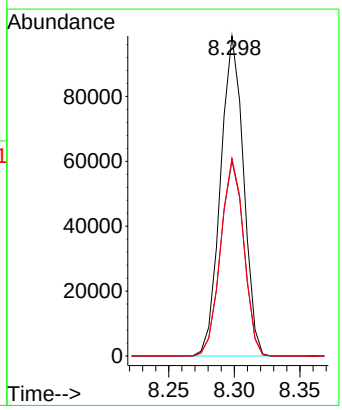
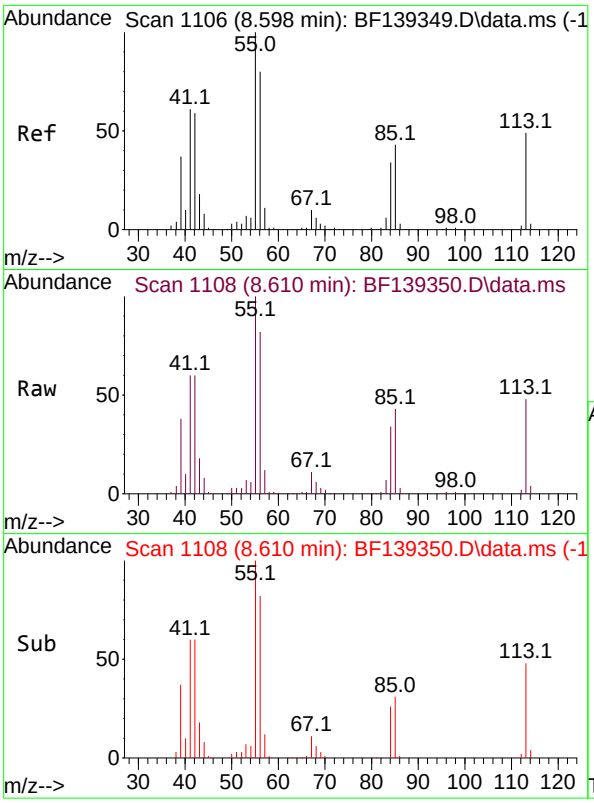



#34
Hexachlorobutadiene
Concen: 48.681 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:225 Resp: 120140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.0 | 50.1 | 75.1 |
| 227 | 61.8 | 51.0 | 76.6 |

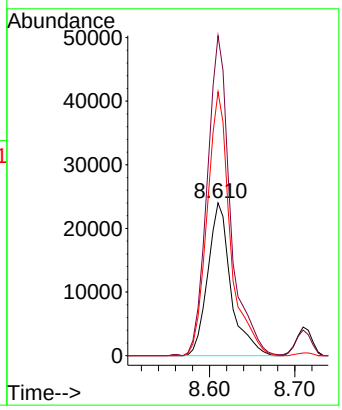





#35
Caprolactam
Concen: 47.092 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:113 Resp: 4516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 209.4 | 186.1 | 226.1 |
| 56 | 172.7 | 144.9 | 184.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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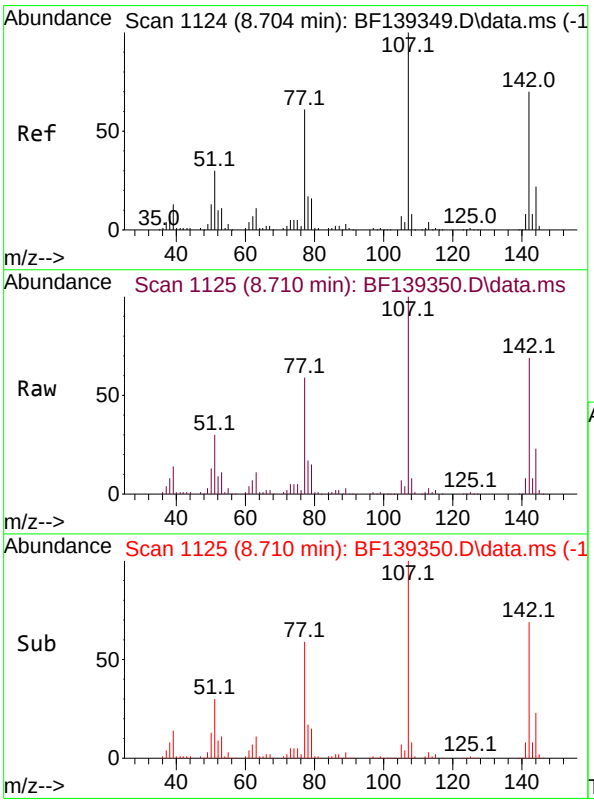
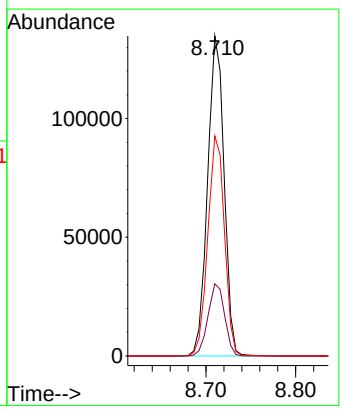
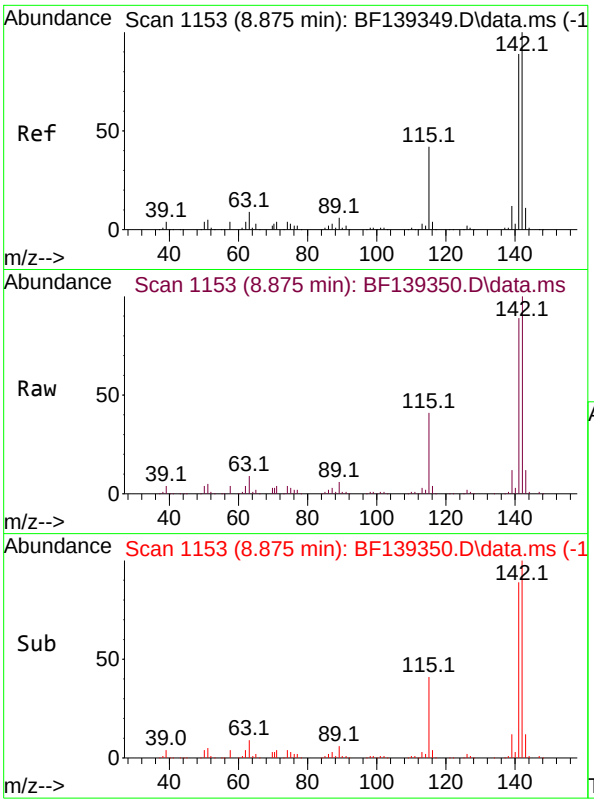



#36
4-Chloro-3-methylphenol
Concen: 48.284 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:107 Resp: 172036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.6 | 17.5 | 26.3 |
| 142 | 68.8 | 55.8 | 83.8 |

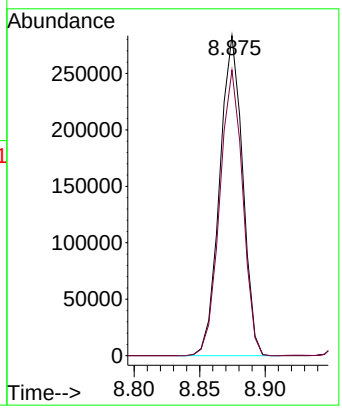





#37
2-Methylnaphthalene
Concen: 47.601 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:142 Resp: 34405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.6 | 107.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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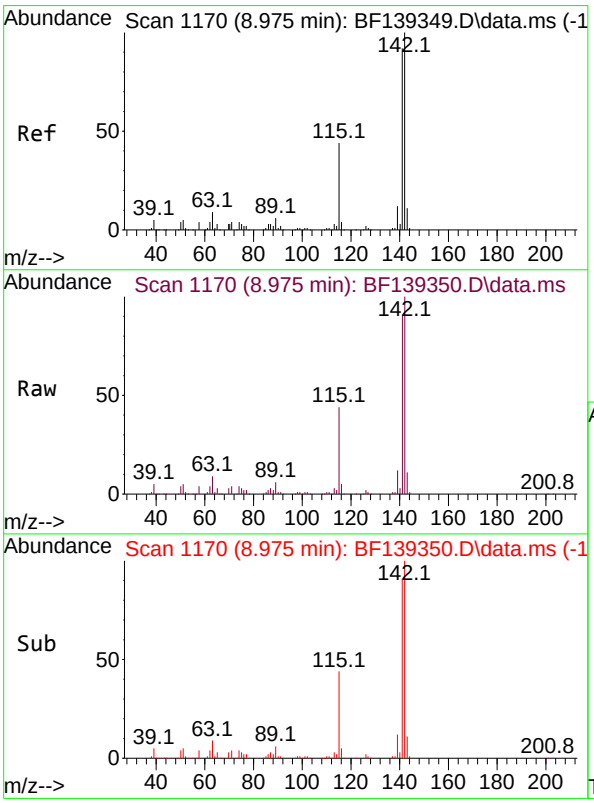
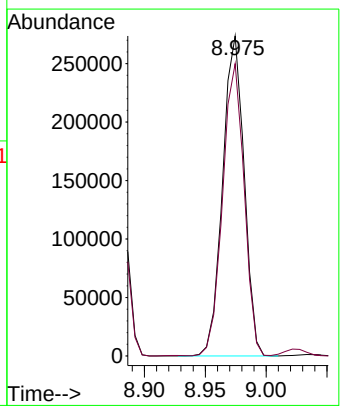
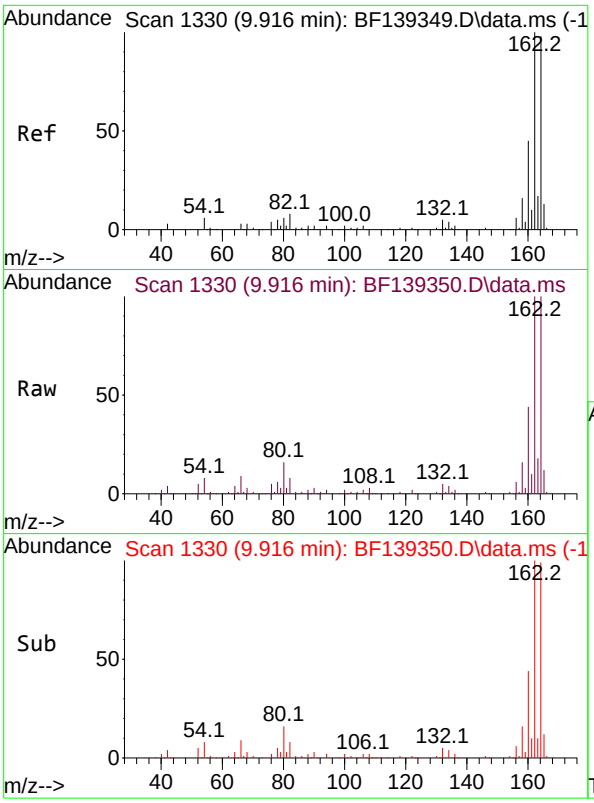



#38
1-Methylnaphthalene
Concen: 47.357 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:142 Resp: 336046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.2 | 109.8 |

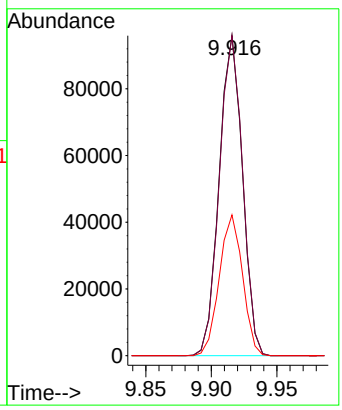





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:164 Resp: 11831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 81.3 | 121.9 |
| 160 | 44.0 | 36.4 | 54.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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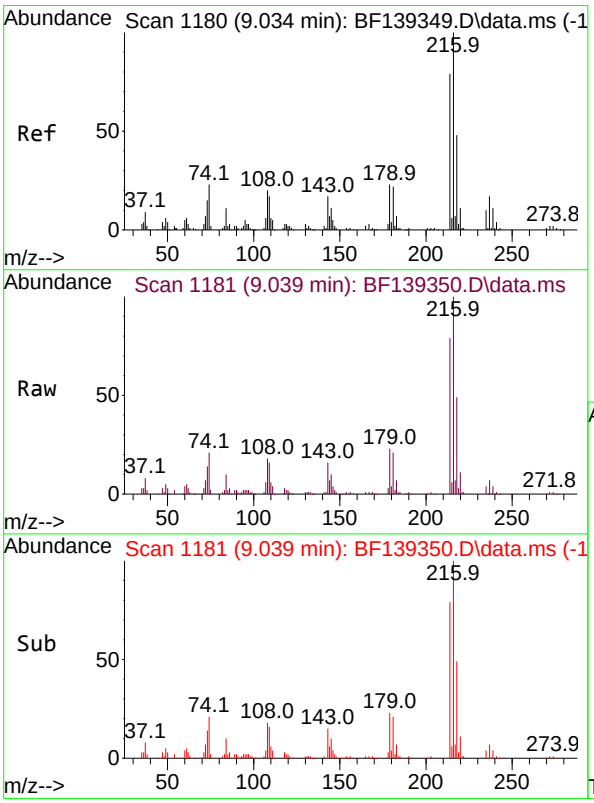
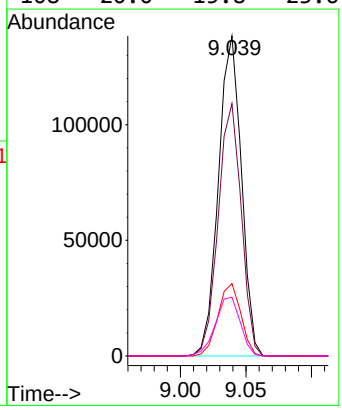
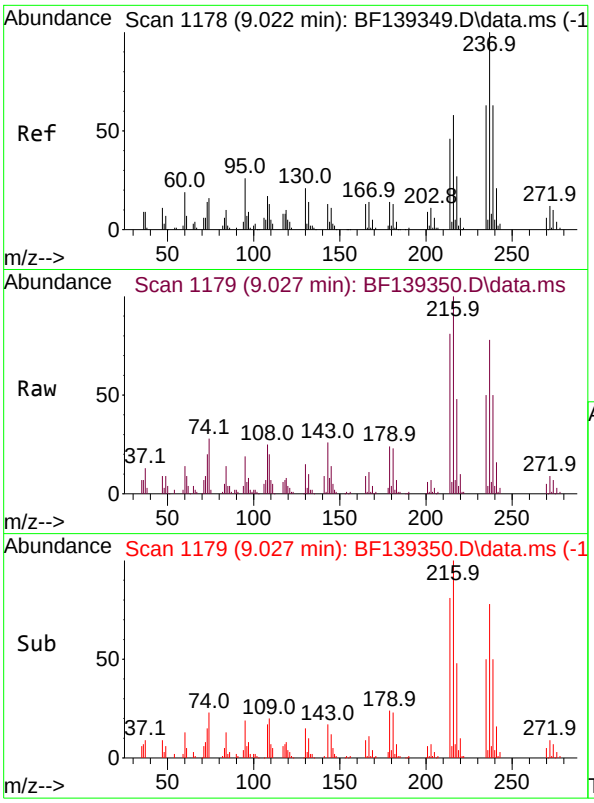



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.964 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:216 Resp: 168182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.4 | 95.0 |
| 179 | 22.7 | 18.2 | 27.2 |
| 108 | 20.0 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 50.004 ng
RT: 9.027 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:237 Resp: 6122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 42.7 | 82.7 |
| 272 | 11.7 | 0.0 | 32.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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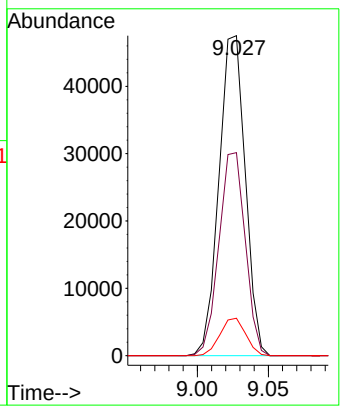
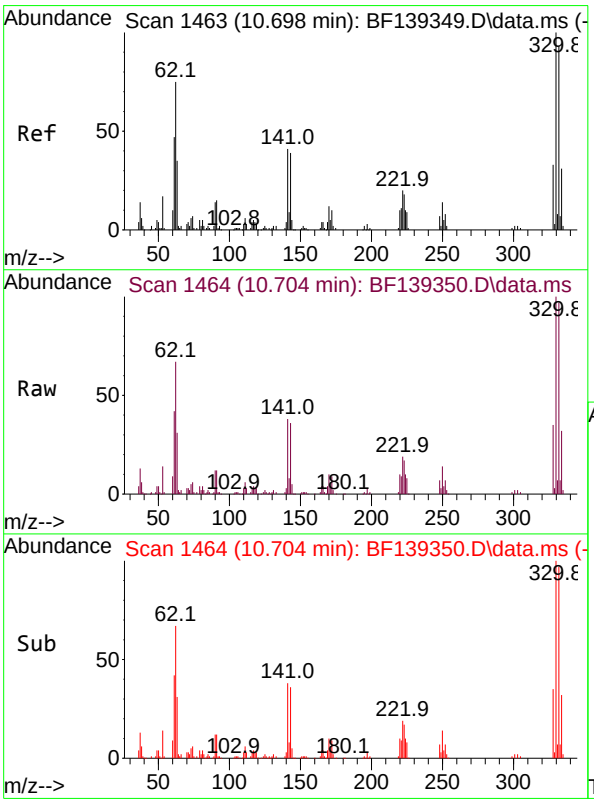
Supervised By :mohammad ahmed 09/16/2024

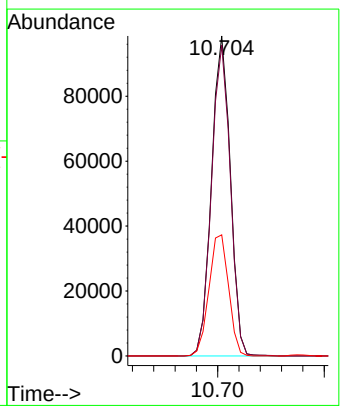


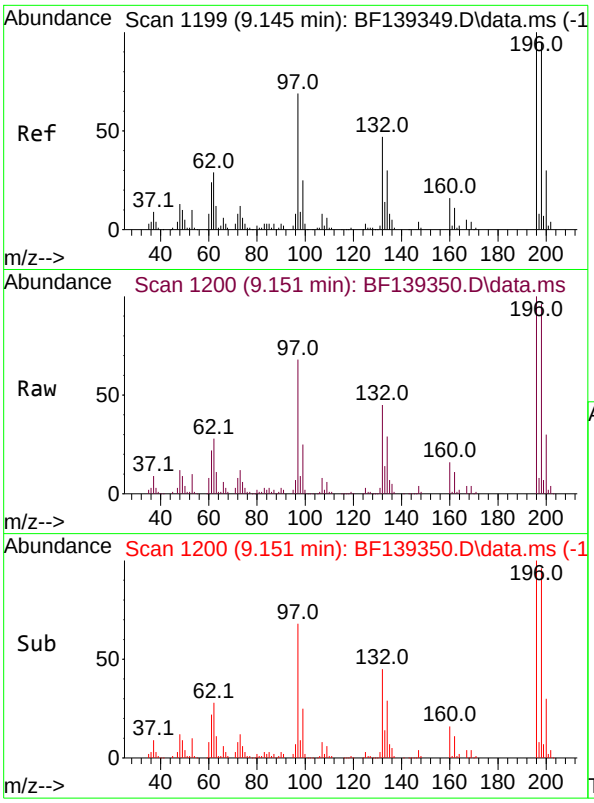




#42
2,4,6-Tribromophenol
Concen: 95.604 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:330 Resp: 120422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 75.2 | 112.8 |
| 141 | 39.7 | 31.2 | 46.8 |

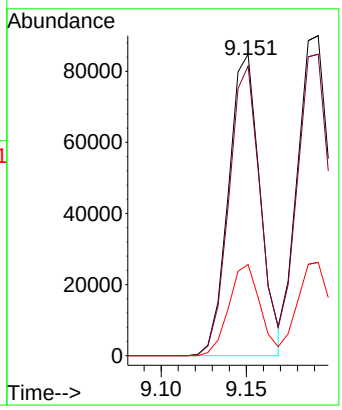





#43
2,4,6-Trichlorophenol
Concen: 47.923 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:196 Resp: 10932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 75.8 | 113.6 |
| 200 | 30.2 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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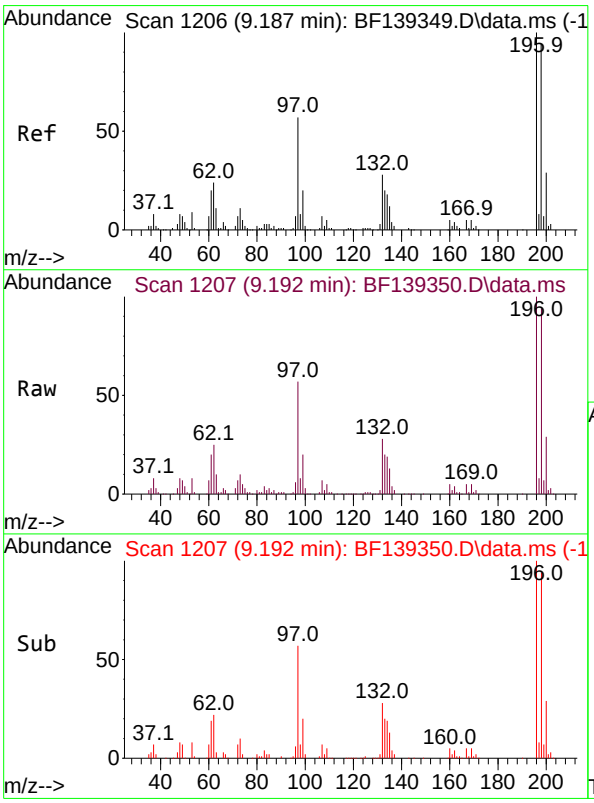
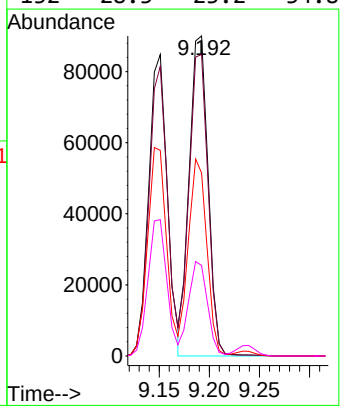
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

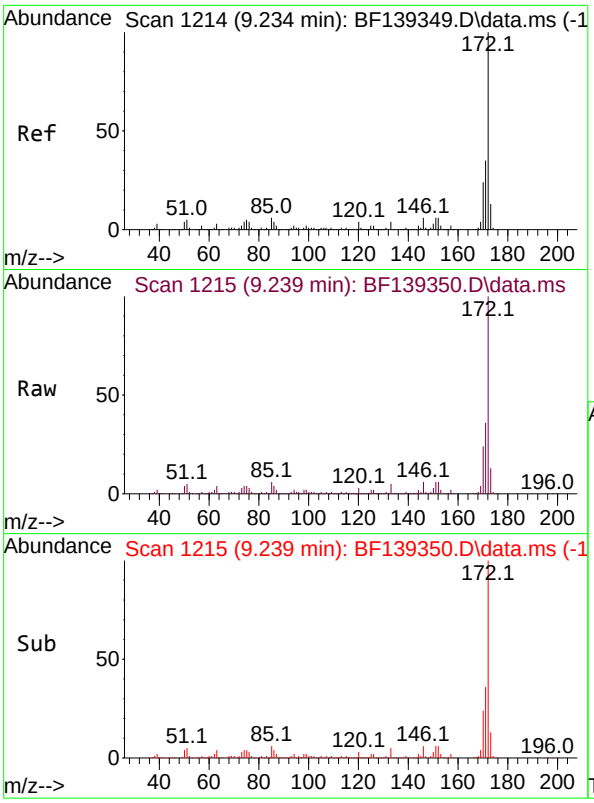



#44
2,4,5-Trichlorophenol
Concen: 49.117 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:196 Resp: 118193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.2 | 74.8 | 112.2 |
| 97 | 57.2 | 47.3 | 70.9 |
| 132 | 28.3 | 23.2 | 34.8 |

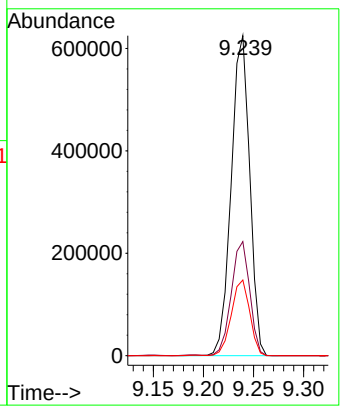





#45
2-Fluorobiphenyl
Concen: 95.192 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:172 Resp: 80302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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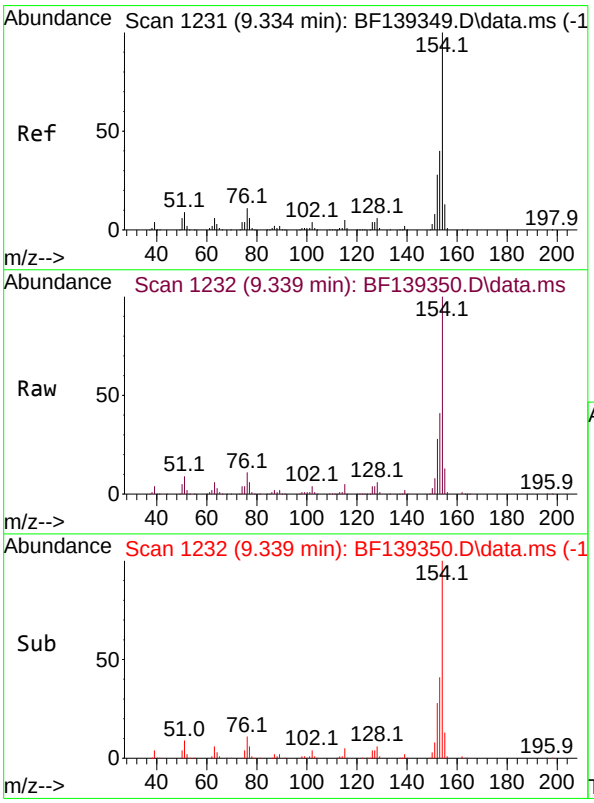
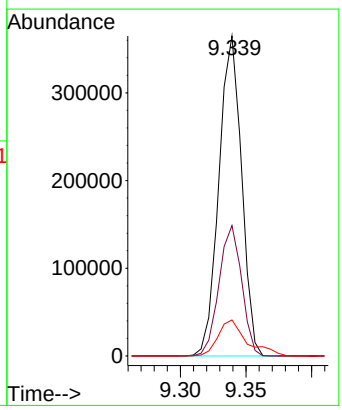
Supervised By :mohammad ahmed 09/16/2024

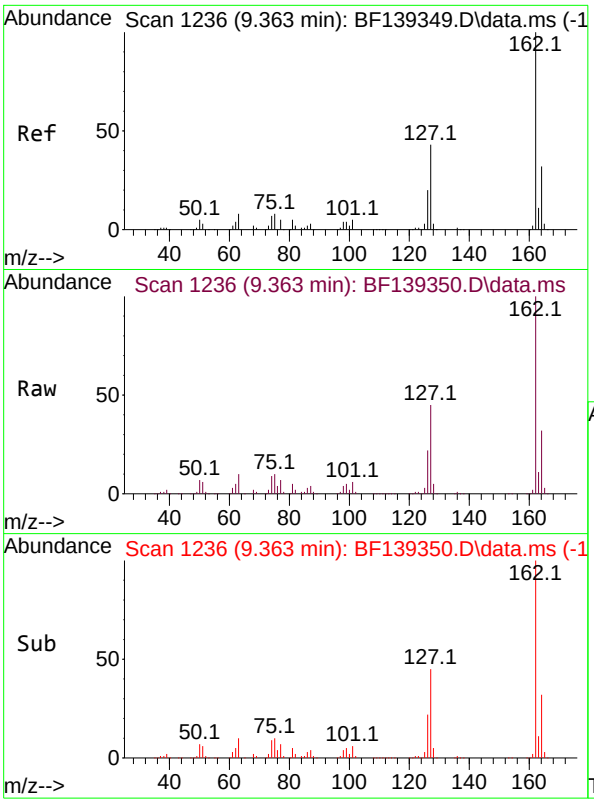



#46
1,1'-Biphenyl
Concen: 48.070 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:154 Resp: 437548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.1 | 60.1 |
| 76 | 11.2 | 0.0 | 31.1 |

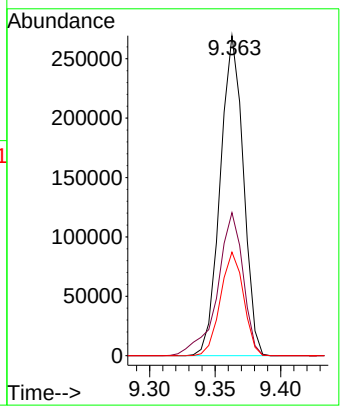





#47
2-Chloronaphthalene
Concen: 48.505 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:162 Resp: 330109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.7 | 35.0 | 52.4 |
| 164 | 32.4 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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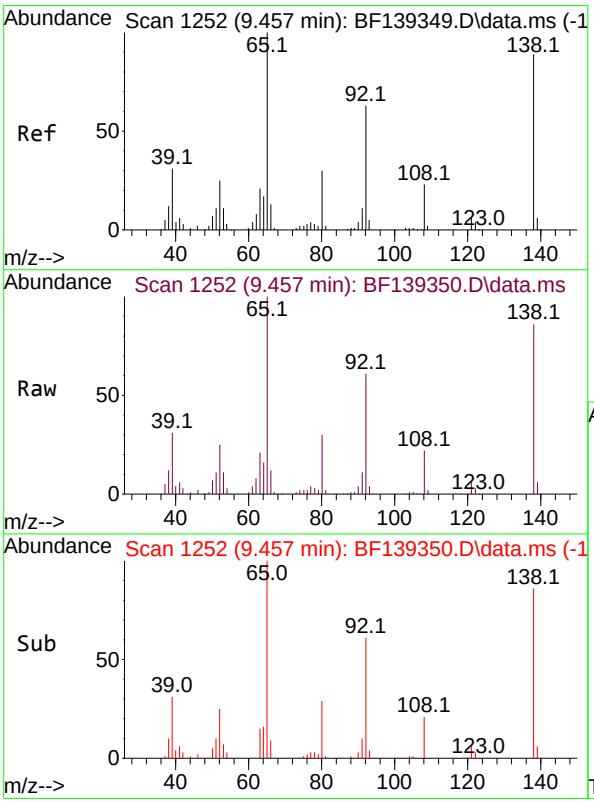
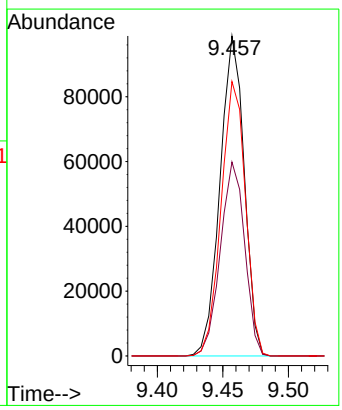
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

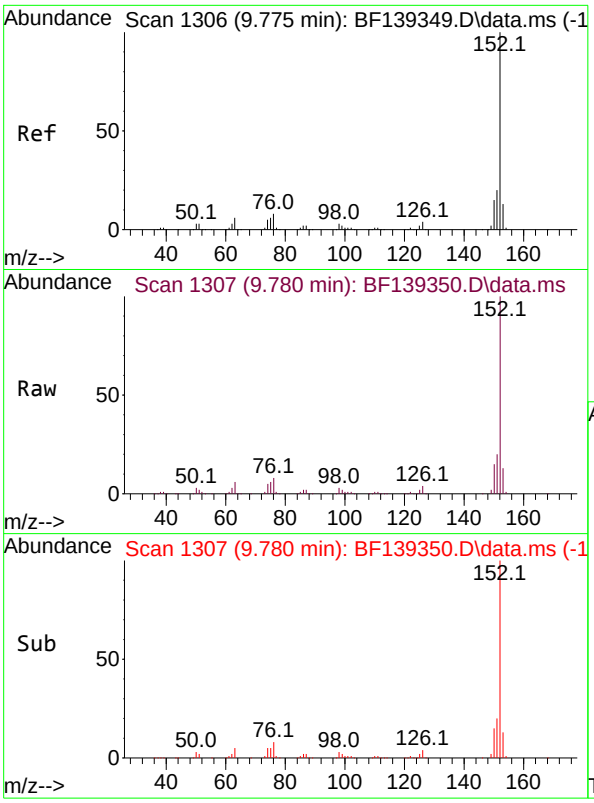



#48
2-Nitroaniline
Concen: 49.987 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 65 Resp: 126535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.6 | 50.3 | 75.5 |
| 138 | 85.7 | 71.3 | 106.9 |

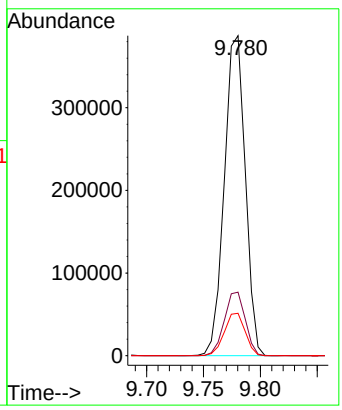





#49
Acenaphthylene
Concen: 48.531 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:152 Resp: 49718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.2 | 24.2 |
| 153 | 13.2 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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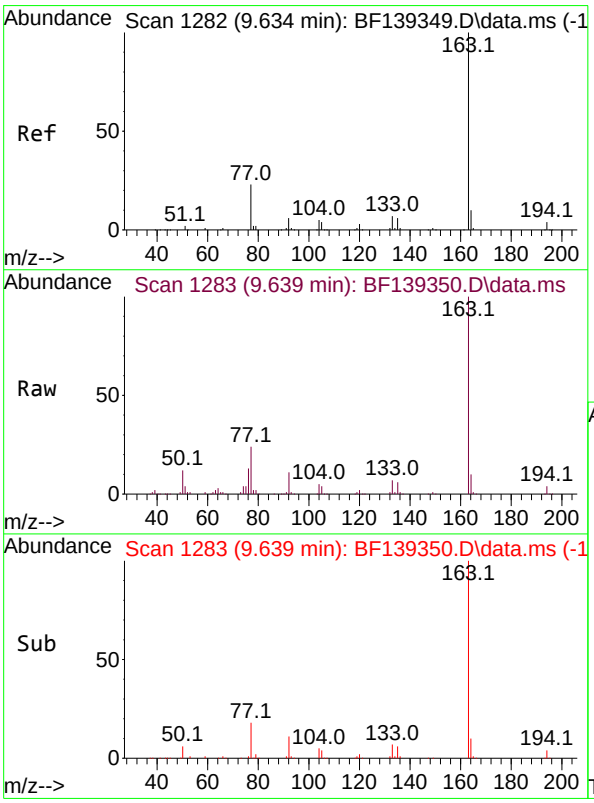
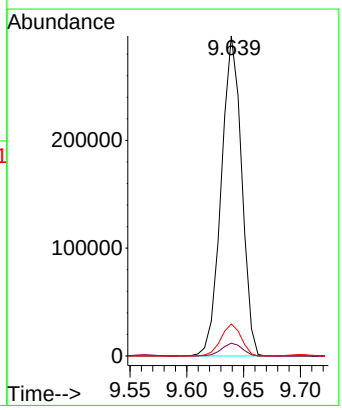
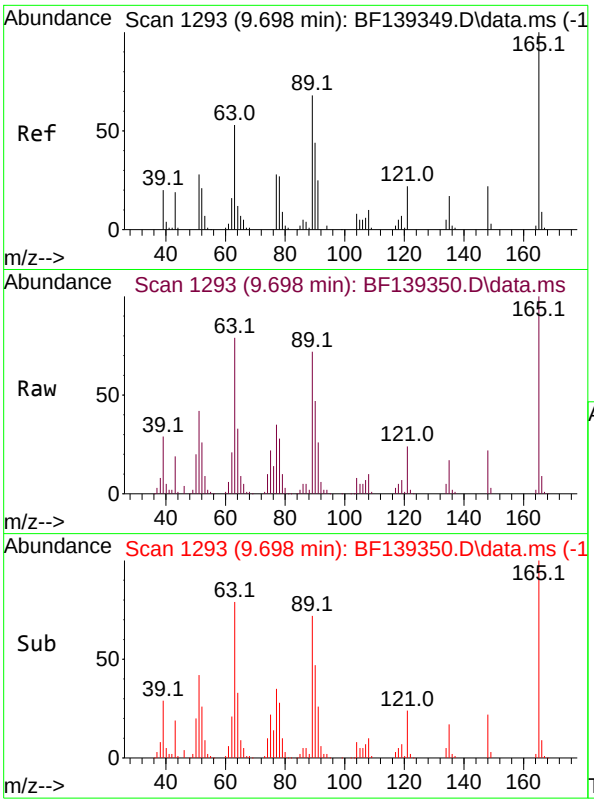



#50
Dimethylphthalate
Concen: 47.723 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:163 Resp: 370588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.0 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 49.939 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:165 Resp: 8591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 79.2 | 60.9 | 91.3 |
| 89 | 71.7 | 54.7 | 82.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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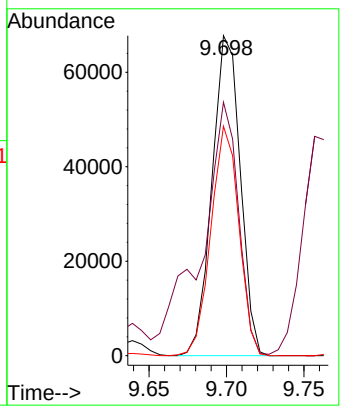
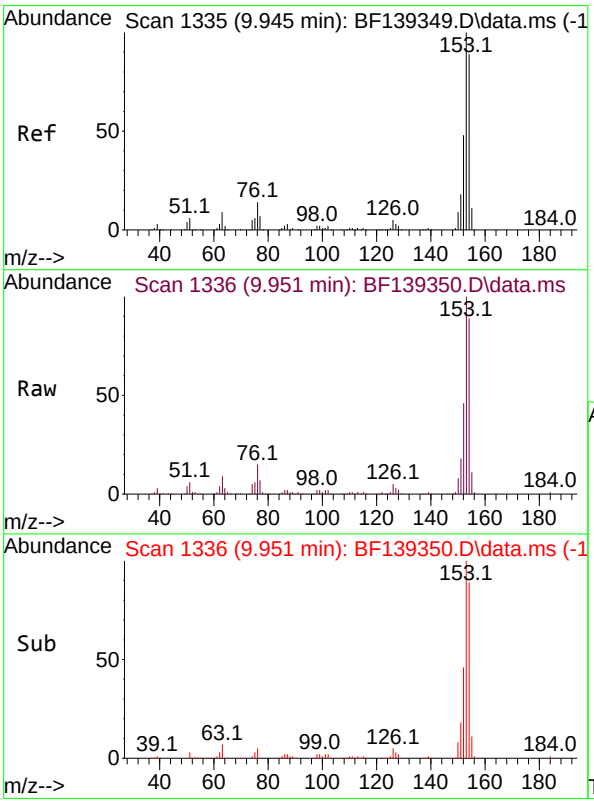
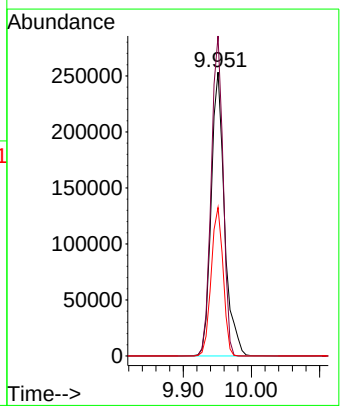


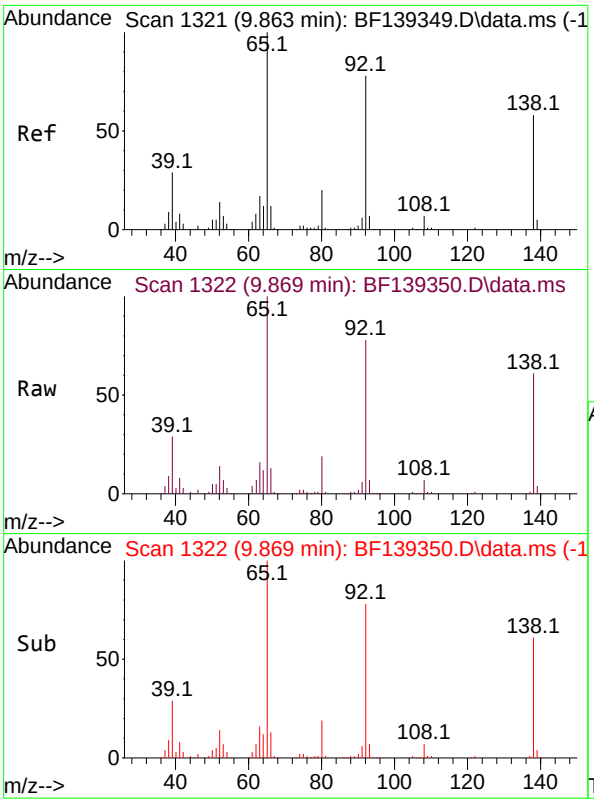




#52
Acenaphthene
Concen: 48.356 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:154 Resp: 345749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 89.5 | 134.3 |
| 152 | 52.3 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 48.815 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:138 Resp: 8392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.7 | 9.8 | 14.8 |
| 92 | 128.9 | 107.4 | 161.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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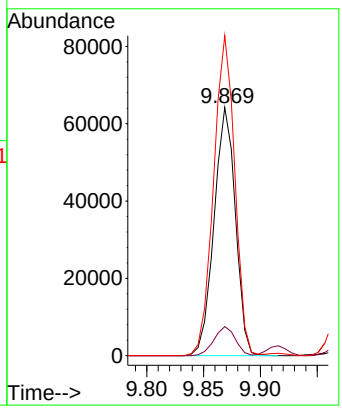
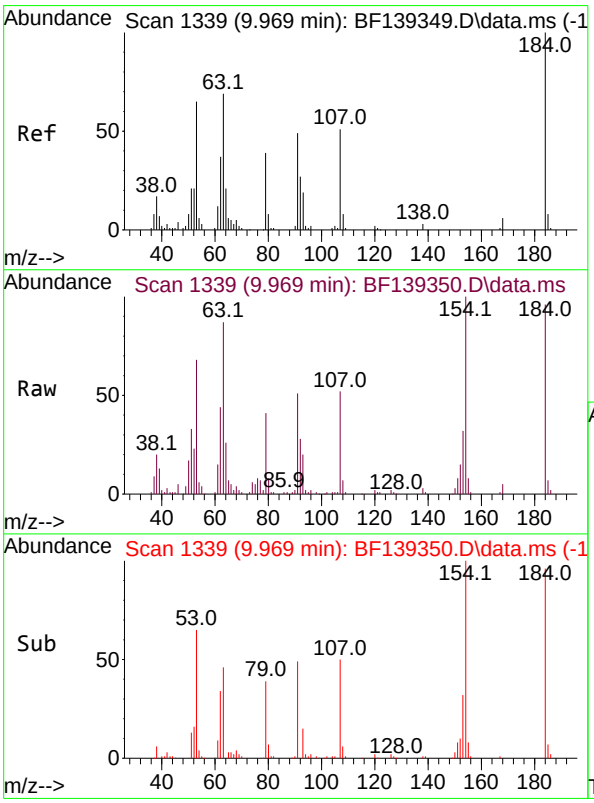
Supervised By :mohammad ahmed 09/16/2024

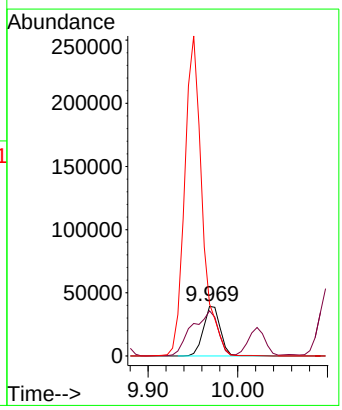


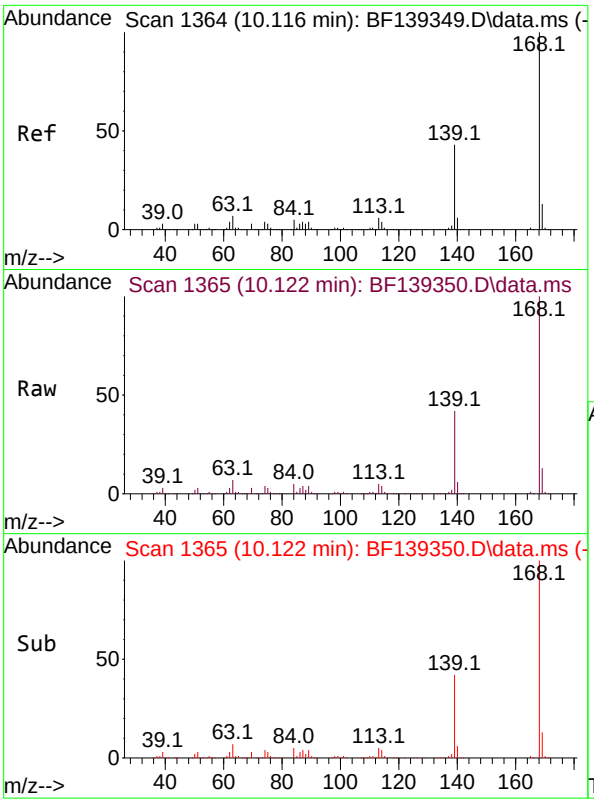




#54
2,4-Dinitrophenol
Concen: 57.104 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:184 Resp: 51497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 90.8 | 69.3 | 103.9 |
| 154 | 104.7 | 67.5 | 101.3# |

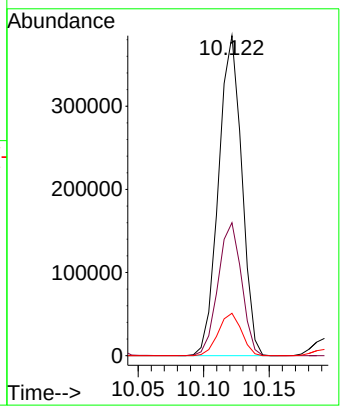





#55
Dibenzofuran
Concen: 47.477 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:168 Resp: 47314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.5 | 34.1 | 51.1 |
| 169 | 13.2 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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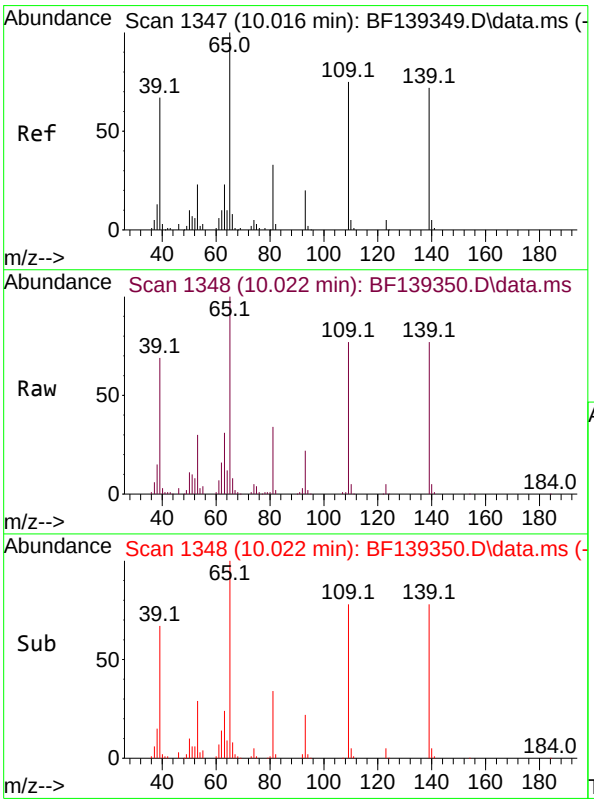
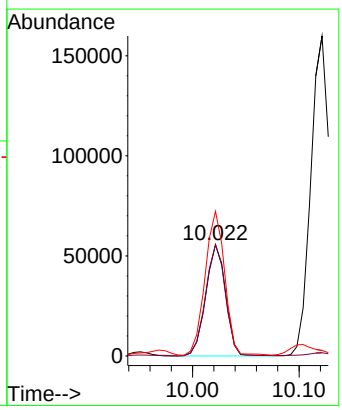
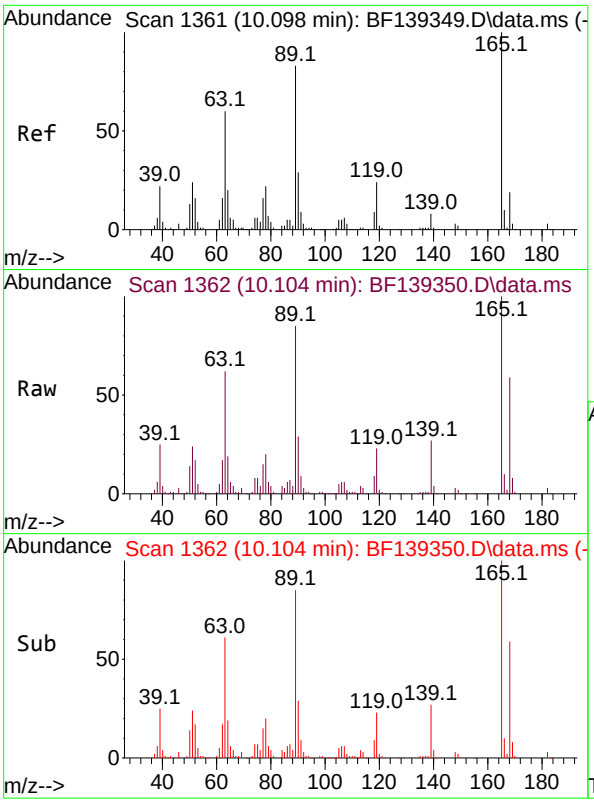



#56
4-Nitrophenol
Concen: 50.685 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:139 Resp: 72103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 100.3 | 84.1 | 124.1 |
| 65 | 130.1 | 120.0 | 160.0 |

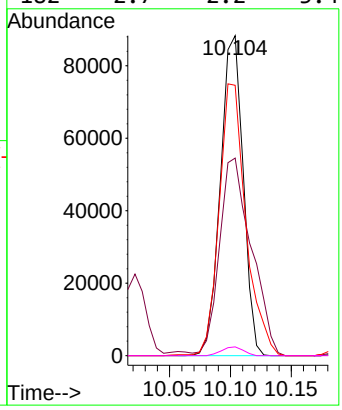





#57
2,4-Dinitrotoluene
Concen: 49.465 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:165 Resp: 11488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.8 | 47.8 | 71.6 |
| 89 | 84.5 | 66.7 | 100.1 |
| 182 | 2.7 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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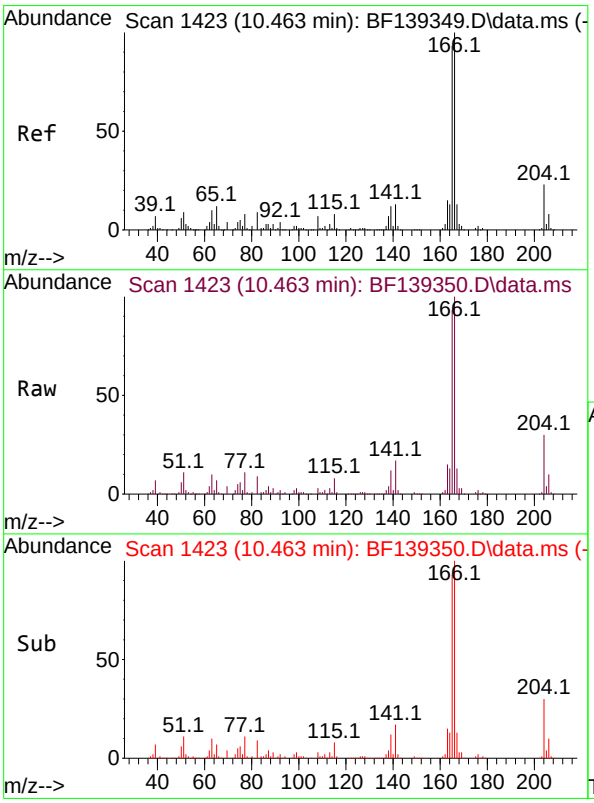
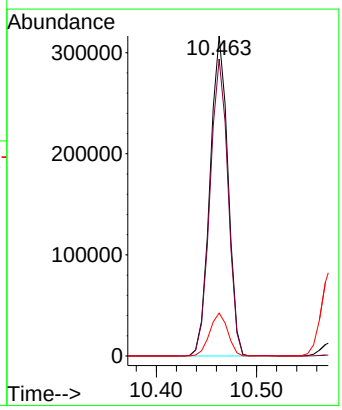
Supervised By :mohammad ahmed 09/16/2024

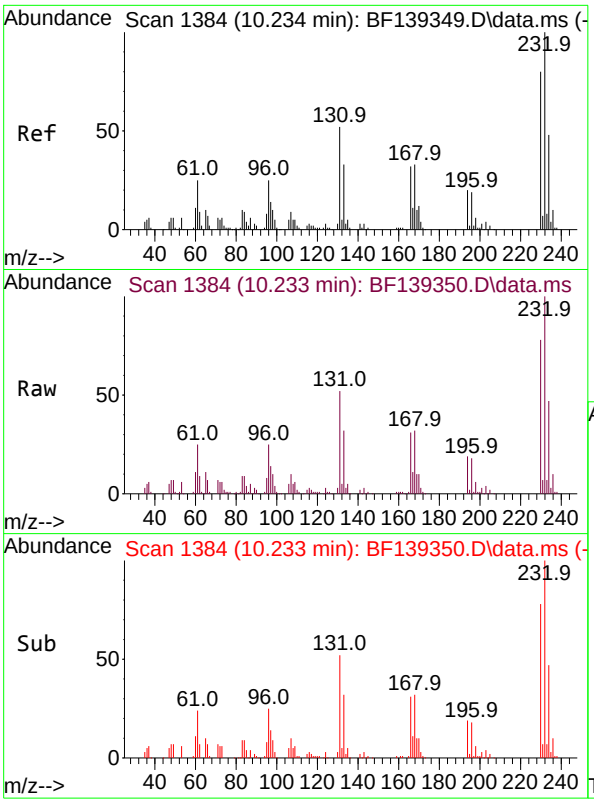



#58
Fluorene
Concen: 48.191 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:166 Resp: 391850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.8 | 74.5 | 111.7 |
| 167 | 13.4 | 10.6 | 16.0 |

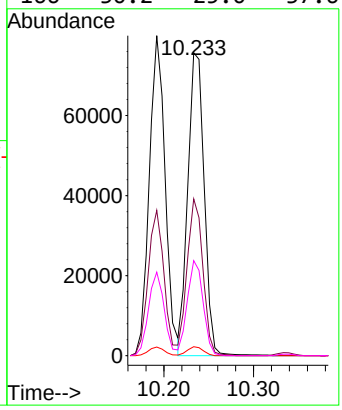





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.219 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:232 Resp: 9598

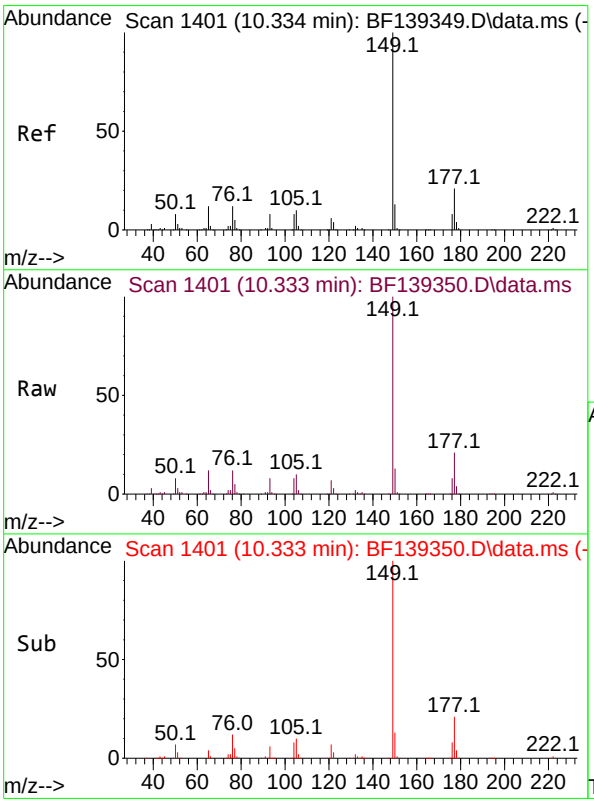
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.7 | 40.7 | 61.1 |
| 130 | 2.8 | 2.2 | 3.2 |
| 166 | 30.2 | 25.0 | 37.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

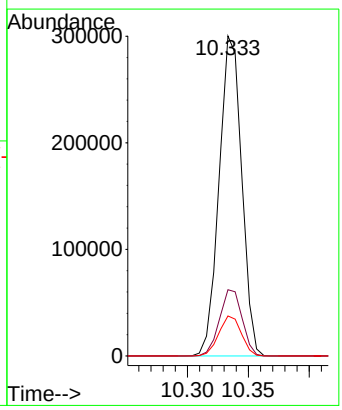
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

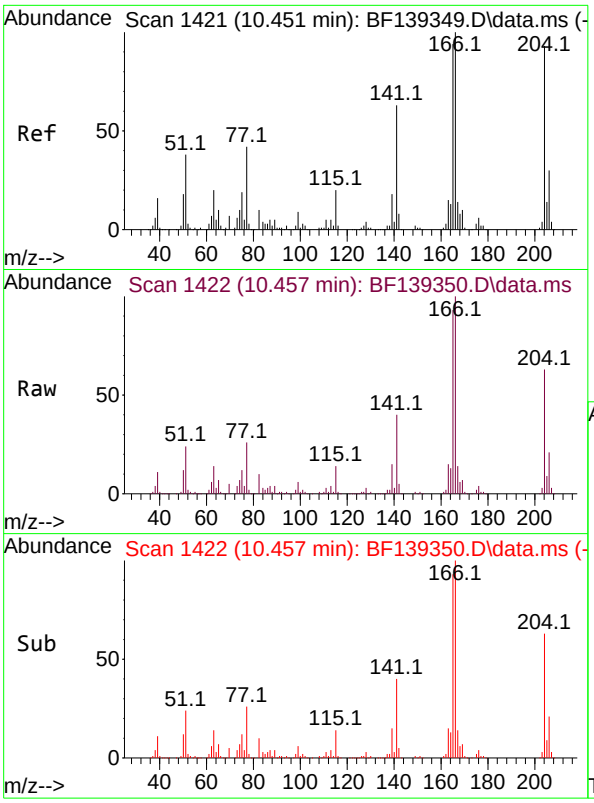



#60
Diethylphthalate
Concen: 48.314 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:149 Resp: 387175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.7 | 16.6 | 24.8 |
| 150 | 12.5 | 10.6 | 15.8 |






#61
4-Chlorophenyl-phenylether
Concen: 48.061 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

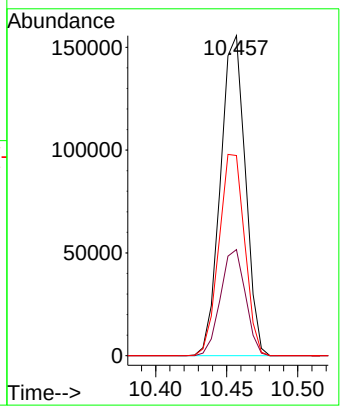
Tgt Ion:204 Resp: 18992

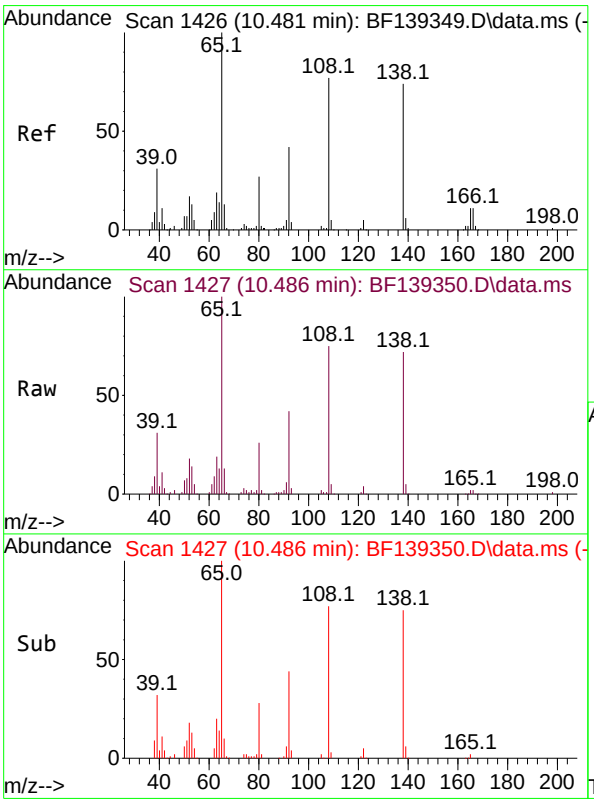
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.2 | 39.2 |
| 141 | 62.5 | 53.9 | 80.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

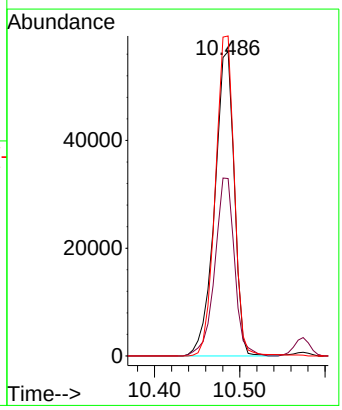


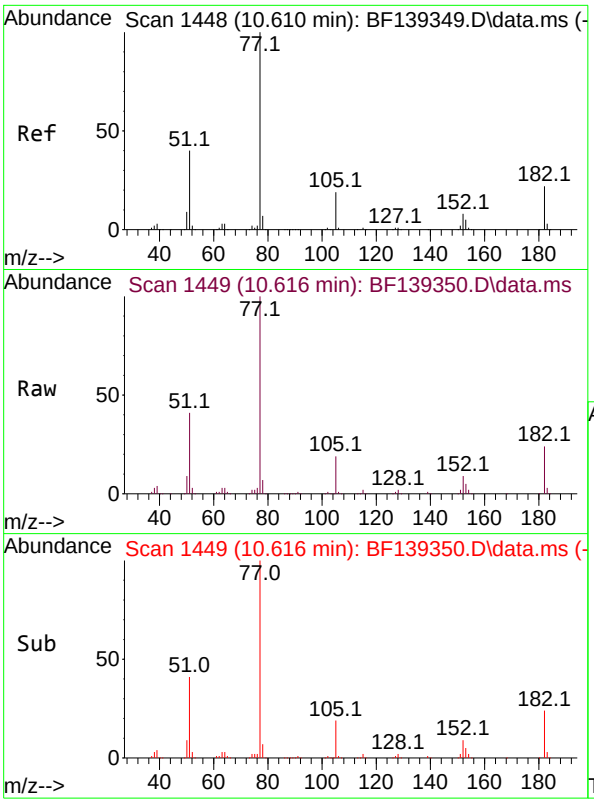




#62
4-Nitroaniline
Concen: 48.340 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:138 Resp: 90703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 58.3 | 37.0 | 77.0 |
| 108 | 105.0 | 84.4 | 124.4 |

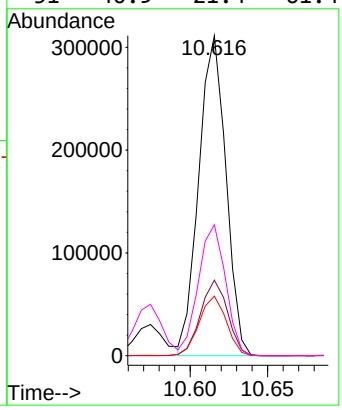





#63
Azobenzene
Concen: 48.019 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion: 77 Resp: 37848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.6 | 1.8 | 41.8 |
| 105 | 18.6 | 0.0 | 38.6 |
| 51 | 40.9 | 21.4 | 61.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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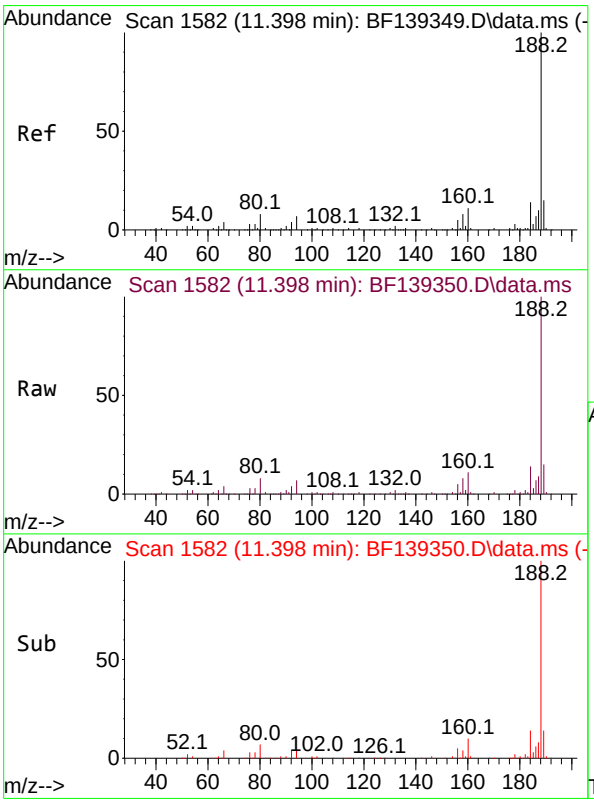
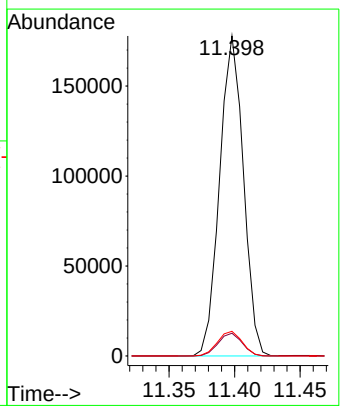
Supervised By :mohammad ahmed 09/16/2024

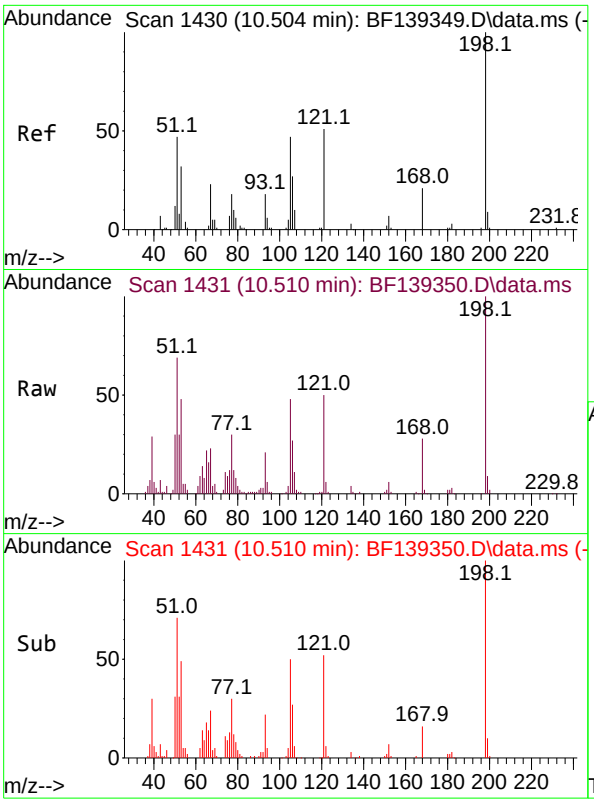



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:188 Resp: 224385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 5.5 | 8.3 |
| 80 | 7.7 | 6.6 | 9.8 |






#65
4,6-Dinitro-2-methylphenol
Concen: 53.312 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:198 Resp: 6313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 69.1 | 50.4 | 90.4 |
| 105 | 47.7 | 28.3 | 68.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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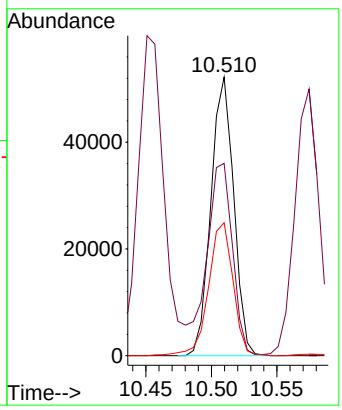
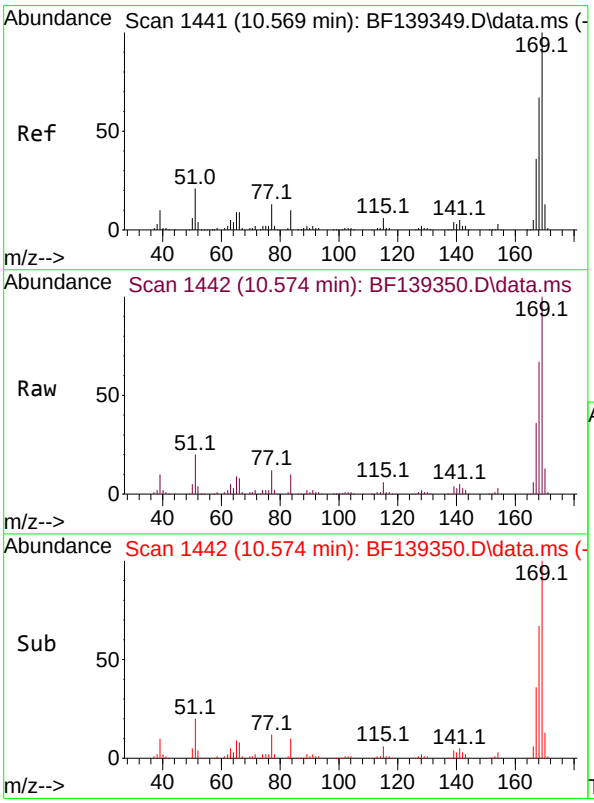
Supervised By :mohammad ahmed 09/16/2024

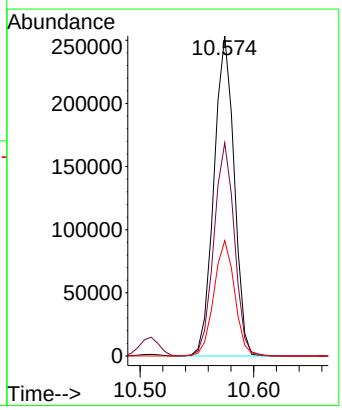


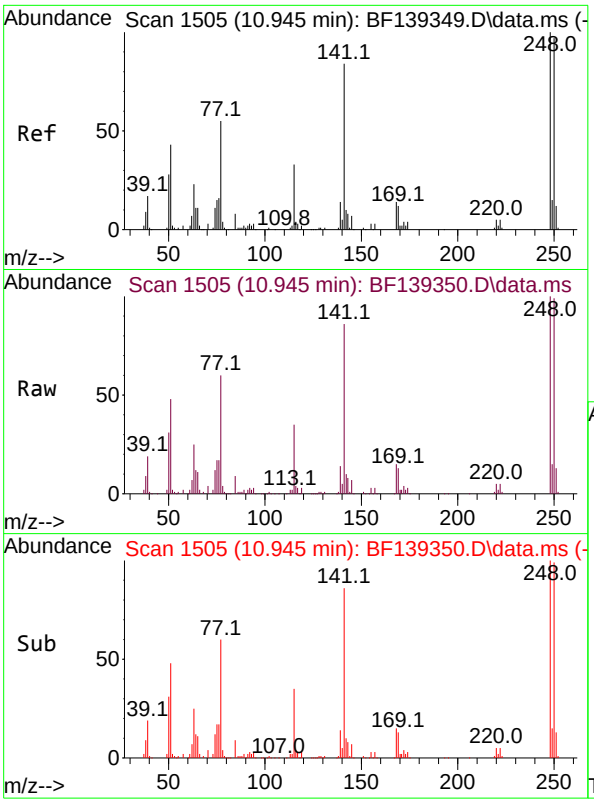




#66
n-Nitrosodiphenylamine
Concen: 47.849 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:169 Resp: 313904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.6 | 80.4 |
| 167 | 36.0 | 28.7 | 43.1 |

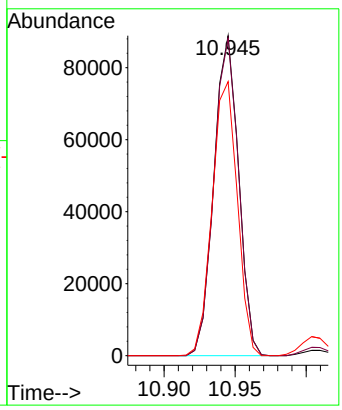





#67
4-Bromophenyl-phenylether
Concen: 48.254 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:248 Resp: 10729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 77.6 | 116.4 |
| 141 | 85.7 | 66.9 | 100.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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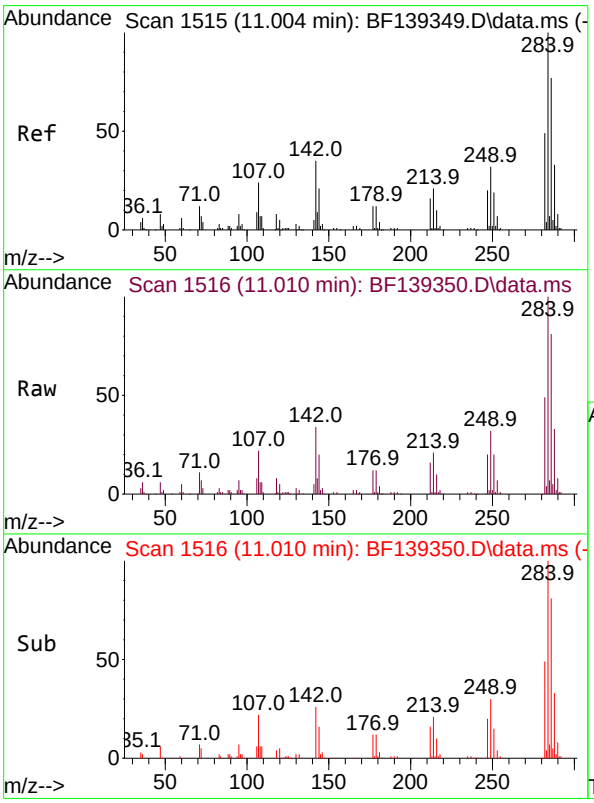
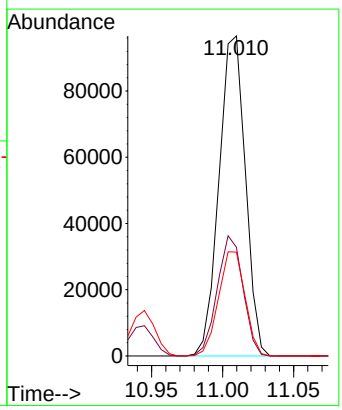
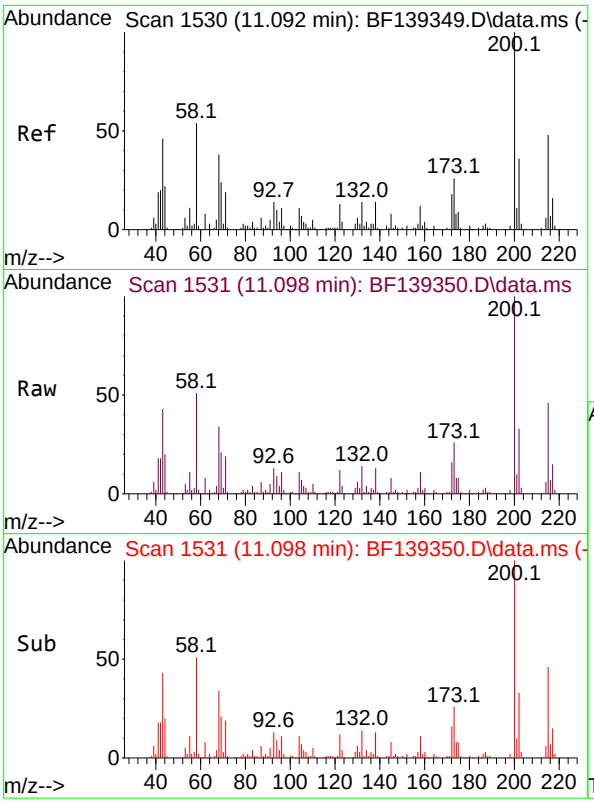



#68
Hexachlorobenzene
Concen: 47.865 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:284 Resp: 124911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.0 | 28.0 | 42.0 |
| 249 | 32.5 | 25.3 | 37.9 |

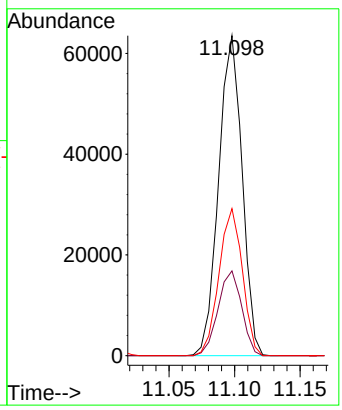





#69
Atrazine
Concen: 50.583 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:200 Resp: 7900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.5 | 6.1 | 46.1 |
| 215 | 45.9 | 28.2 | 68.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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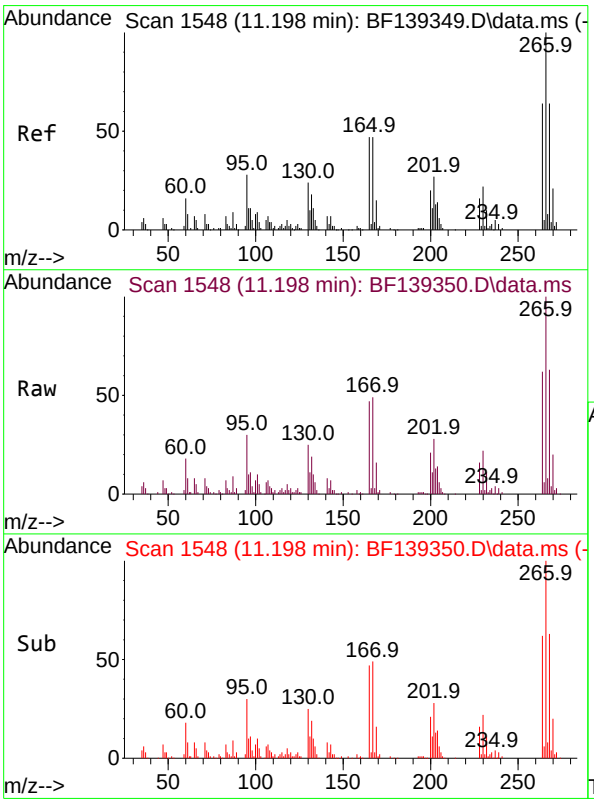
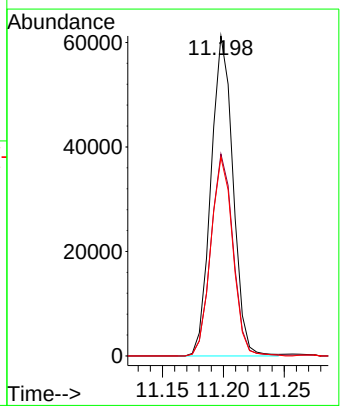
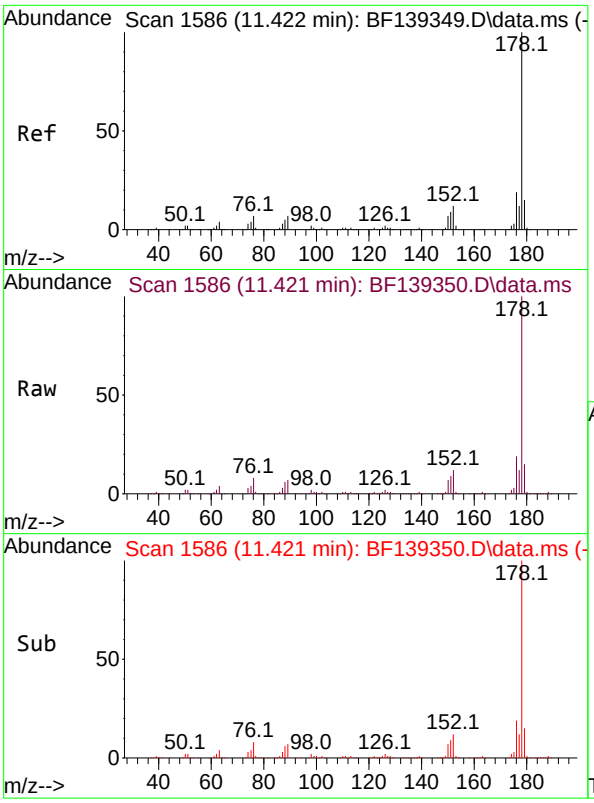



#70
Pentachlorophenol
Concen: 49.215 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:266 Resp: 77067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.1 | 76.7 |
| 264 | 62.1 | 51.4 | 77.0 |

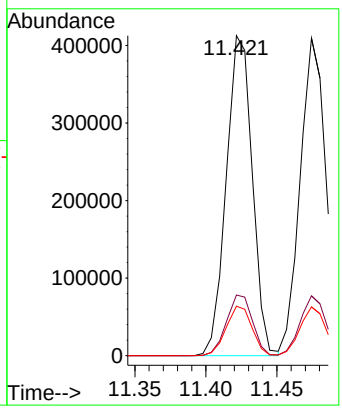





#71
Phenanthrene
Concen: 48.623 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:178 Resp: 52637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.4 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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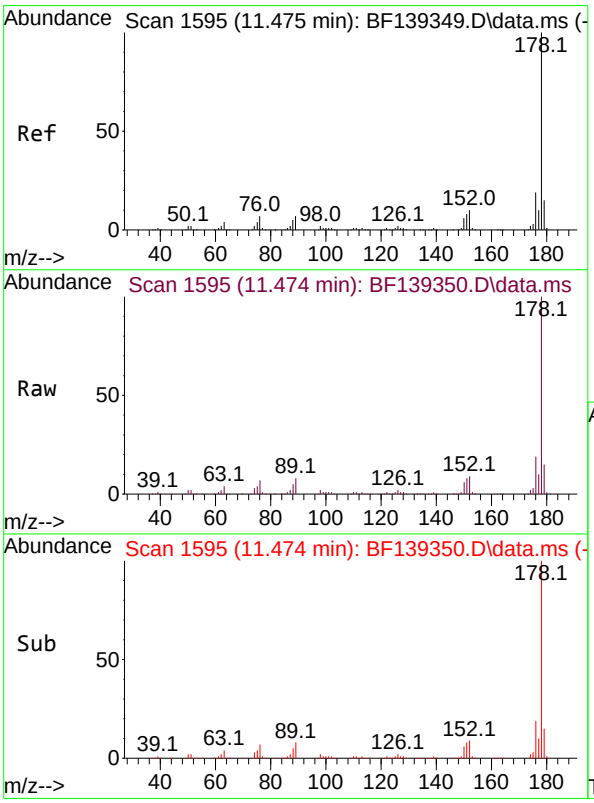
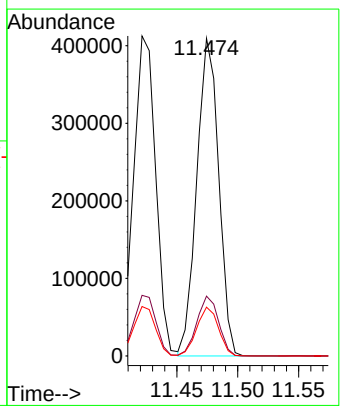
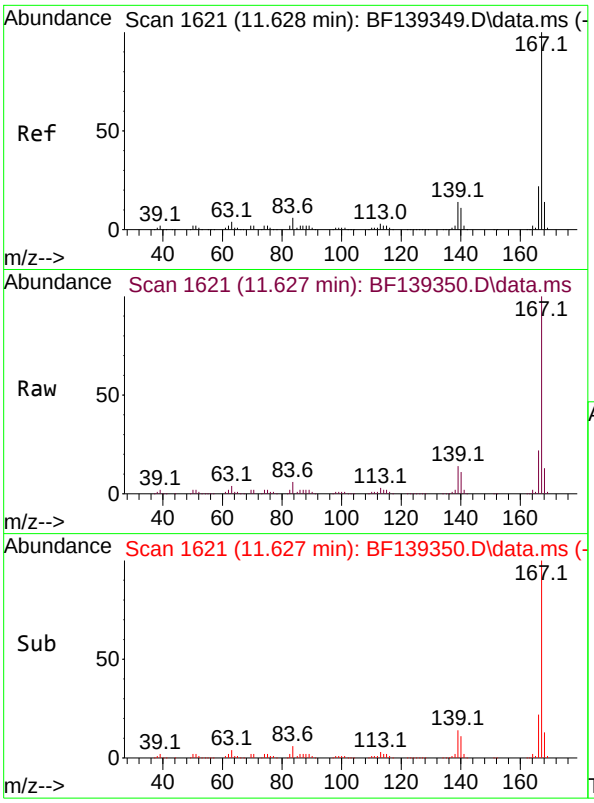



#72
Anthracene
Concen: 48.370 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:178 Resp: 511970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.6 |
| 179 | 15.4 | 12.0 | 18.0 |

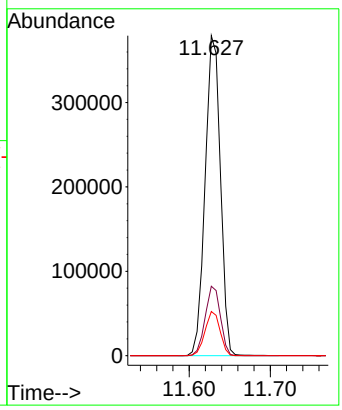





#73
Carbazole
Concen: 48.799 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:167 Resp: 49435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.5 | 26.3 |
| 139 | 13.8 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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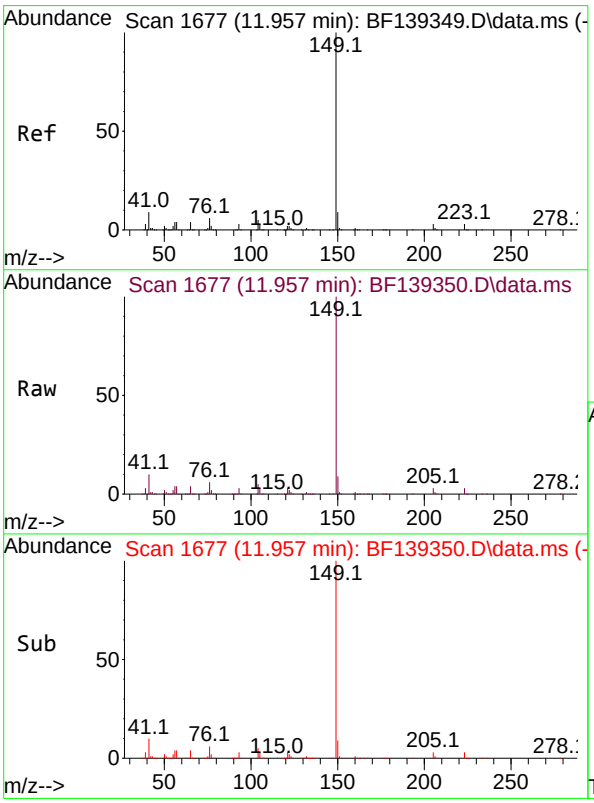
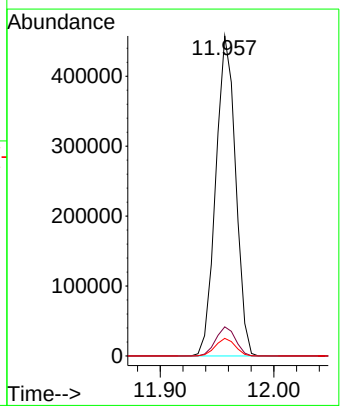
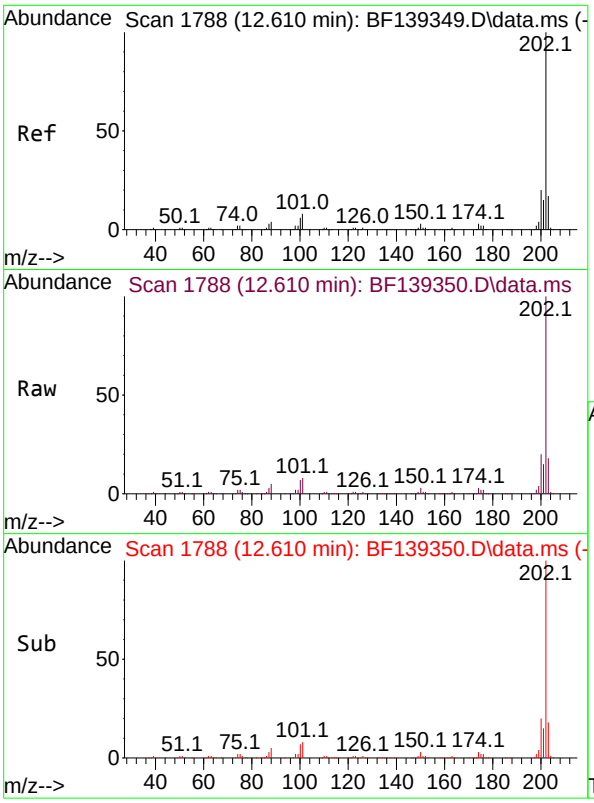



#74
Di-n-butylphthalate
Concen: 49.283 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:149 Resp: 556151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 5.5 | 4.3 | 6.5 |

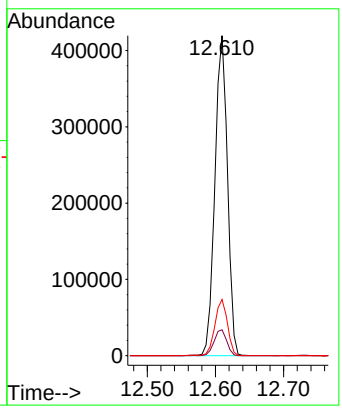





#75
Fluoranthene
Concen: 46.457 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:202 Resp: 53708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.1 | 0.0 | 27.7 |
| 203 | 17.5 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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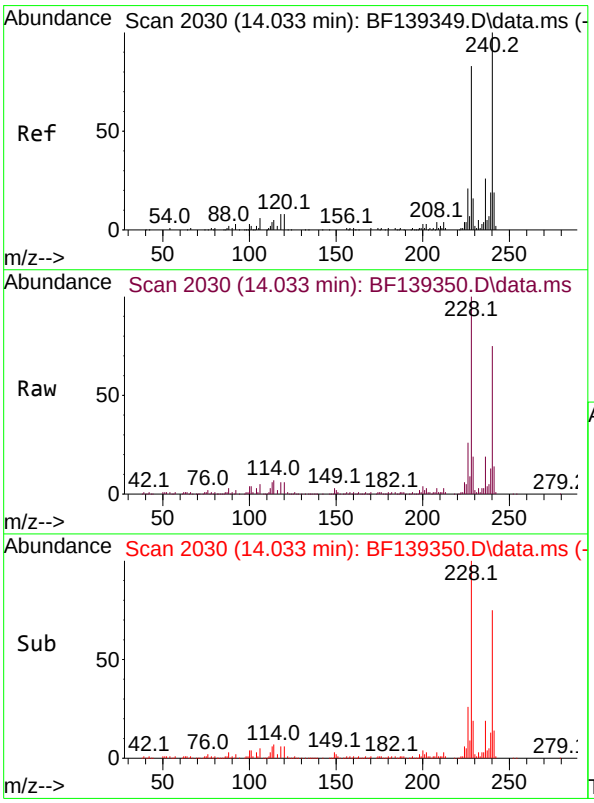
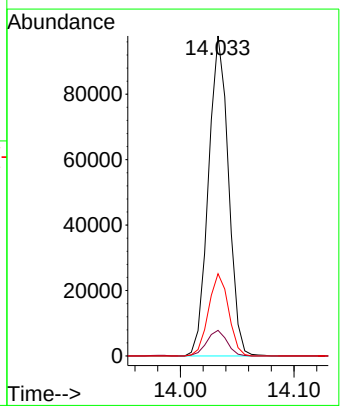
Supervised By :mohammad ahmed 09/16/2024

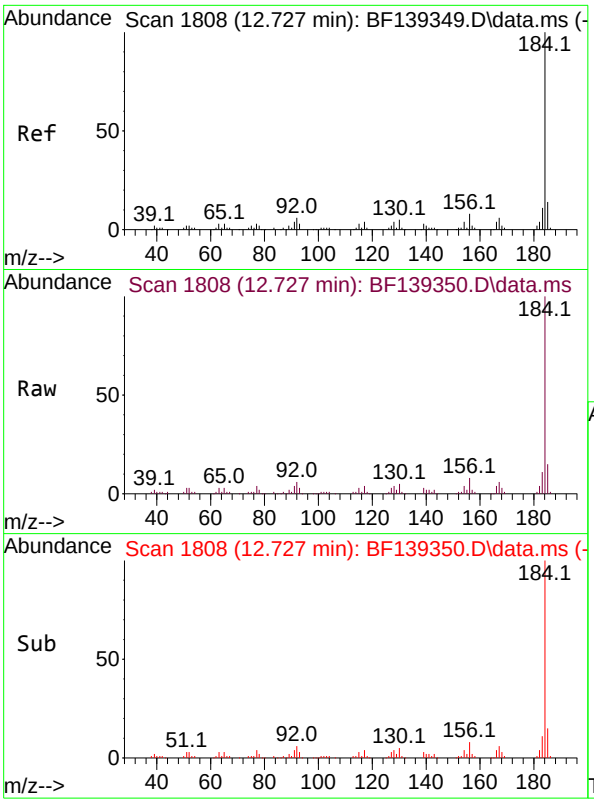



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:240 Resp: 119656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 6.2 | 9.2 |
| 236 | 25.7 | 20.9 | 31.3 |

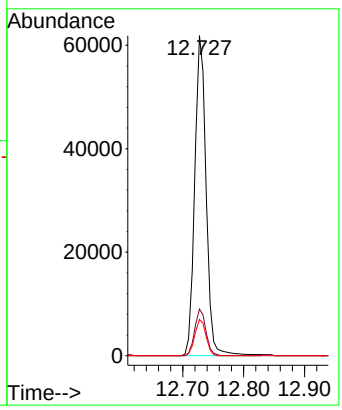





#77
Benzidine
Concen: 46.936 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:184 Resp: 8046

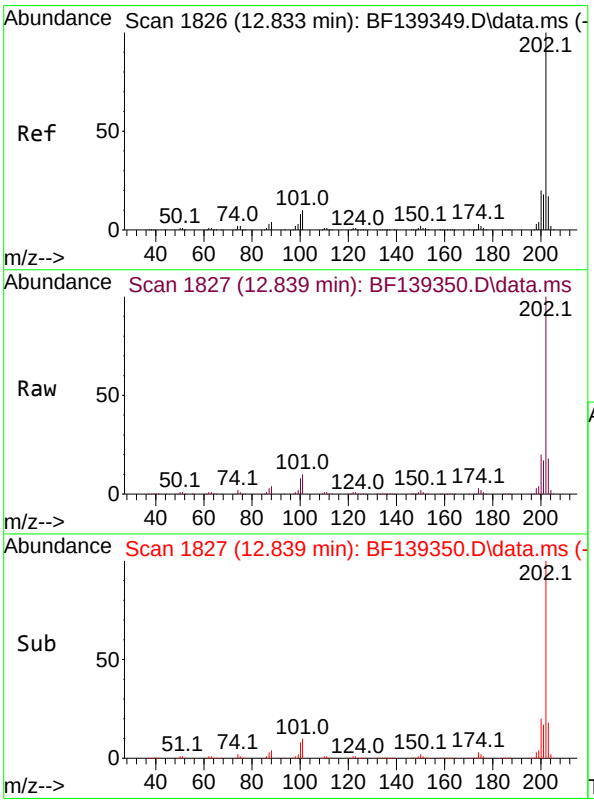
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.5 | 17.3 |
| 183 | 11.3 | 8.9 | 13.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

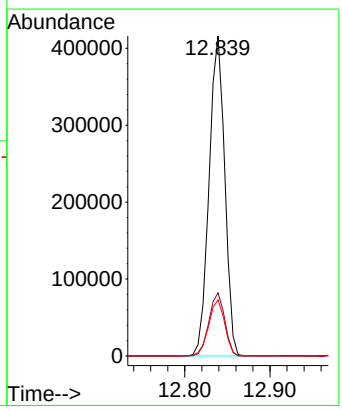
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

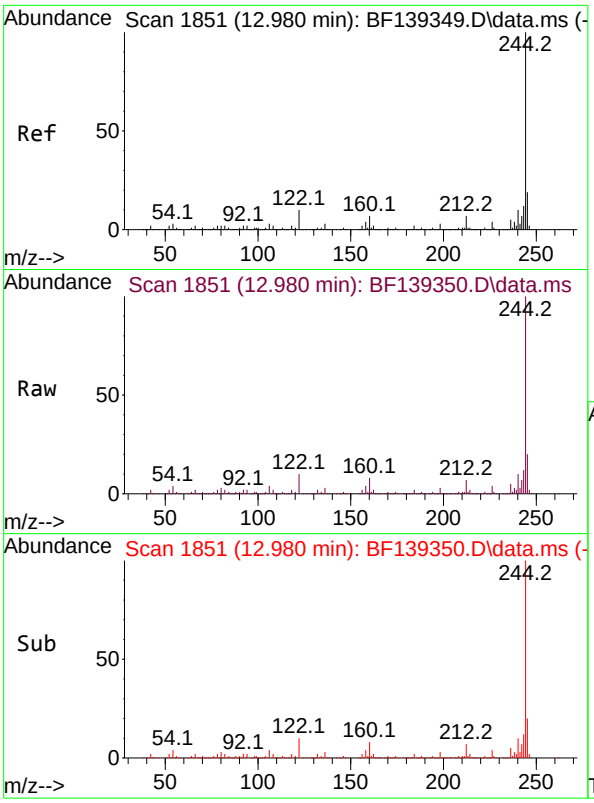



#78
Pyrene
Concen: 51.662 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:202 Resp: 530780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 16.2 | 24.2 |
| 203 | 17.5 | 13.9 | 20.9 |

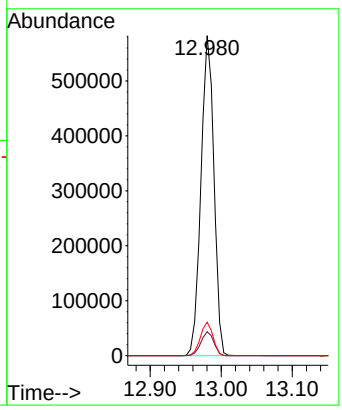





#79
Terphenyl-d14
Concen: 101.657 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:244 Resp: 74107

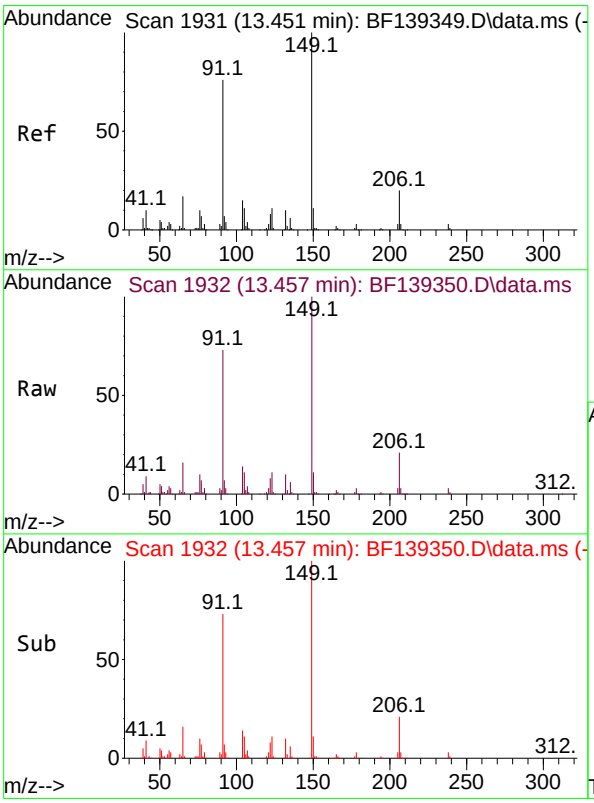
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 10.4 | 7.6 | 11.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

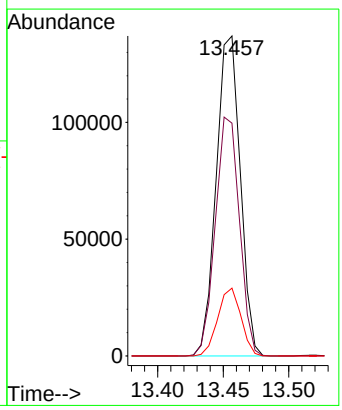
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

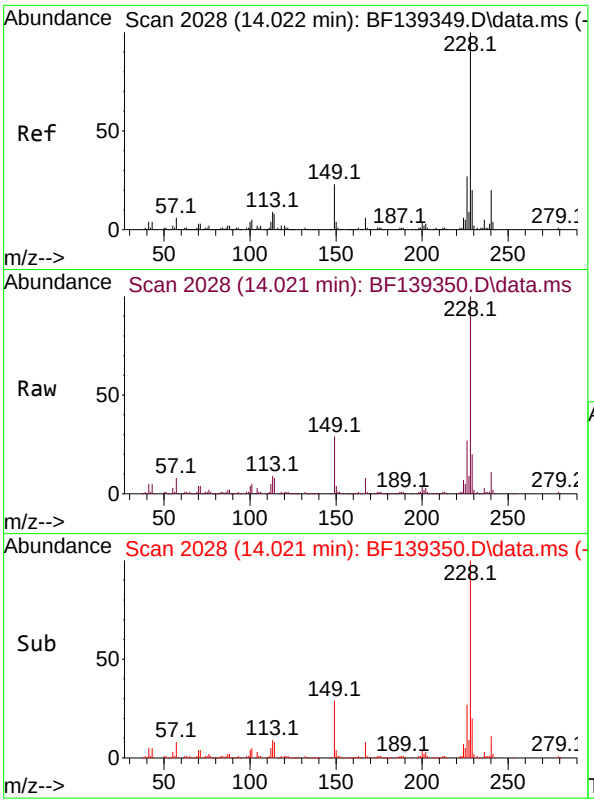



#80
Butylbenzylphthalate
Concen: 50.037 ng
RT: 13.457 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:149 Resp: 174982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.8 | 60.9 | 91.3 |
| 206 | 21.2 | 15.8 | 23.8 |

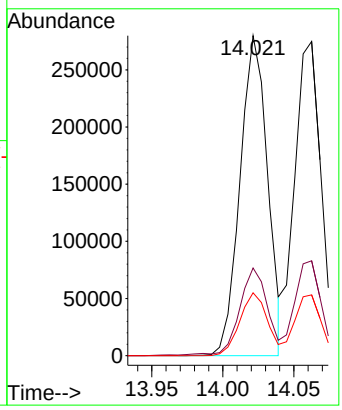





#81
Benzo(a)anthracene
Concen: 47.639 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:228 Resp: 37758

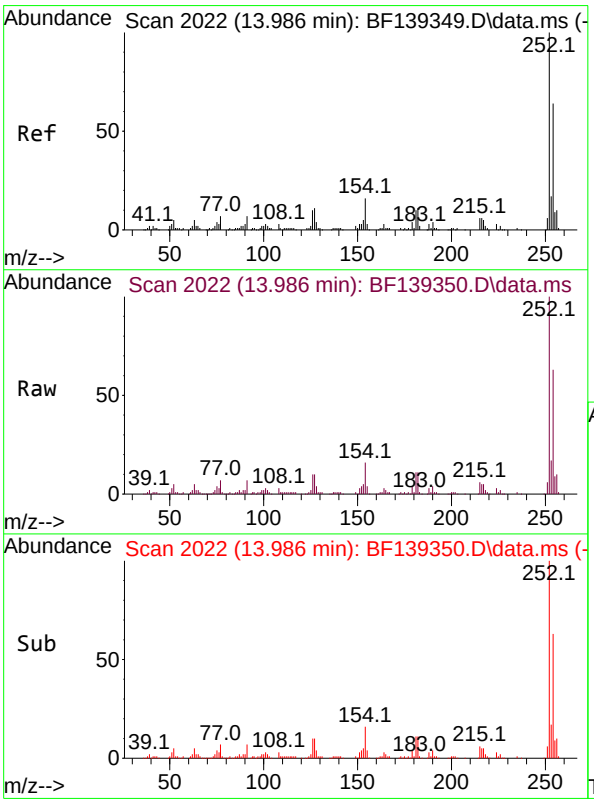
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.6 | 32.4 |
| 229 | 19.6 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

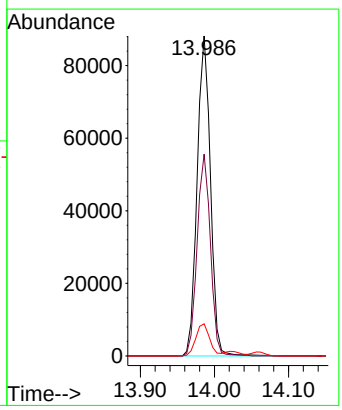
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

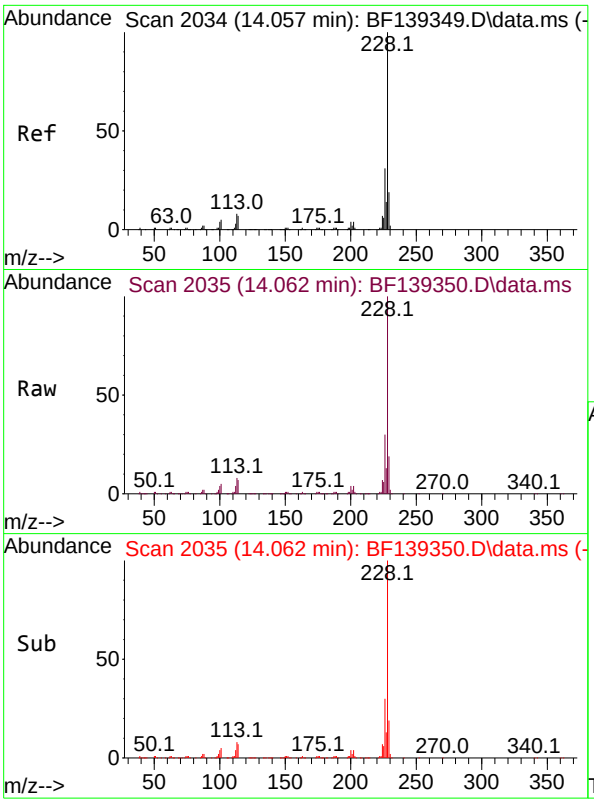



#82
3,3'-Dichlorobenzidine
Concen: 47.356 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:252 Resp: 109919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 51.4 | 77.2 |
| 126 | 10.1 | 7.7 | 11.5 |

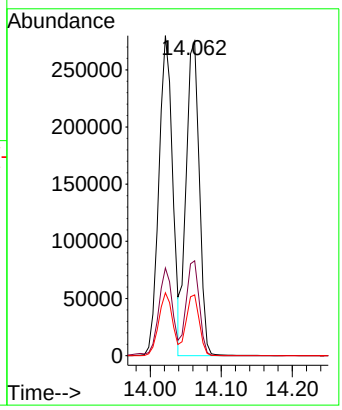





#83
Chrysene
Concen: 48.617 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:228 Resp: 35451

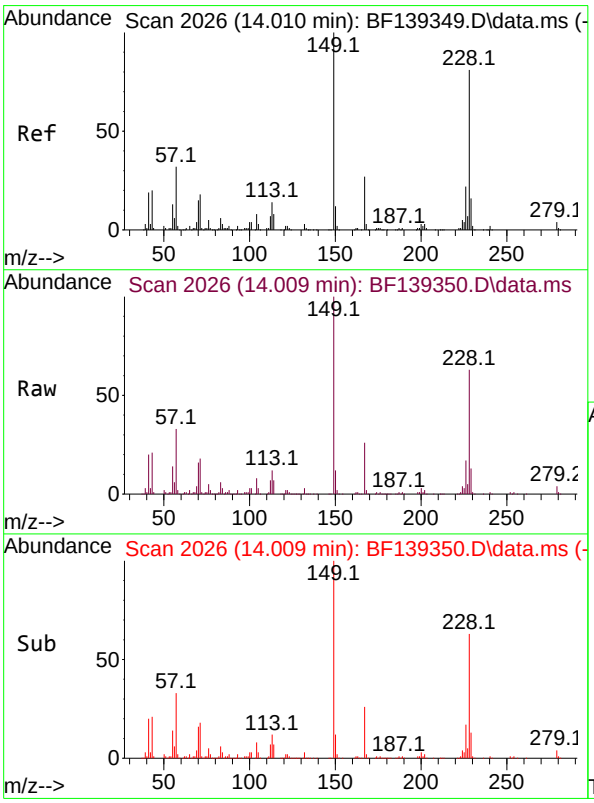
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.1 | 36.1 |
| 229 | 19.3 | 15.4 | 23.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

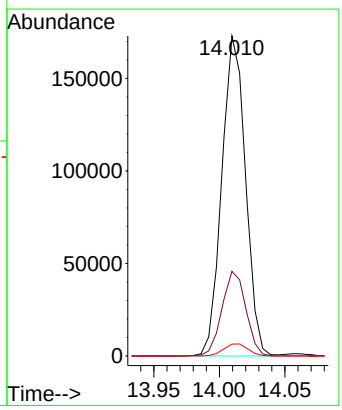
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

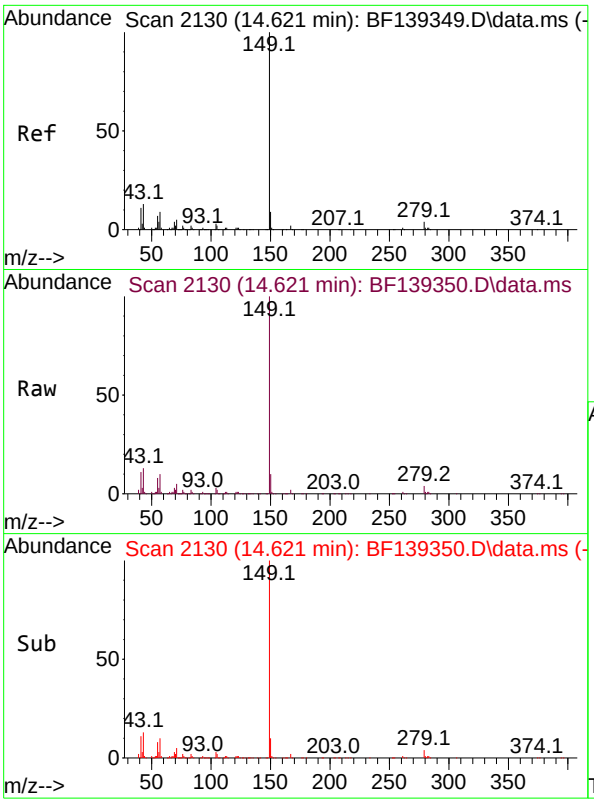



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.889 ng
RT: 14.009 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:149 Resp: 217495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.6 | 32.4 |
| 279 | 3.7 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 50.382 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

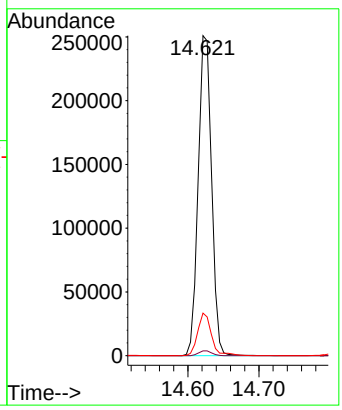
Tgt Ion:149 Resp: 33008

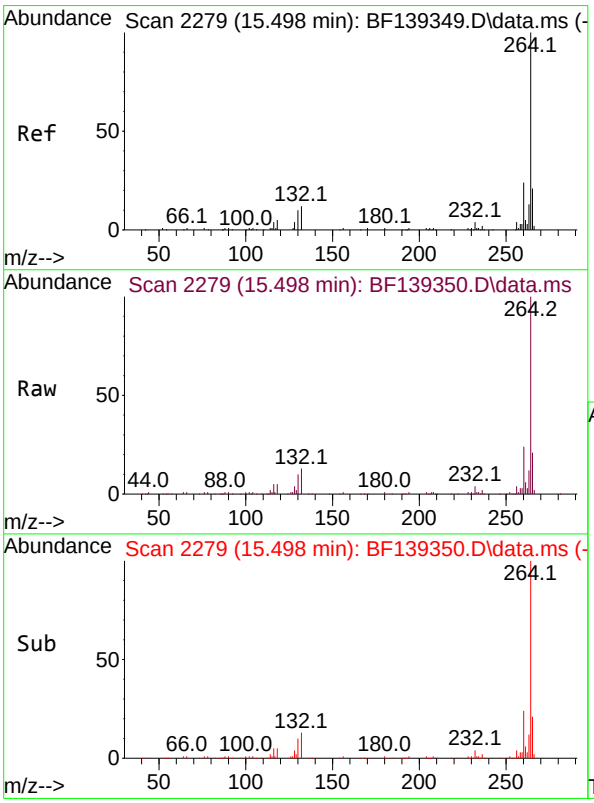
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.7 | 10.6 | 16.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

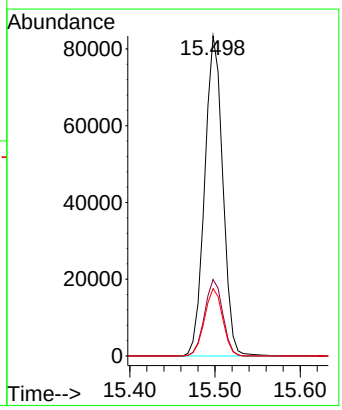


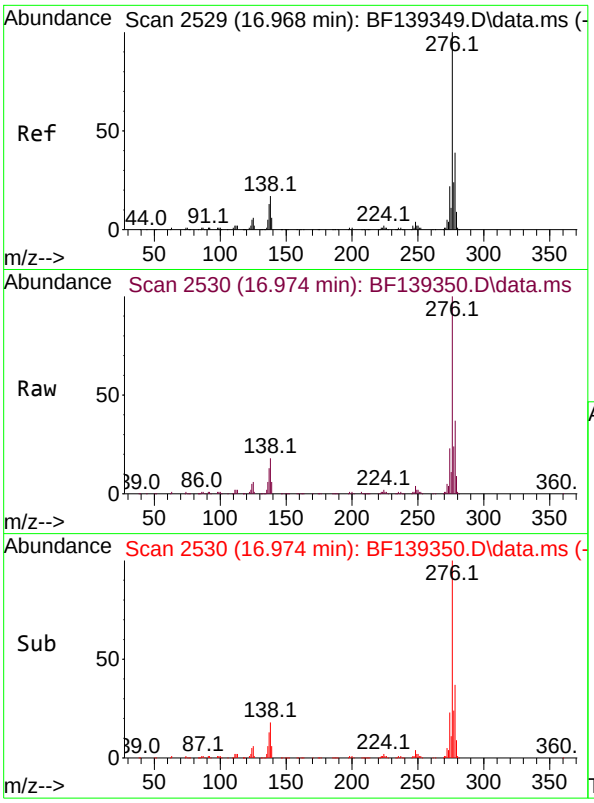




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:264 Resp: 123129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.5 | 29.3 |
| 265 | 21.0 | 16.6 | 25.0 |

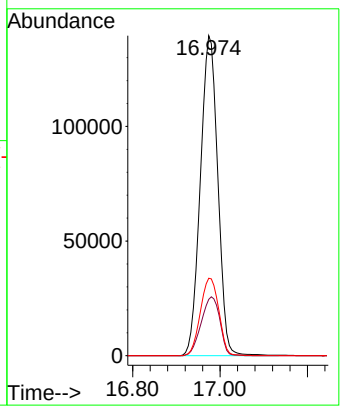





#87
Indeno(1,2,3-cd)pyrene
Concen: 53.023 ng
RT: 16.974 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:276 Resp: 38821

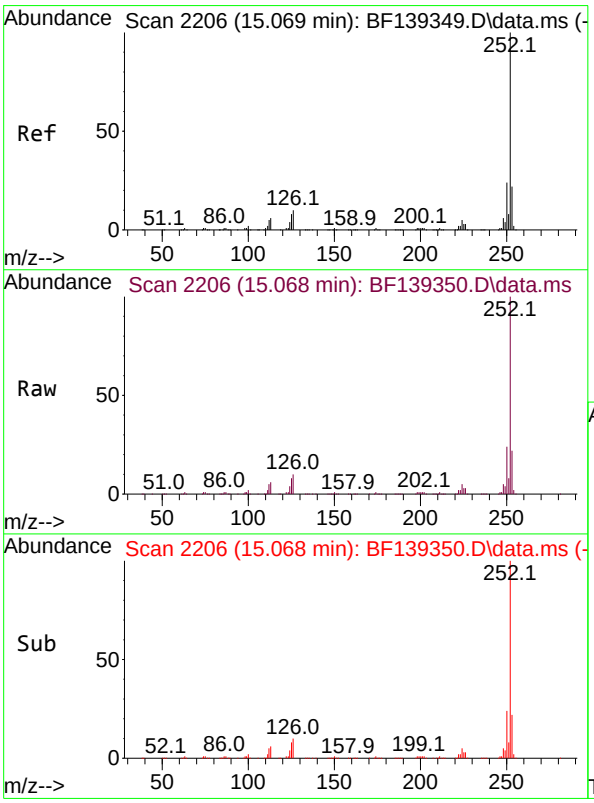
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.6 | 15.4 | 23.2 |
| 277 | 25.5 | 20.4 | 30.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

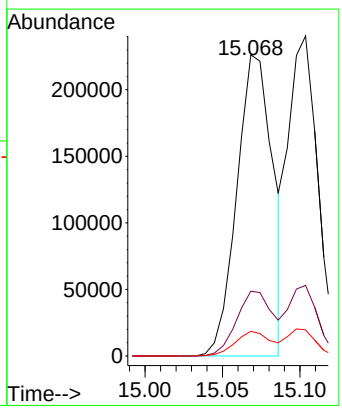
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

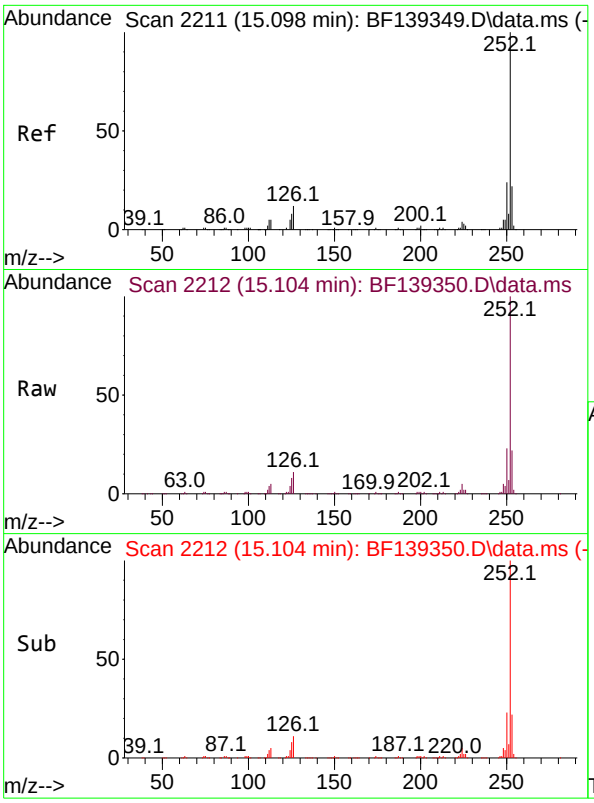



#88
Benzo(b)fluoranthene
Concen: 48.087 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:252 Resp: 365162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.6 | 26.4 |
| 125 | 8.2 | 6.2 | 9.2 |

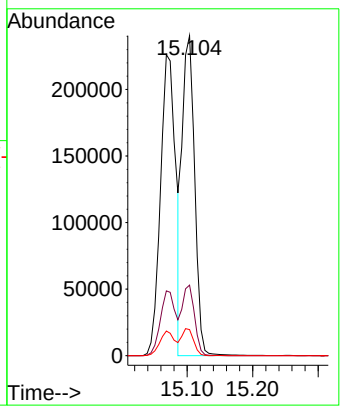





#89
Benzo(k)fluoranthene
Concen: 45.203 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:252 Resp: 31649

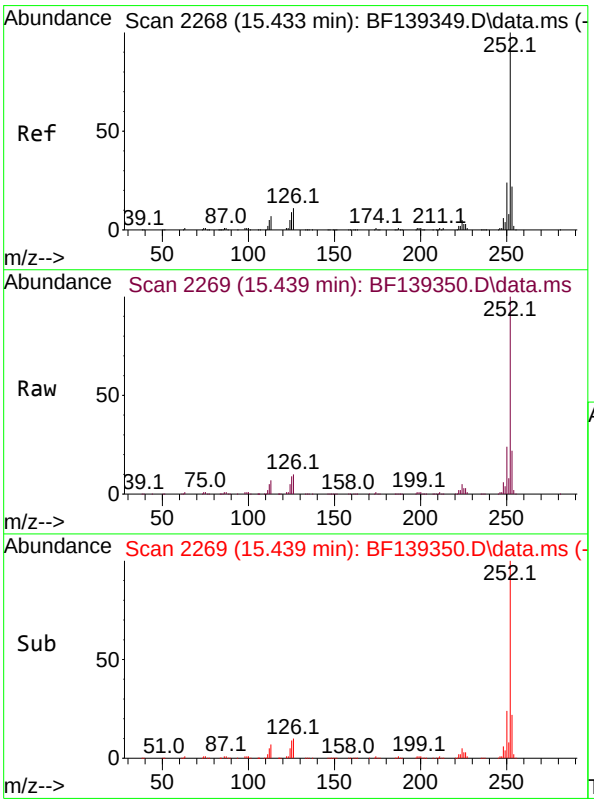
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.3 | 25.9 |
| 125 | 8.1 | 5.9 | 8.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

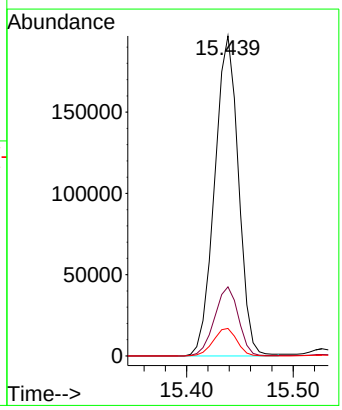
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

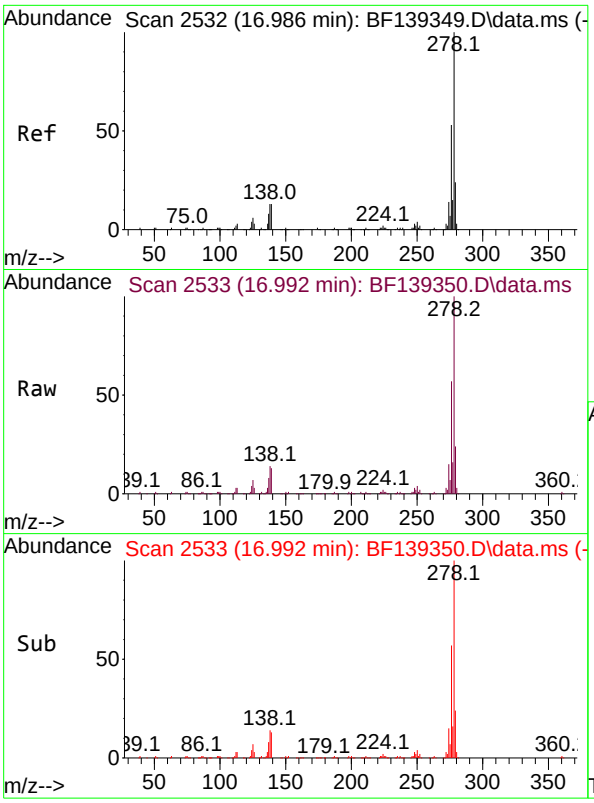



#90
Benzo(a)pyrene
Concen: 48.503 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:252 Resp: 305466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.3 | 25.9 |
| 125 | 8.6 | 6.8 | 10.2 |

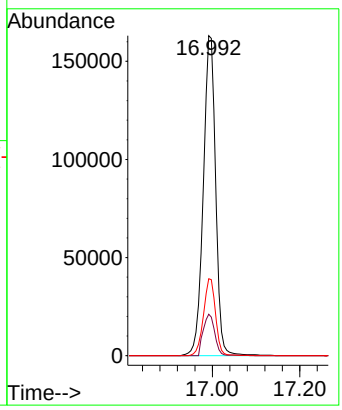





#91
Dibenzo(a,h)anthracene
Concen: 53.114 ng
RT: 16.992 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:278 Resp: 32134

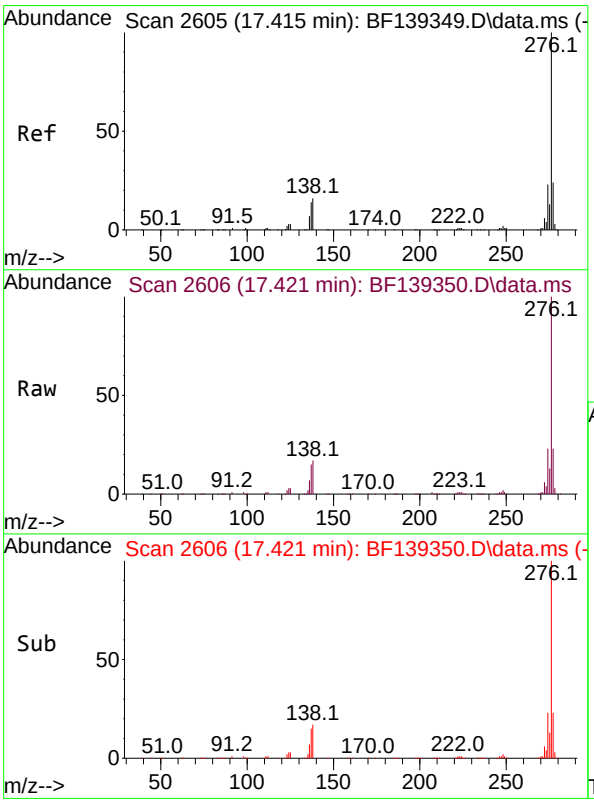
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.9 | 10.2 | 15.2 |
| 279 | 24.0 | 18.9 | 28.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

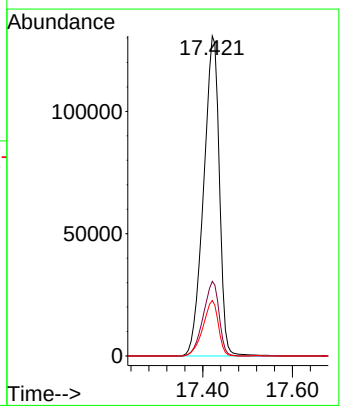
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024




#92
Benzo(g,h,i)perylene
Concen: 53.000 ng
RT: 17.421 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF139350.D
Acq: 13 Sep 2024 17:51

Tgt Ion:276 Resp: 317487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.9 | 28.3 |
| 138 | 17.4 | 13.0 | 19.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139351.D
Acq On : 13 Sep 2024 18:48
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:51:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 55187 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 200716 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 112863 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 209240 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 110333 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 118195 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 415331 | 122.773 | ng | 0.00 |
| 7) Phenol-d6 | 6.516 | 99 | 546138 | 122.996 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.446 | 82 | 533058 | 124.852 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 145361 | 120.977 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 952524 | 118.368 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 848949 | 126.296 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.658 | 88 | 76849 | 56.622 | ng | 99 |
| 3) Pyridine | 3.410 | 79 | 184729 | 61.733 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 161188 | 62.147 | ng | 98 |
| 6) Aniline | 6.587 | 93 | 202424m | 67.626 | ng | |
| 8) 2-Chlorophenol | 6.669 | 128 | 214769 | 61.675 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 132592 | 54.521 | ng | 99 |
| 10) Phenol | 6.528 | 94 | 276269 | 61.089 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 200653 | 58.376 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 239082 | 60.370 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 244302 | 61.044 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 232776 | 61.555 | ng | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 221254 | 62.456 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 320455 | 60.494 | ng | 100 |
| 17) 2-Methylphenol | 7.134 | 107 | 169242 | 61.171 | ng | 99 |
| 18) Hexachloroethane | 7.393 | 117 | 93527 | 61.356 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 163864 | 62.276 | ng | 100 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 235065 | 62.275 | ng | 97 |
| 22) Acetophenone | 7.293 | 105 | 324964 | 61.930 | ng | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 269729 | 61.382 | ng | 98 |
| 25) Isophorone | 7.704 | 82 | 414323 | 61.360 | ng | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 110946 | 64.806 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 141588 | 62.698 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 235849 | 61.287 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 177157 | 61.752 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 202649 | 60.625 | ng | 98 |
| 31) Naphthalene | 8.187 | 128 | 647769 | 61.819 | ng | 100 |
| 32) Benzoic acid | 7.951 | 122 | 141779m | 66.826 | ng | |
| 33) 4-Chloroaniline | 8.240 | 127 | 200192 | 62.450 | ng | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 136795 | 60.236 | ng | 99 |
| 35) Caprolactam | 8.616 | 113 | 53730 | 60.885 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 202047 | 61.625 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 406699 | 61.148 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 397859 | 60.930 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.040 | 216 | 202263 | 60.469 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 70369 | 60.253 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 130460 | 59.949 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139351.D
Acq On : 13 Sep 2024 18:48
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:51:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 139041 | 60.571 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 511379 | 58.895 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 391037 | 60.232 | ng | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 149834 | 62.050 | ng | 96 |
| 49) Acenaphthylene | 9.781 | 152 | 581764 | 59.530 | ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 444695 | 60.032 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 100225 | 61.074 | ng | 98 |
| 52) Acenaphthene | 9.951 | 154 | 411189 | 60.286 | ng | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 101406 | 61.832 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 61109 | 71.035 | ng | 96 |
| 55) Dibenzofuran | 10.122 | 168 | 570033 | 59.962 | ng | 98 |
| 56) 4-Nitrophenol | 10.022 | 139 | 81369 | 59.961 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 137354 | 61.996 | ng | 98 |
| 58) Fluorene | 10.463 | 166 | 460625 | 59.385 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 113758 | 59.907 | ng | 99 |
| 60) Diethylphthalate | 10.339 | 149 | 455793 | 59.624 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 225124 | 59.721 | ng | 98 |
| 62) 4-Nitroaniline | 10.486 | 138 | 106344 | 59.413 | ng | 97 |
| 63) Azobenzene | 10.616 | 77 | 444825 | 59.162 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 74857 | 67.785 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 372758 | 60.933 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 129218 | 62.319 | ng | 99 |
| 68) Hexachlorobenzene | 11.010 | 284 | 148250 | 60.920 | ng | 99 |
| 69) Atrazine | 11.098 | 200 | 71742 | 49.261 | ng | 97 |
| 70) Pentachlorophenol | 11.198 | 266 | 93555 | 64.069 | ng | 98 |
| 71) Phenanthrene | 11.428 | 178 | 608434 | 60.271 | ng | 100 |
| 72) Anthracene | 11.475 | 178 | 600764 | 60.867 | ng | 99 |
| 73) Carbazole | 11.628 | 167 | 555046 | 58.756 | ng | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 643092 | 61.112 | ng | 99 |
| 75) Fluoranthene | 12.610 | 202 | 602672 | 55.904 | ng | 99 |
| 77) Benzidine | 12.727 | 184 | 132597 | 83.882 | ng | 100 |
| 78) Pyrene | 12.839 | 202 | 589589 | 62.235 | ng | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 198939 | 61.694 | ng | 97 |
| 81) Benzo(a)anthracene | 14.022 | 228 | 434291 | 59.423 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 135151 | 63.146 | ng | 98 |
| 83) Chrysene | 14.063 | 228 | 411164 | 61.151 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 251863 | 61.398 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 398431 | 65.952 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 465613 | 66.249 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 431051 | 59.133 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 398460 | 59.285 | ng | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 374337 | 61.920 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.998 | 278 | 393346 | 67.730 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.427 | 276 | 377847 | 65.709 | ng | 99 |

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

ICAL Form

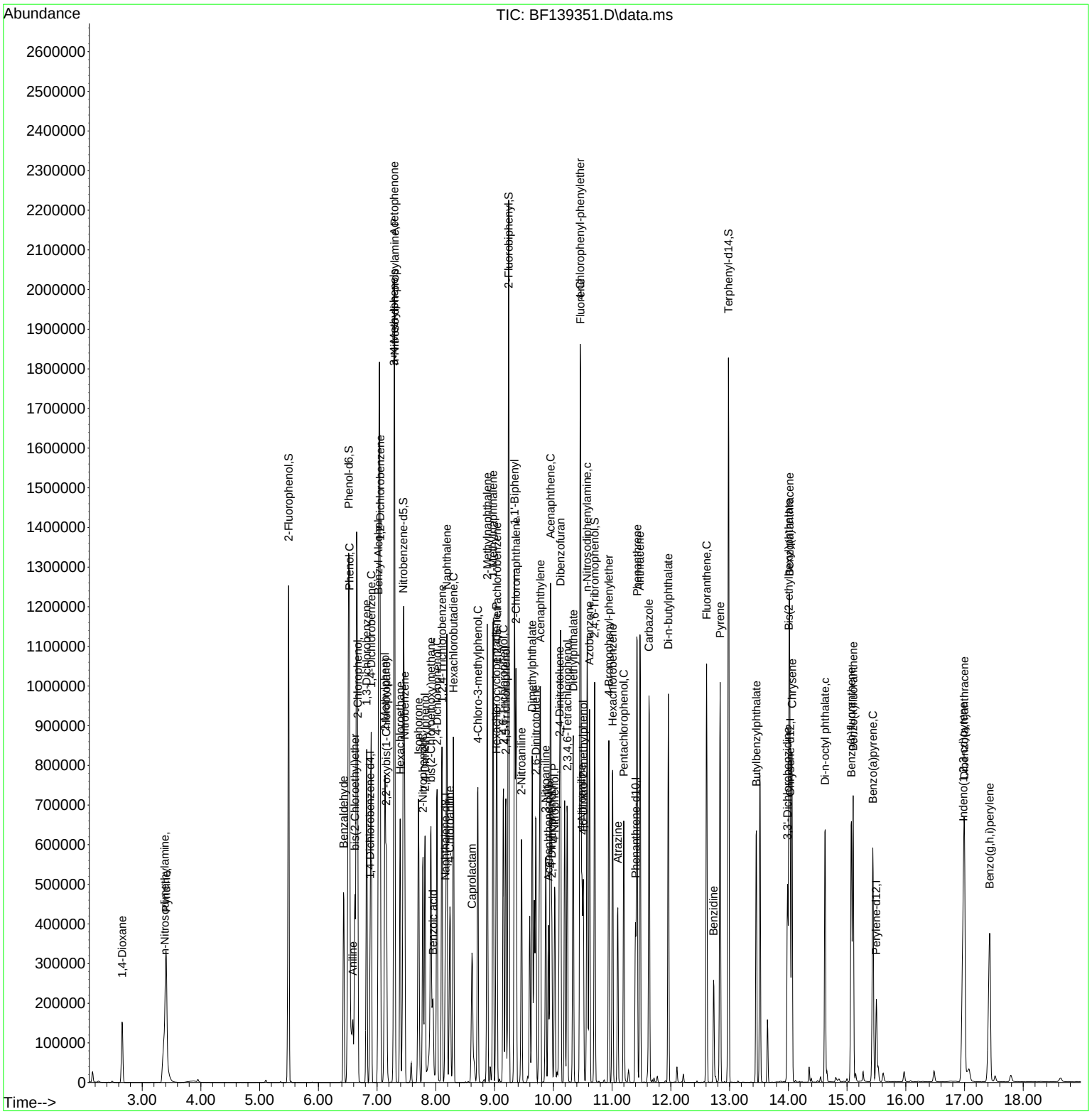
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139351.D
Acq On : 13 Sep 2024 18:48
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

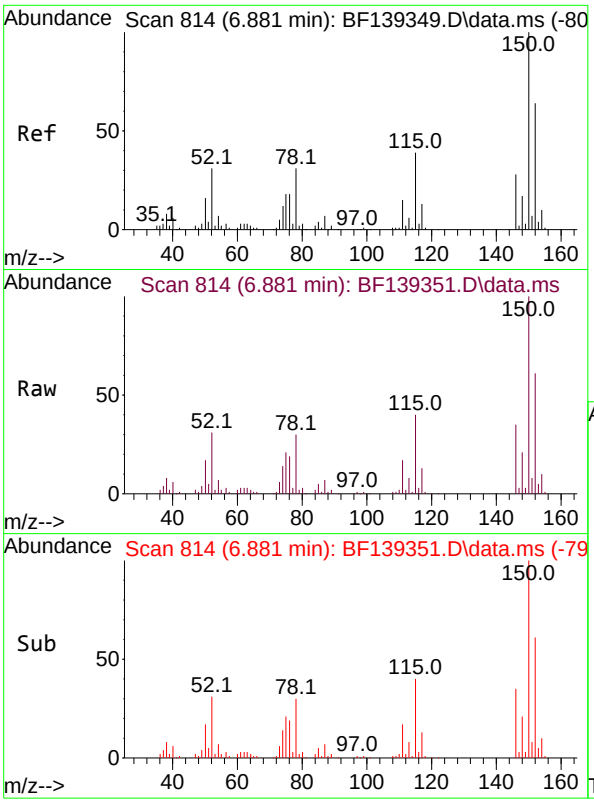
Quant Time: Sep 14 02:51:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

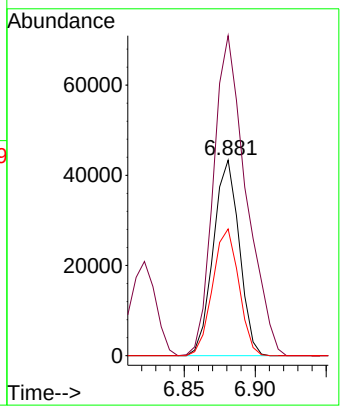





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:152 Resp: 5518

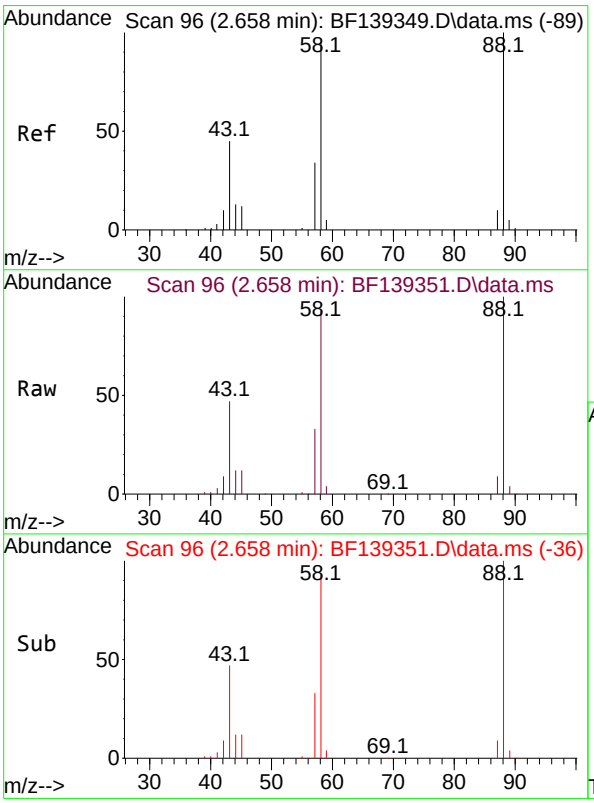
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.7 | 124.1 | 186.1 |
| 115 | 64.9 | 48.1 | 72.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

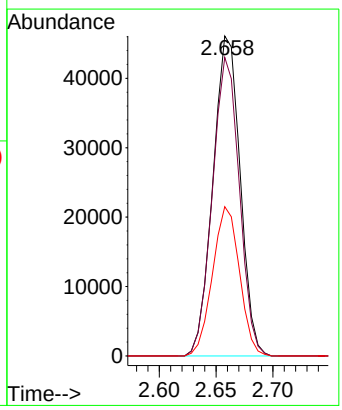
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

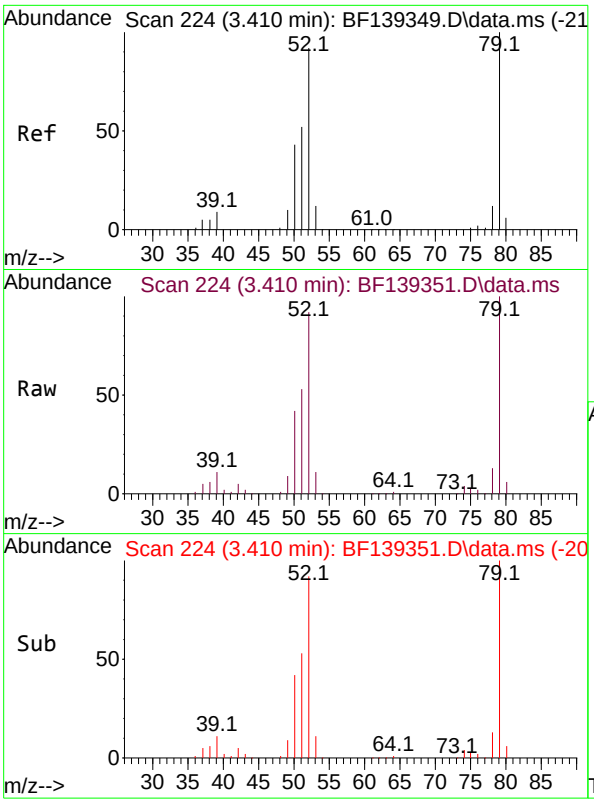



#2
1,4-Dioxane
Concen: 56.622 ng
RT: 2.658 min Scan# 96
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 88 Resp: 76849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 92.3 | 74.8 | 112.2 |
| 43 | 46.2 | 36.4 | 54.6 |

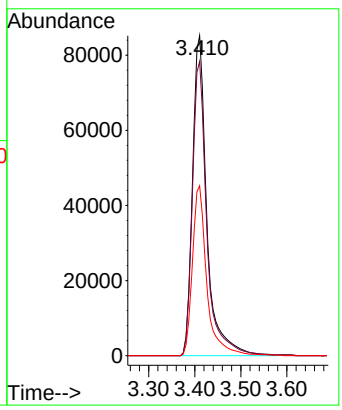





#3
Pyridine
Concen: 61.733 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 79 Resp: 18472

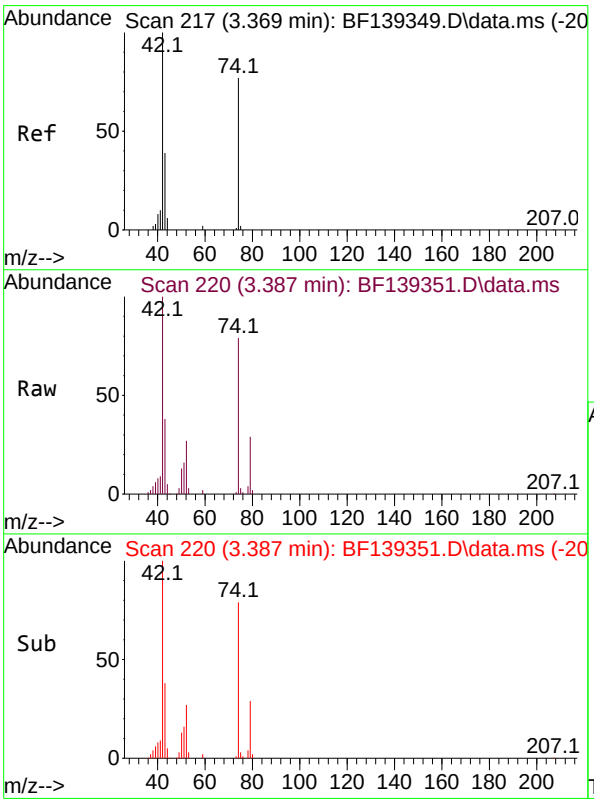
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 91.9 | 73.8 | 110.8 |
| 51 | 53.1 | 41.8 | 62.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

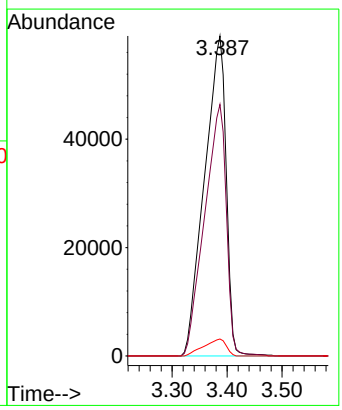
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

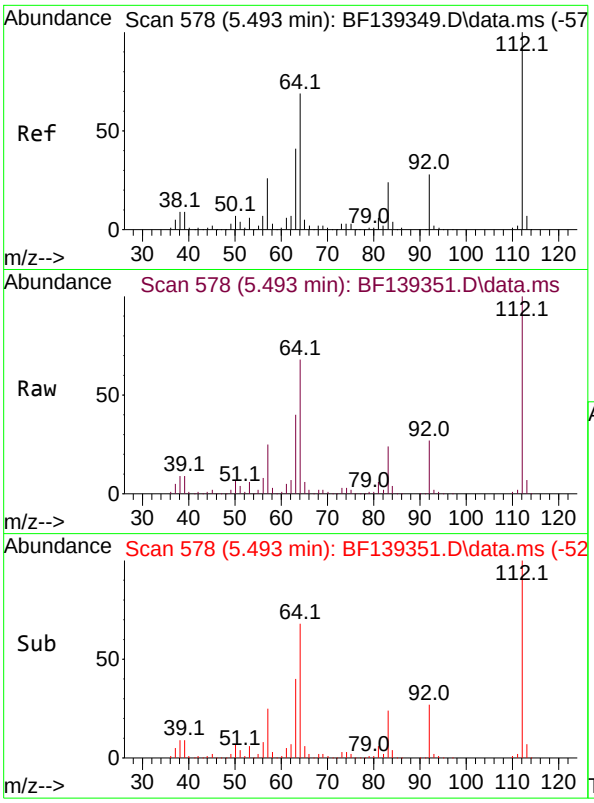



#4
n-Nitrosodimethylamine
Concen: 62.147 ng
RT: 3.387 min Scan# 220
Delta R.T. 0.018 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 42 Resp: 161188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 78.6 | 61.8 | 92.8 |
| 44 | 5.3 | 4.8 | 7.2 |






#5
2-Fluorophenol
Concen: 122.773 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

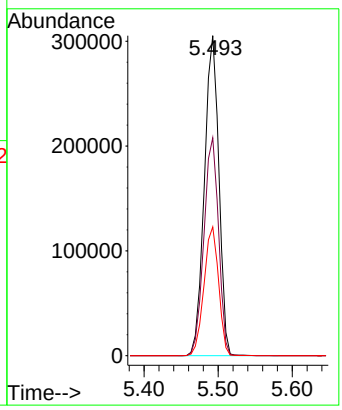
Tgt Ion:112 Resp: 41533

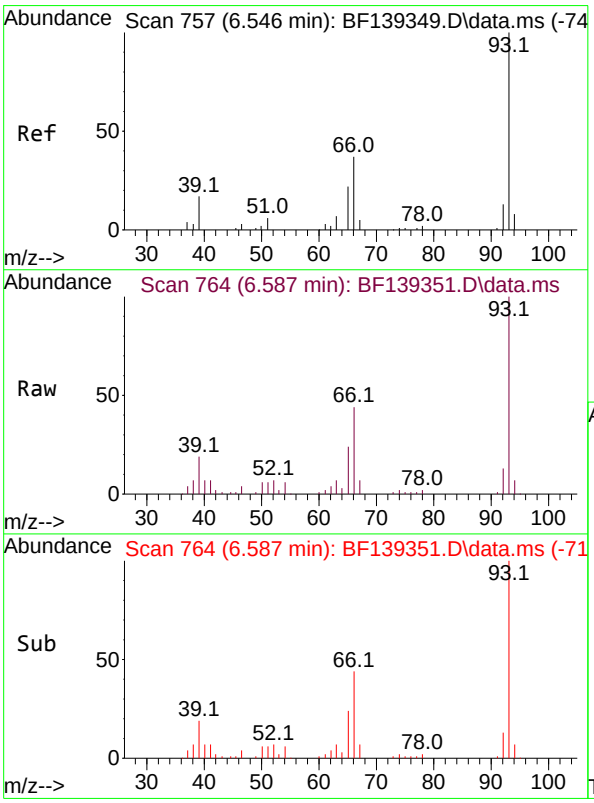
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.1 | 54.8 | 82.2 |
| 63 | 40.3 | 33.0 | 49.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

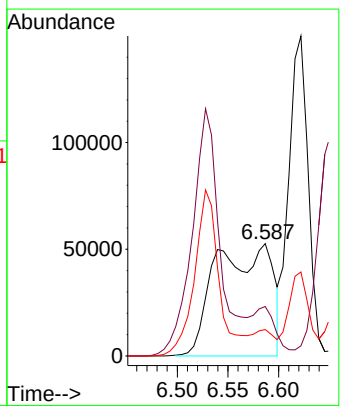


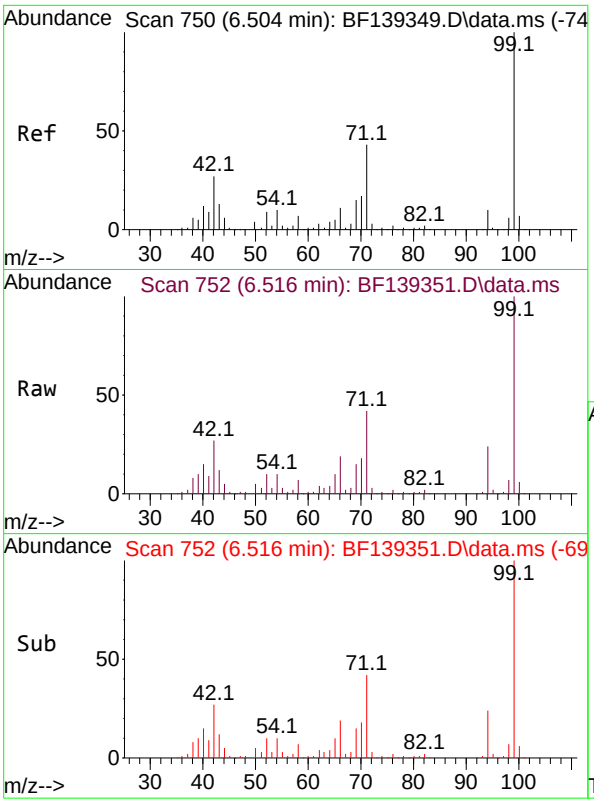




#6
Aniline
Concen: 67.626 ng m
RT: 6.587 min Scan# 764
Delta R.T. 0.018 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 93 Resp: 202424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 44.0 | 35.4 | 53.0 |
| 65 | 23.5 | 18.2 | 27.4 |






#7
Phenol-d6
Concen: 122.996 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

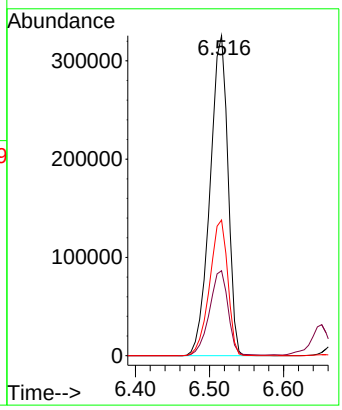
Tgt Ion: 99 Resp: 54613

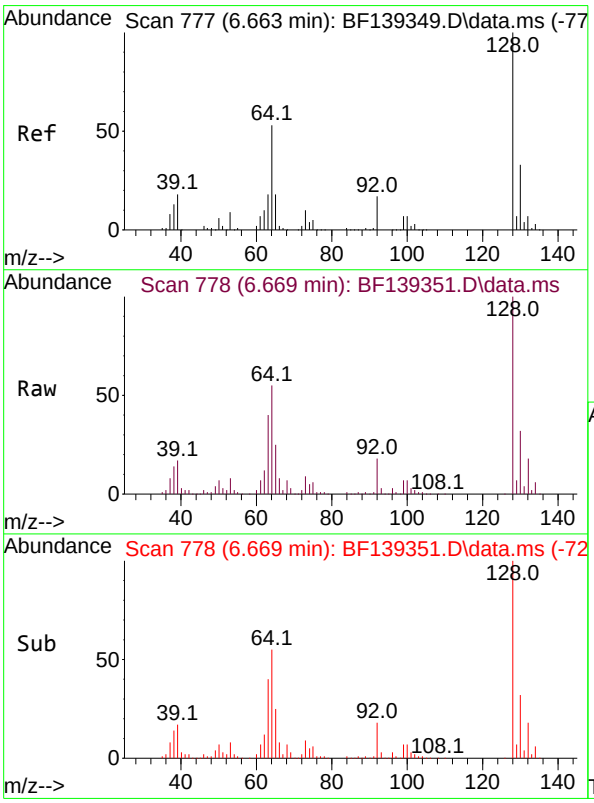
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.5 | 21.9 | 32.9 |
| 71 | 42.4 | 34.6 | 52.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

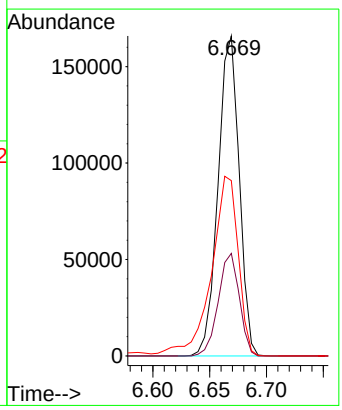


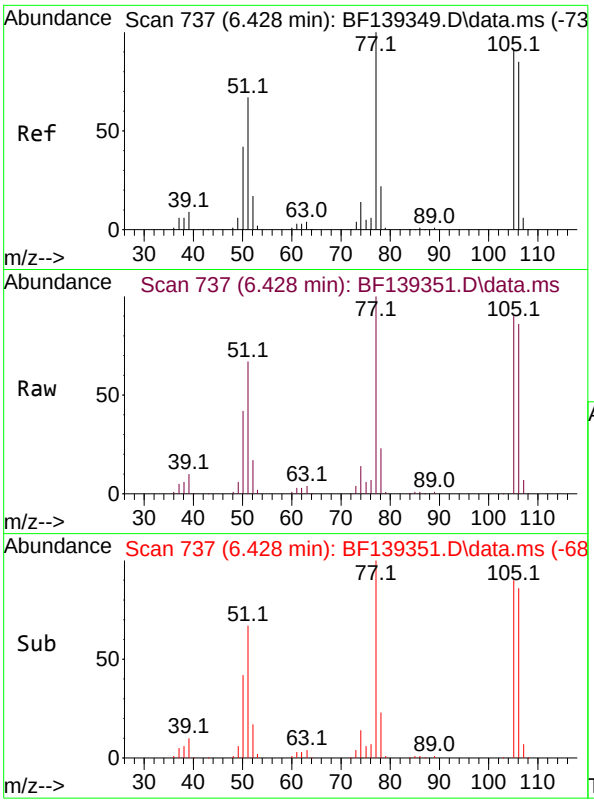




#8
2-Chlorophenol
Concen: 61.675 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:128 Resp: 214769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.8 | 52.8 |
| 64 | 54.8 | 35.1 | 75.1 |

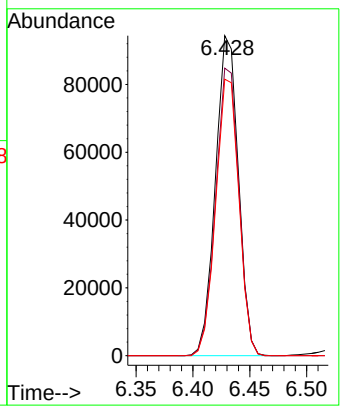





#9
Benzaldehyde
Concen: 54.521 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 77 Resp: 13259

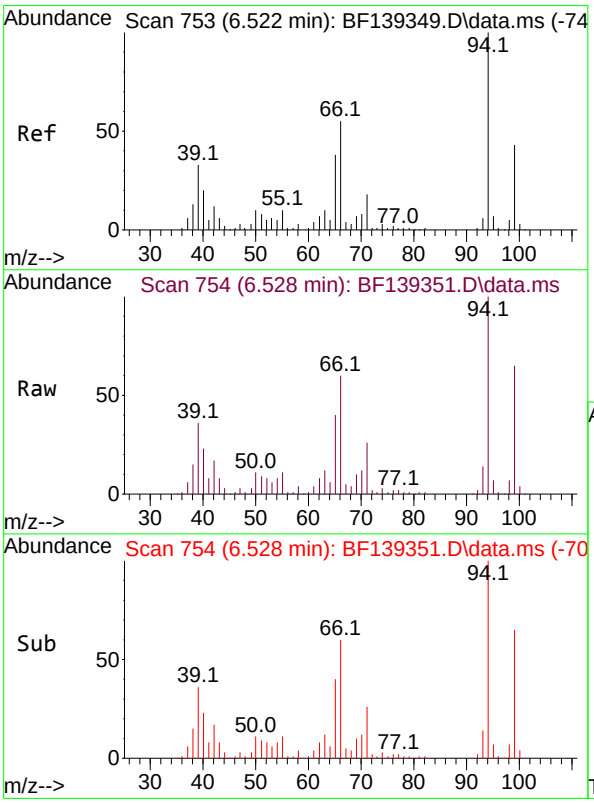
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 89.8 | 71.0 | 111.0 |
| 106 | 86.4 | 64.9 | 104.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

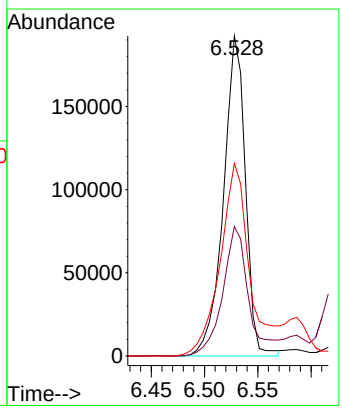
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

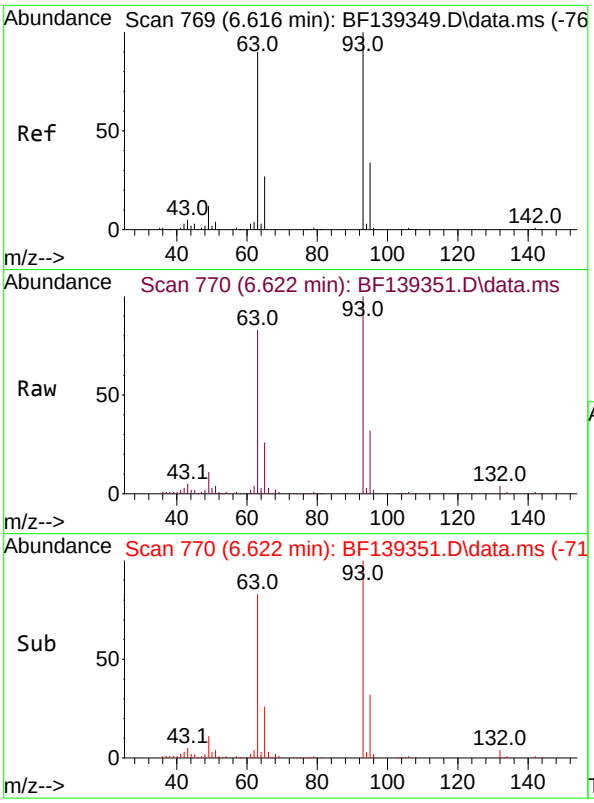



#10
Phenol
Concen: 61.089 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 94 Resp: 276269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.5 | 17.6 | 57.6 |
| 66 | 60.2 | 35.2 | 75.2 |

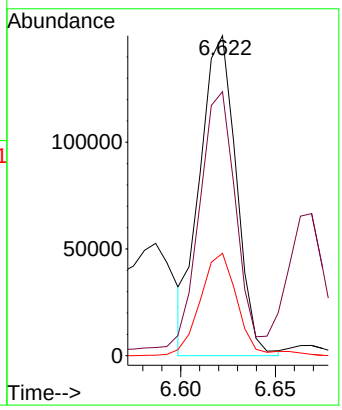





#11
bis(2-Chloroethyl)ether
Concen: 58.376 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 93 Resp: 20065

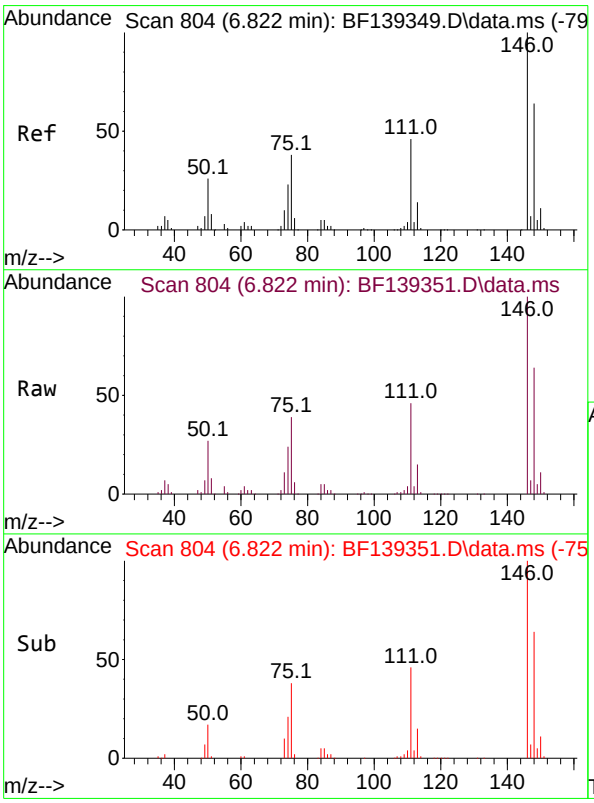
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.5 | 65.3 | 105.3 |
| 95 | 32.0 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

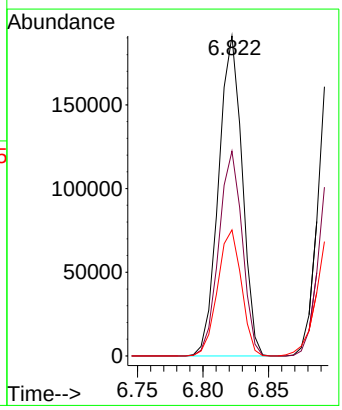
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

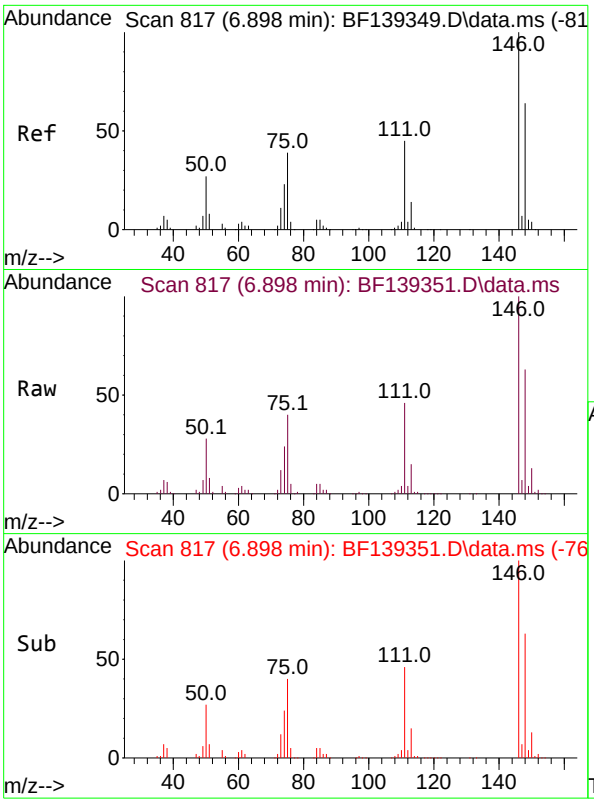



#12
1,3-Dichlorobenzene
Concen: 60.370 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:146 Resp: 239082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.2 | 76.8 |
| 75 | 39.4 | 30.6 | 46.0 |

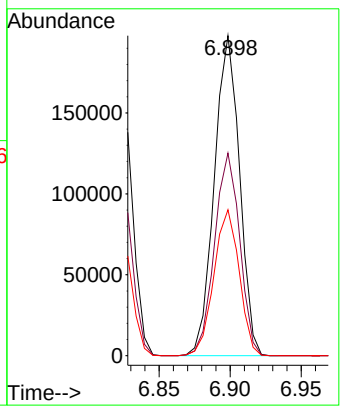





#13
1,4-Dichlorobenzene
Concen: 61.044 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:146 Resp: 24430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.9 | 76.3 |
| 111 | 45.6 | 36.3 | 54.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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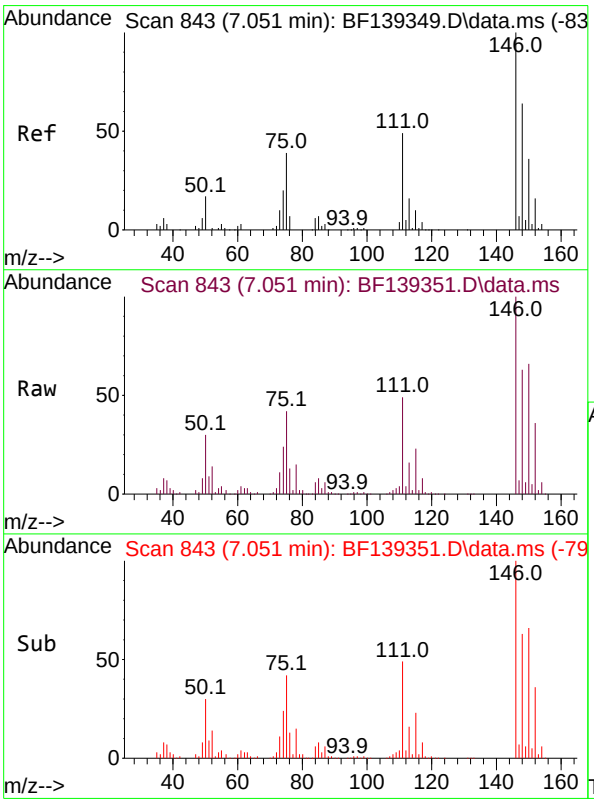
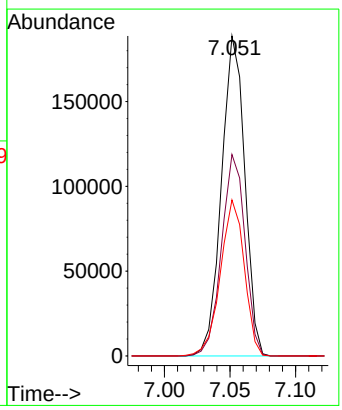
Supervised By :mohammad ahmed 09/16/2024

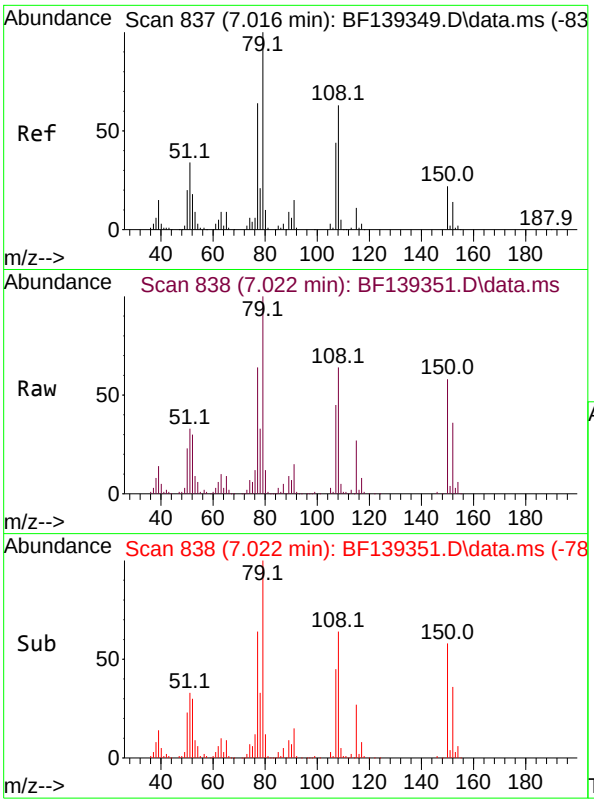



#14
1,2-Dichlorobenzene
Concen: 61.555 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:146 Resp: 232776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 50.9 | 76.3 |
| 111 | 48.7 | 38.9 | 58.3 |






#15
Benzyl Alcohol
Concen: 62.456 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 79 Resp: 22125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 64.5 | 50.4 | 75.6 |
| 77 | 64.3 | 51.4 | 77.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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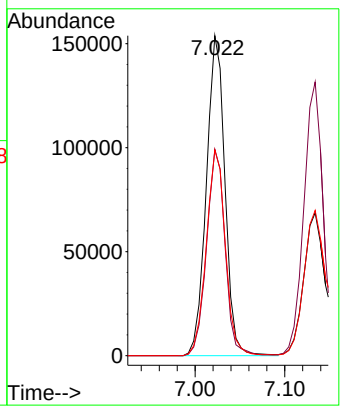
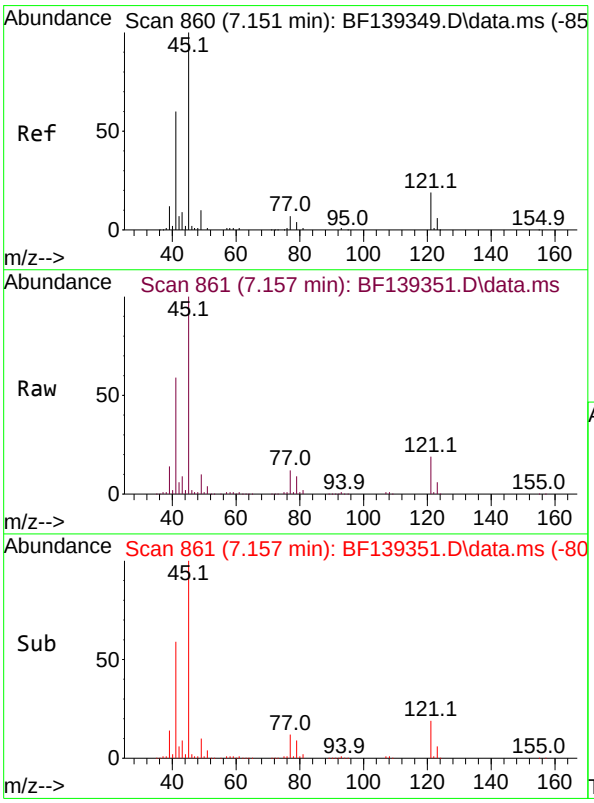
Supervised By :mohammad ahmed 09/16/2024

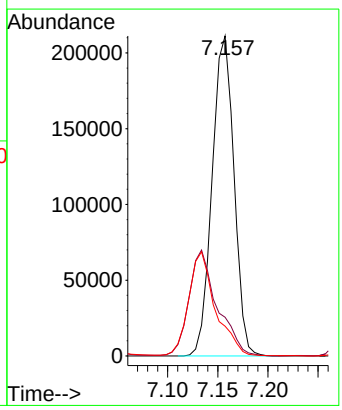


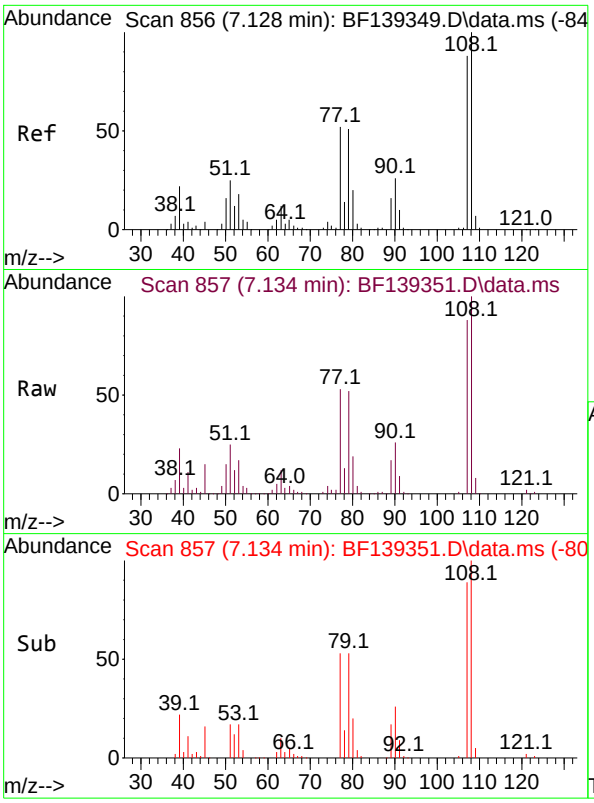




#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.494 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 45 Resp: 320455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.1 | 0.0 | 32.0 |
| 79 | 9.3 | 0.0 | 29.1 |

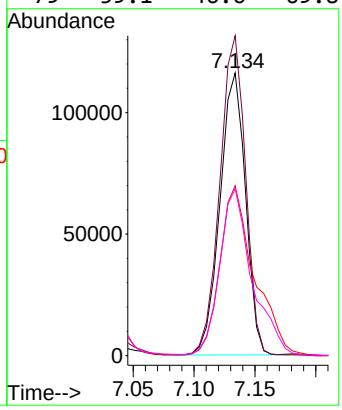





#17
2-Methylphenol
Concen: 61.171 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:107 Resp: 16924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.5 | 135.7 |
| 77 | 60.1 | 47.1 | 70.7 |
| 79 | 59.1 | 46.6 | 69.8 |




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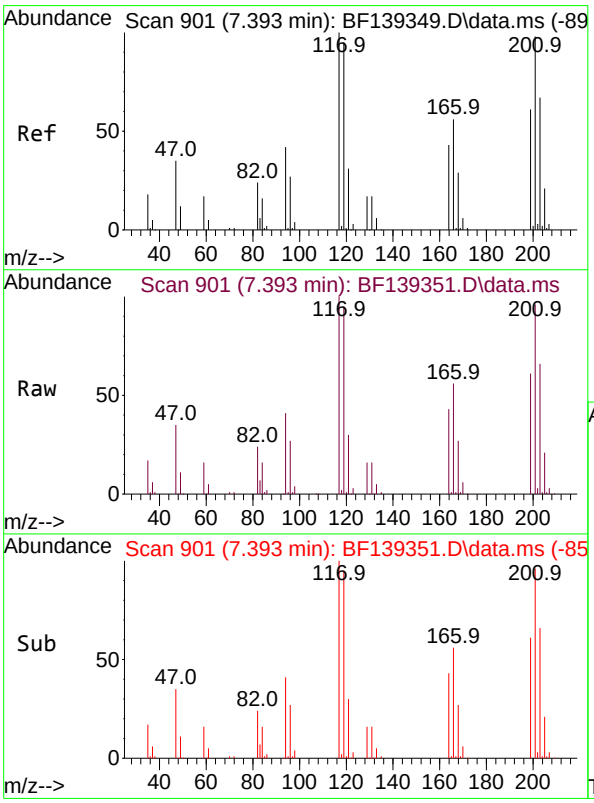
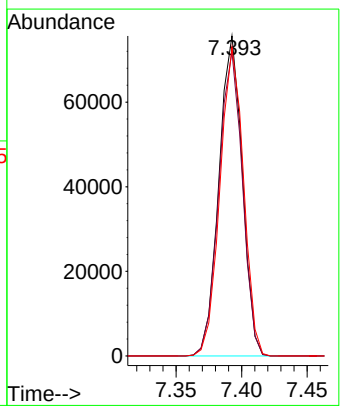
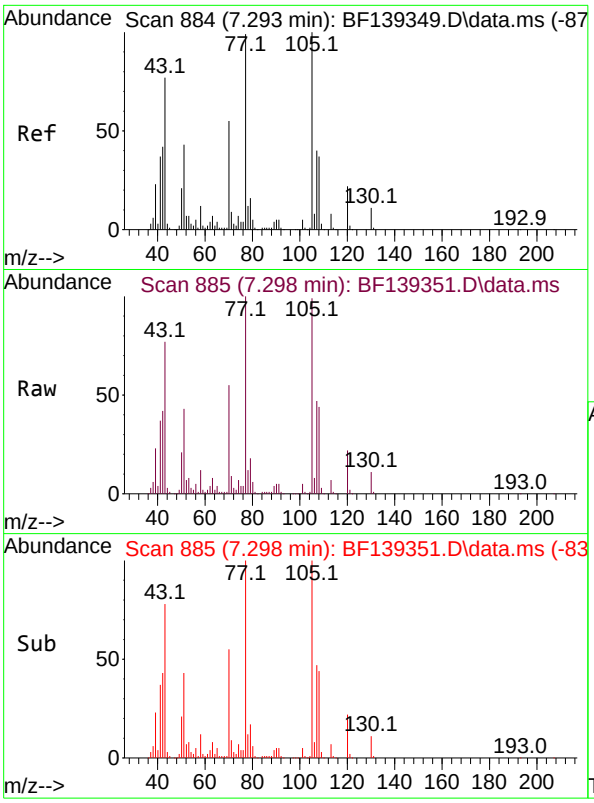



#18
Hexachloroethane
Concen: 61.356 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:117 Resp: 93527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.8 | 113.8 |
| 201 | 96.4 | 78.6 | 118.0 |

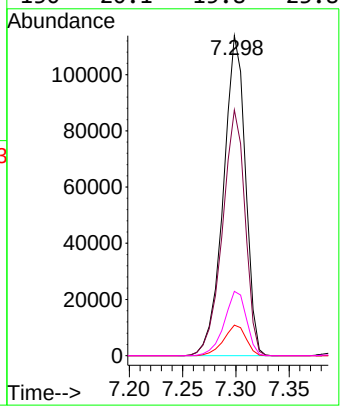





#19
n-Nitroso-di-n-propylamine
Concen: 62.276 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 70 Resp: 16386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 76.8 | 61.2 | 91.8 |
| 101 | 9.5 | 7.5 | 11.3 |
| 130 | 20.1 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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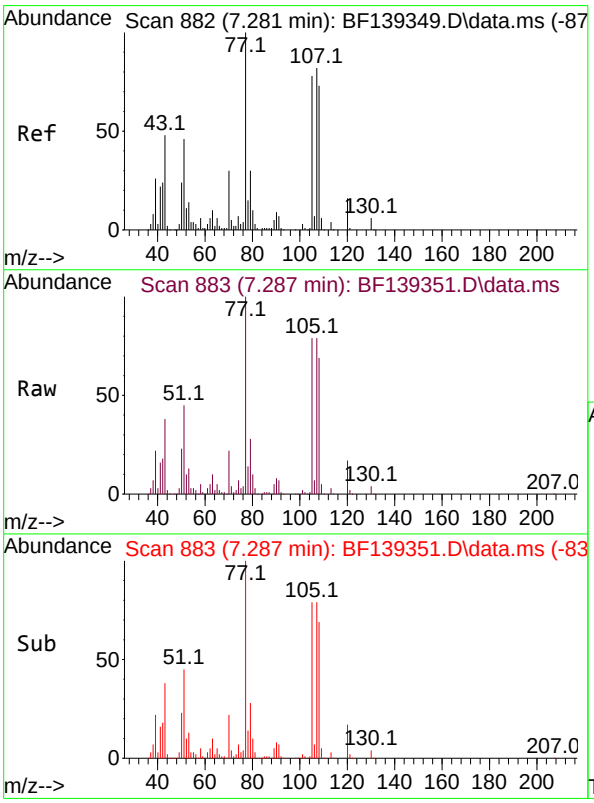
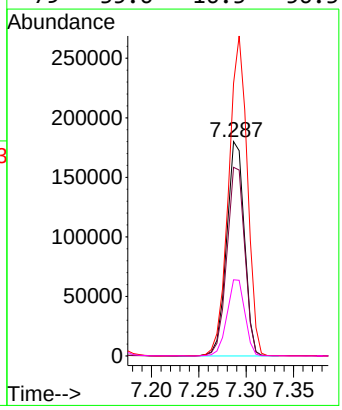
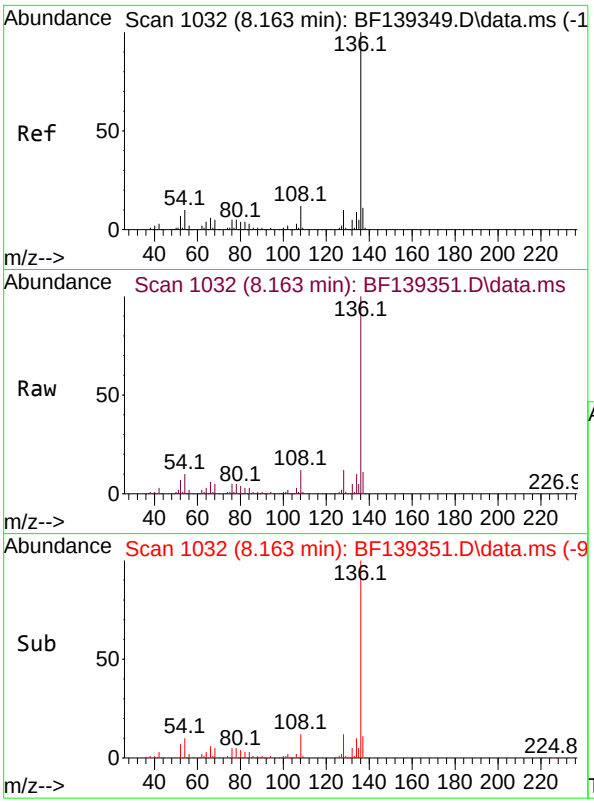



#20
3+4-Methylphenols
Concen: 62.275 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:107 Resp: 235065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.0 | 68.6 | 108.6 |
| 77 | 127.2 | 101.6 | 141.6 |
| 79 | 35.6 | 16.3 | 56.3 |

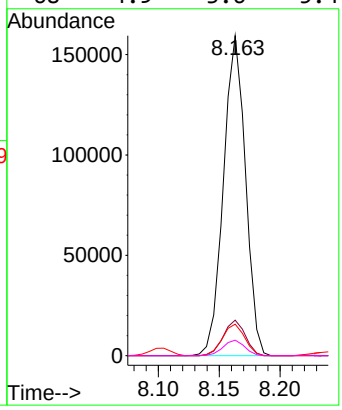





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:136 Resp: 20071(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.9 | 3.6 | 5.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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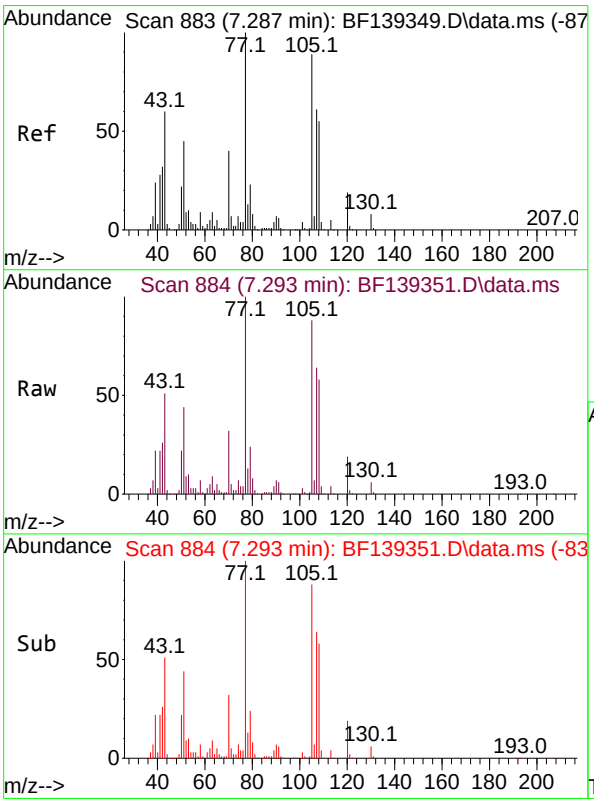
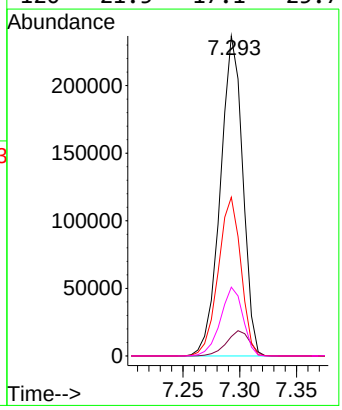
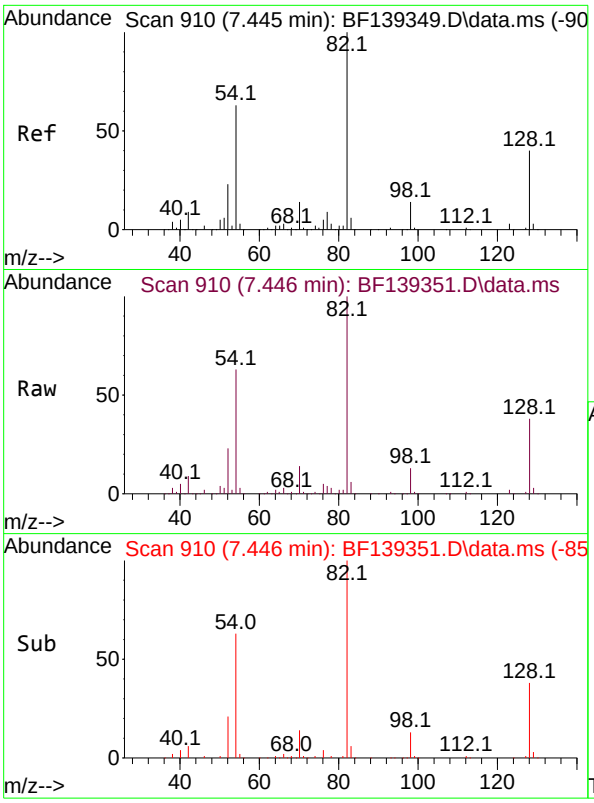



#22
Acetophenone
Concen: 61.930 ng
RT: 7.293 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:105 Resp: 324964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.1 | 5.9 | 8.9 |
| 51 | 49.6 | 40.0 | 60.0 |
| 120 | 21.5 | 17.1 | 25.7 |






#23
Nitrobenzene-d5
Concen: 124.852 ng
RT: 7.446 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 82 Resp: 53305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.0 | 31.8 | 47.6 |
| 54 | 63.3 | 50.6 | 75.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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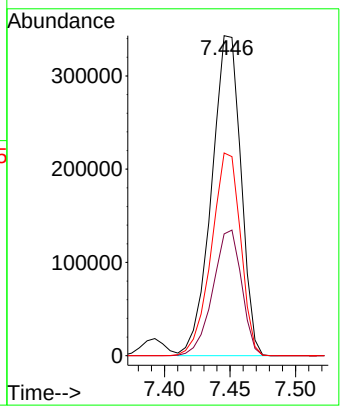
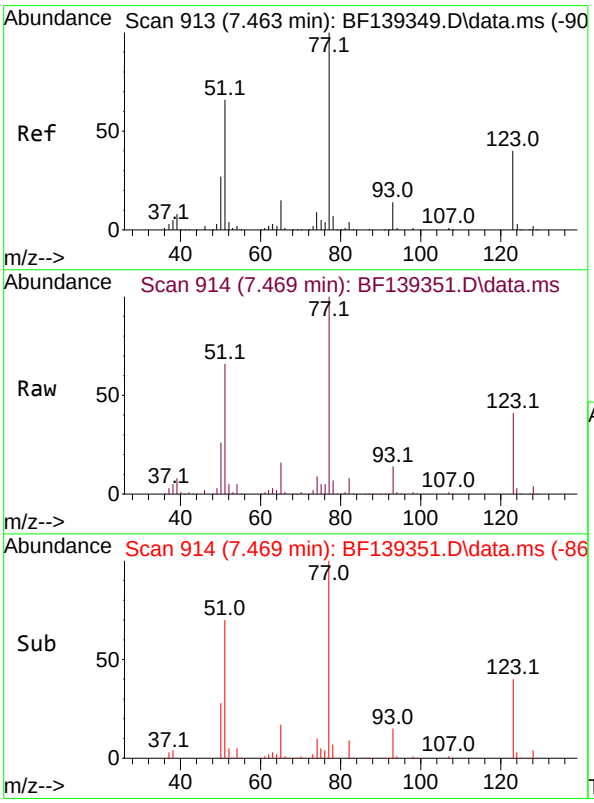
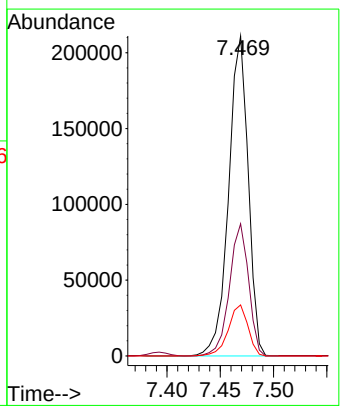


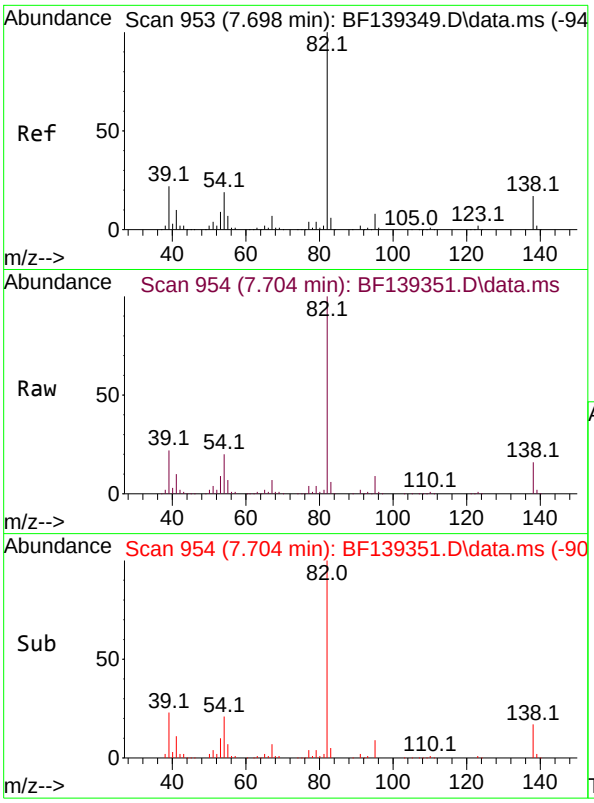




#24
Nitrobenzene
Concen: 61.382 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 77 Resp: 269729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 41.3 | 32.2 | 48.4 |
| 65 | 15.9 | 12.2 | 18.4 |

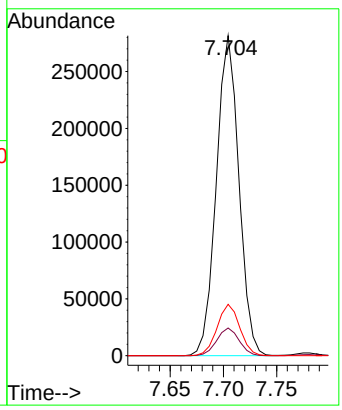





#25
Isophorone
Concen: 61.360 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 82 Resp: 41432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.6 | 6.7 | 10.1 |
| 138 | 16.1 | 13.3 | 19.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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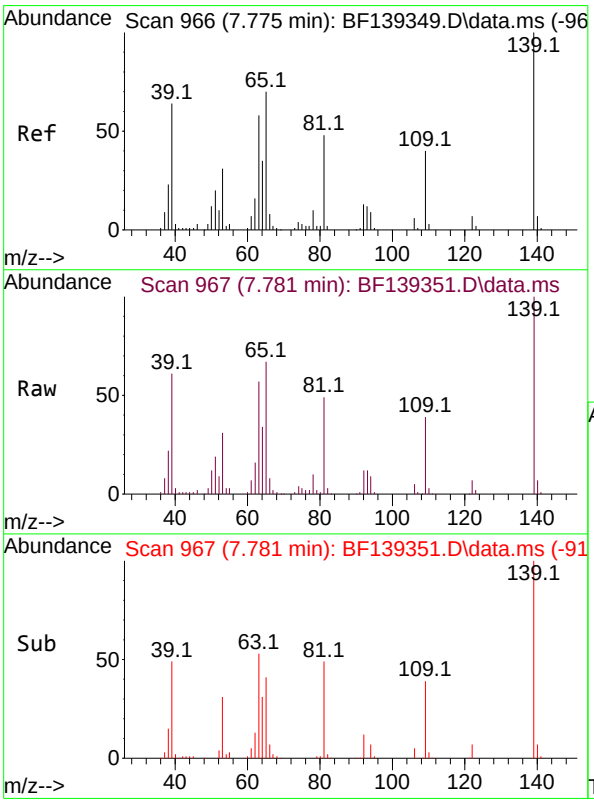
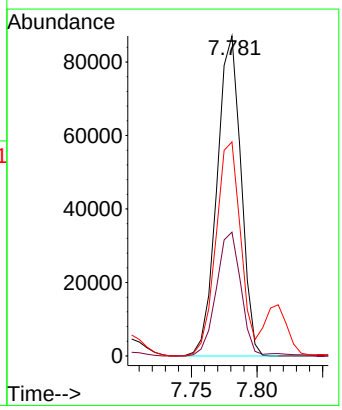
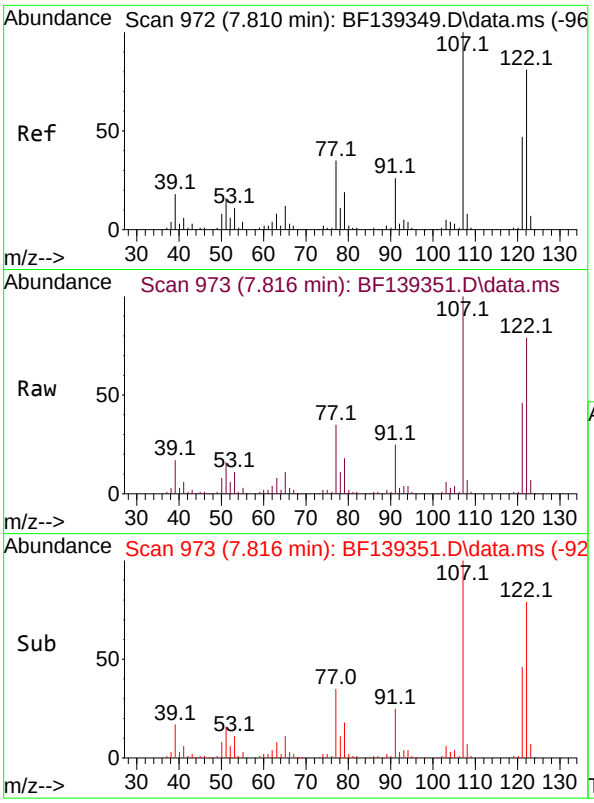



#26
2-Nitrophenol
Concen: 64.806 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:139 Resp: 110946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 38.7 | 32.2 | 48.2 |
| 65 | 66.9 | 55.8 | 83.8 |

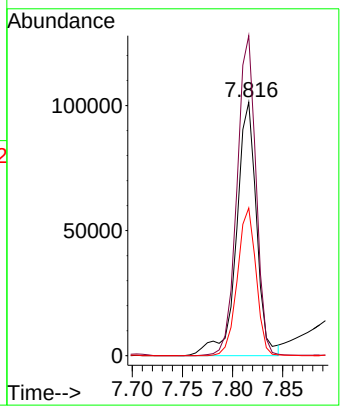





#27
2,4-Dimethylphenol
Concen: 62.698 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:122 Resp: 14158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 126.3 | 99.1 | 148.7 |
| 121 | 58.3 | 46.6 | 70.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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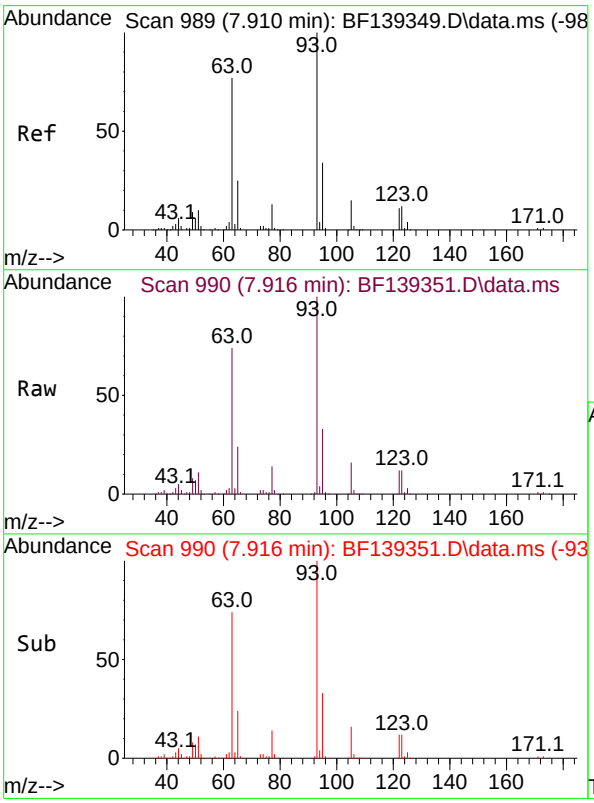
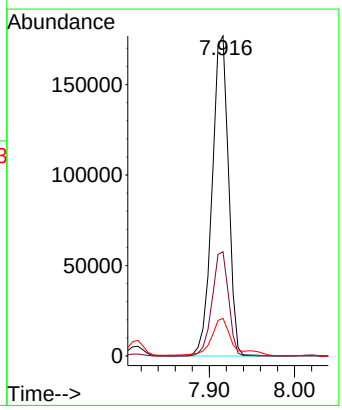
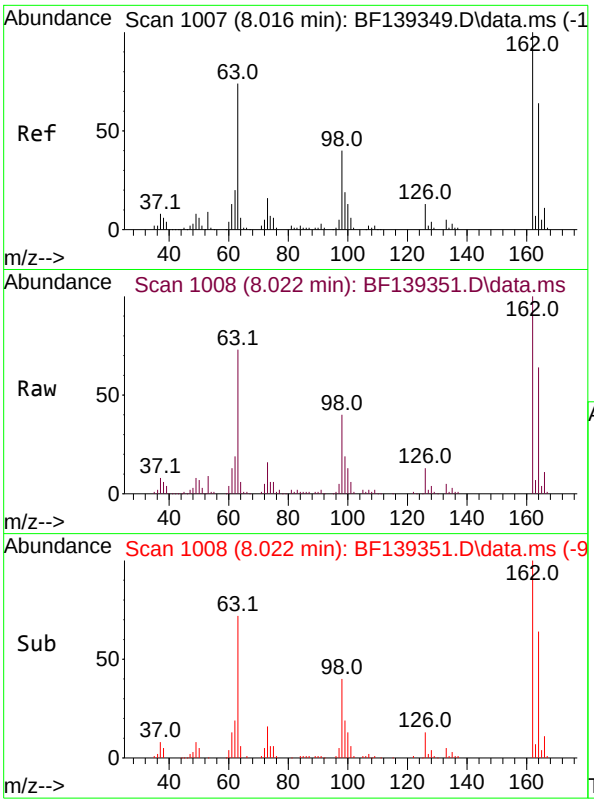



#28
bis(2-Chloroethoxy)methane
Concen: 61.287 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 93 Resp: 235849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.9 | 40.3 |
| 123 | 11.7 | 10.0 | 15.0 |

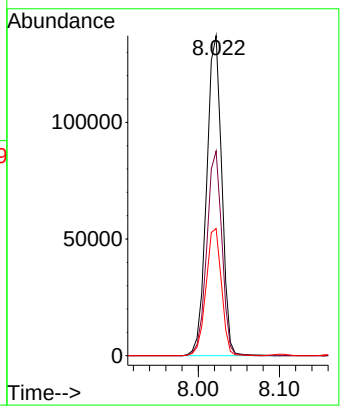





#29
2,4-Dichlorophenol
Concen: 61.752 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:162 Resp: 17715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.6 | 83.6 |
| 98 | 39.7 | 19.7 | 59.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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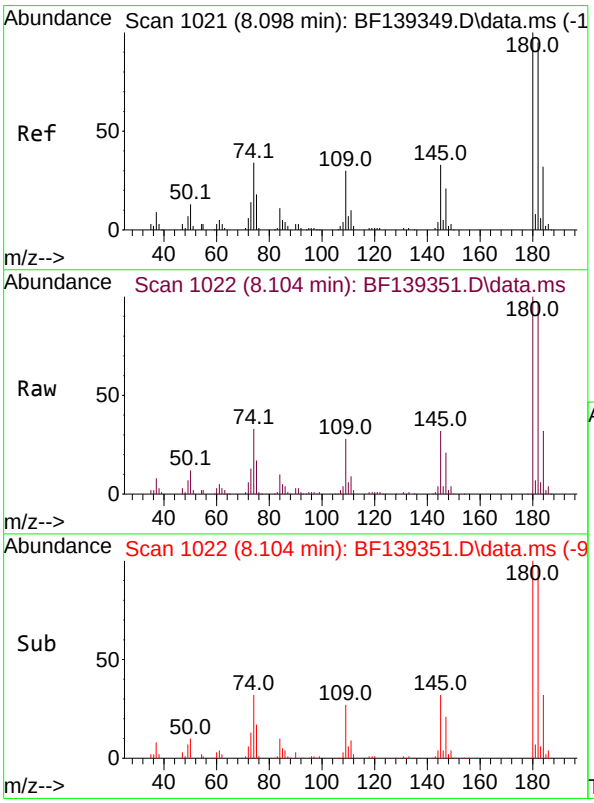
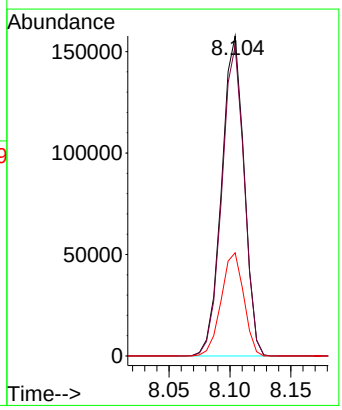
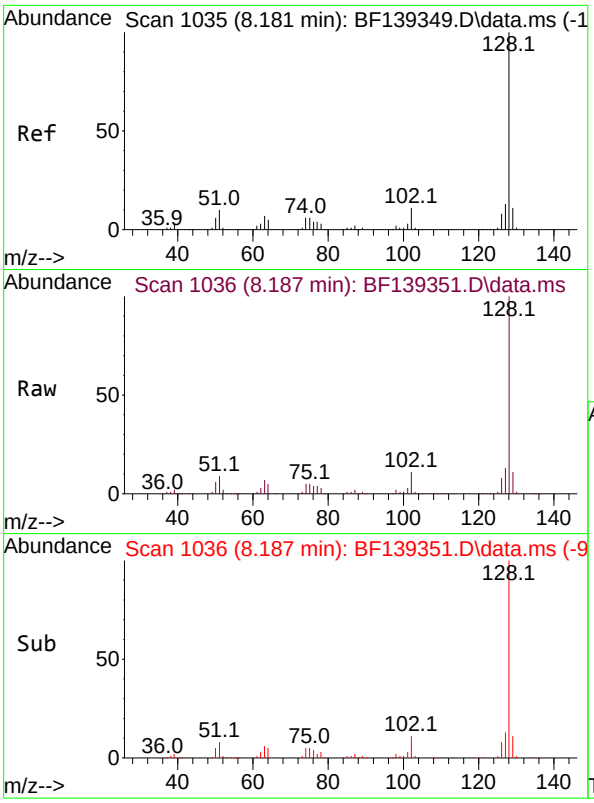



#30
1,2,4-Trichlorobenzene
Concen: 60.625 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:180 Resp: 202649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 75.7 | 113.5 |
| 145 | 32.2 | 26.5 | 39.7 |

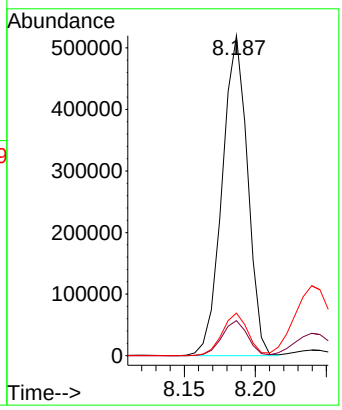





#31
Naphthalene
Concen: 61.819 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:128 Resp: 64776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.6 | 13.0 |
| 127 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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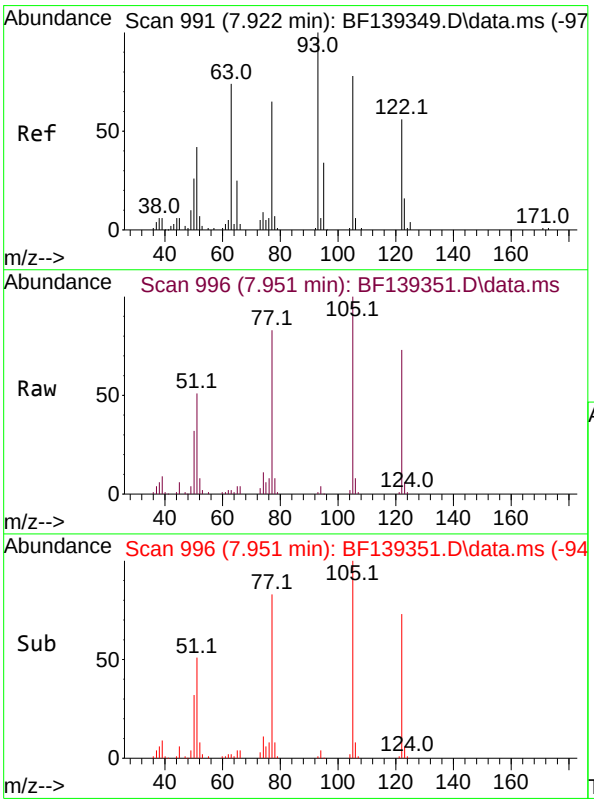
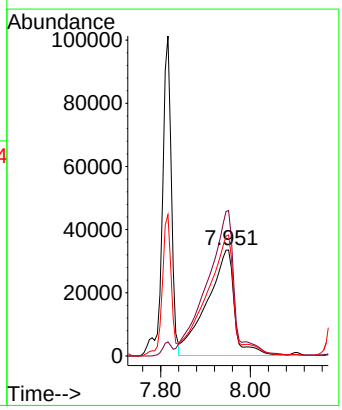
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

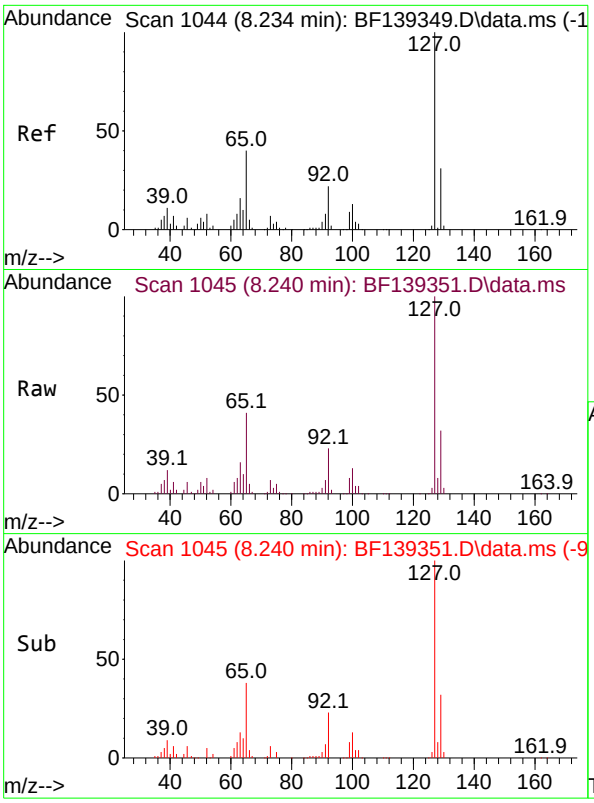



#32
Benzoic acid
Concen: 66.826 ng m
RT: 7.951 min Scan# 996
Delta R.T. 0.029 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:122 Resp: 141779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 137.4 | 117.1 | 157.1 |
| 77 | 114.1 | 95.4 | 135.4 |

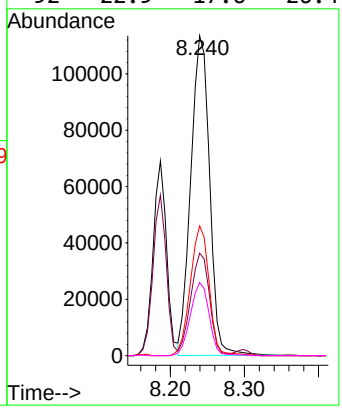





#33
4-Chloroaniline
Concen: 62.450 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:127 Resp: 20019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.5 | 38.3 |
| 65 | 40.5 | 31.5 | 47.3 |
| 92 | 22.9 | 17.6 | 26.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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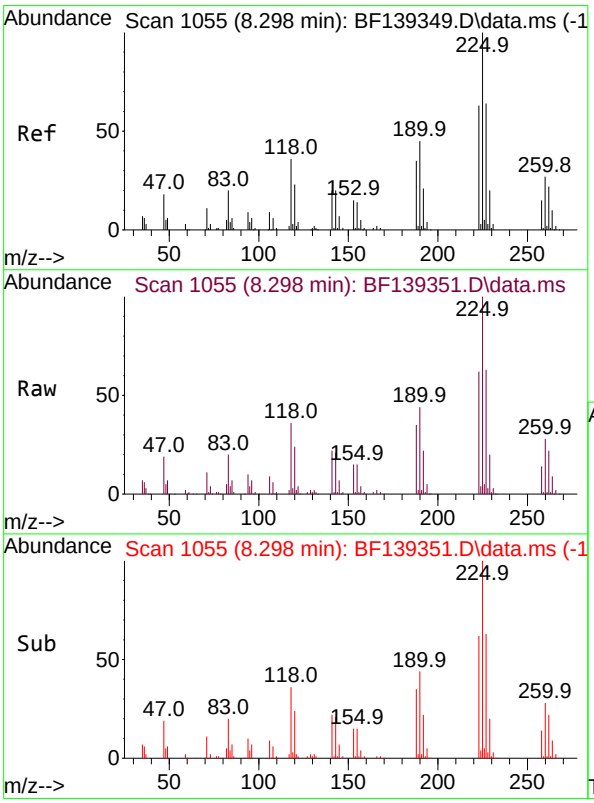
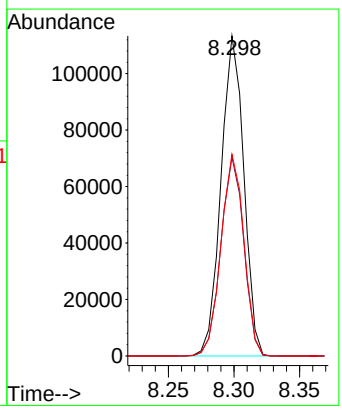
Supervised By :mohammad ahmed 09/16/2024

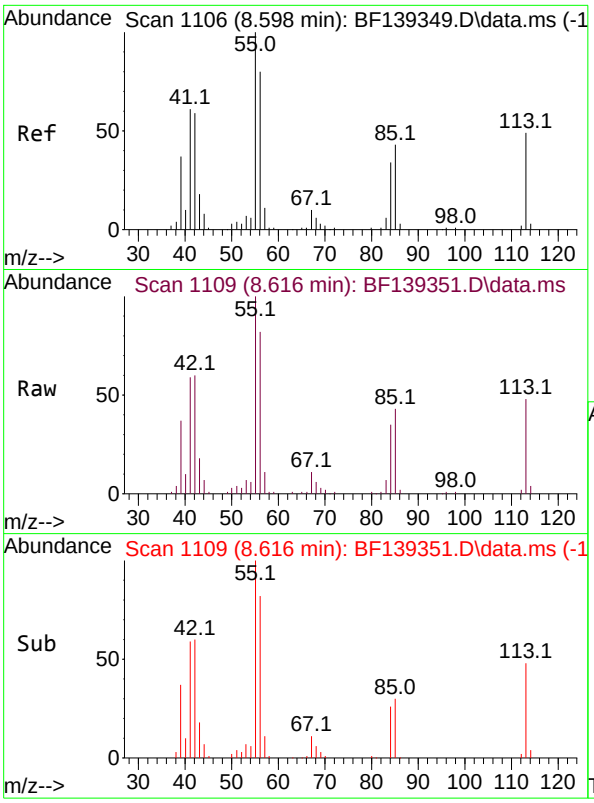



#34
Hexachlorobutadiene
Concen: 60.236 ng
RT: 8.298 min Scan# 1055
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:225 Resp: 136795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 50.1 | 75.1 |
| 227 | 63.0 | 51.0 | 76.6 |

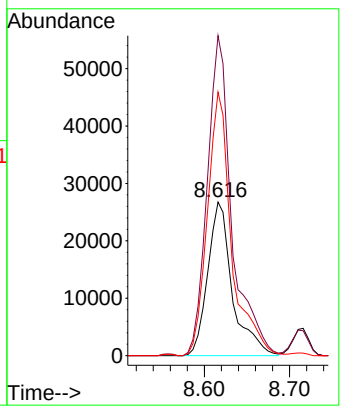





#35
Caprolactam
Concen: 60.885 ng
RT: 8.616 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:113 Resp: 5373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 208.2 | 186.1 | 226.1 |
| 56 | 171.4 | 144.9 | 184.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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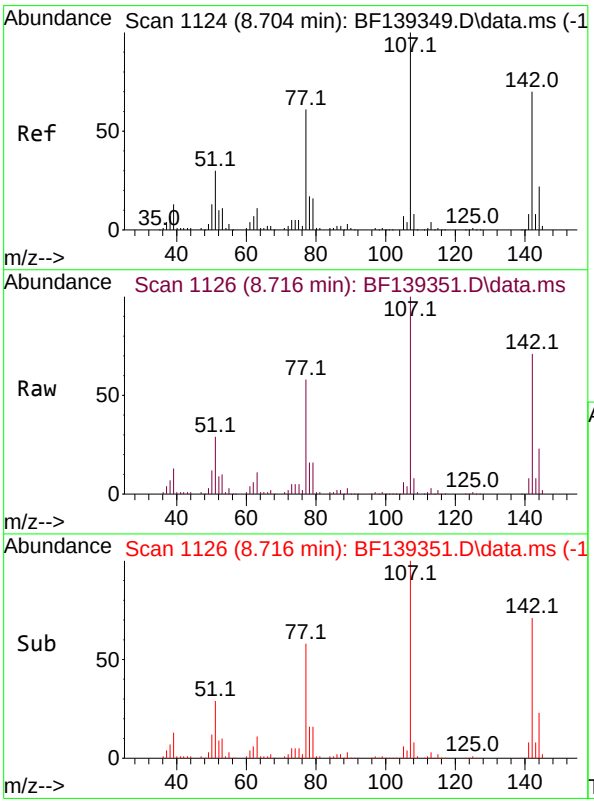
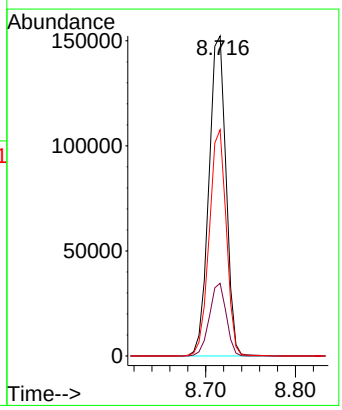
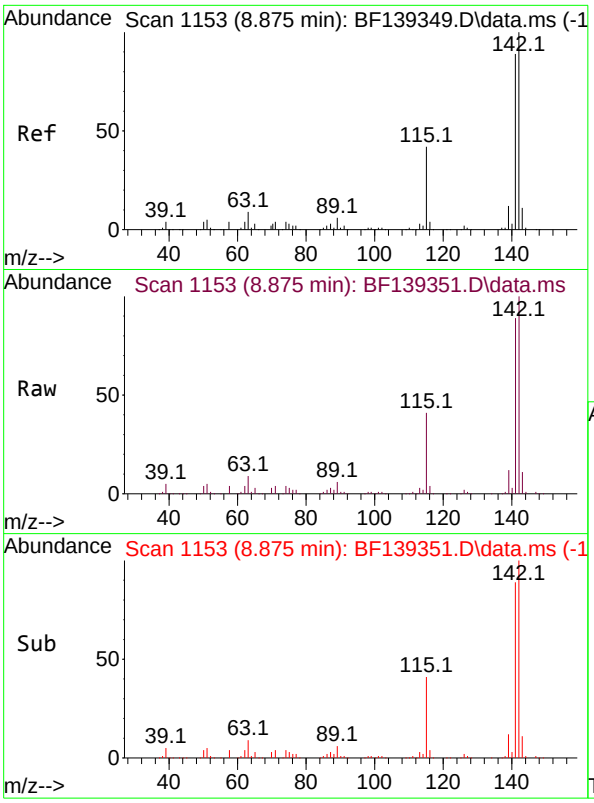



#36
4-Chloro-3-methylphenol
Concen: 61.625 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:107 Resp: 202047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.7 | 17.5 | 26.3 |
| 142 | 70.7 | 55.8 | 83.8 |






#37
2-Methylnaphthalene
Concen: 61.148 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:142 Resp: 40669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 71.6 | 107.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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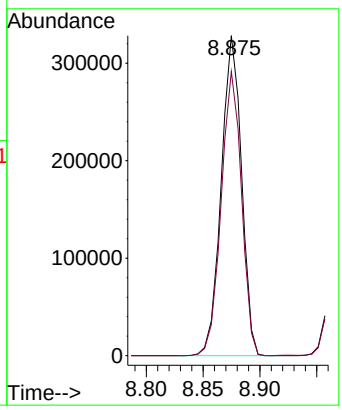
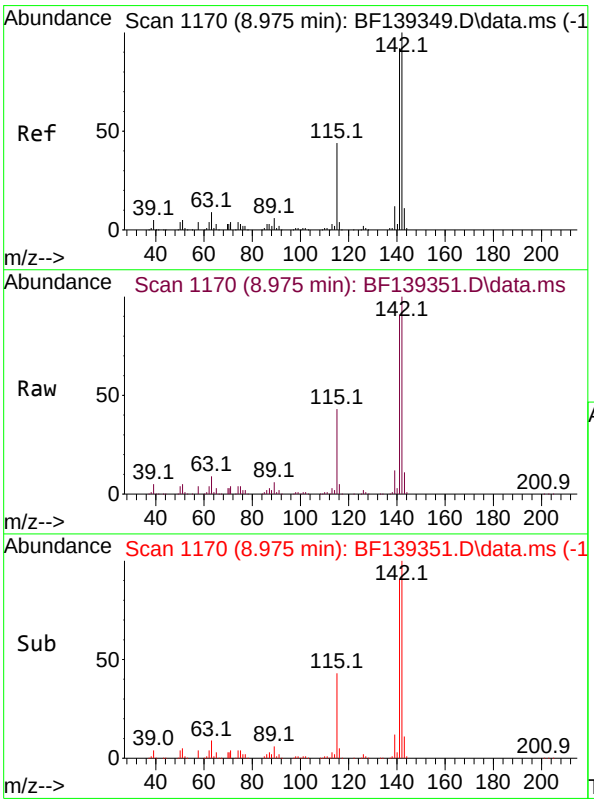
Supervised By :mohammad ahmed 09/16/2024

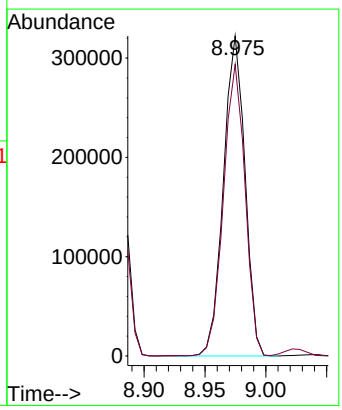


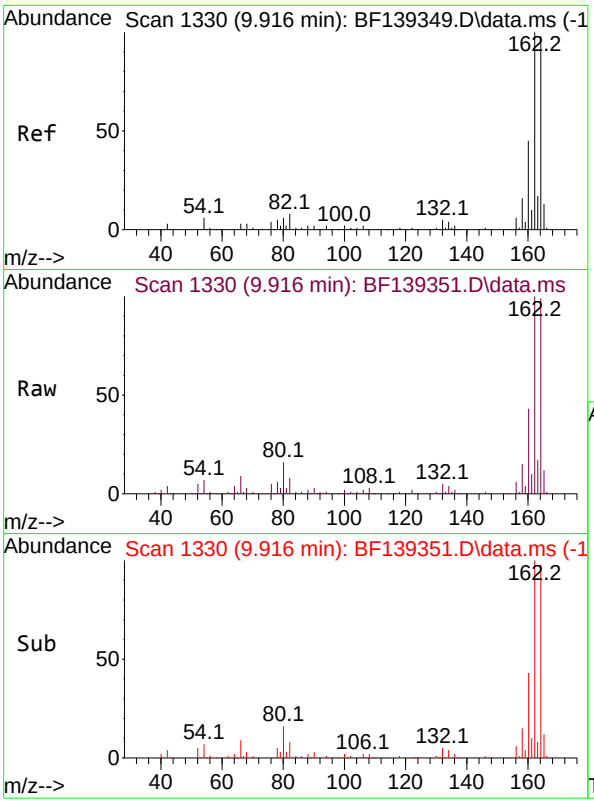




#38
1-Methylnaphthalene
Concen: 60.930 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:142 Resp: 397859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 73.2 | 109.8 |

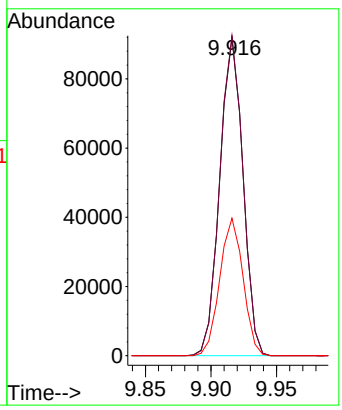





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:164 Resp: 11286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 81.3 | 121.9 |
| 160 | 43.3 | 36.4 | 54.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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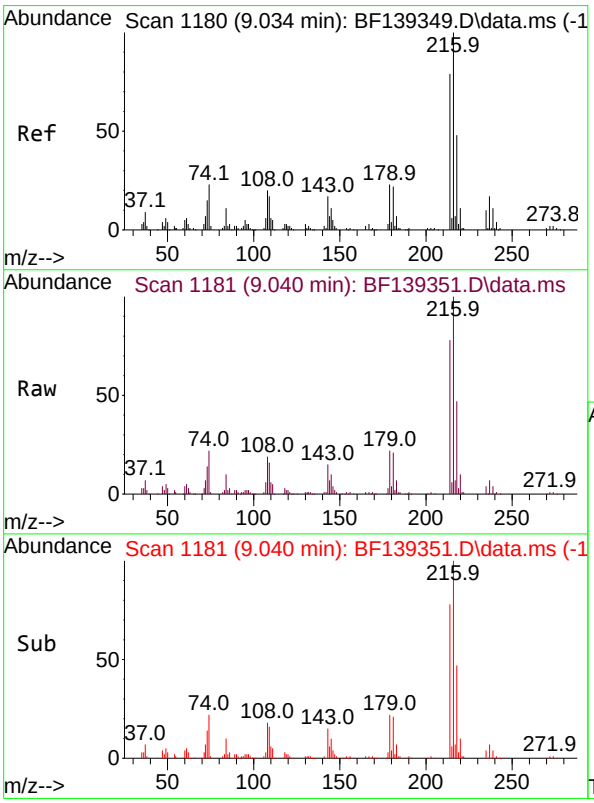
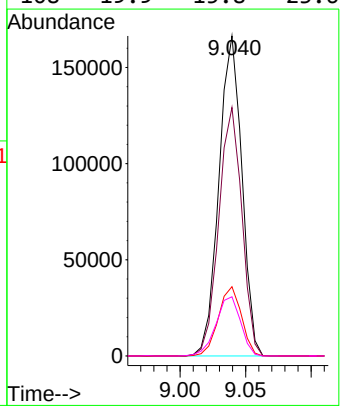
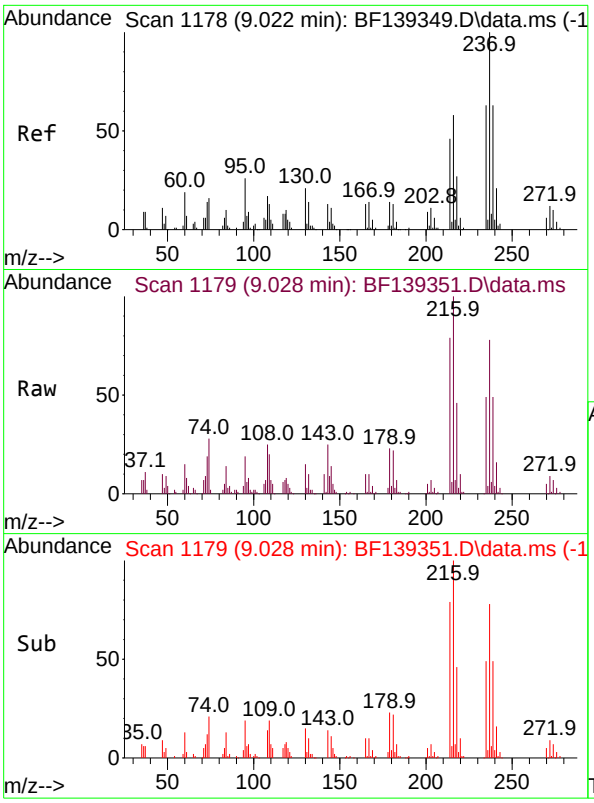



#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.469 ng
RT: 9.040 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:216 Resp: 202263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.1 | 63.4 | 95.0 |
| 179 | 21.9 | 18.2 | 27.2 |
| 108 | 19.9 | 15.8 | 23.6 |

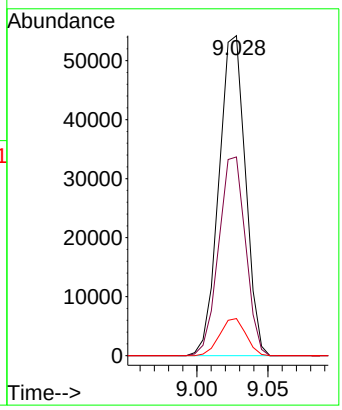





#41
Hexachlorocyclopentadiene
Concen: 60.253 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:237 Resp: 7036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.1 | 42.7 | 82.7 |
| 272 | 11.6 | 0.0 | 32.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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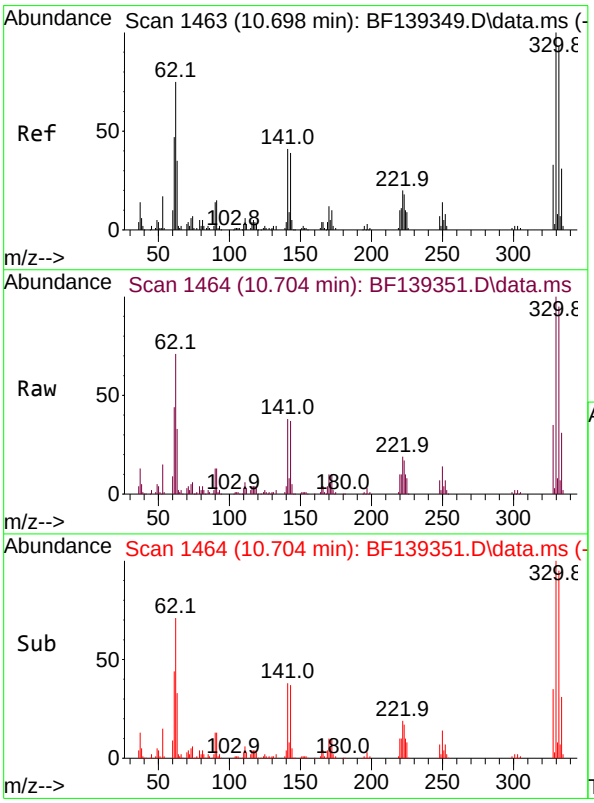
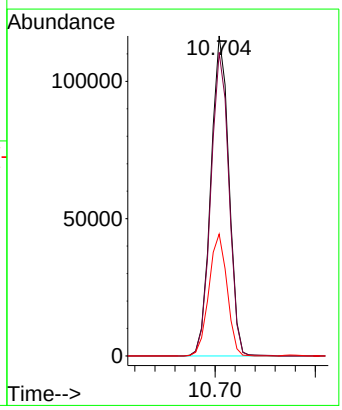
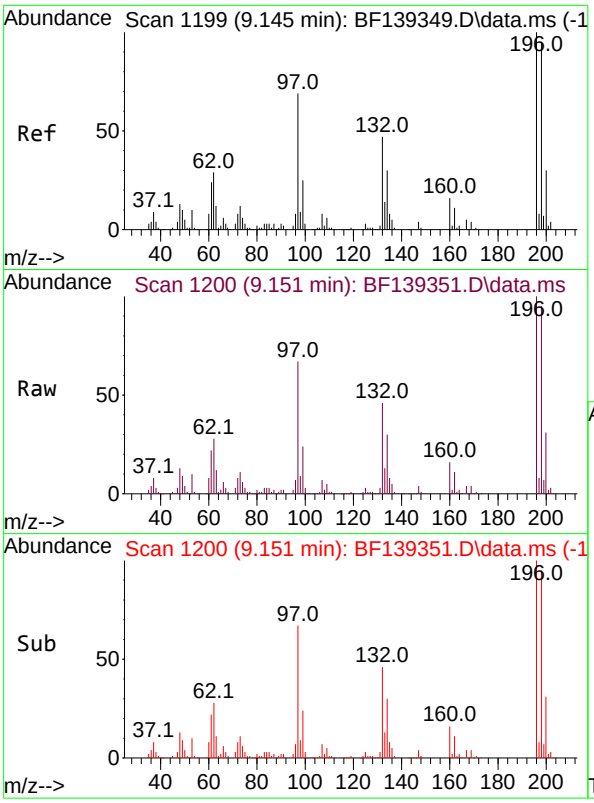



#42
2,4,6-Tribromophenol
Concen: 120.977 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:330 Resp: 145361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 75.2 | 112.8 |
| 141 | 38.4 | 31.2 | 46.8 |

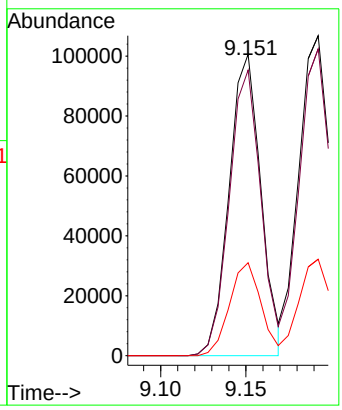





#43
2,4,6-Trichlorophenol
Concen: 59.949 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:196 Resp: 13046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.7 | 75.8 | 113.6 |
| 200 | 30.8 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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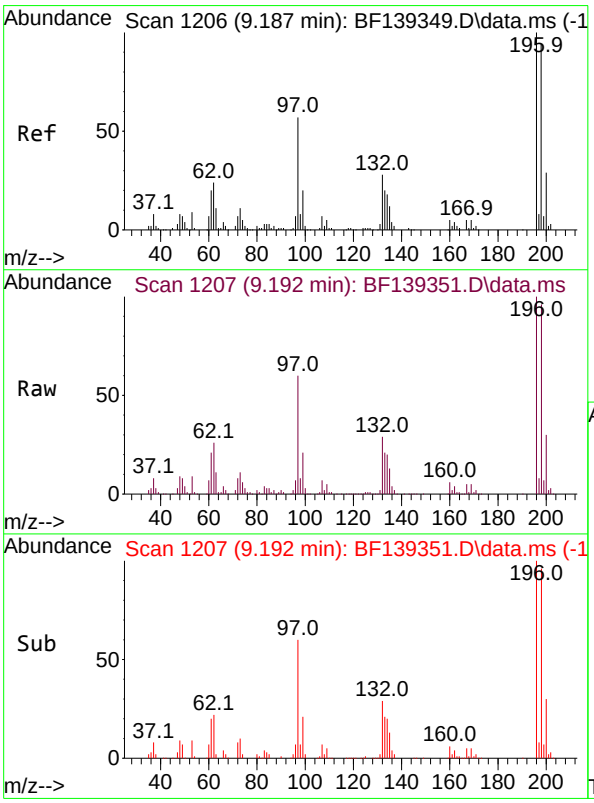
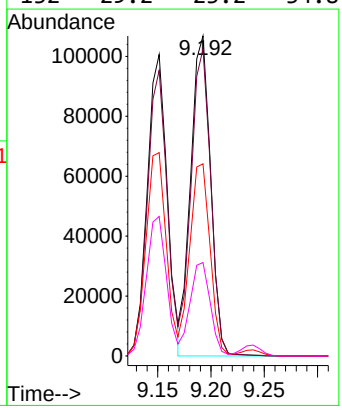
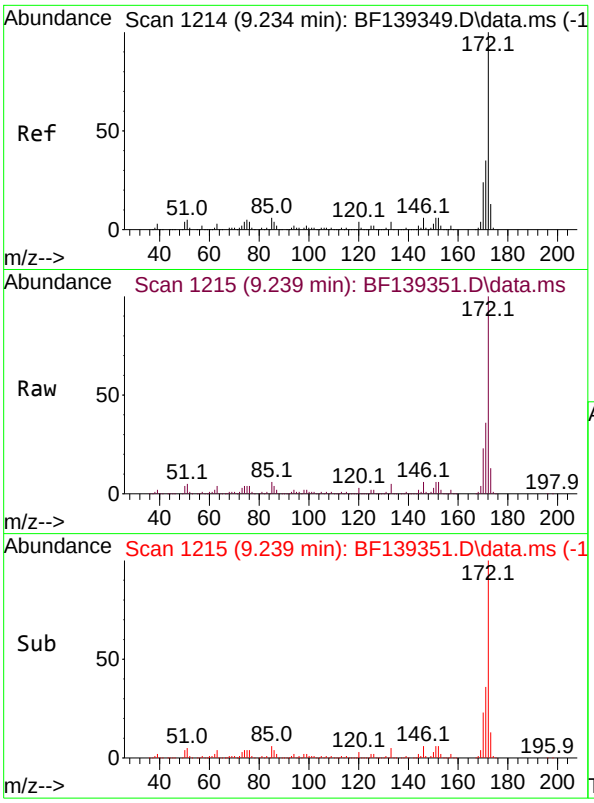



#44
2,4,5-Trichlorophenol
Concen: 60.571 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:196 Resp: 139041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 74.8 | 112.2 |
| 97 | 60.0 | 47.3 | 70.9 |
| 132 | 29.2 | 23.2 | 34.8 |

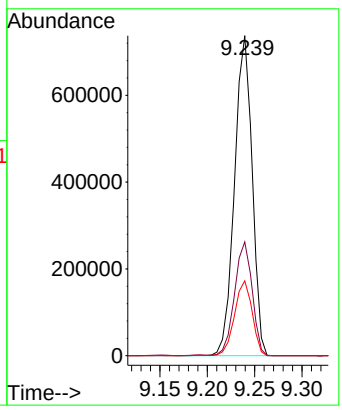





#45
2-Fluorobiphenyl
Concen: 118.368 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:172 Resp: 95252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.6 |




**Instrument :**
BNA_F
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SSTDICC060

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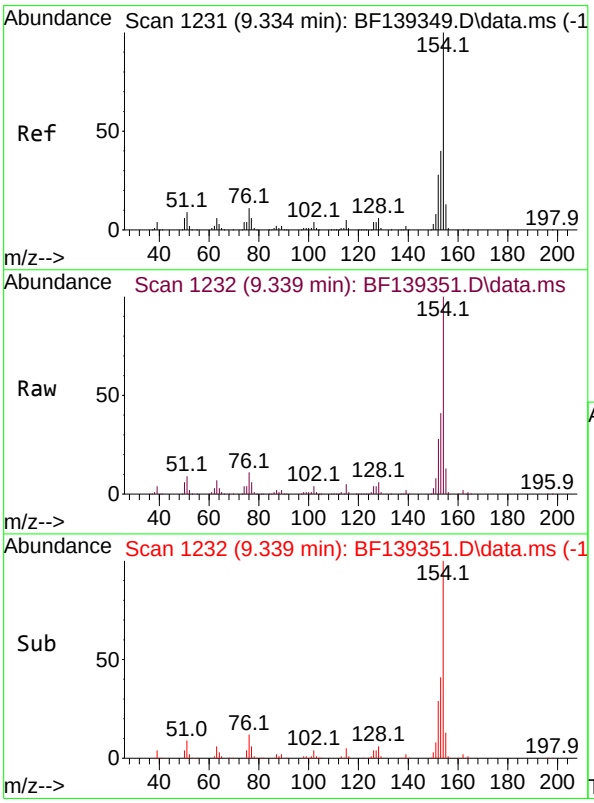
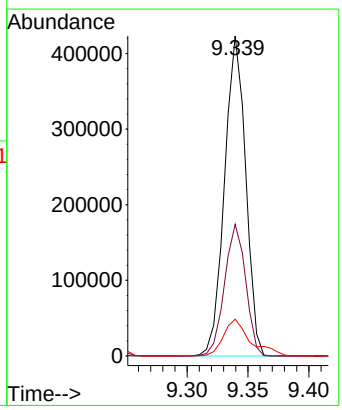
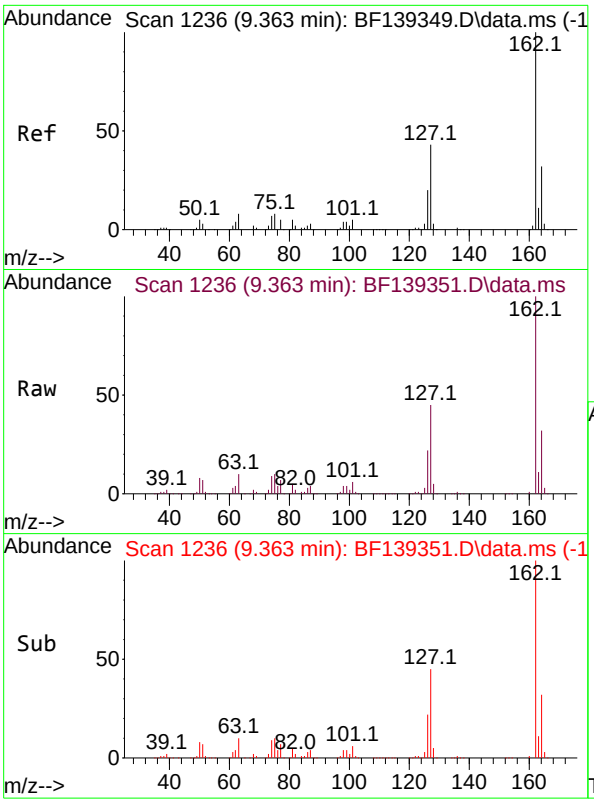



#46
1,1'-Biphenyl
Concen: 58.895 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:154 Resp: 511379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 20.1 | 60.1 |
| 76 | 11.5 | 0.0 | 31.1 |

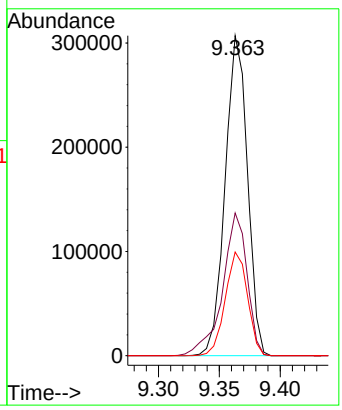





#47
2-Chloronaphthalene
Concen: 60.232 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:162 Resp: 39103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.6 | 35.0 | 52.4 |
| 164 | 32.4 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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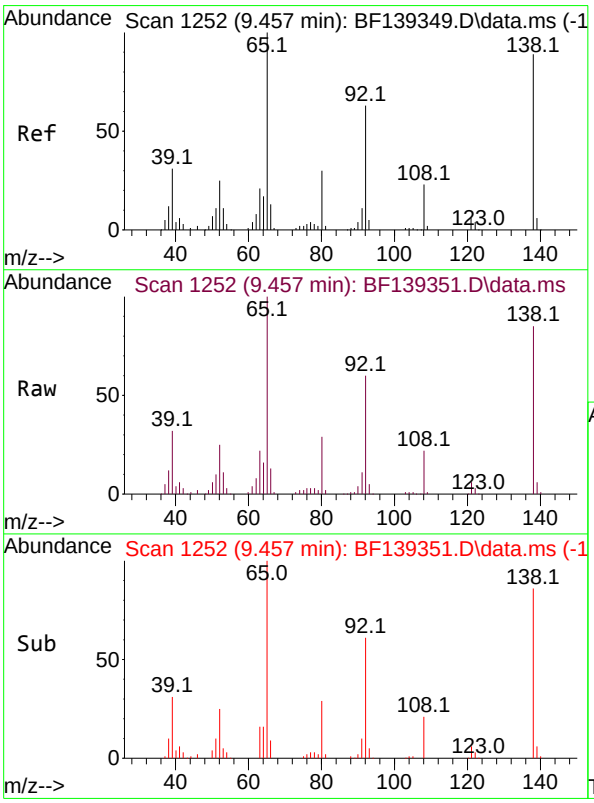
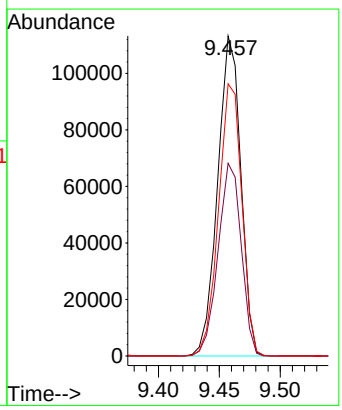
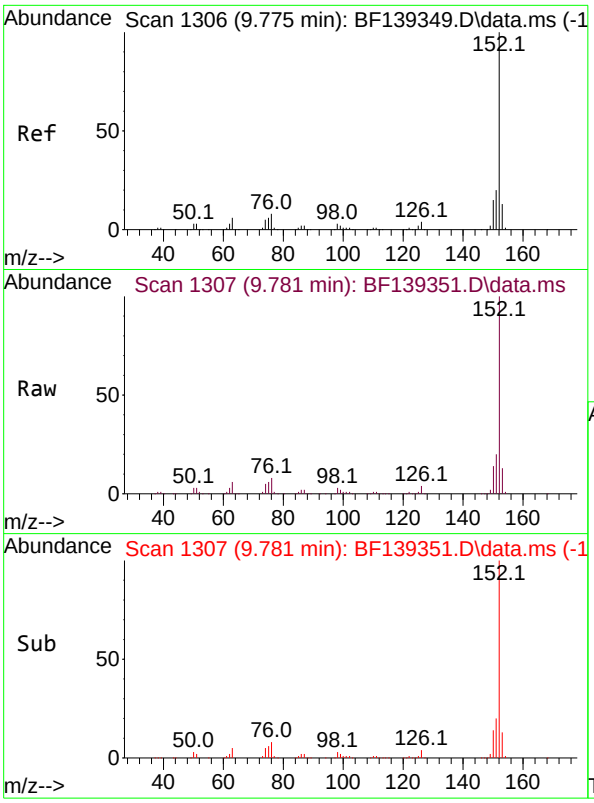



#48
2-Nitroaniline
Concen: 62.050 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 65 Resp: 149834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.2 | 50.3 | 75.5 |
| 138 | 85.1 | 71.3 | 106.9 |

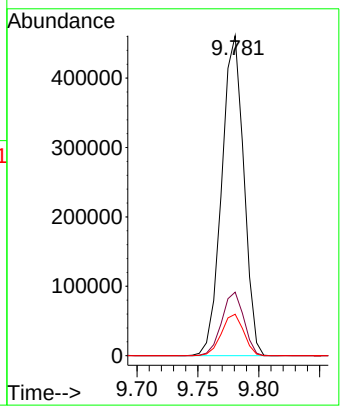





#49
Acenaphthylene
Concen: 59.530 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:152 Resp: 58176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.2 | 24.2 |
| 153 | 12.9 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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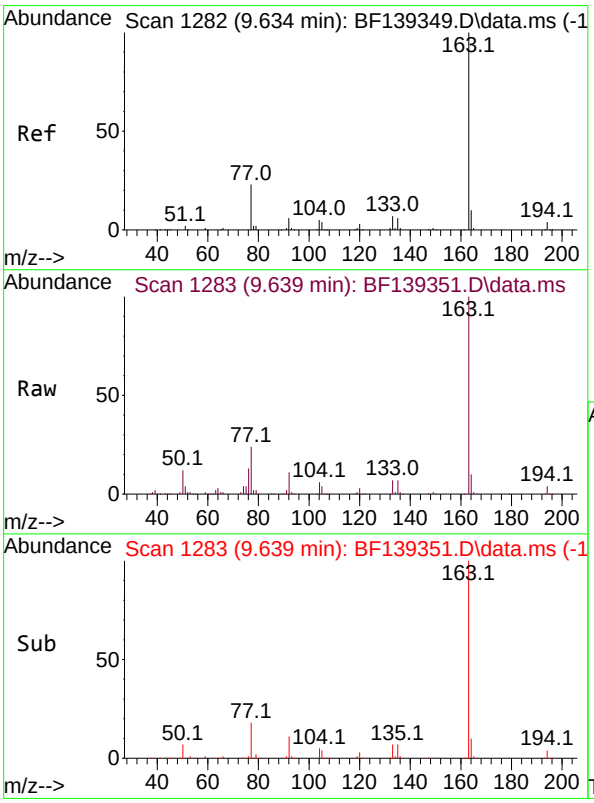
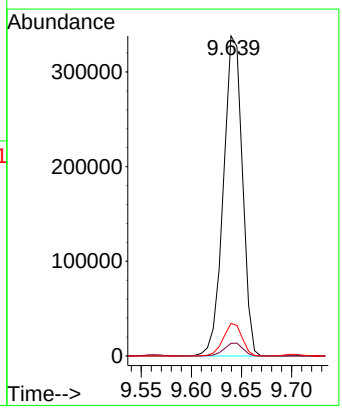
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

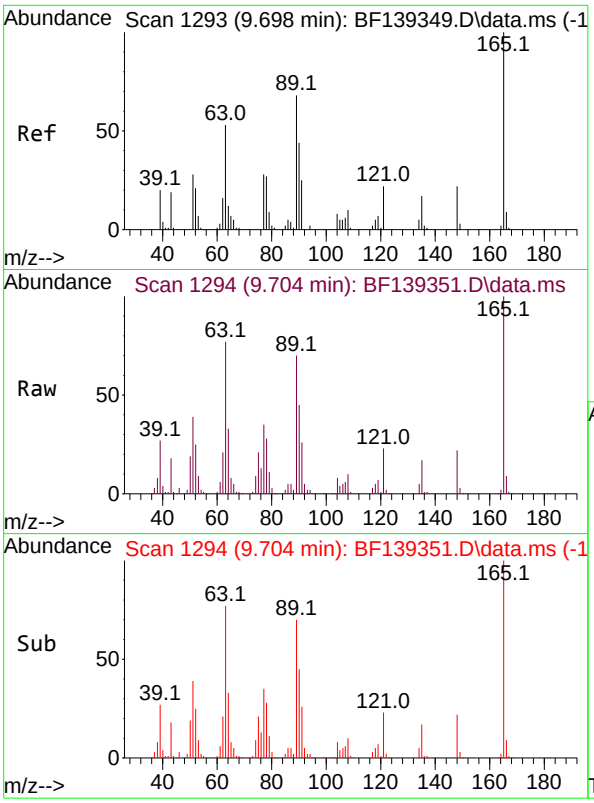



#50
Dimethylphthalate
Concen: 60.032 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:163 Resp: 444695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.1 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 61.074 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:165 Resp: 10022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 77.2 | 60.9 | 91.3 |
| 89 | 70.4 | 54.7 | 82.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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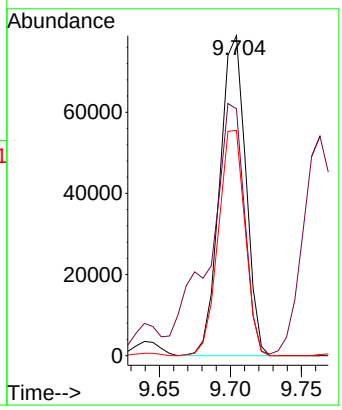
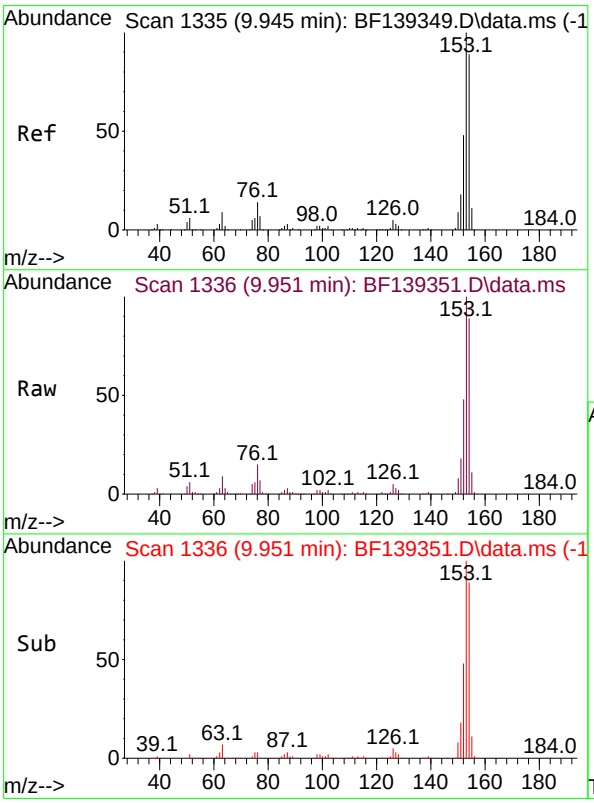
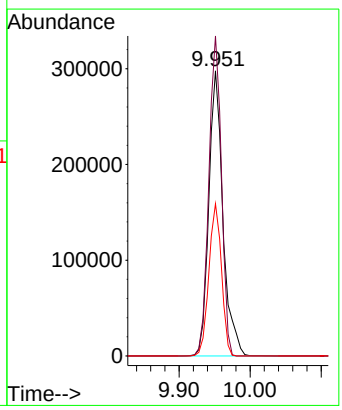


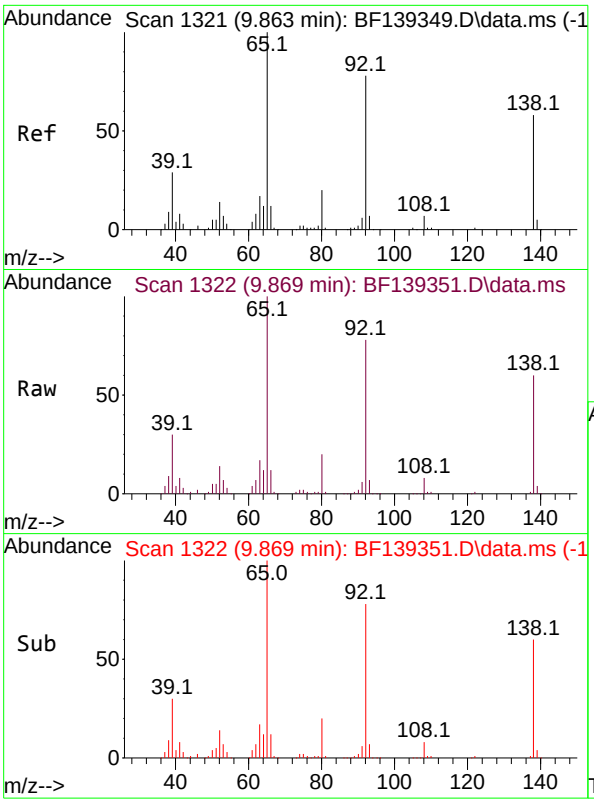




#52
Acenaphthene
Concen: 60.286 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:154 Resp: 411189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 89.5 | 134.3 |
| 152 | 53.4 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 61.832 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:138 Resp: 10140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.6 | 9.8 | 14.8 |
| 92 | 130.4 | 107.4 | 161.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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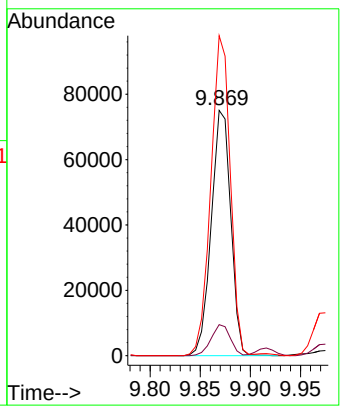
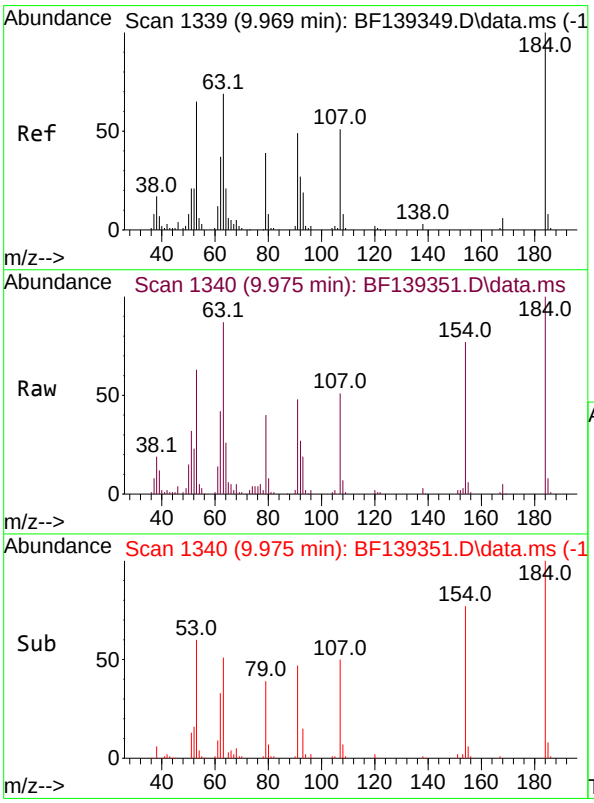
Supervised By :mohammad ahmed 09/16/2024

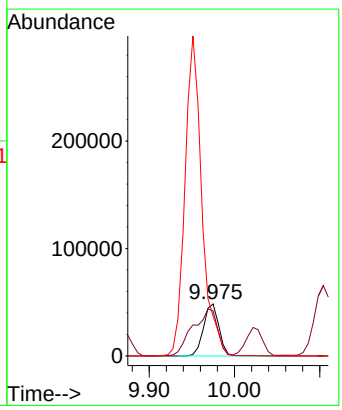


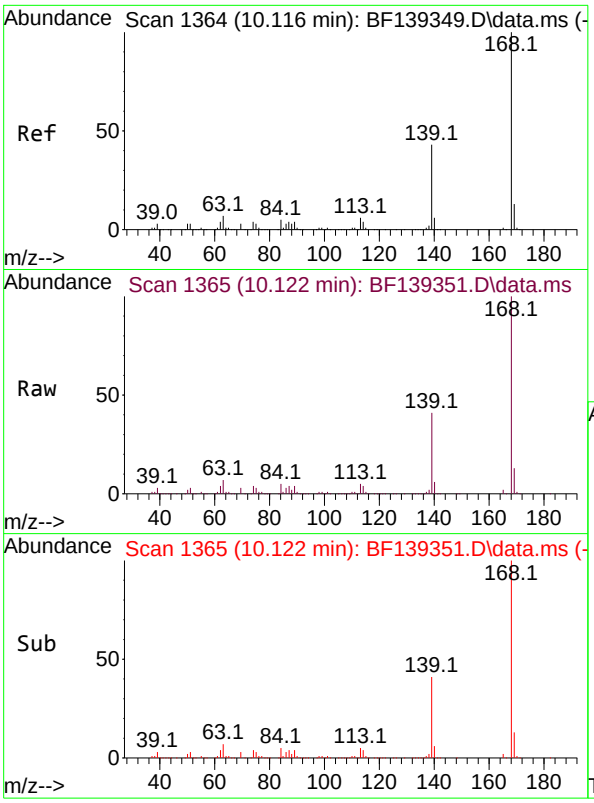




#54
2,4-Dinitrophenol
Concen: 71.035 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:184 Resp: 61109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 86.8 | 69.3 | 103.9 |
| 154 | 77.1 | 67.5 | 101.3 |

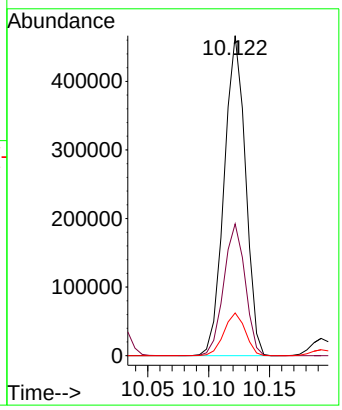





#55
Dibenzofuran
Concen: 59.962 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:168 Resp: 57003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.2 | 34.1 | 51.1 |
| 169 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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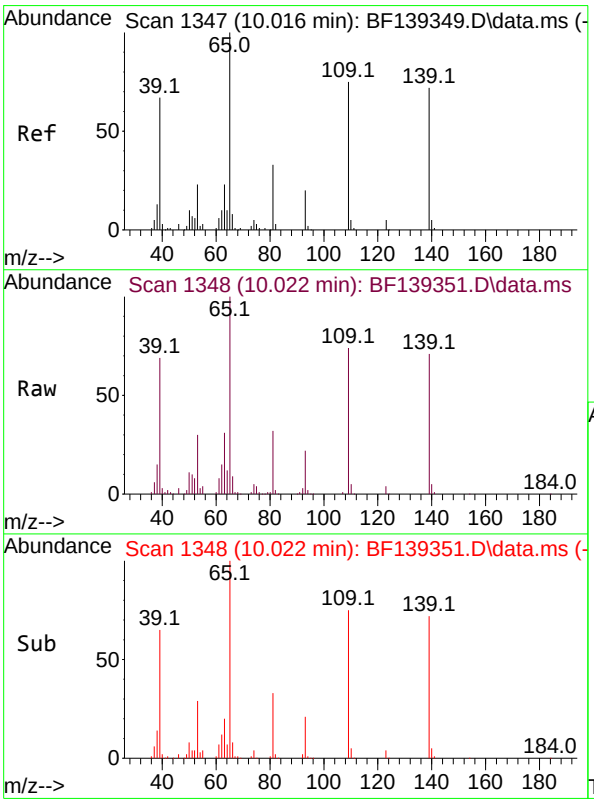
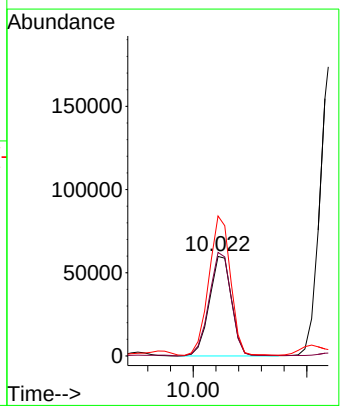
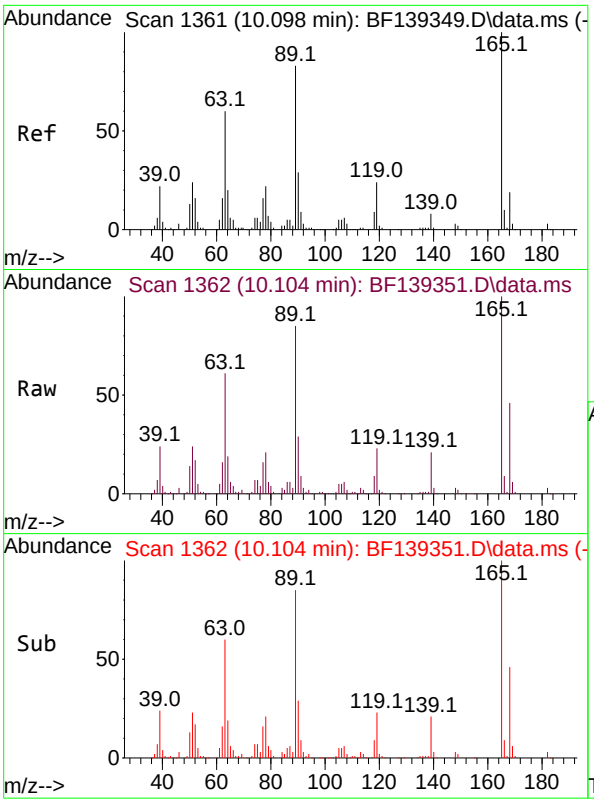



#56
4-Nitrophenol
Concen: 59.961 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:139 Resp: 81369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 103.9 | 84.1 | 124.1 |
| 65 | 140.6 | 120.0 | 160.0 |

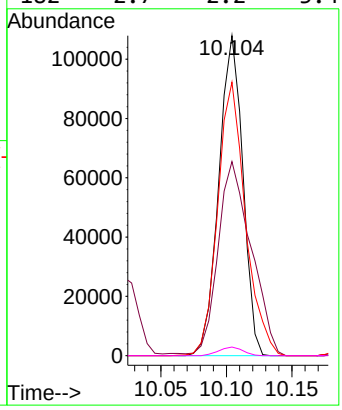





#57
2,4-Dinitrotoluene
Concen: 61.996 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:165 Resp: 13735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.7 | 47.8 | 71.6 |
| 89 | 85.5 | 66.7 | 100.1 |
| 182 | 2.7 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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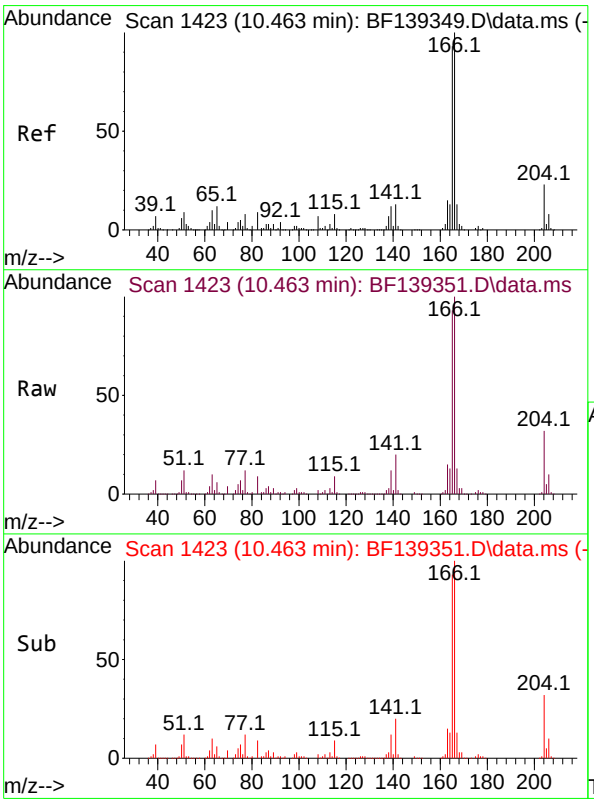
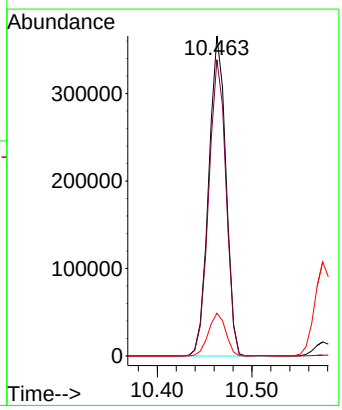
Supervised By :mohammad ahmed 09/16/2024

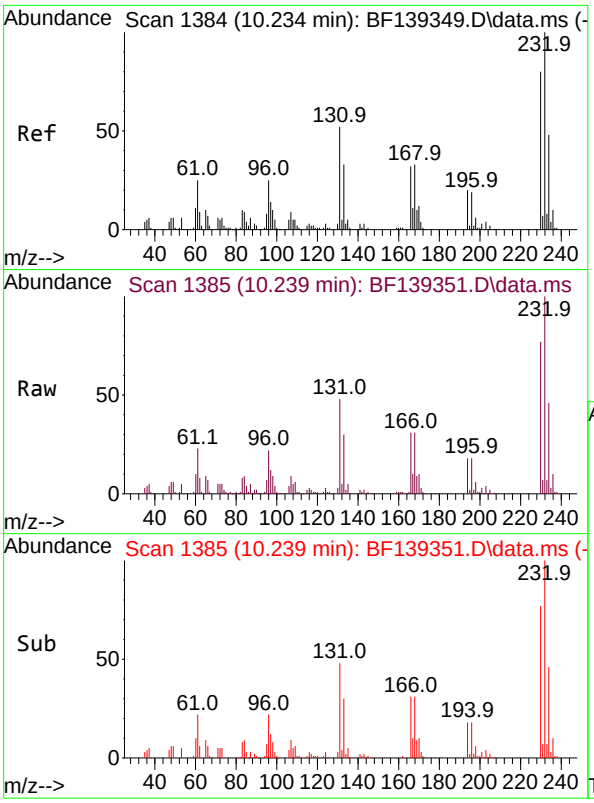



#58
Fluorene
Concen: 59.385 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:166 Resp: 460625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.6 | 74.5 | 111.7 |
| 167 | 13.4 | 10.6 | 16.0 |

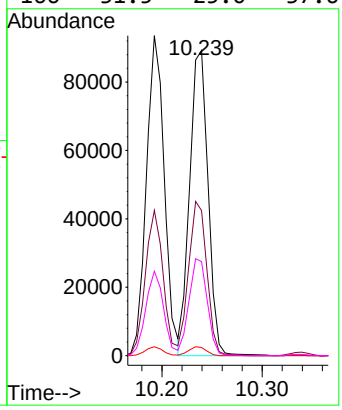





#59
2,3,4,6-Tetrachlorophenol
Concen: 59.907 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:232 Resp: 11375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.8 | 40.7 | 61.1 |
| 130 | 2.8 | 2.2 | 3.2 |
| 166 | 31.5 | 25.0 | 37.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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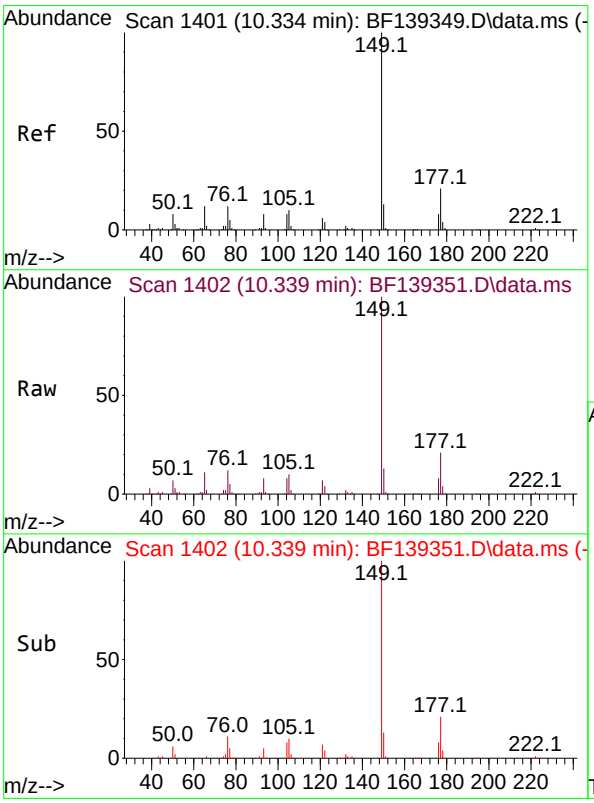
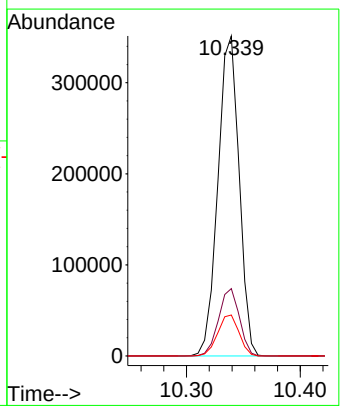
Supervised By :mohammad ahmed 09/16/2024

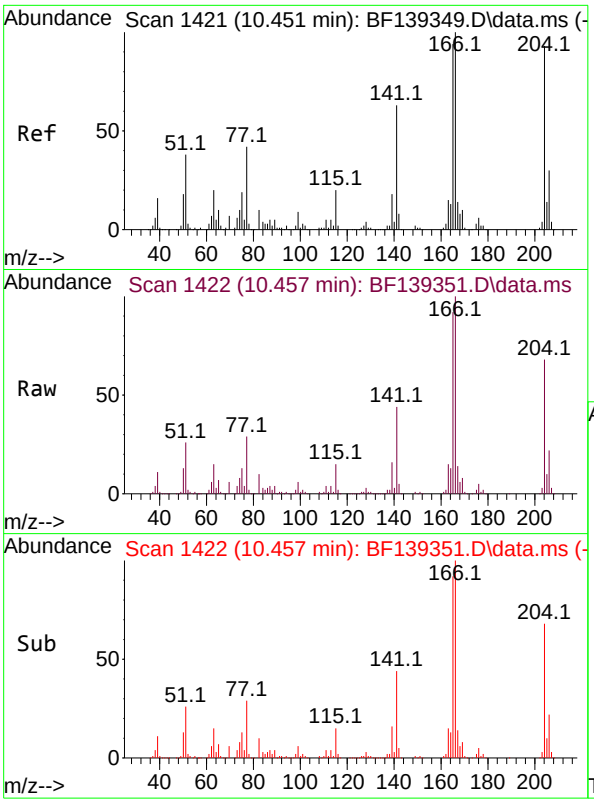



#60
Diethylphthalate
Concen: 59.624 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:149 Resp: 455793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.1 | 16.6 | 24.8 |
| 150 | 12.8 | 10.6 | 15.8 |

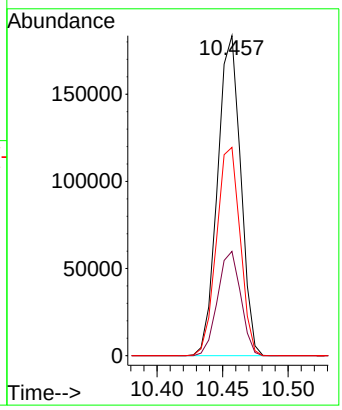





#61
4-Chlorophenyl-phenylether
Concen: 59.721 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:204 Resp: 22512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.2 | 39.2 |
| 141 | 65.1 | 53.9 | 80.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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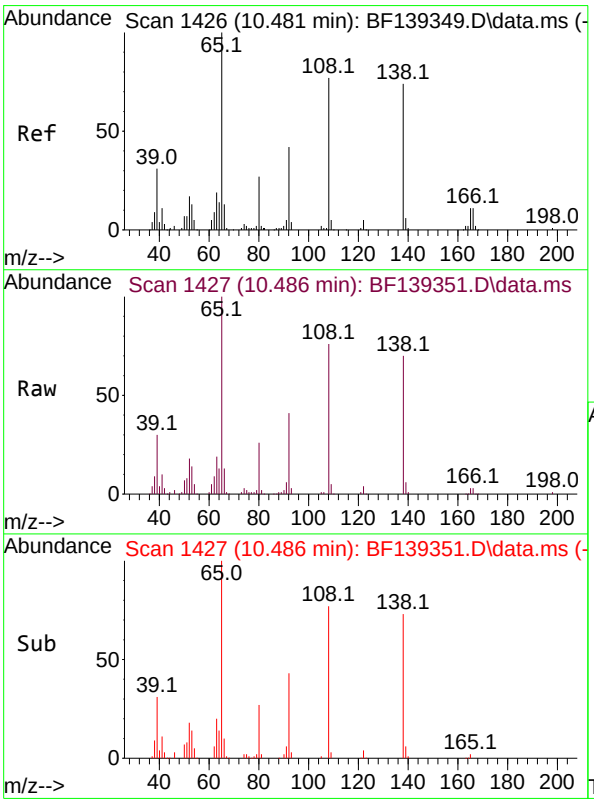
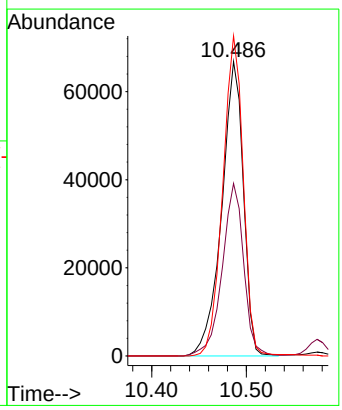
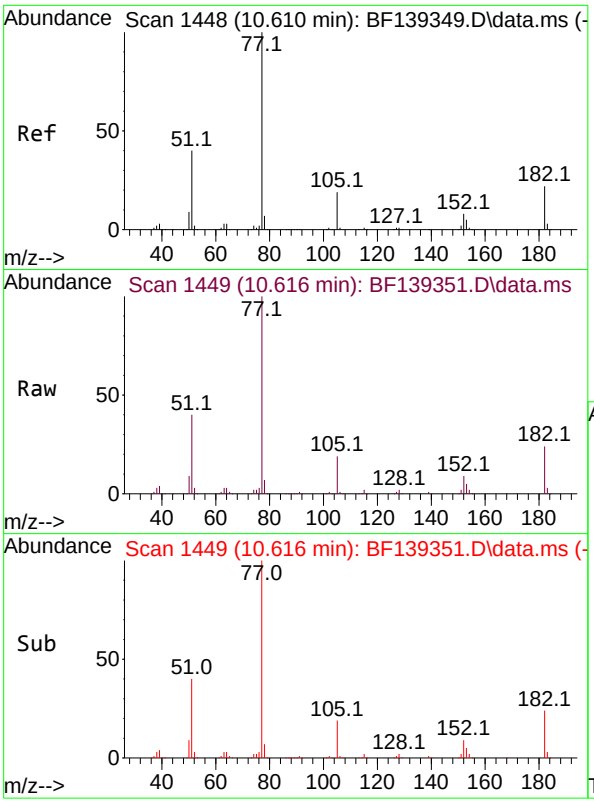



#62
4-Nitroaniline
Concen: 59.413 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:138 Resp: 106344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 58.6 | 37.0 | 77.0 |
| 108 | 108.7 | 84.4 | 124.4 |

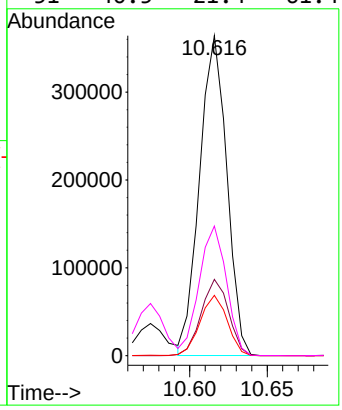





#63
Azobenzene
Concen: 59.162 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion: 77 Resp: 44482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.9 | 1.8 | 41.8 |
| 105 | 18.8 | 0.0 | 38.6 |
| 51 | 40.5 | 21.4 | 61.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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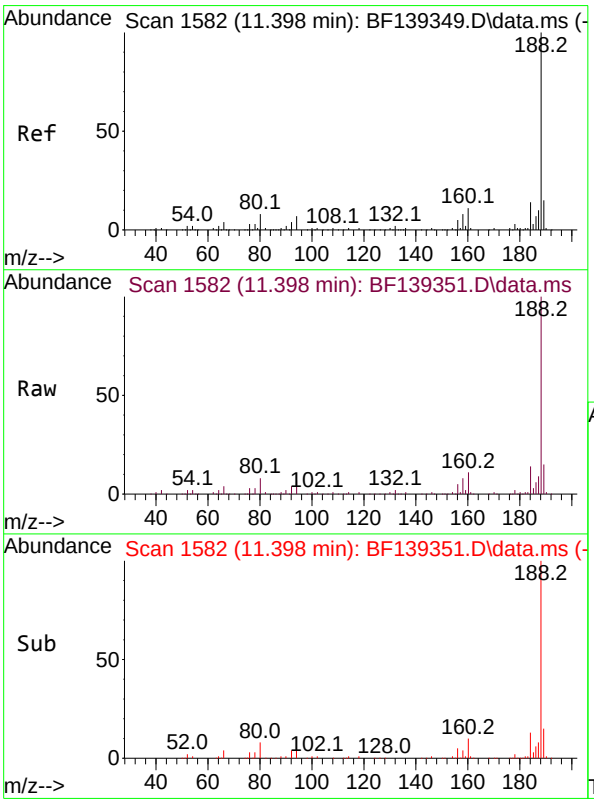
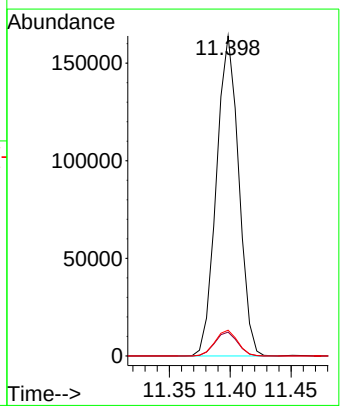
Supervised By :mohammad ahmed 09/16/2024

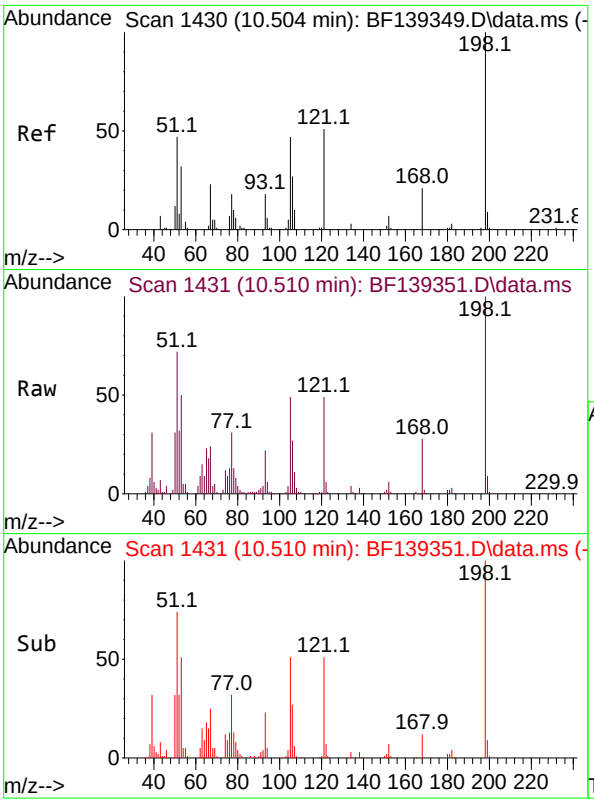



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:188 Resp: 209240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 5.5 | 8.3 |
| 80 | 8.1 | 6.6 | 9.8 |






#65
4,6-Dinitro-2-methylphenol
Concen: 67.785 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:198 Resp: 7485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 71.6 | 50.4 | 90.4 |
| 105 | 49.4 | 28.3 | 68.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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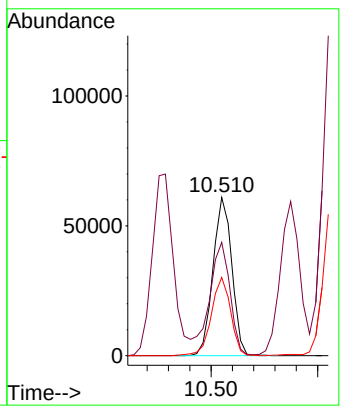
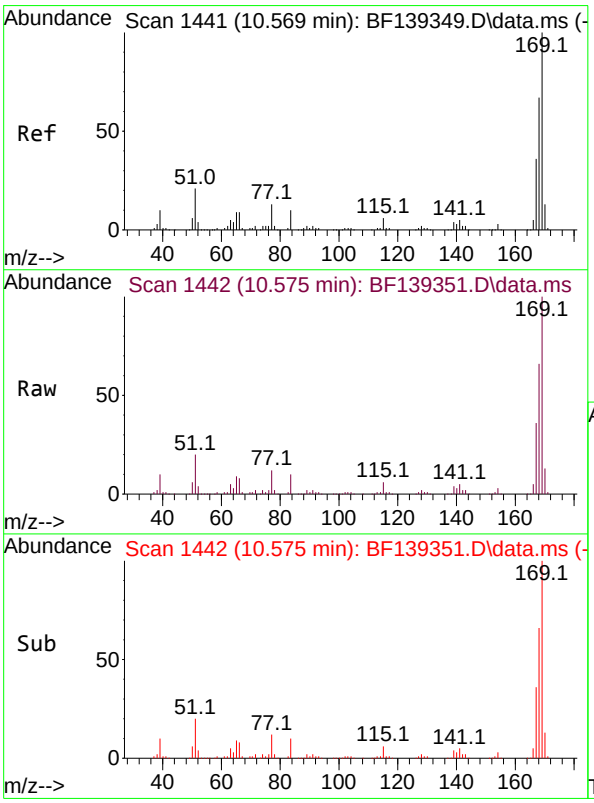
Supervised By :mohammad ahmed 09/16/2024

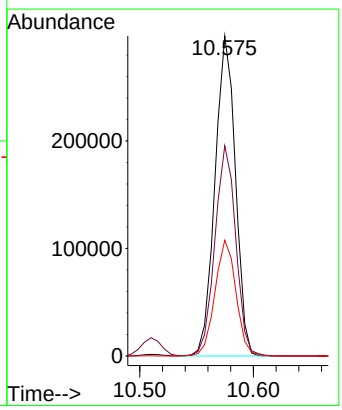


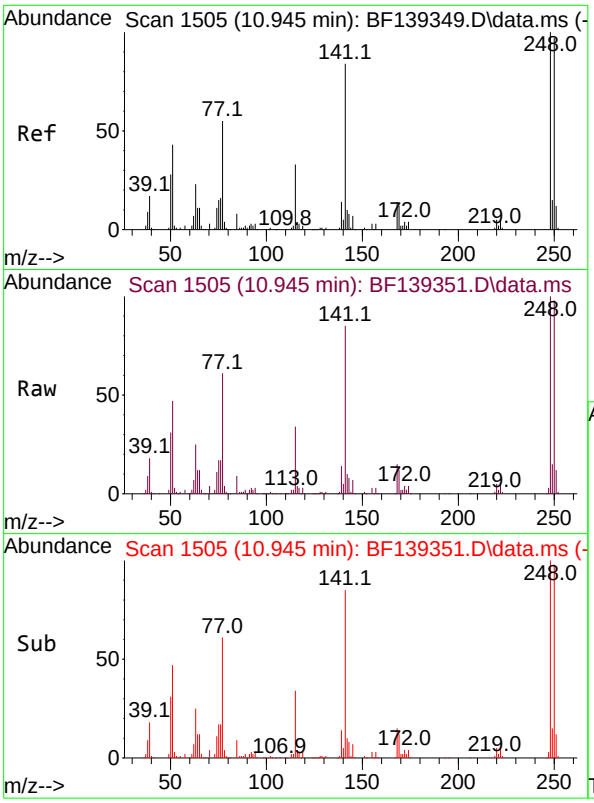




#66
n-Nitrosodiphenylamine
Concen: 60.933 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:169 Resp: 372758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.7 | 53.6 | 80.4 |
| 167 | 36.2 | 28.7 | 43.1 |






#67
4-Bromophenyl-phenylether
Concen: 62.319 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:248 Resp: 12921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.2 | 77.6 | 116.4 |
| 141 | 84.7 | 66.9 | 100.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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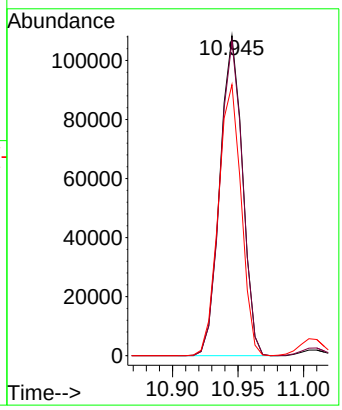
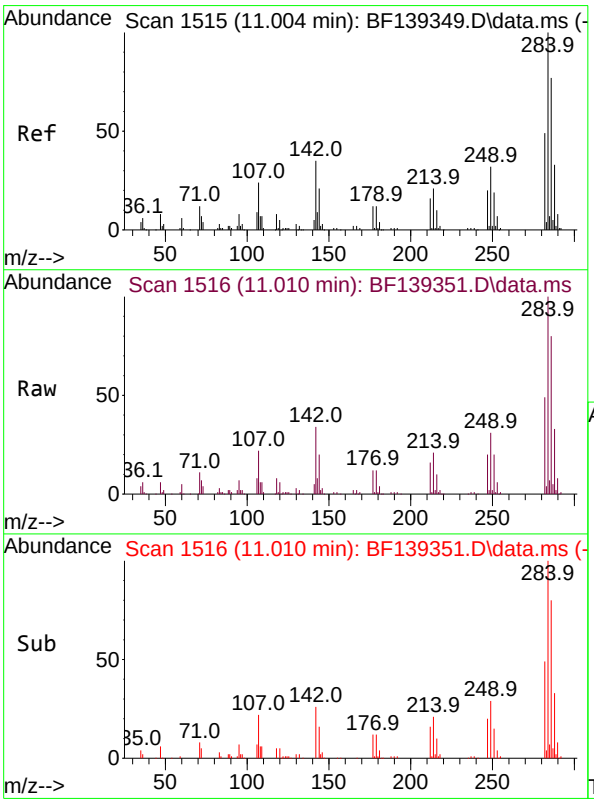
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

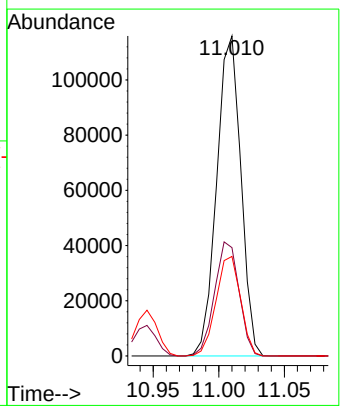


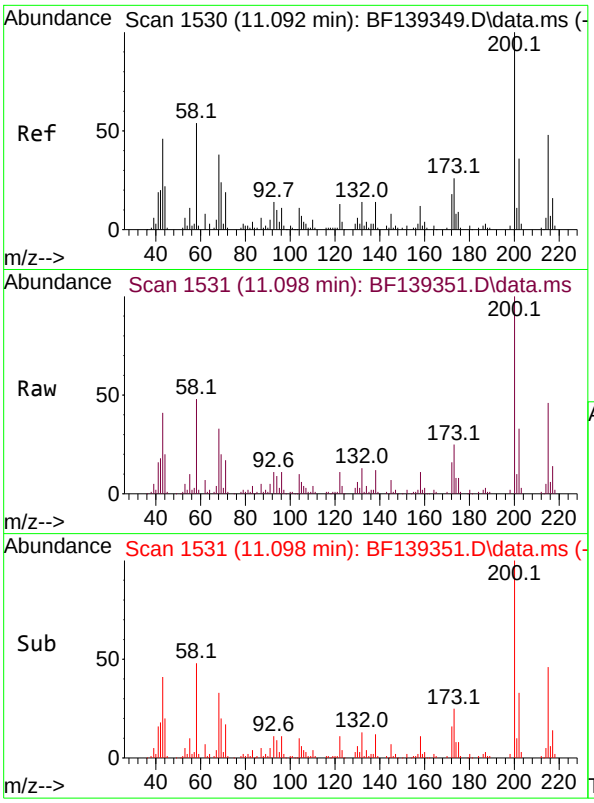




#68
Hexachlorobenzene
Concen: 60.920 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:284 Resp: 148250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.9 | 28.0 | 42.0 |
| 249 | 31.1 | 25.3 | 37.9 |

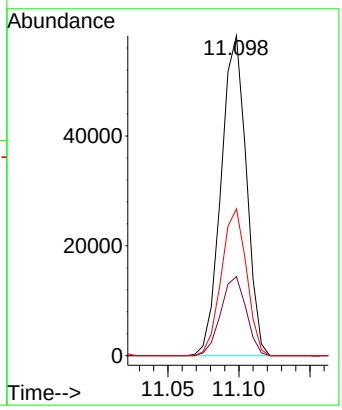





#69
Atrazine
Concen: 49.261 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:200 Resp: 7174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.7 | 6.1 | 46.1 |
| 215 | 45.9 | 28.2 | 68.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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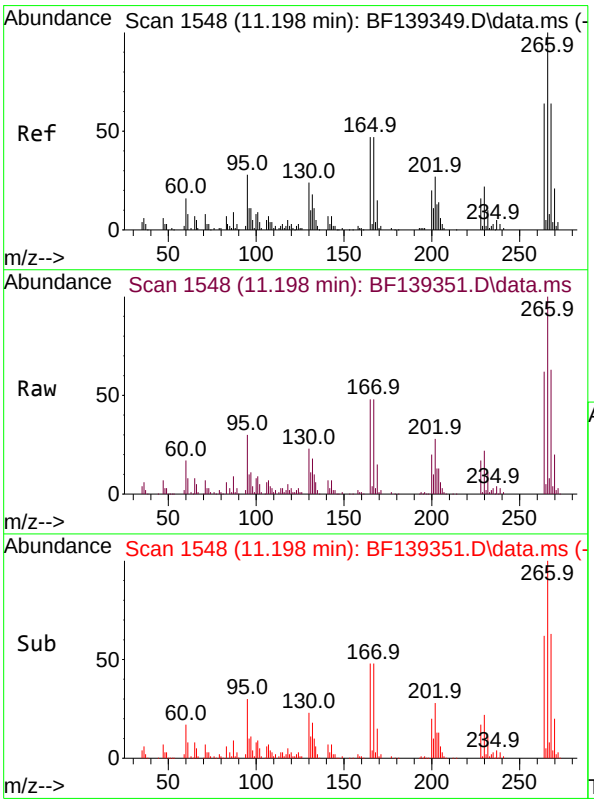
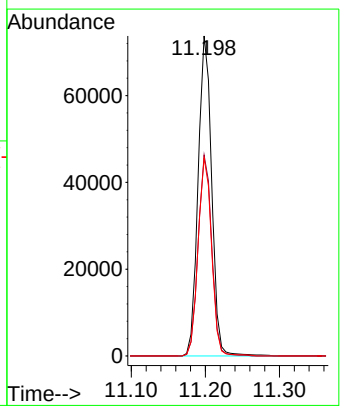
Supervised By :mohammad ahmed 09/16/2024

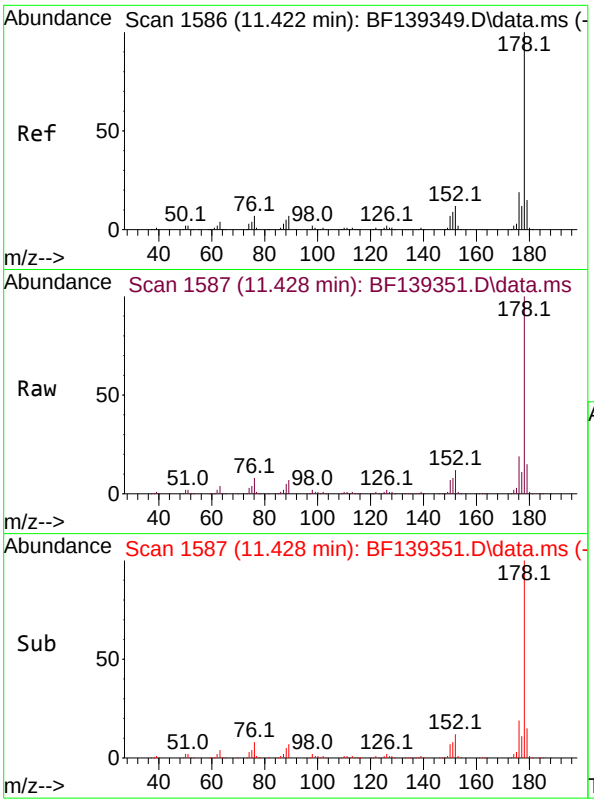



#70
Pentachlorophenol
Concen: 64.069 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:266 Resp: 93555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.7 | 51.1 | 76.7 |
| 264 | 61.9 | 51.4 | 77.0 |

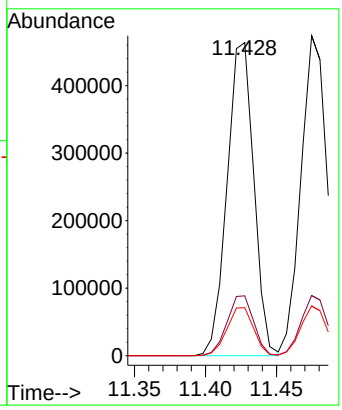





#71
Phenanthrene
Concen: 60.271 ng
RT: 11.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:178 Resp: 60843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.2 | 22.8 |
| 179 | 15.3 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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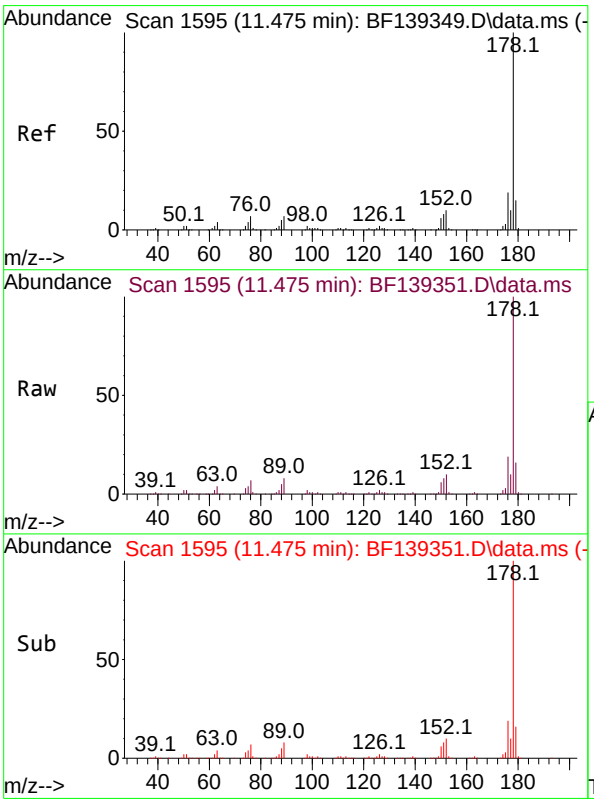
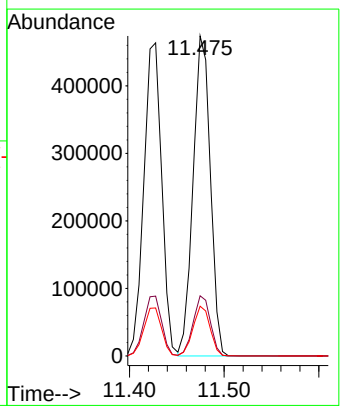
Supervised By :mohammad ahmed 09/16/2024

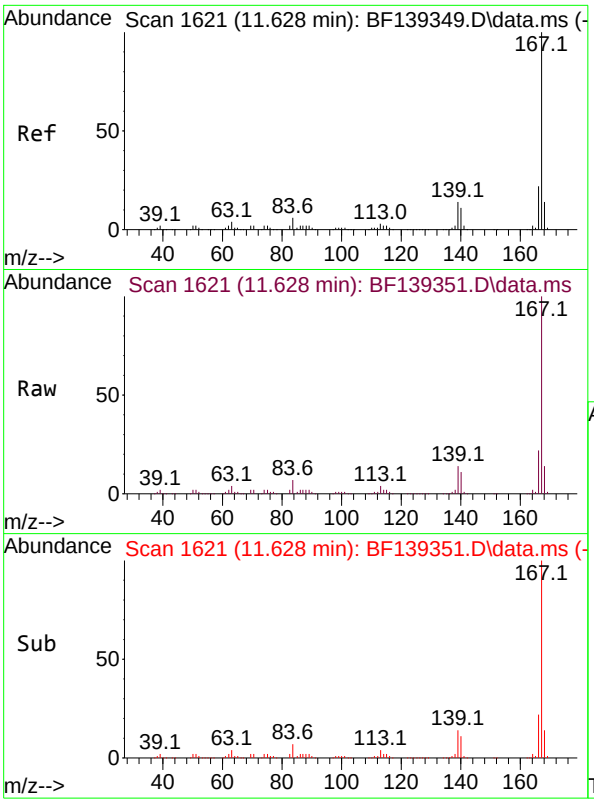



#72
Anthracene
Concen: 60.867 ng
RT: 11.475 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:178 Resp: 600764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.6 |
| 179 | 15.6 | 12.0 | 18.0 |

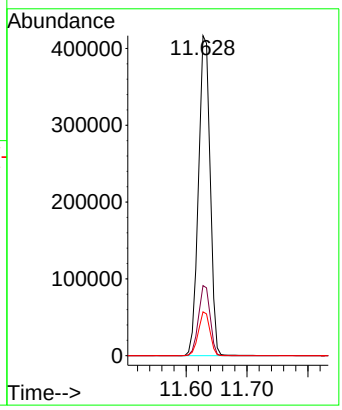





#73
Carbazole
Concen: 58.756 ng
RT: 11.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:167 Resp: 55504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.5 | 26.3 |
| 139 | 13.7 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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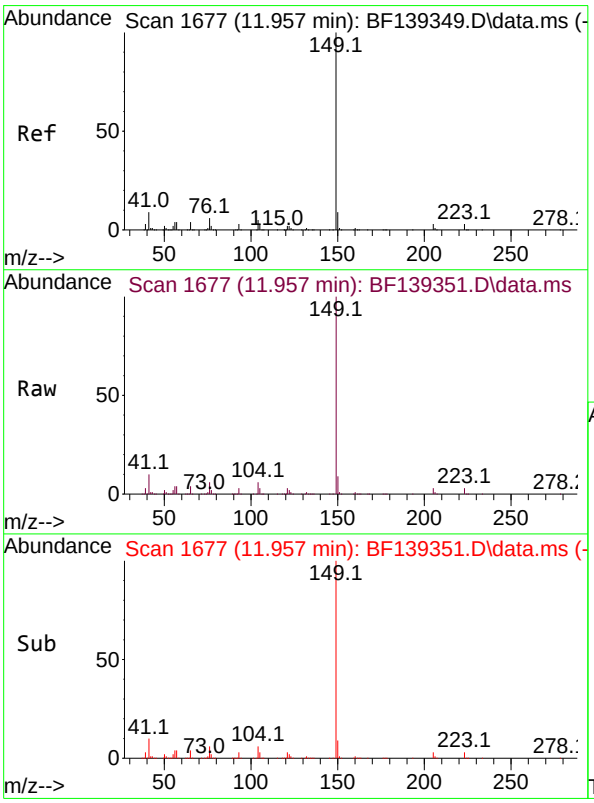
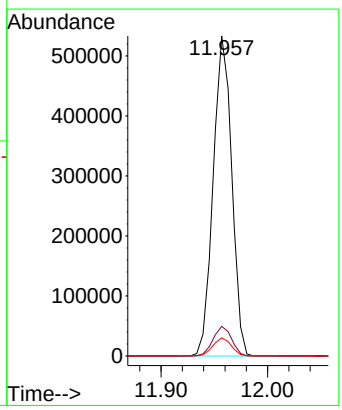
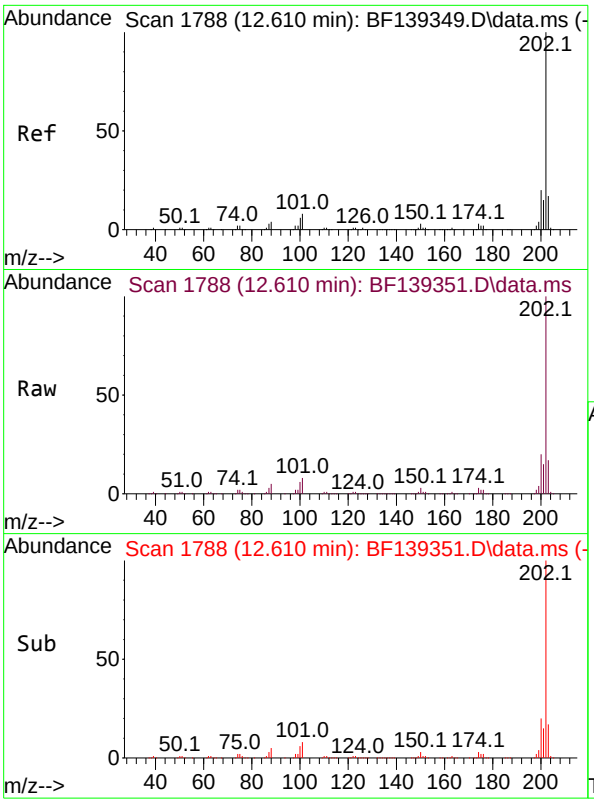



#74
Di-n-butylphthalate
Concen: 61.112 ng
RT: 11.957 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:149 Resp: 643092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 5.6 | 4.3 | 6.5 |






#75
Fluoranthene
Concen: 55.904 ng
RT: 12.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:202 Resp: 60267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 27.7 |
| 203 | 17.5 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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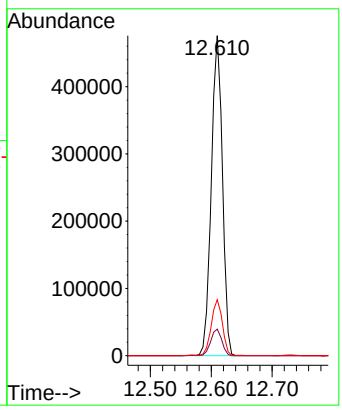
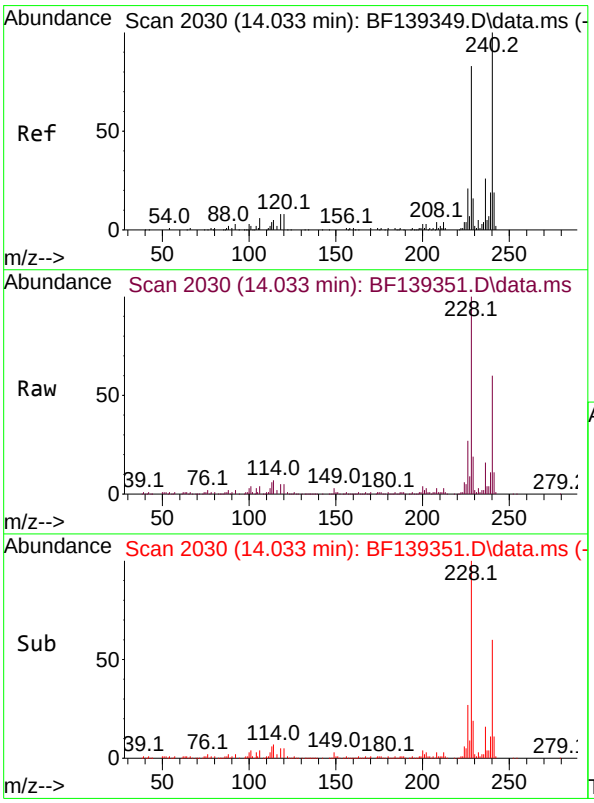
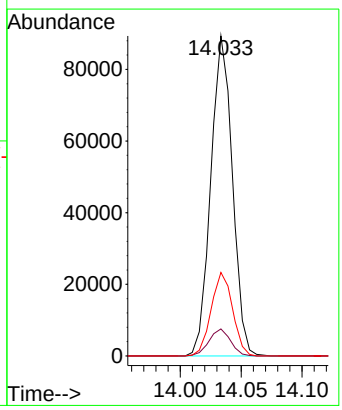


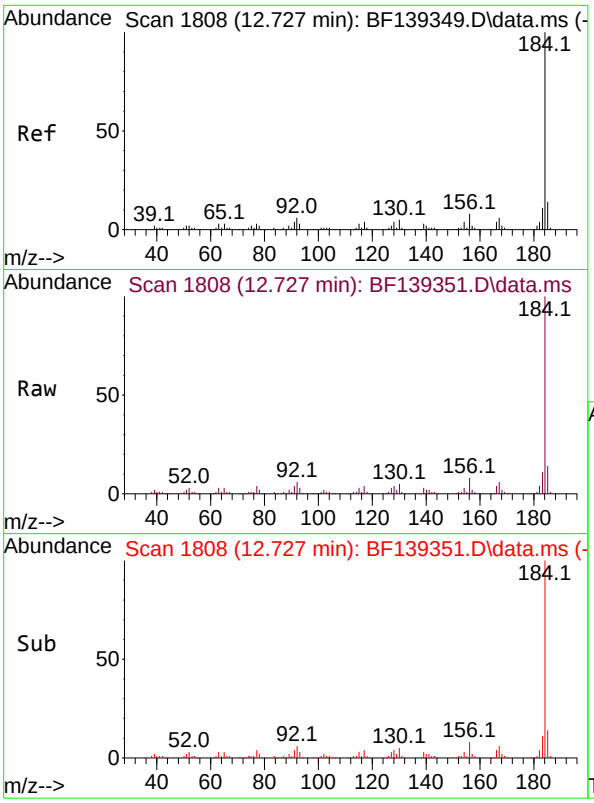




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:240 Resp: 110333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.2 | 9.2 |
| 236 | 26.1 | 20.9 | 31.3 |

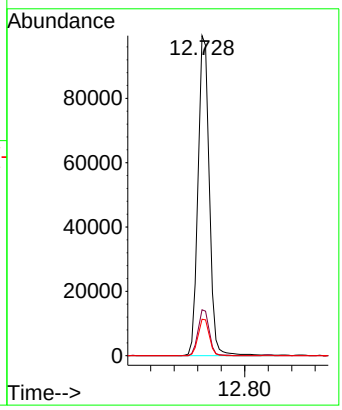





#77
Benzidine
Concen: 83.882 ng
RT: 12.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:184 Resp: 13259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.5 | 17.3 |
| 183 | 11.4 | 8.9 | 13.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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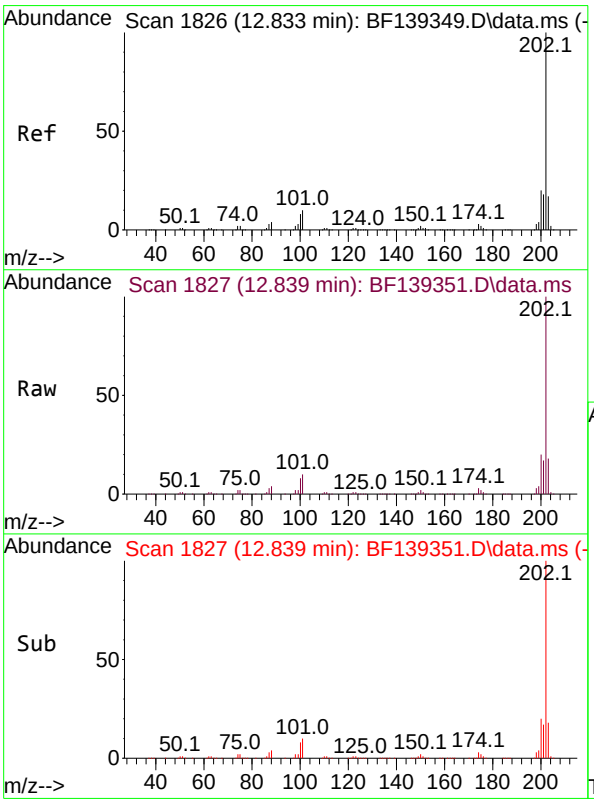
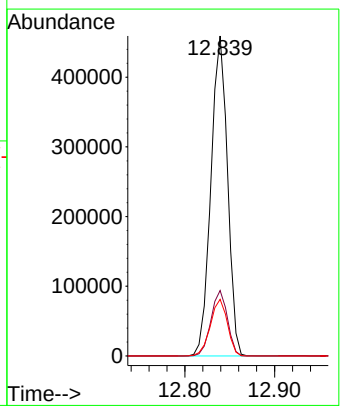
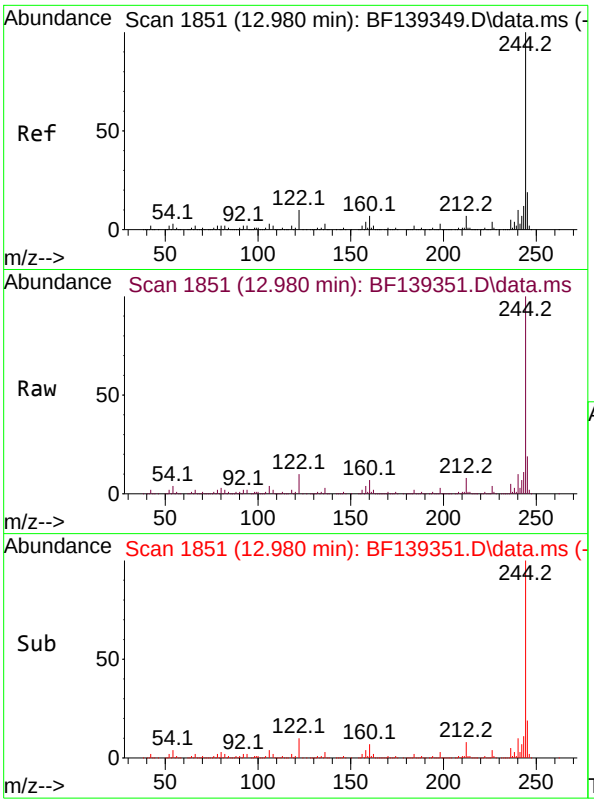



#78
Pyrene
Concen: 62.235 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:202 Resp: 589589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 16.2 | 24.2 |
| 203 | 17.7 | 13.9 | 20.9 |

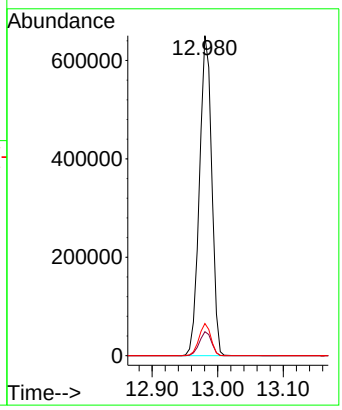





#79
Terphenyl-d14
Concen: 126.296 ng
RT: 12.980 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:244 Resp: 84894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 10.0 | 7.6 | 11.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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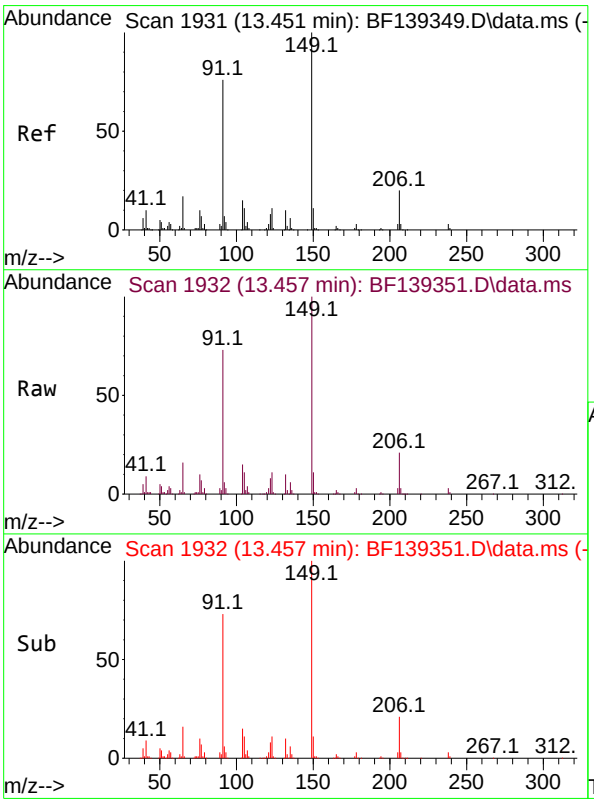
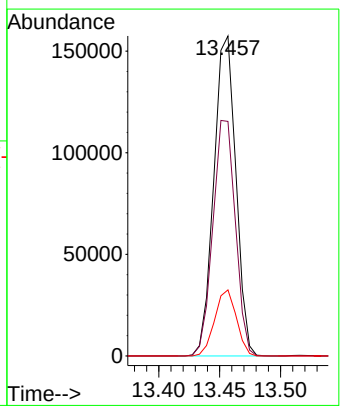
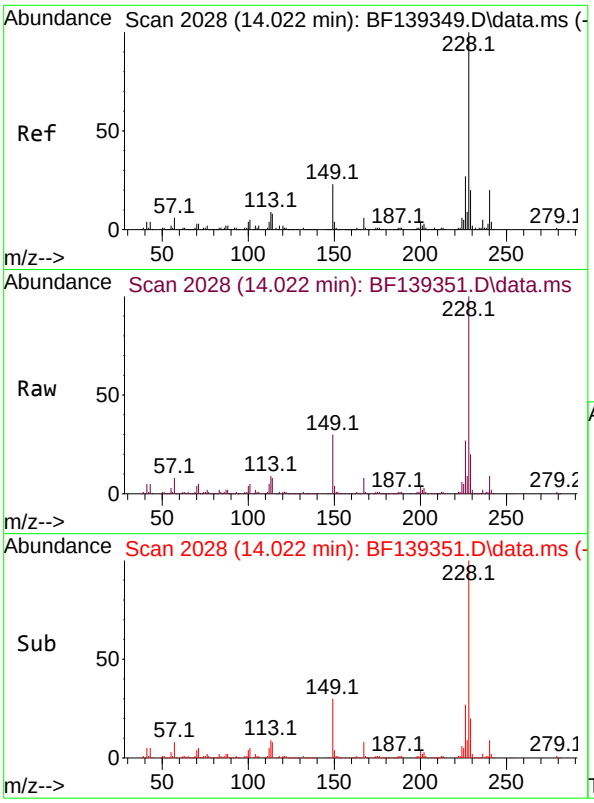



#80
Butylbenzylphthalate
Concen: 61.694 ng
RT: 13.457 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:149 Resp: 198939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.3 | 60.9 | 91.3 |
| 206 | 20.7 | 15.8 | 23.8 |

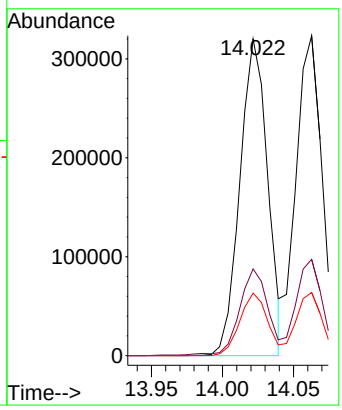





#81
Benzo(a)anthracene
Concen: 59.423 ng
RT: 14.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:228 Resp: 43429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.6 | 32.4 |
| 229 | 19.7 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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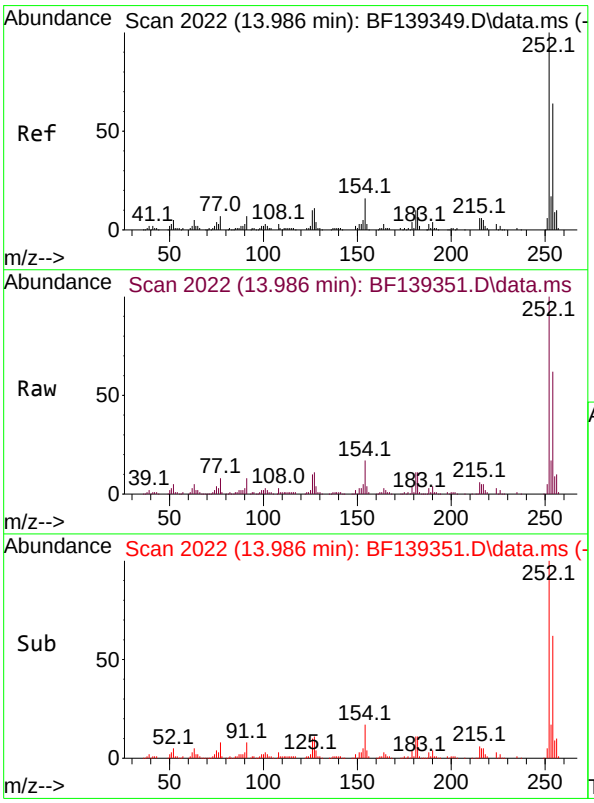
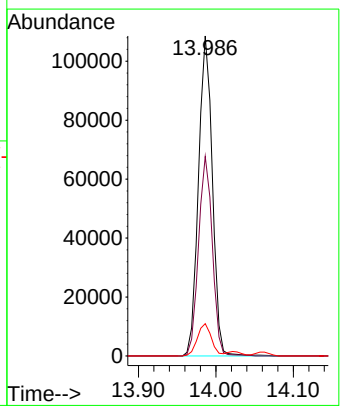
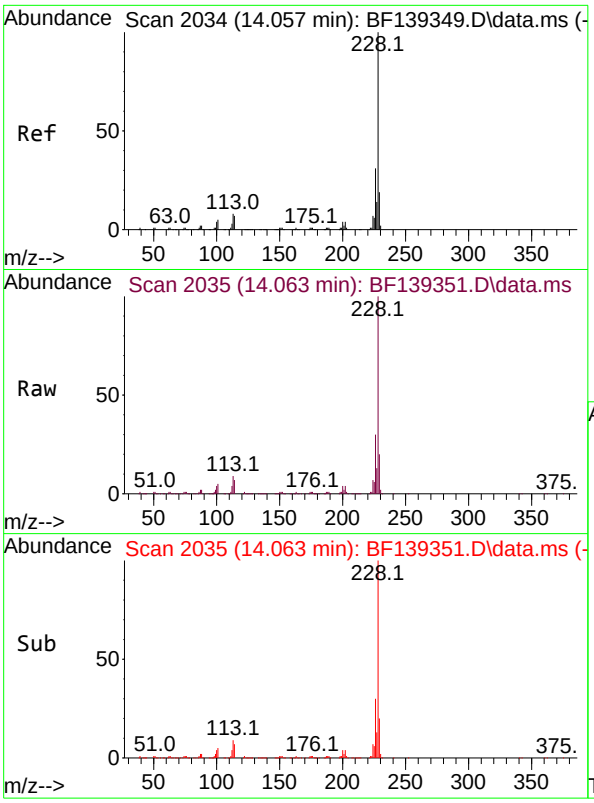



#82
3,3'-Dichlorobenzidine
Concen: 63.146 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:252 Resp: 135151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 62.4 | 51.4 | 77.2 |
| 126 | 10.1 | 7.7 | 11.5 |






#83
Chrysene
Concen: 61.151 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:228 Resp: 41116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.8 | 15.4 | 23.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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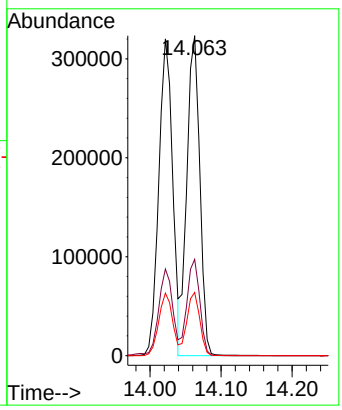
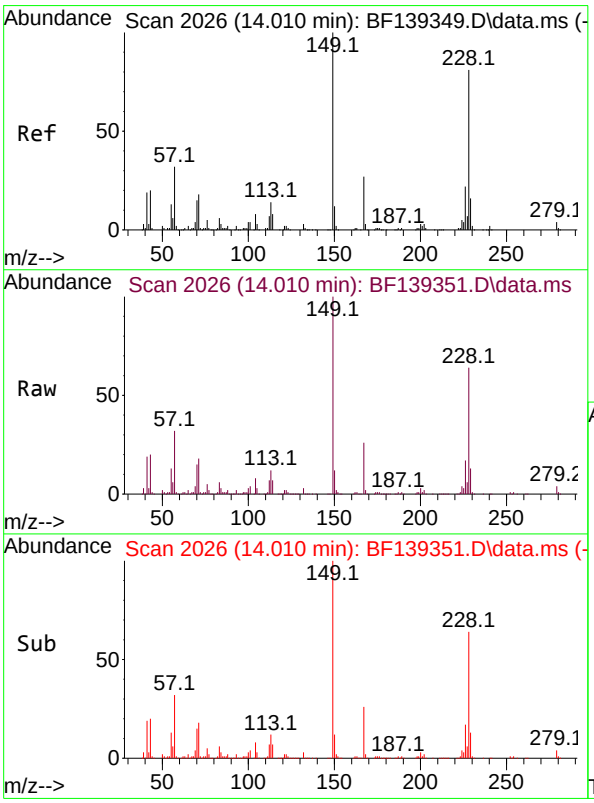
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

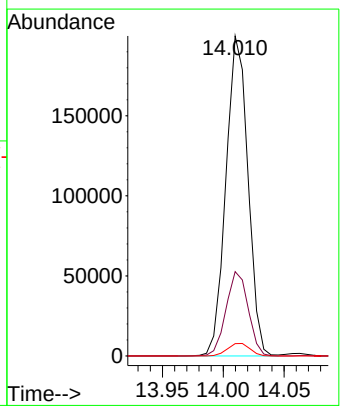


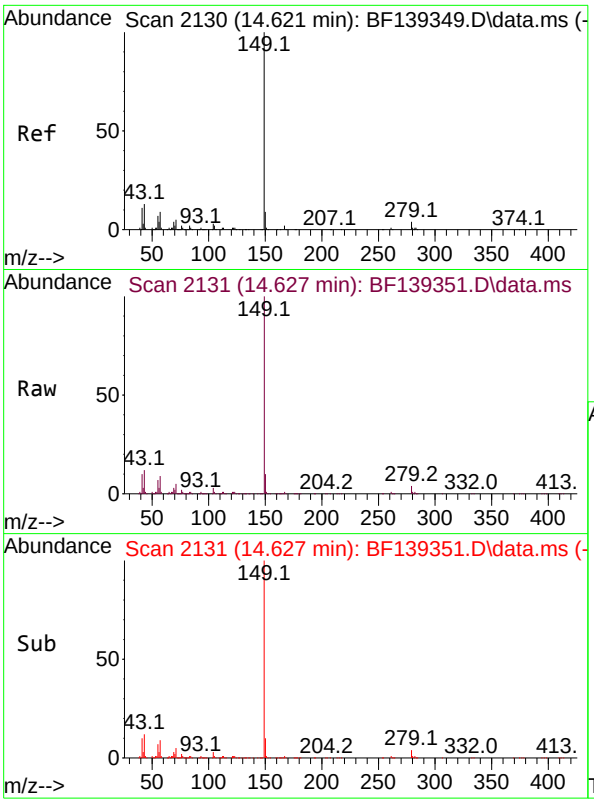




#84
Bis(2-ethylhexyl)phthalate
Concen: 61.398 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:149 Resp: 251863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.6 | 32.4 |
| 279 | 3.9 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 65.952 ng
RT: 14.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

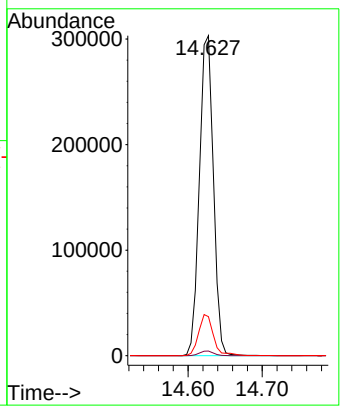
Tgt Ion:149 Resp: 39843

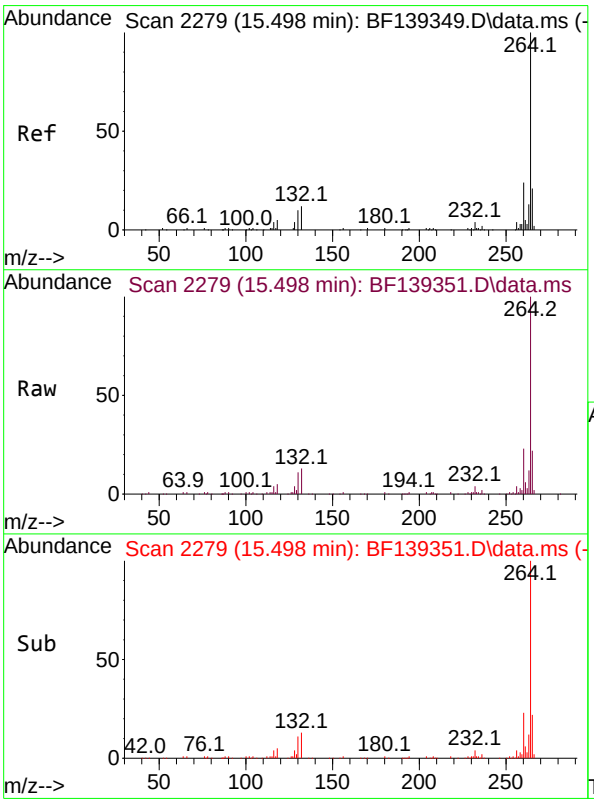
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.7 | 10.6 | 16.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

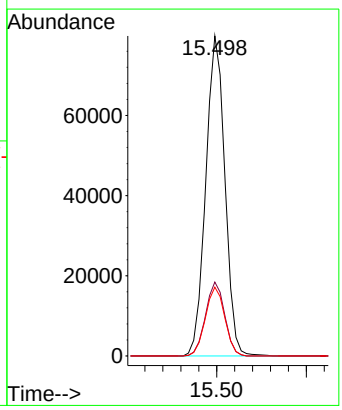


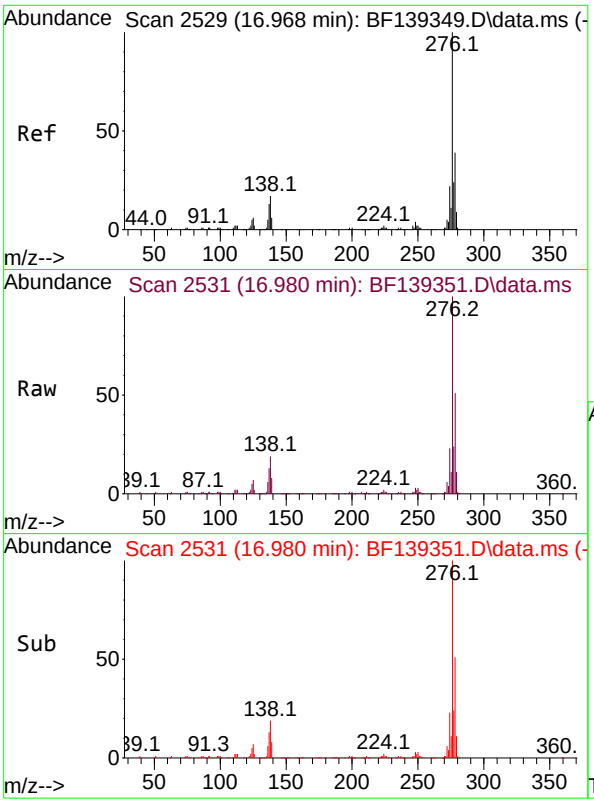




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:264 Resp: 118195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.5 | 29.3 |
| 265 | 21.5 | 16.6 | 25.0 |

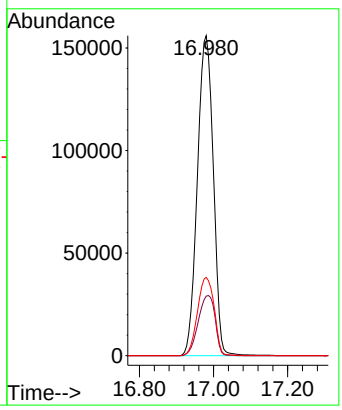





#87
Indeno(1,2,3-cd)pyrene
Concen: 66.249 ng
RT: 16.980 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:276 Resp: 46561

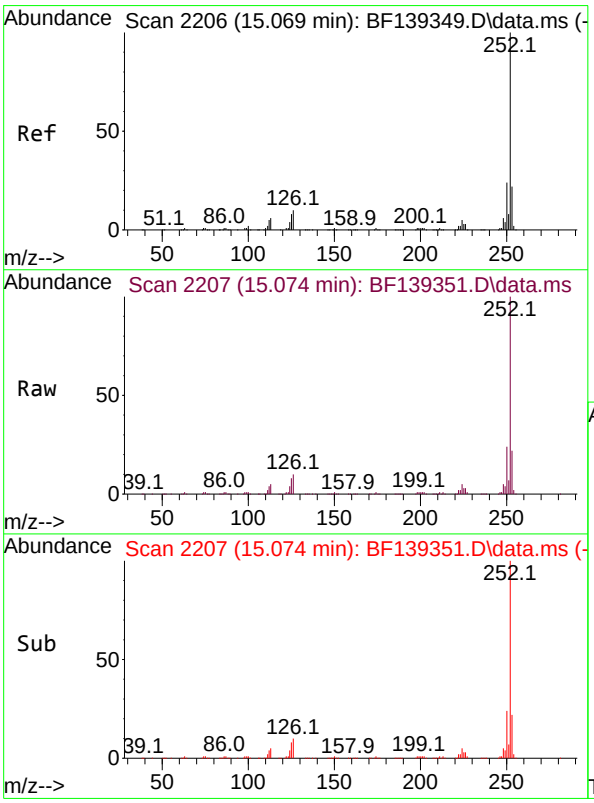
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.9 | 15.4 | 23.2 |
| 277 | 25.6 | 20.4 | 30.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

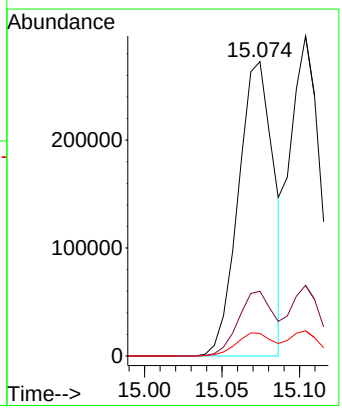
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

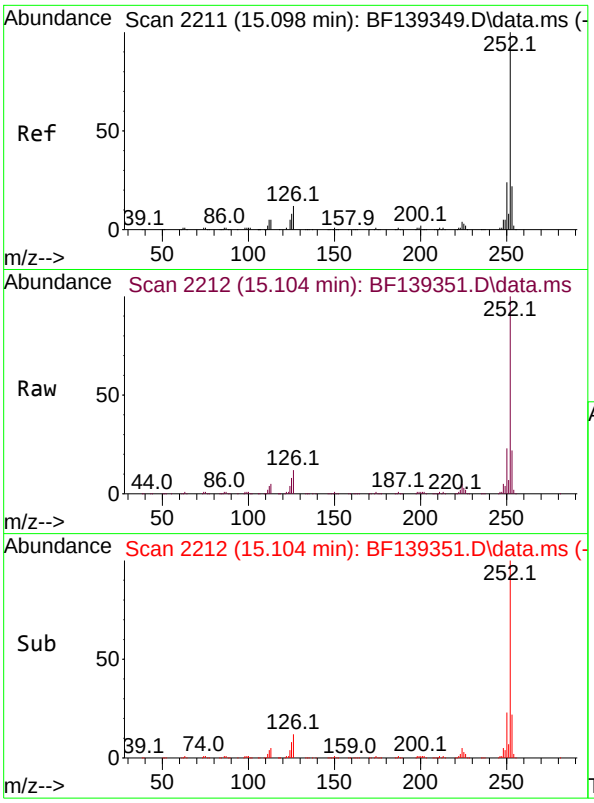



#88
Benzo(b)fluoranthene
Concen: 59.133 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:252 Resp: 431051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |

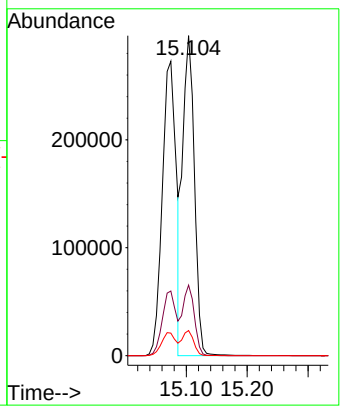





#89
Benzo(k)fluoranthene
Concen: 59.285 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:252 Resp: 39846

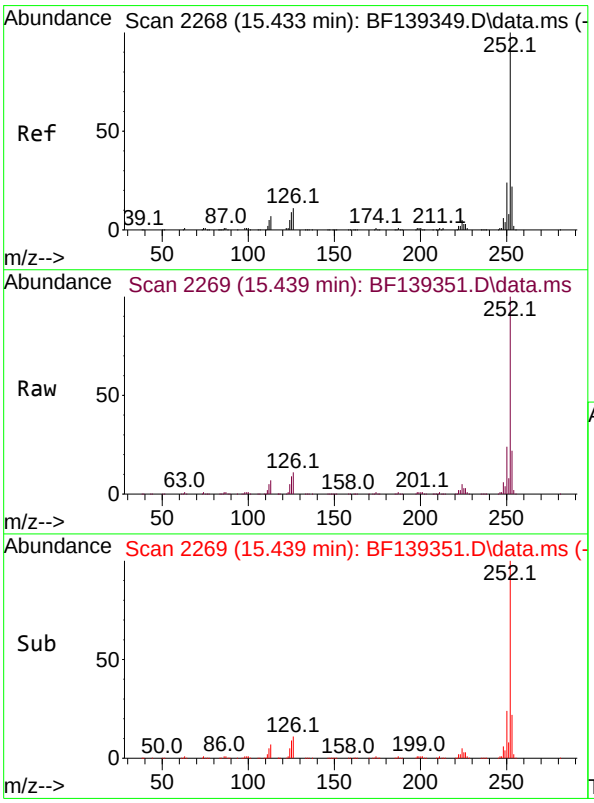
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.3 | 25.9 |
| 125 | 7.9 | 5.9 | 8.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

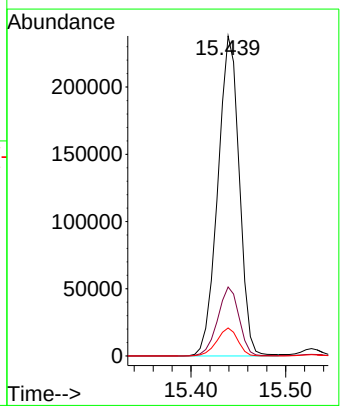
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

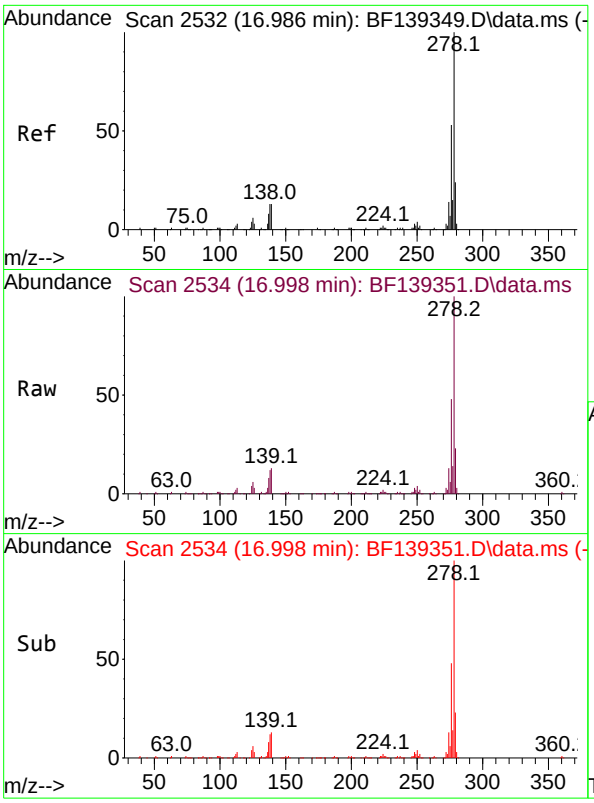



#90
Benzo(a)pyrene
Concen: 61.920 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:252 Resp: 374337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.3 | 25.9 |
| 125 | 8.7 | 6.8 | 10.2 |

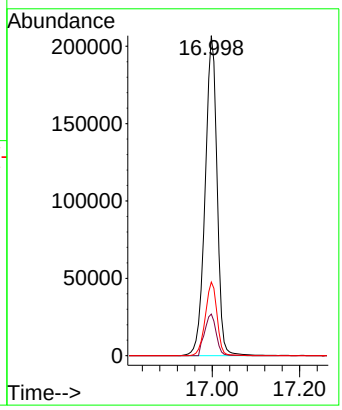





#91
Dibenzo(a,h)anthracene
Concen: 67.730 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:278 Resp: 39334

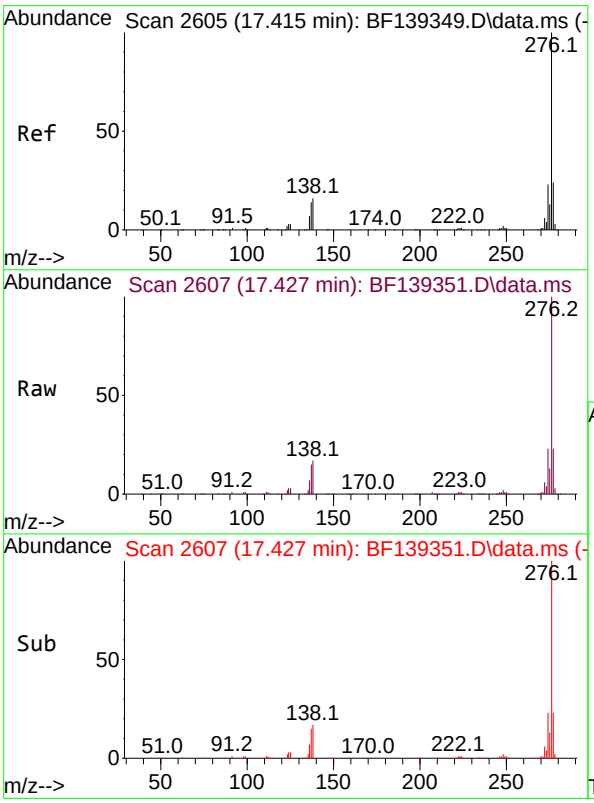
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.0 | 10.2 | 15.2 |
| 279 | 23.0 | 18.9 | 28.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

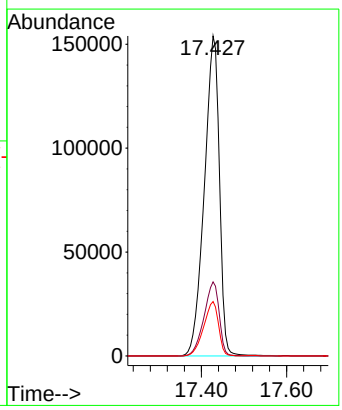
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024




#92
Benzo(g,h,i)perylene
Concen: 65.709 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139351.D
Acq: 13 Sep 2024 18:48

Tgt Ion:276 Resp: 377847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.9 | 28.3 |
| 138 | 17.0 | 13.0 | 19.6 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139352.D
Acq On : 13 Sep 2024 19:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:51:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 66119 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 232989 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 126997 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 229453 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 124546 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 139312 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 633503 | 156.303 | ng | | 0.00 |
| 7) Phenol-d6 | 6.522 | 99 | 822389 | 154.588 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 798383 | 161.094 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 213033 | 157.565 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 1406634 | 155.345 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 1145648 | 150.985 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 121659 | 74.817 | ng | | 98 |
| 3) Pyridine | 3.416 | 79 | 267063 | 74.491 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.404 | 42 | 243418 | 78.334 | ng | | 98 |
| 8) 2-Chlorophenol | 6.675 | 128 | 325178 | 77.941 | ng | | 99 |
| 10) Phenol | 6.539 | 94 | 411917 | 76.024 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 451406m | 109.614 | ng | | |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 362380 | 76.374 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 370525 | 77.276 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 348175 | 76.848 | ng | | 100 |
| 15) Benzyl Alcohol | 7.028 | 79 | 326000 | 76.809 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 474109 | 74.703 | ng | | 90 |
| 17) 2-Methylphenol | 7.139 | 107 | 259635 | 78.327 | ng | | 98 |
| 18) Hexachloroethane | 7.392 | 117 | 141097 | 77.259 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 248365 | 78.784 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.298 | 107 | 351953 | 77.825 | ng | | 93 |
| 22) Acetophenone | 7.298 | 105 | 479979 | 78.801 | ng | # | 98 |
| 24) Nitrobenzene | 7.475 | 77 | 401035 | 78.622 | ng | | 99 |
| 25) Isophorone | 7.710 | 82 | 617892 | 78.833 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 168044 | 84.561 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 206020 | 78.593 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 355128 | 79.499 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 264087 | 79.303 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 303204 | 78.143 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 963320 | 79.198 | ng | | 99 |
| 32) Benzoic acid | 7.981 | 122 | 215219m | 87.390 | ng | | |
| 33) 4-Chloroaniline | 8.257 | 127 | 272843 | 73.324 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 202793 | 76.928 | ng | | 100 |
| 35) Caprolactam | 8.639 | 113 | 81832 | 79.884 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 305192 | 80.190 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.880 | 142 | 606883 | 78.607 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 599493 | 79.092 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 298724 | 79.368 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.027 | 237 | 95184 | 72.430 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 195054 | 79.656 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 208100 | 80.566 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 766437 | 78.446 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139352.D
Acq On : 13 Sep 2024 19:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

Quant Time: Sep 14 02:51:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 47) 2-Chloronaphthalene | 9.369 | 162 | 582318 | 79.713 | ng | 99 |
| 48) 2-Nitroaniline | 9.463 | 65 | 223259 | 82.167 | ng | 97 |
| 49) Acenaphthylene | 9.780 | 152 | 868138 | 78.947 | ng | 100 |
| 50) Dimethylphthalate | 9.651 | 163 | 652879 | 78.326 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 150724 | 81.625 | ng | 99 |
| 52) Acenaphthene | 9.957 | 154 | 617018 | 80.396 | ng | 100 |
| 53) 3-Nitroaniline | 9.880 | 138 | 135147 | 73.235 | ng | 95 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 92861 | 95.931 | ng | 94 |
| 55) Dibenzofuran | 10.127 | 168 | 830718 | 77.658 | ng | 98 |
| 56) 4-Nitrophenol | 10.033 | 139 | 120683 | 79.034 | ng | 92 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 202984 | 81.422 | ng | 94 |
| 58) Fluorene | 10.469 | 166 | 683097 | 78.266 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 167088 | 78.199 | ng | 99 |
| 60) Diethylphthalate | 10.345 | 149 | 676646 | 78.664 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 337209 | 79.499 | ng | 98 |
| 62) 4-Nitroaniline | 10.498 | 138 | 146728 | 72.852 | ng | 99 |
| 63) Azobenzene | 10.622 | 77 | 664983 | 78.600 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 109579 | 90.485 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 551600 | 82.225 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 189144 | 83.184 | ng | 99 |
| 68) Hexachlorobenzene | 11.010 | 284 | 217457 | 81.487 | ng | 98 |
| 69) Atrazine | 11.104 | 200 | 105161 | 65.847 | ng | 97 |
| 70) Pentachlorophenol | 11.204 | 266 | 132585 | 82.799 | ng | 99 |
| 71) Phenanthrene | 11.427 | 178 | 865088 | 78.146 | ng | 99 |
| 72) Anthracene | 11.480 | 178 | 846379 | 78.198 | ng | 100 |
| 73) Carbazole | 11.633 | 167 | 762939 | 73.649 | ng | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 890092 | 77.132 | ng | 100 |
| 75) Fluoranthene | 12.610 | 202 | 809435 | 68.469 | ng | 98 |
| 77) Benzidine | 12.733 | 184 | 166381 | 93.243 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 820624 | 76.737 | ng | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 287851 | 79.080 | ng | 98 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 656134 | 79.532 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 197966 | 81.940 | ng | 99 |
| 83) Chrysene | 14.062 | 228 | 600714 | 79.146 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 367918 | 79.454 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 612797 | 89.860 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 691200 | 83.439 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 670084 | 77.990 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.109 | 252 | 601230 | 75.894 | ng | 99 |
| 90) Benzo(a)pyrene | 15.445 | 252 | 567157 | 79.594 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.009 | 278 | 578214 | 84.470 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 547299 | 80.751 | ng | 99 |

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

ICAL Form

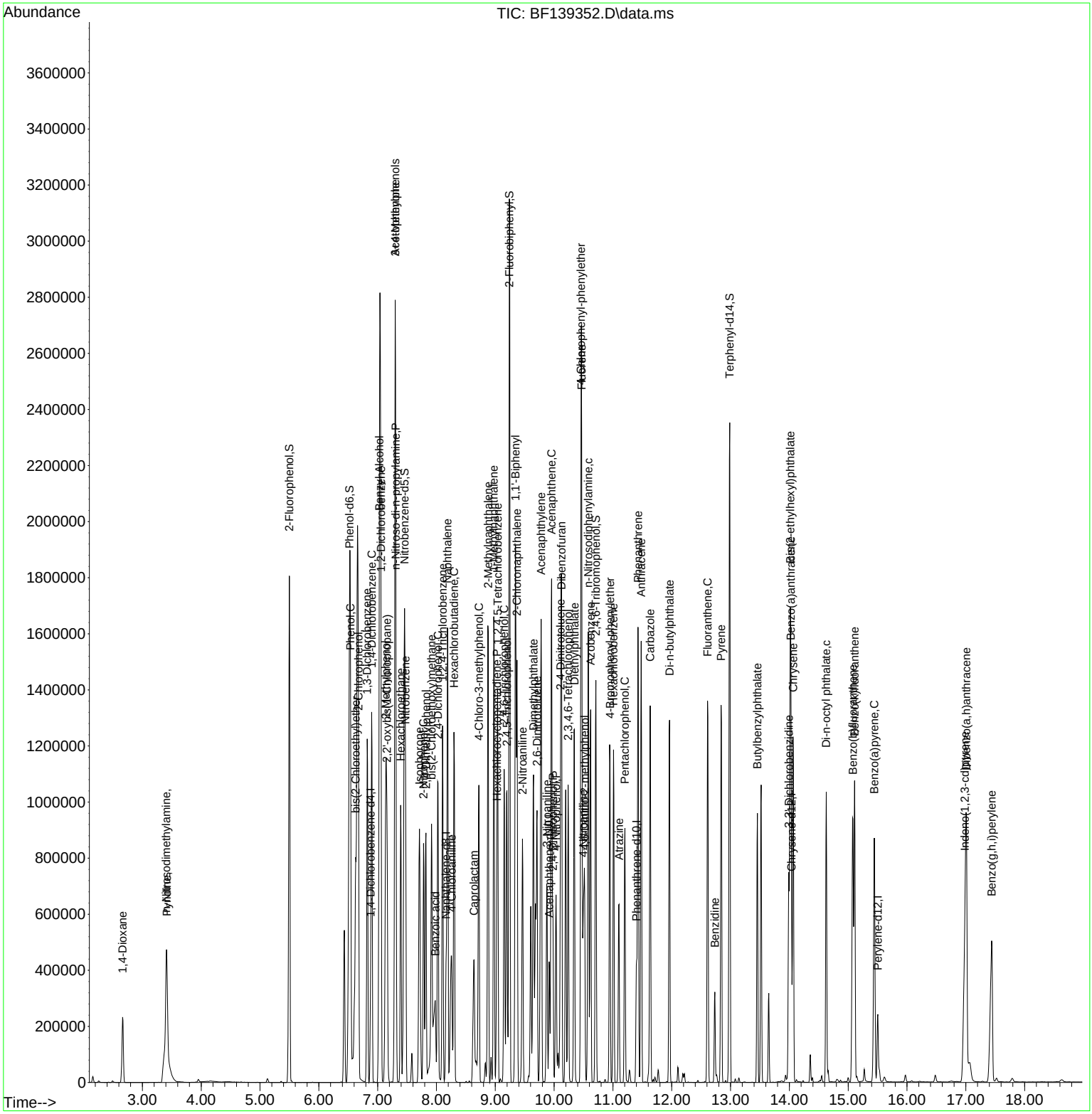
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139352.D
Acq On : 13 Sep 2024 19:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

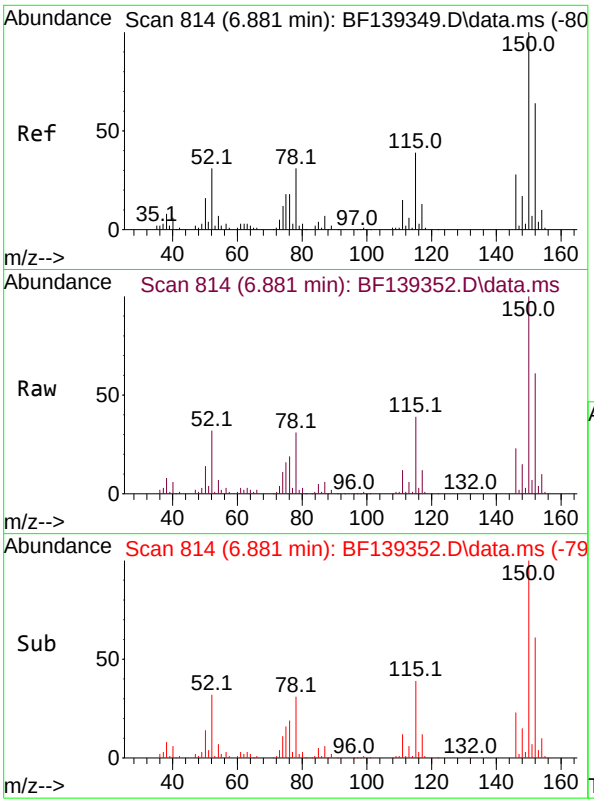
Quant Time: Sep 14 02:51:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:45:19 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

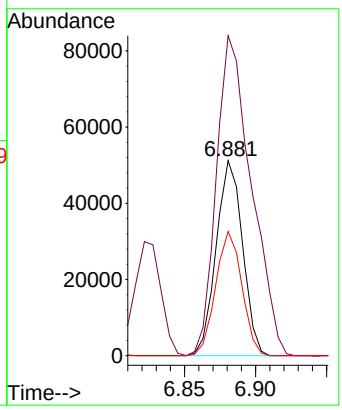





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:152 Resp: 6611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 164.1 | 124.1 | 186.1 |
| 115 | 63.7 | 48.1 | 72.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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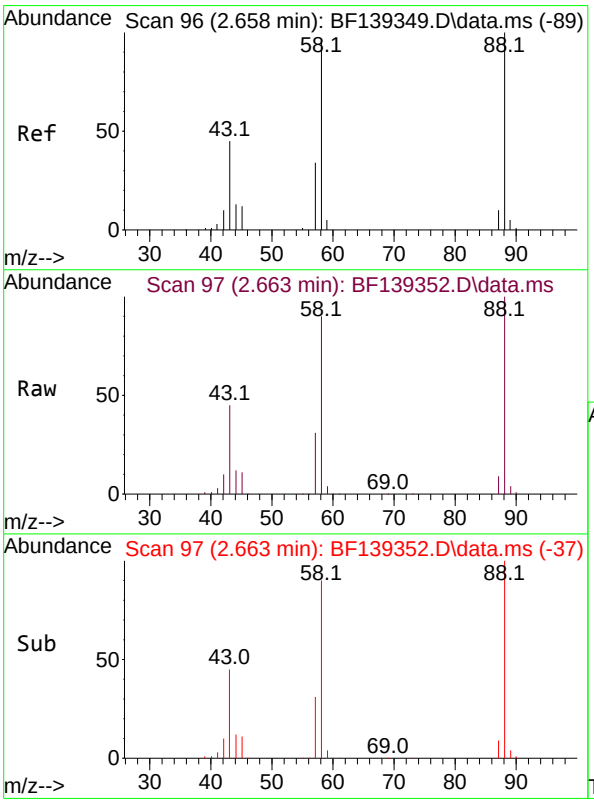
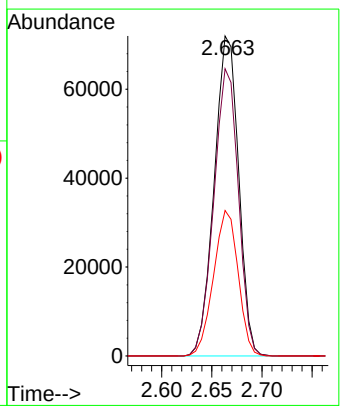
Supervised By :mohammad ahmed 09/16/2024

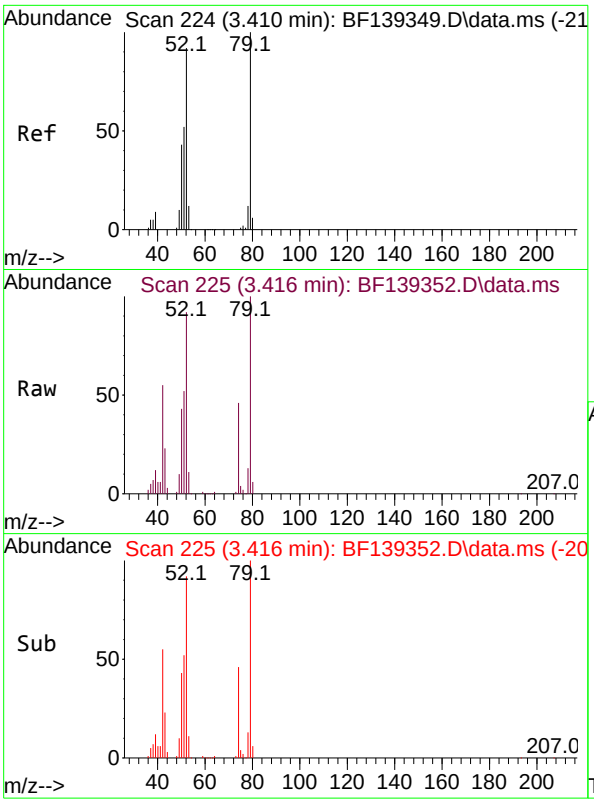



#2
1,4-Dioxane
Concen: 74.817 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 88 Resp: 121659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.2 | 74.8 | 112.2 |
| 43 | 45.8 | 36.4 | 54.6 |

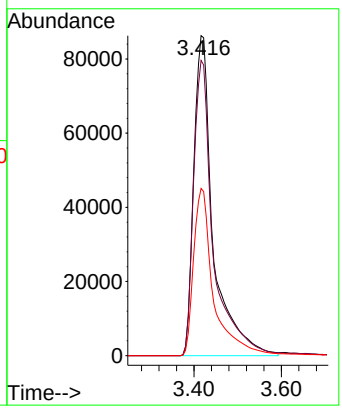





#3
Pyridine
Concen: 74.491 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 79 Resp: 26706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 92.2 | 73.8 | 110.8 |
| 51 | 52.3 | 41.8 | 62.6 |




**Instrument :**
BNA_F
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SSTDICC080

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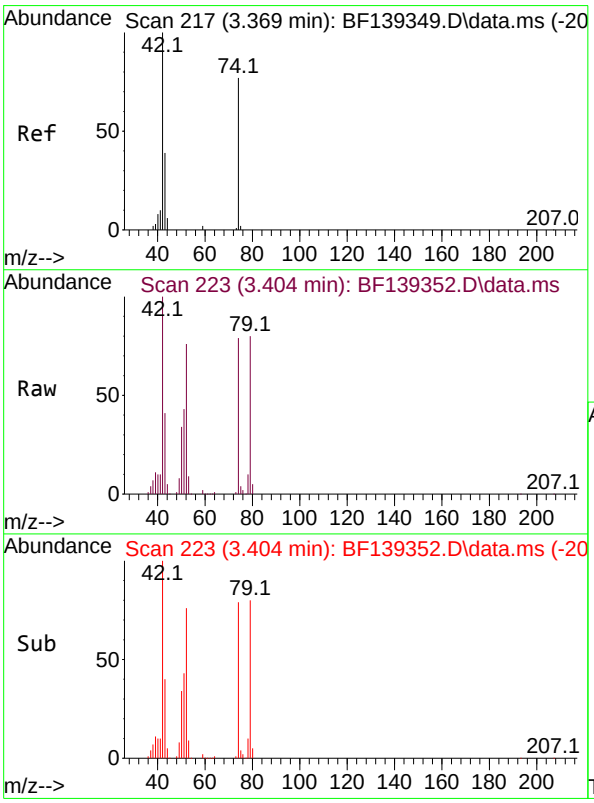
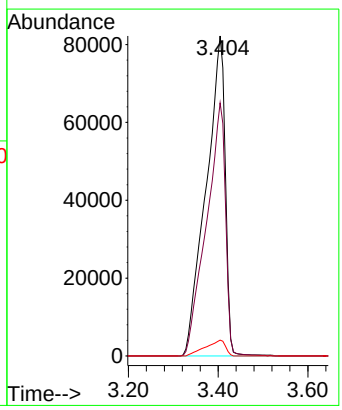
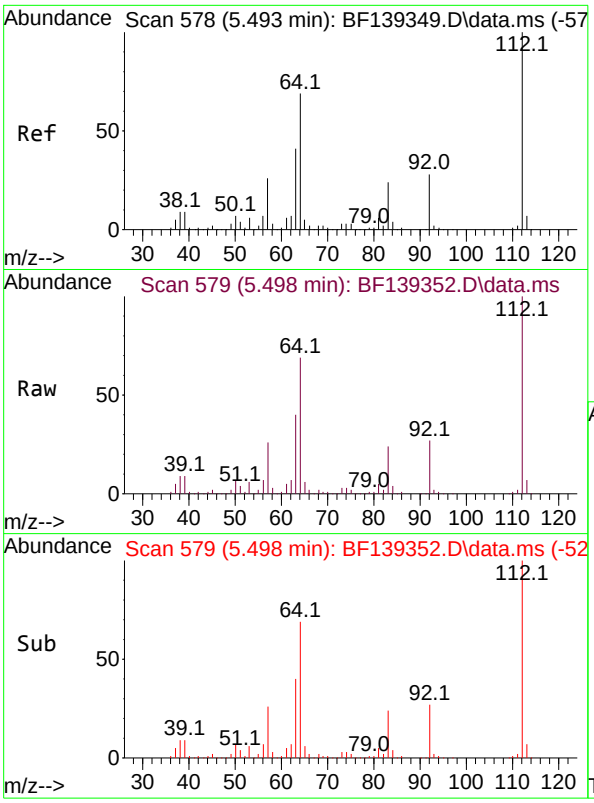



#4
n-Nitrosodimethylamine
Concen: 78.334 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.035 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 42 Resp: 243418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 79.1 | 61.8 | 92.8 |
| 44 | 5.0 | 4.8 | 7.2 |

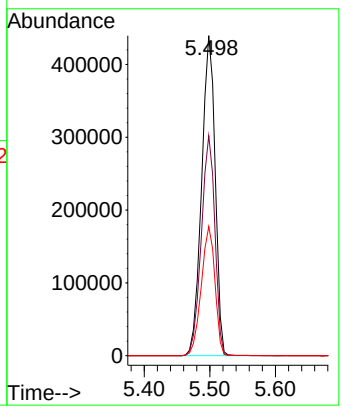





#5
2-Fluorophenol
Concen: 156.303 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:112 Resp: 63350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.7 | 54.8 | 82.2 |
| 63 | 40.4 | 33.0 | 49.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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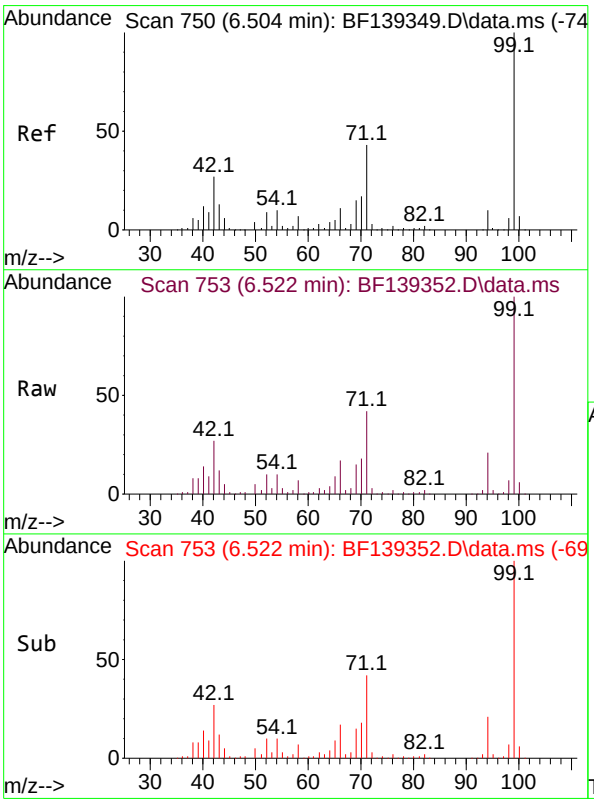
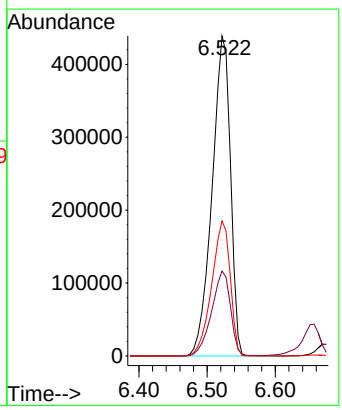
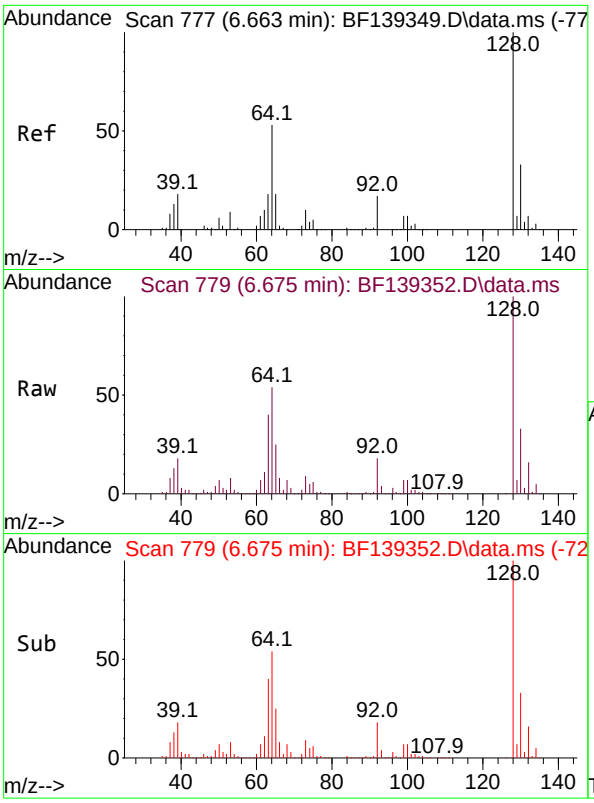



#7
Phenol-d6
Concen: 154.588 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 99 Resp: 822389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.6 | 21.9 | 32.9 |
| 71 | 42.2 | 34.6 | 52.0 |

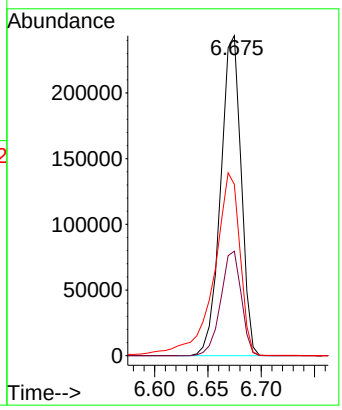





#8
2-Chlorophenol
Concen: 77.941 ng
RT: 6.675 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:128 Resp: 32517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.8 | 52.8 |
| 64 | 53.5 | 35.1 | 75.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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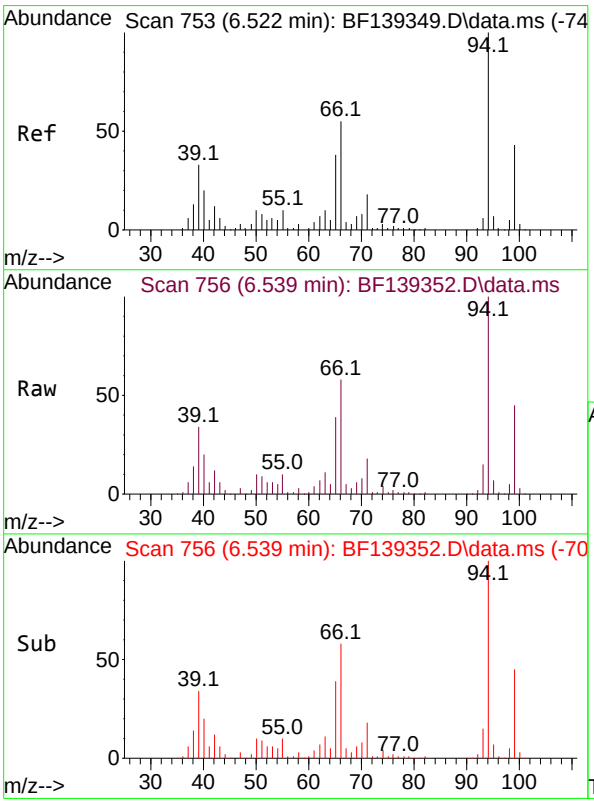
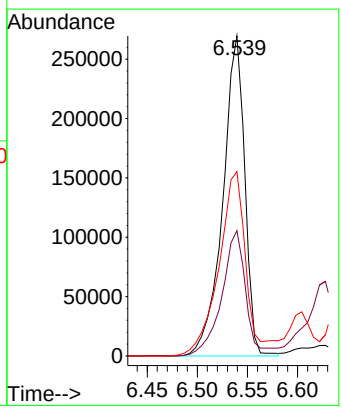
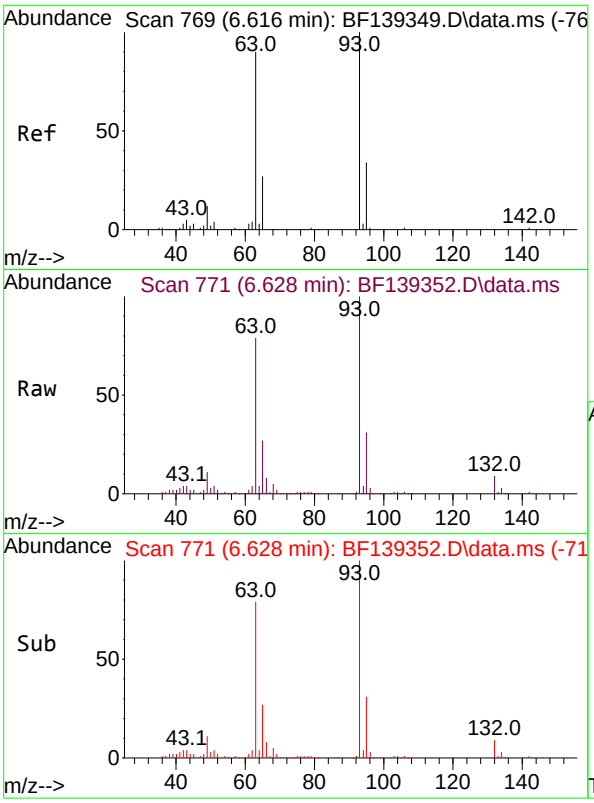



#10
Phenol
Concen: 76.024 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 94 Resp: 411917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.1 | 17.6 | 57.6 |
| 66 | 57.6 | 35.2 | 75.2 |

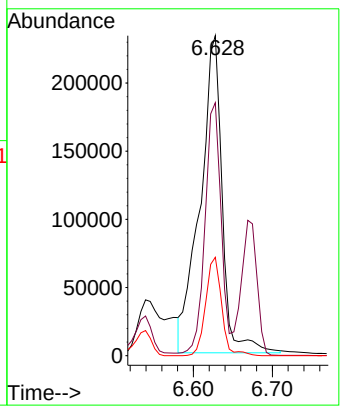





#11
bis(2-Chloroethyl)ether
Concen: 109.614 ng m
RT: 6.628 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 93 Resp: 45140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.1 | 65.3 | 105.3 |
| 95 | 30.8 | 12.4 | 52.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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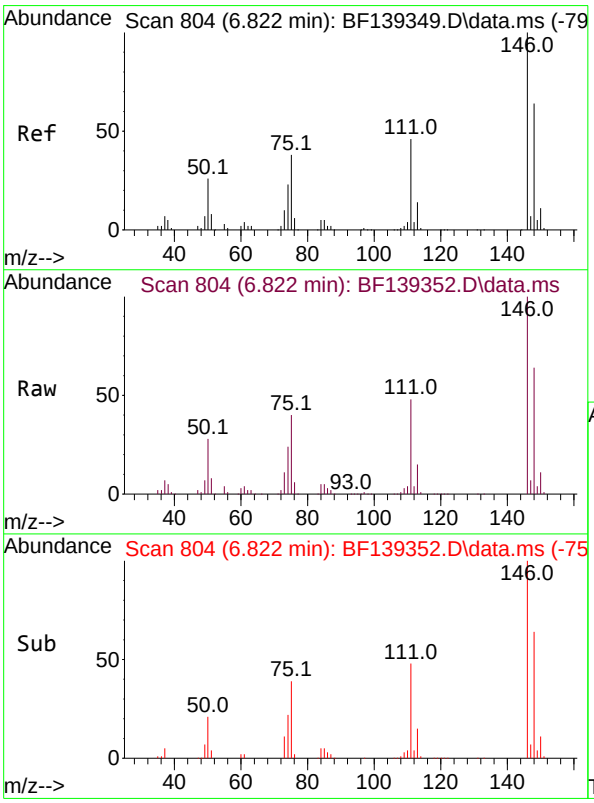
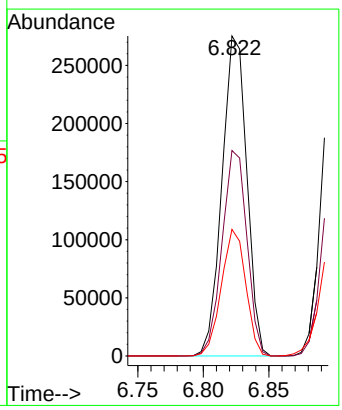
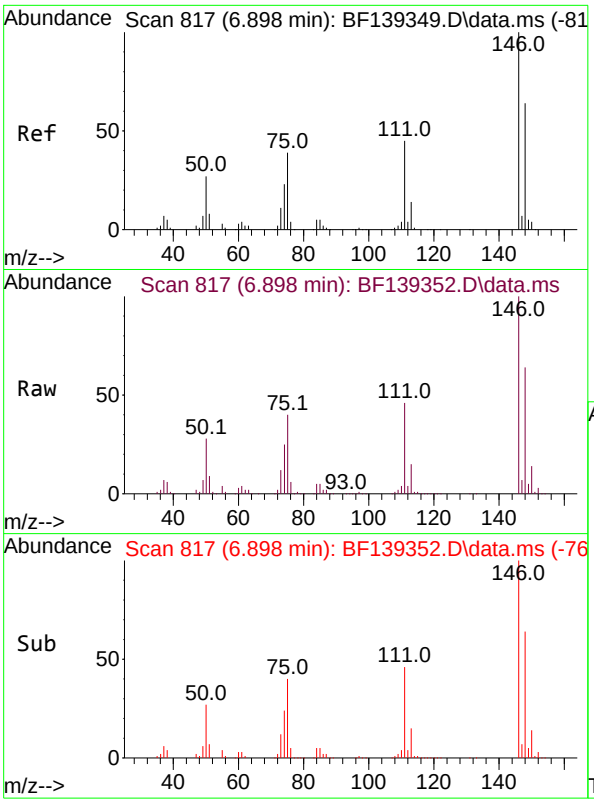



#12
1,3-Dichlorobenzene
Concen: 76.374 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:146 Resp: 362380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.2 | 76.8 |
| 75 | 39.6 | 30.6 | 46.0 |

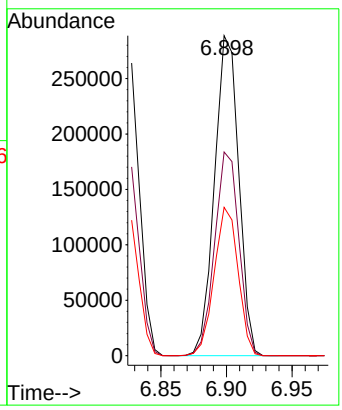





#13
1,4-Dichlorobenzene
Concen: 77.276 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:146 Resp: 37052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.9 | 76.3 |
| 111 | 46.4 | 36.3 | 54.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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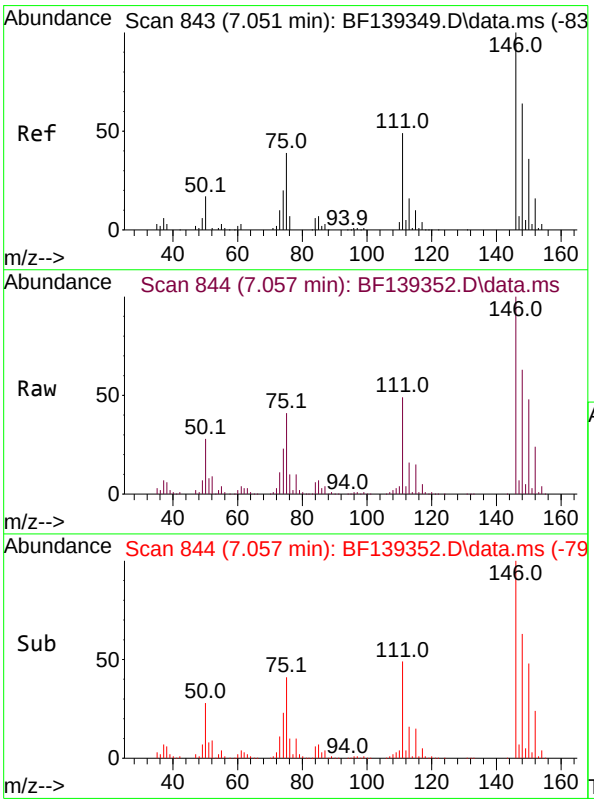
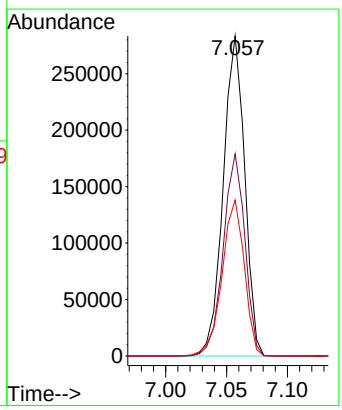
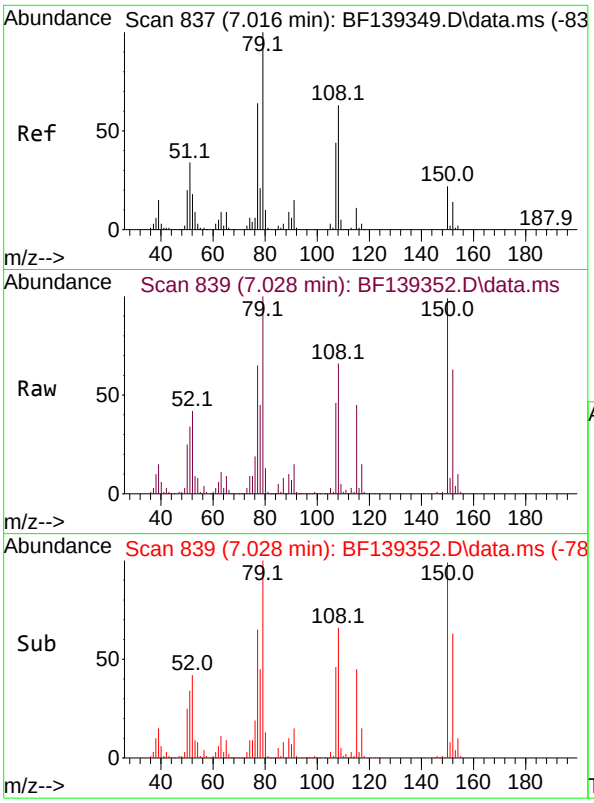



#14
1,2-Dichlorobenzene
Concen: 76.848 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:146 Resp: 348175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 50.9 | 76.3 |
| 111 | 48.7 | 38.9 | 58.3 |

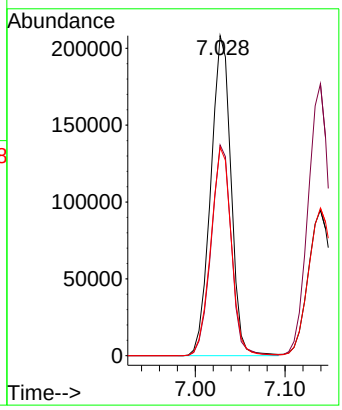





#15
Benzyl Alcohol
Concen: 76.809 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 79 Resp: 32600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 65.8 | 50.4 | 75.6 |
| 77 | 65.1 | 51.4 | 77.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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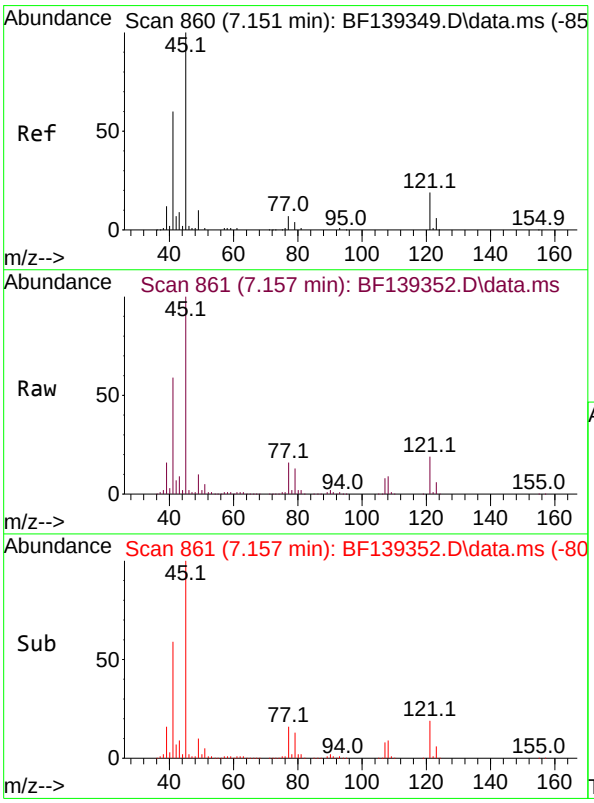
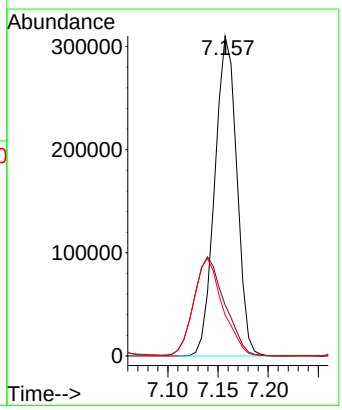
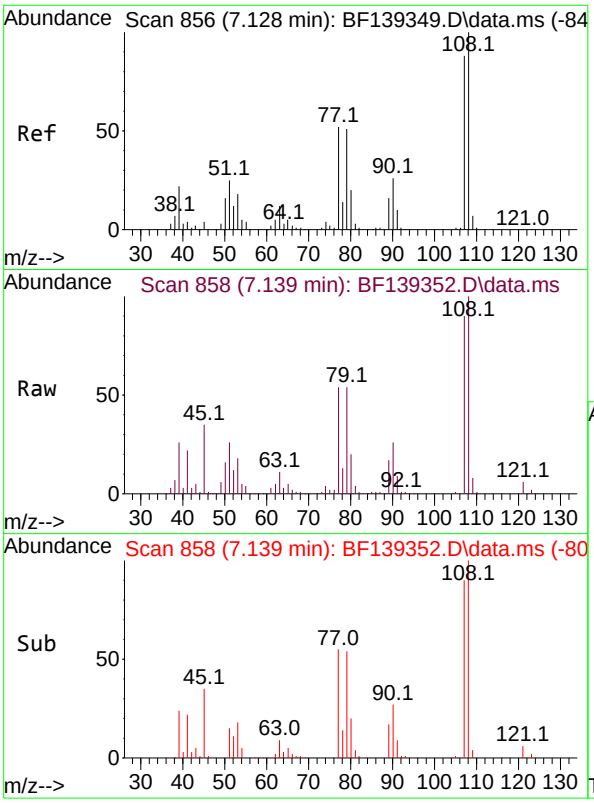



#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.703 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 45 Resp: 474109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.0 | 0.0 | 32.0 |
| 79 | 12.9 | 0.0 | 29.1 |

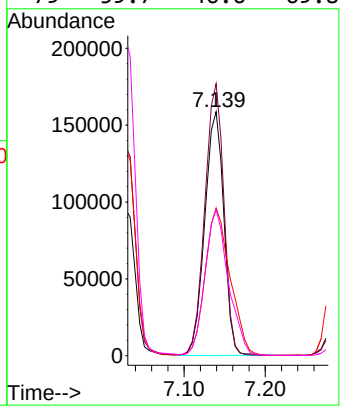





#17
2-Methylphenol
Concen: 78.327 ng
RT: 7.139 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:107 Resp: 25963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.5 | 90.5 | 135.7 |
| 77 | 60.6 | 47.1 | 70.7 |
| 79 | 59.7 | 46.6 | 69.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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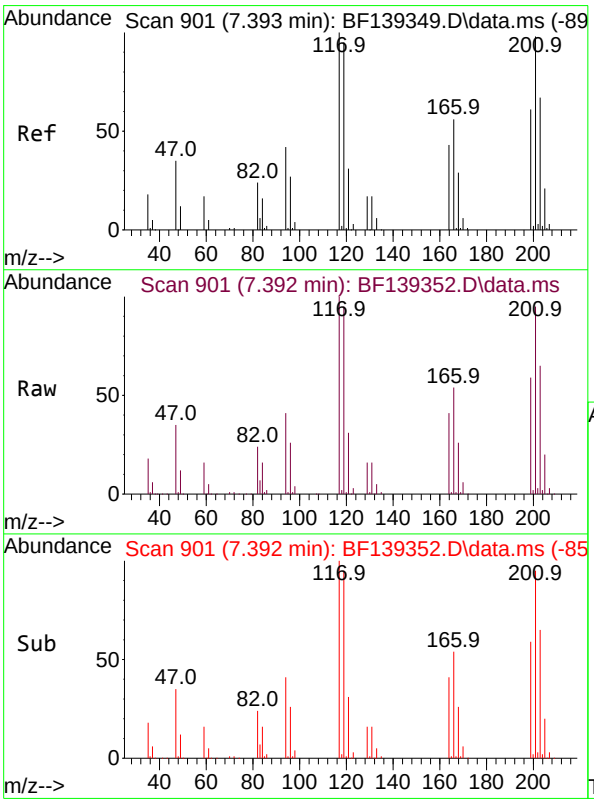
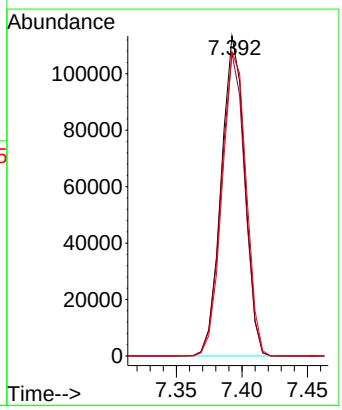
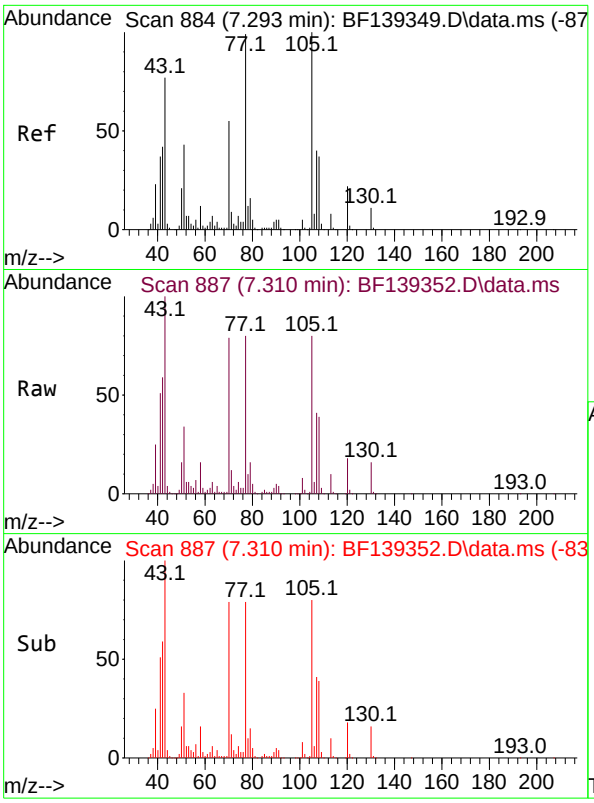



#18
Hexachloroethane
Concen: 77.259 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:117 Resp: 141097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 75.8 | 113.8 |
| 201 | 95.1 | 78.6 | 118.0 |

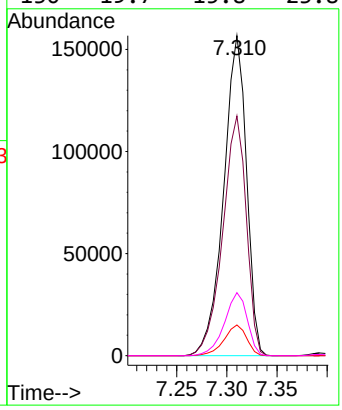





#19
n-Nitroso-di-n-propylamine
Concen: 78.784 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 70 Resp: 24836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 74.9 | 61.2 | 91.8 |
| 101 | 9.6 | 7.5 | 11.3 |
| 130 | 19.7 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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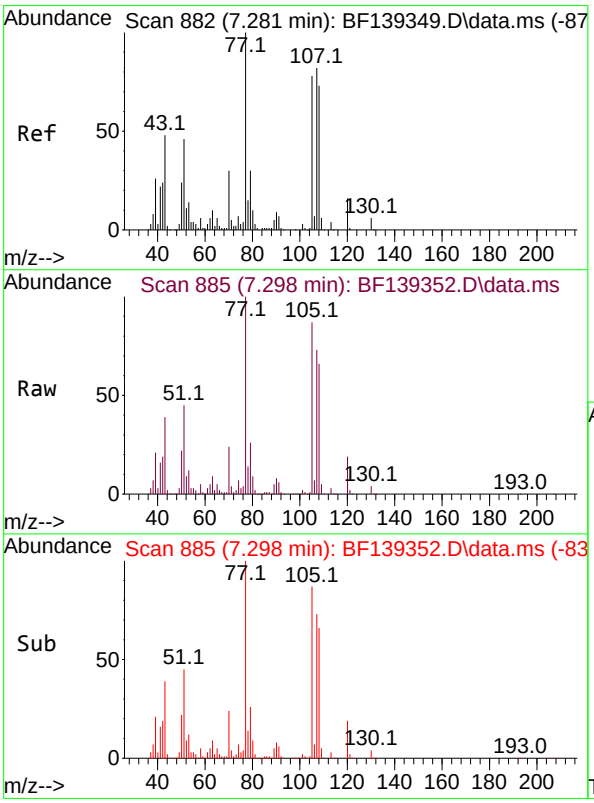
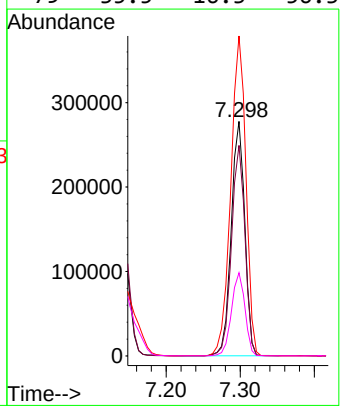
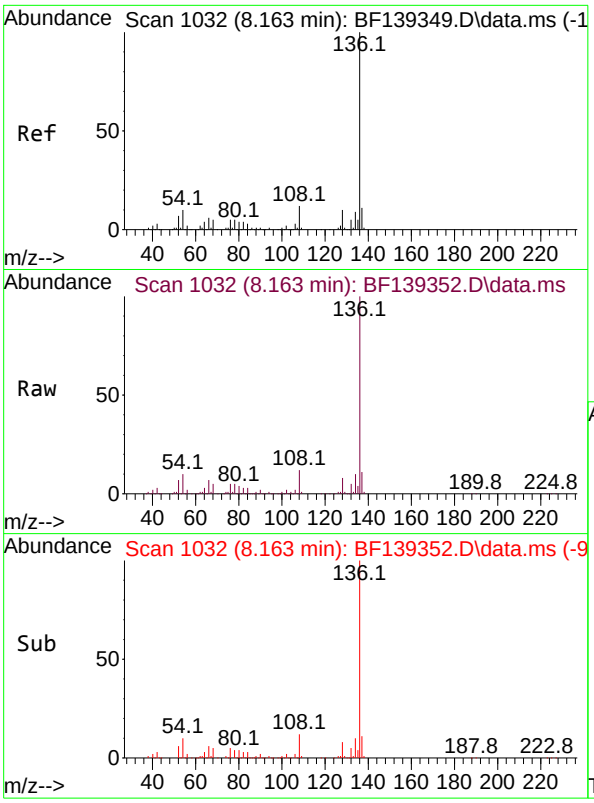



#20
3+4-Methylphenols
Concen: 77.825 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:107 Resp: 351953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 68.6 | 108.6 |
| 77 | 136.5 | 101.6 | 141.6 |
| 79 | 35.5 | 16.3 | 56.3 |

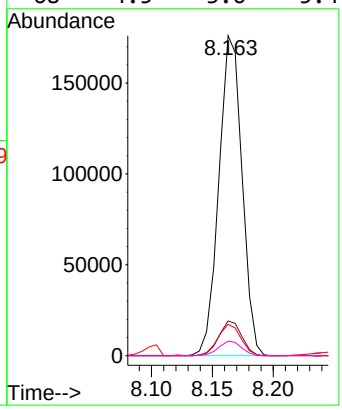





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:136 Resp: 23298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 12.8 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 4.5 | 3.6 | 5.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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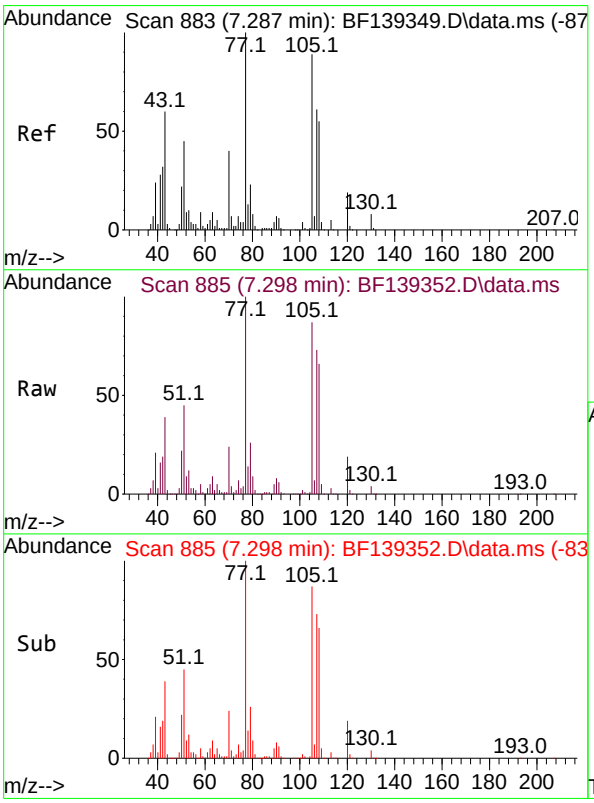
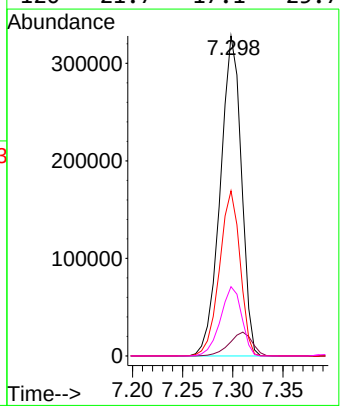
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

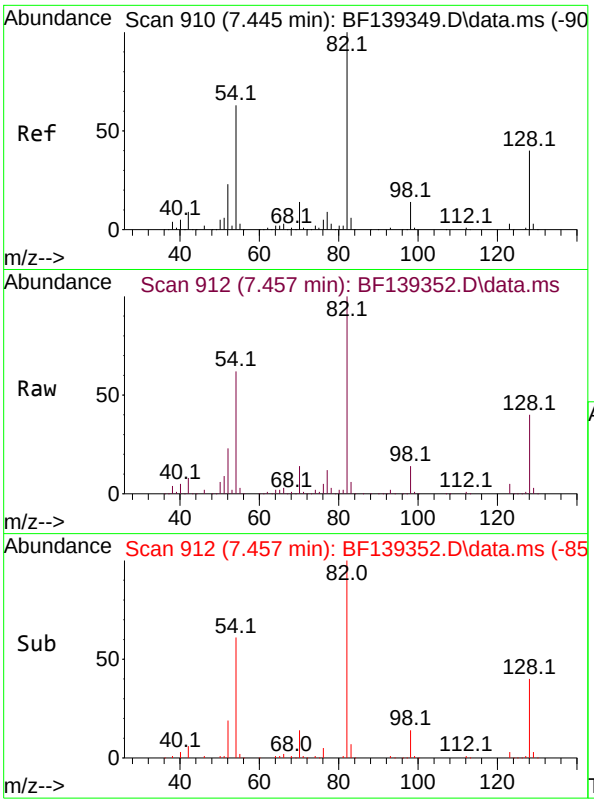



#22
Acetophenone
Concen: 78.801 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:105 Resp: 479979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.4 | 5.9 | 8.9# |
| 51 | 51.6 | 40.0 | 60.0 |
| 120 | 21.7 | 17.1 | 25.7 |






#23
Nitrobenzene-d5
Concen: 161.094 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 82 Resp: 79838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.9 | 31.8 | 47.6 |
| 54 | 62.1 | 50.6 | 75.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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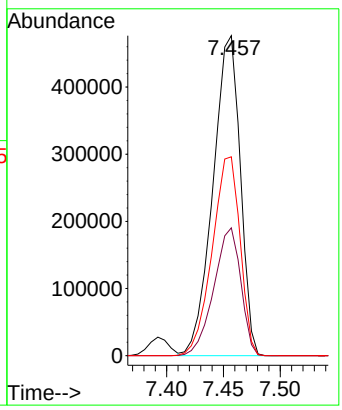
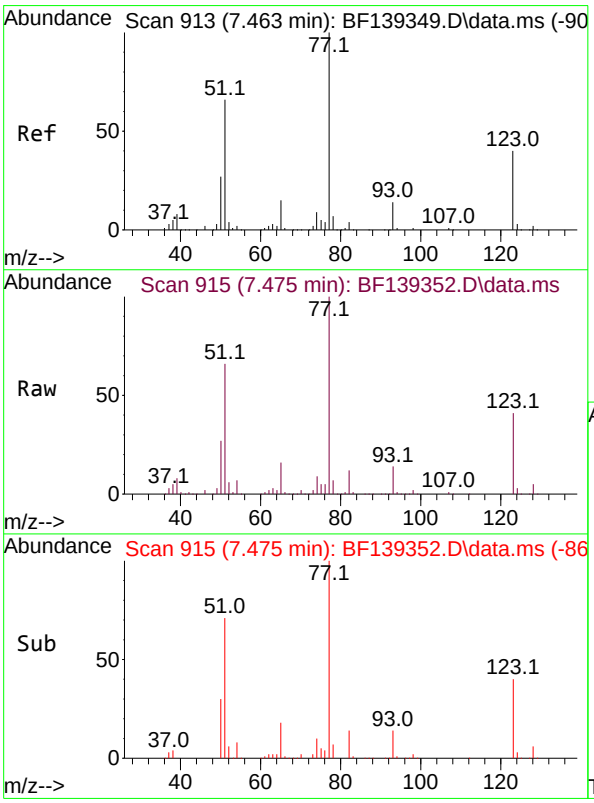
Supervised By :mohammad ahmed 09/16/2024

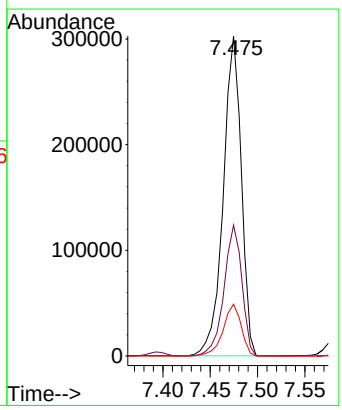


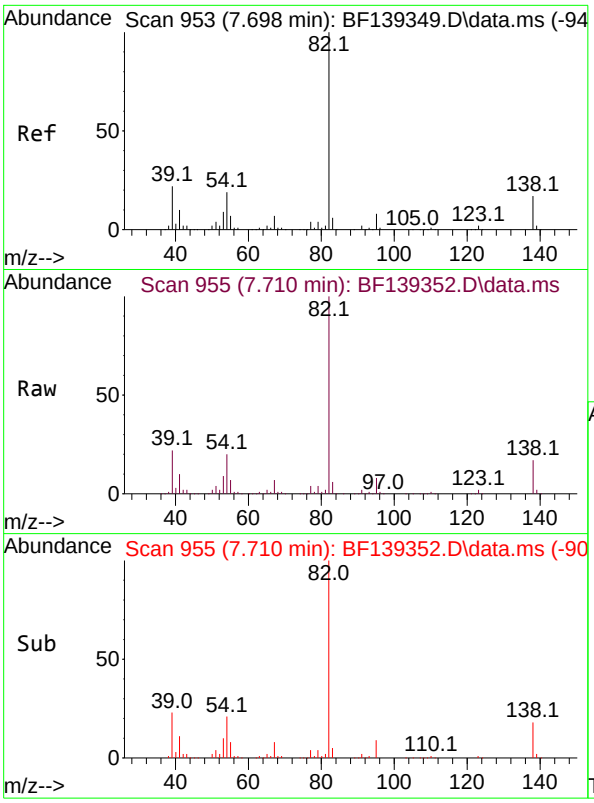




#24
Nitrobenzene
Concen: 78.622 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 77 Resp: 401035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 40.9 | 32.2 | 48.4 |
| 65 | 16.1 | 12.2 | 18.4 |

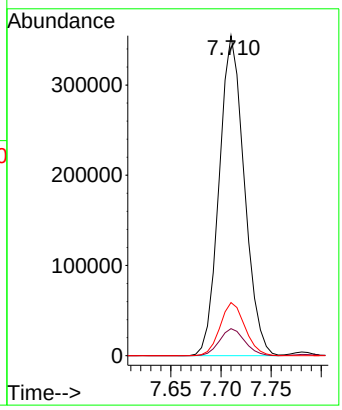





#25
Isophorone
Concen: 78.833 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 82 Resp: 61789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.7 | 10.1 |
| 138 | 16.6 | 13.3 | 19.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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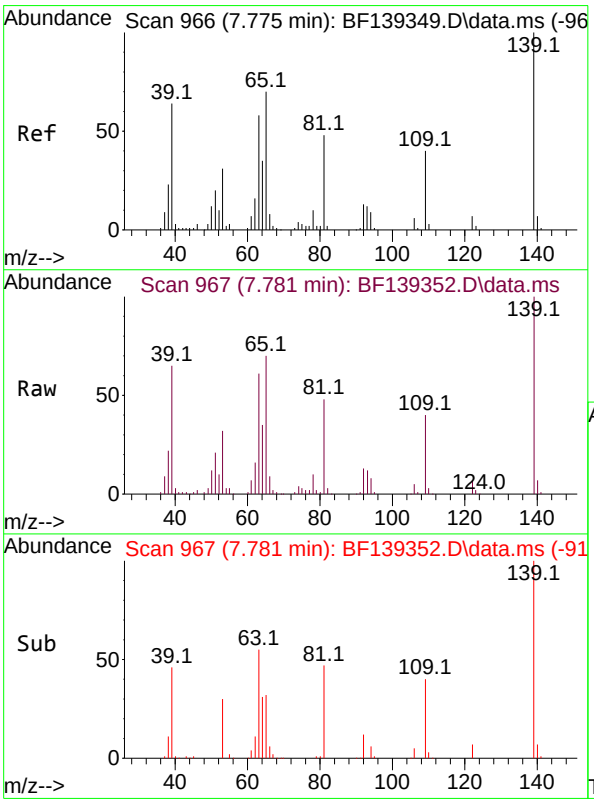
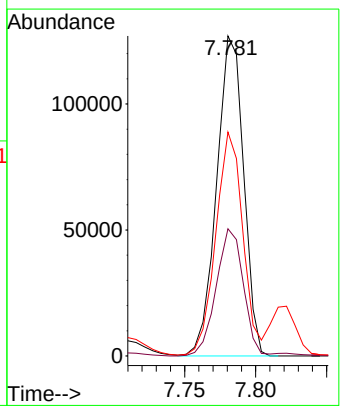
Supervised By :mohammad ahmed 09/16/2024

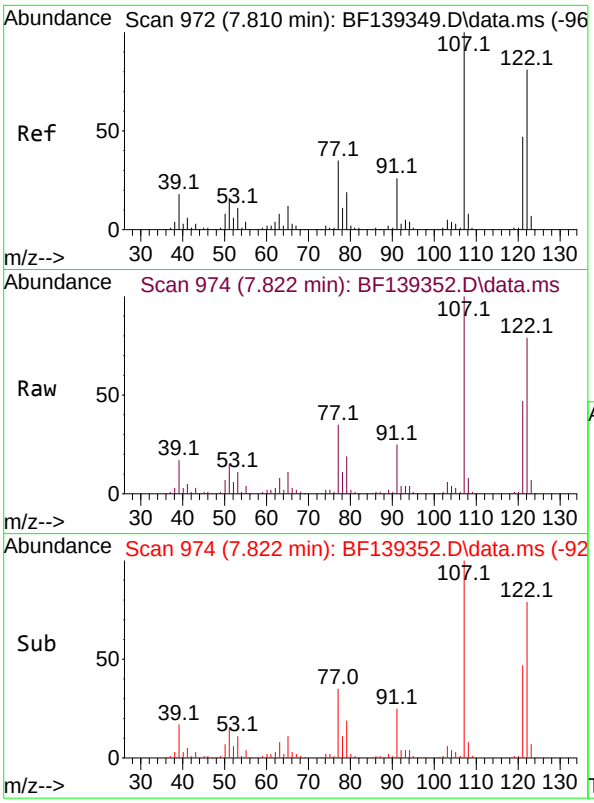



#26
2-Nitrophenol
Concen: 84.561 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:139 Resp: 168044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 39.8 | 32.2 | 48.2 |
| 65 | 70.0 | 55.8 | 83.8 |

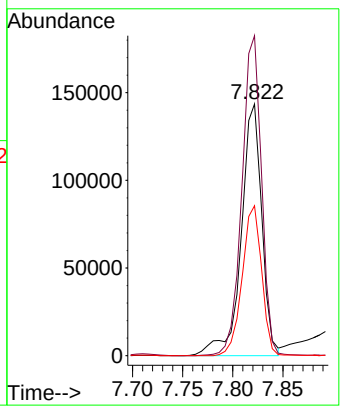





#27
2,4-Dimethylphenol
Concen: 78.593 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:122 Resp: 20602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 127.2 | 99.1 | 148.7 |
| 121 | 59.6 | 46.6 | 70.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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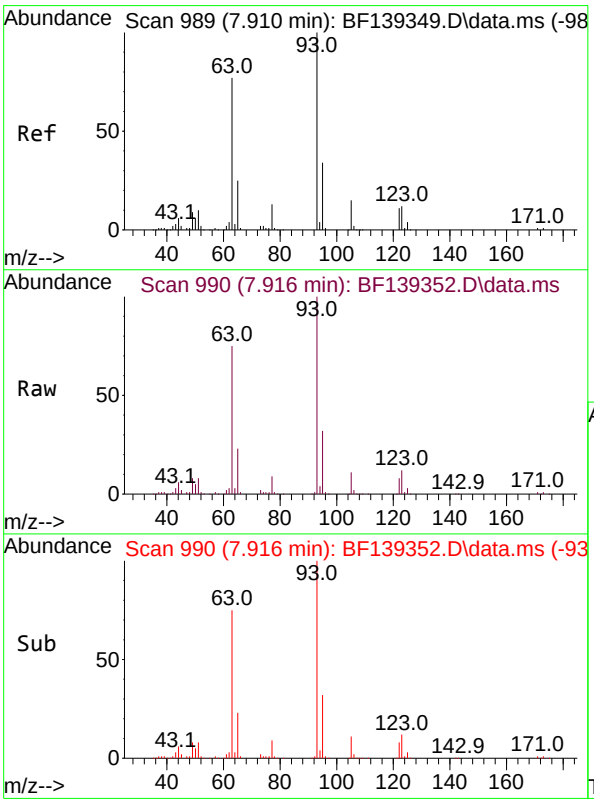
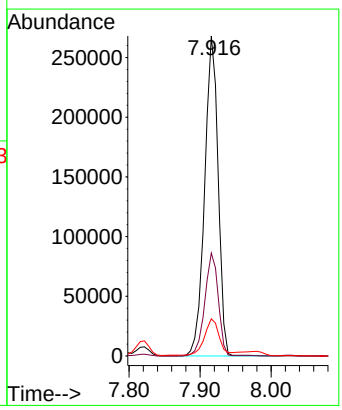
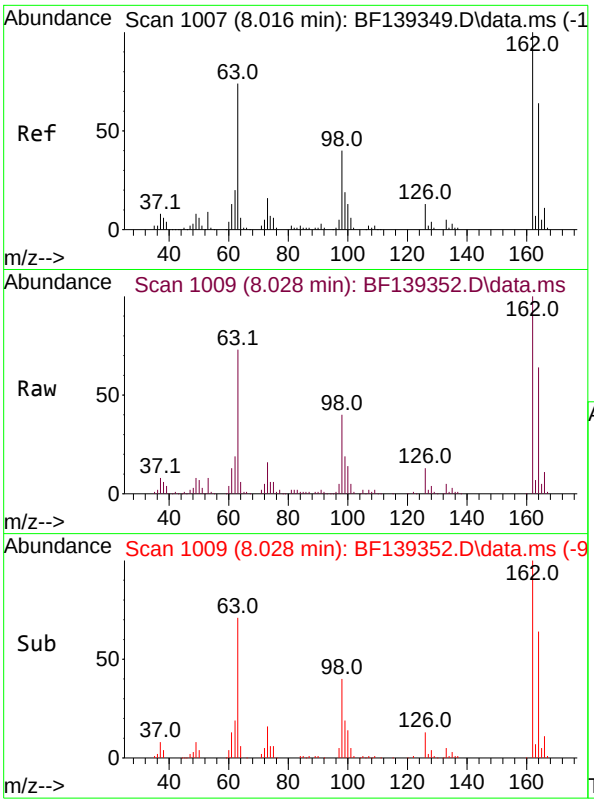



#28
bis(2-Chloroethoxy)methane
Concen: 79.499 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 93 Resp: 355128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.9 | 40.3 |
| 123 | 11.6 | 10.0 | 15.0 |

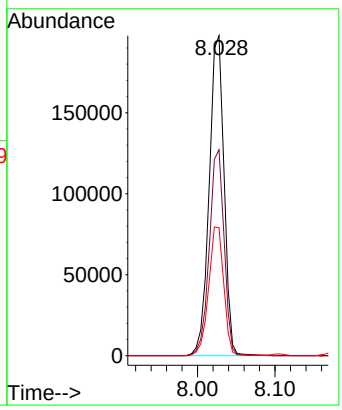





#29
2,4-Dichlorophenol
Concen: 79.303 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:162 Resp: 26408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.6 | 83.6 |
| 98 | 40.0 | 19.7 | 59.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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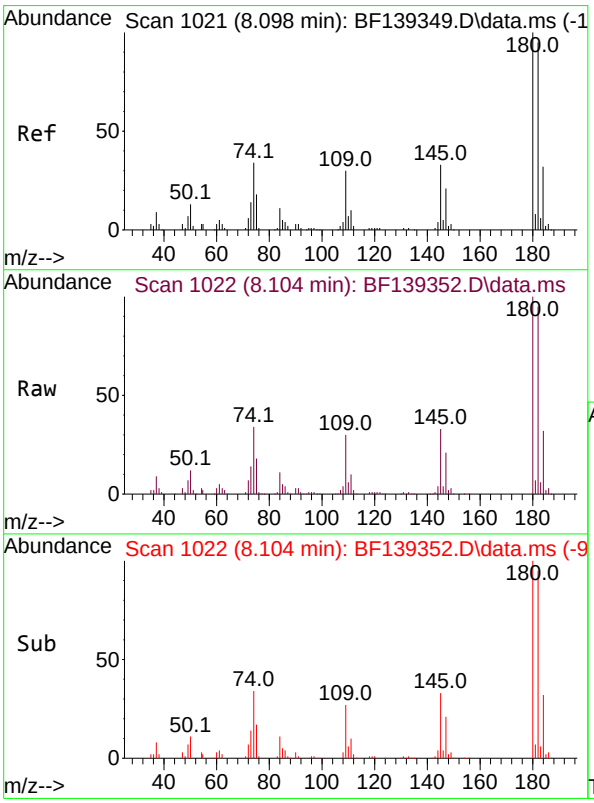
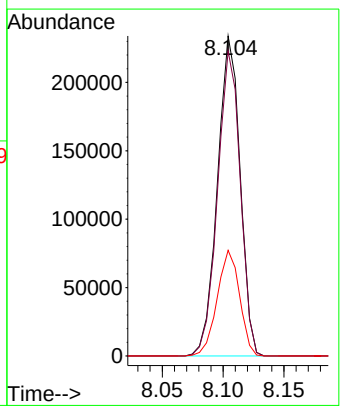
Supervised By :mohammad ahmed 09/16/2024

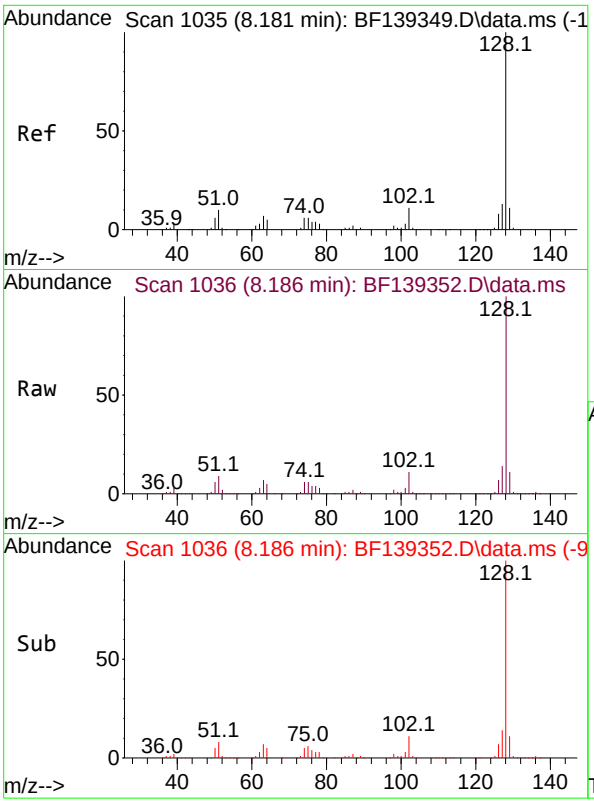



#30
1,2,4-Trichlorobenzene
Concen: 78.143 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:180 Resp: 303204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 75.7 | 113.5 |
| 145 | 33.0 | 26.5 | 39.7 |

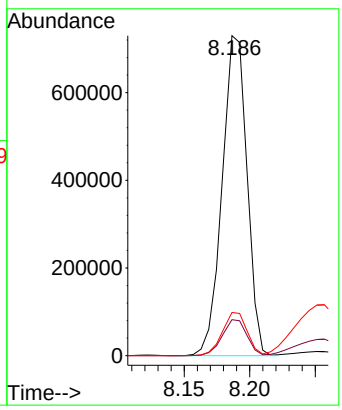





#31
Naphthalene
Concen: 79.198 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:128 Resp: 96332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 13.0 |
| 127 | 13.5 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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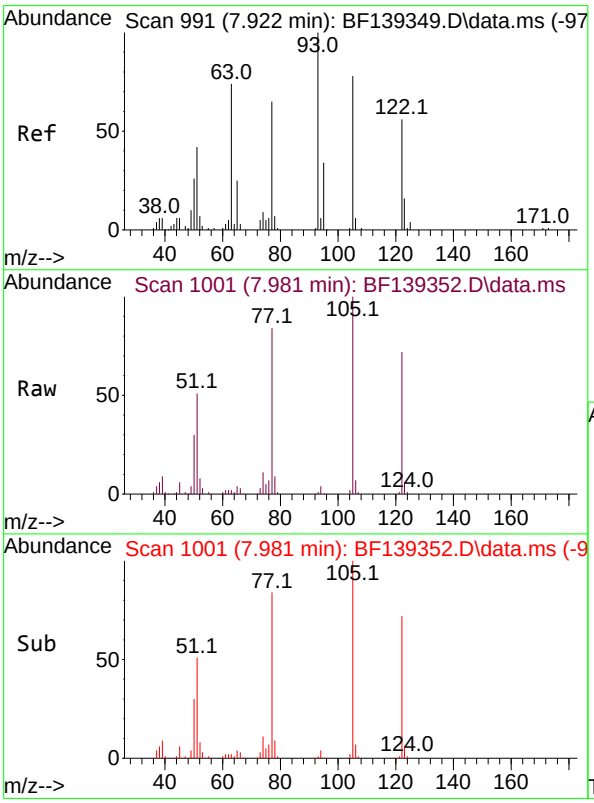
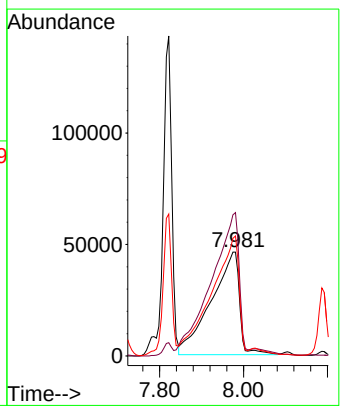
Supervised By :mohammad ahmed 09/16/2024

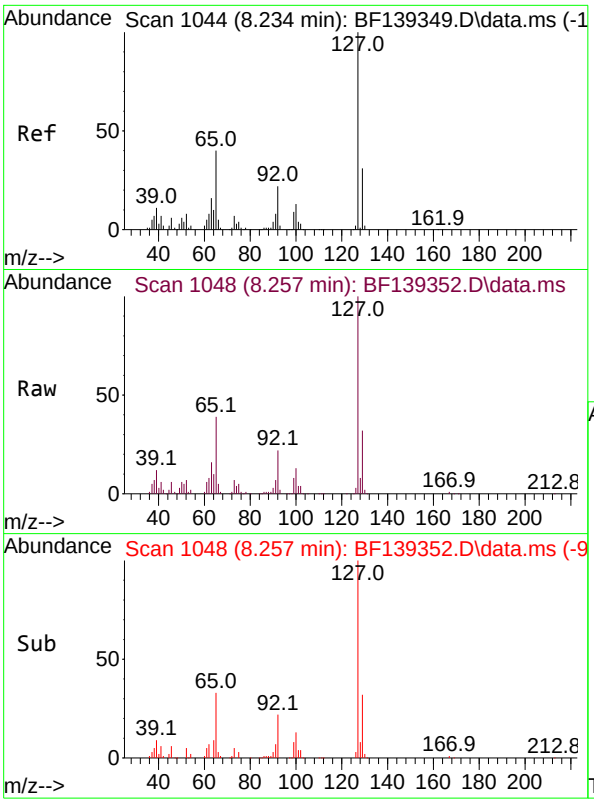



#32
Benzoic acid
Concen: 87.390 ng m
RT: 7.981 min Scan# 1001
Delta R.T. 0.059 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:122 Resp: 215219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 138.0 | 117.1 | 157.1 |
| 77 | 115.5 | 95.4 | 135.4 |

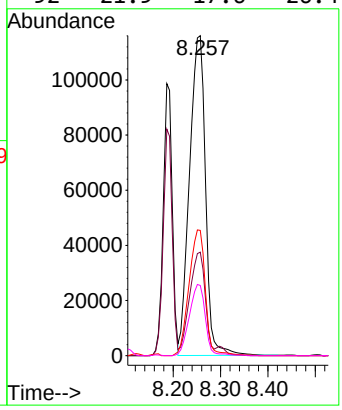





#33
4-Chloroaniline
Concen: 73.324 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.023 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:127 Resp: 27284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.5 | 38.3 |
| 65 | 39.2 | 31.5 | 47.3 |
| 92 | 21.9 | 17.6 | 26.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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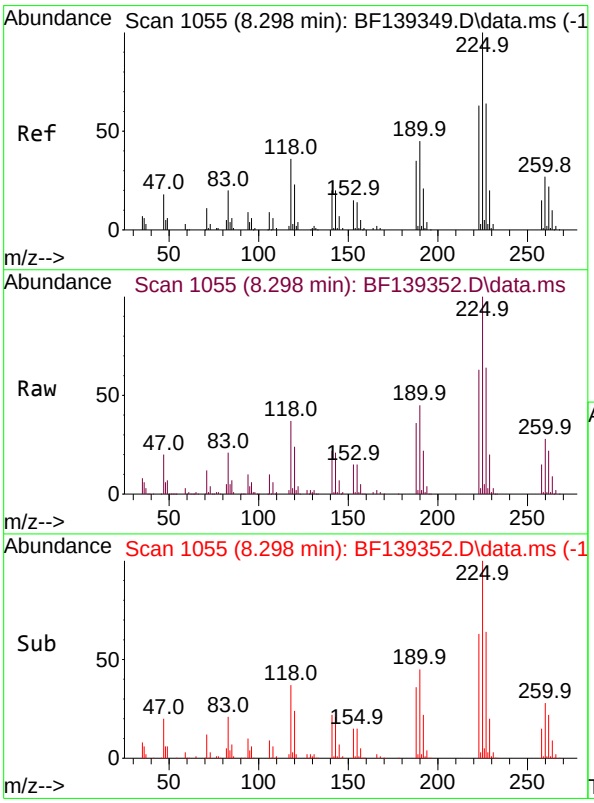
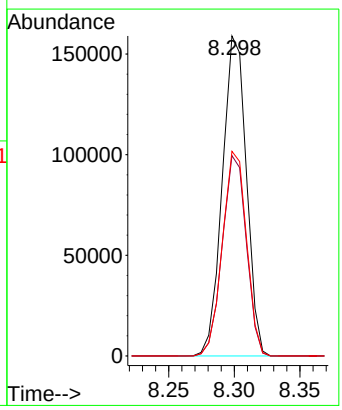
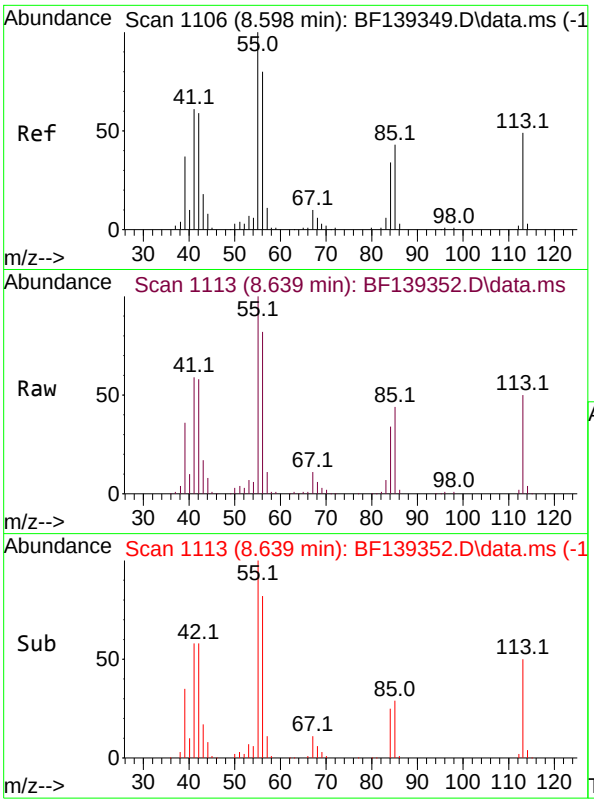



#34
Hexachlorobutadiene
Concen: 76.928 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:225 Resp: 202793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.1 | 75.1 |
| 227 | 63.9 | 51.0 | 76.6 |






#35
Caprolactam
Concen: 79.884 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.041 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:113 Resp: 8183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 201.1 | 186.1 | 226.1 |
| 56 | 164.3 | 144.9 | 184.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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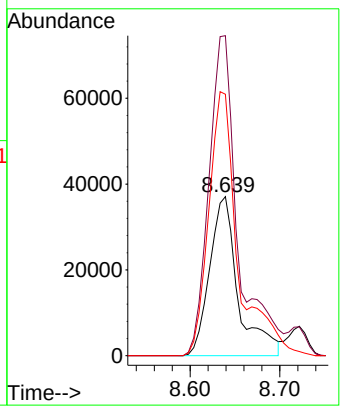
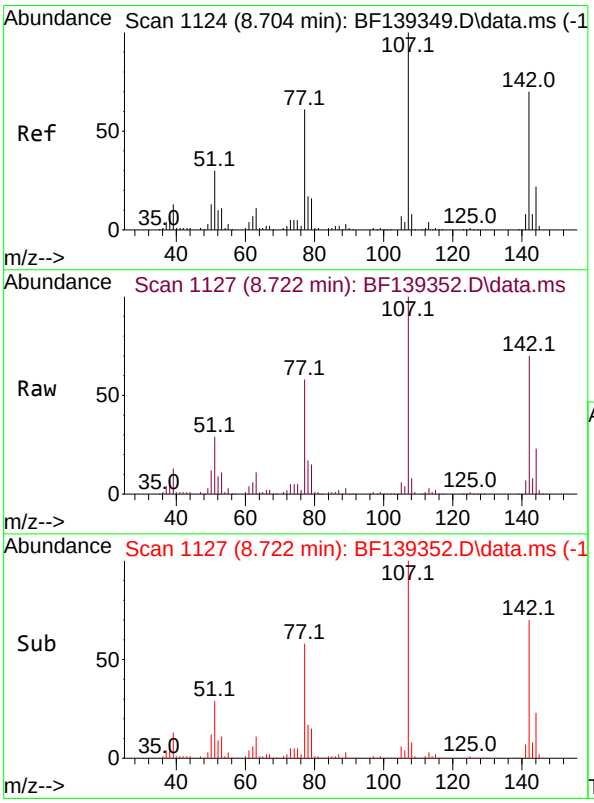
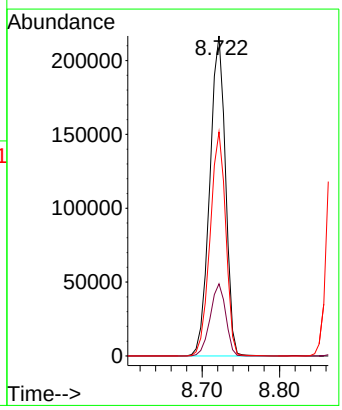


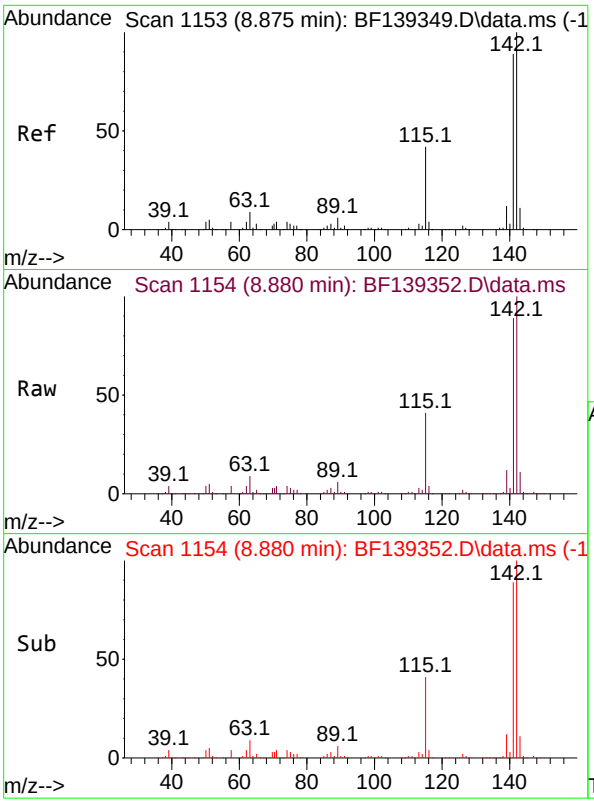




#36
4-Chloro-3-methylphenol
Concen: 80.190 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:107 Resp: 305192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.6 | 17.5 | 26.3 |
| 142 | 70.0 | 55.8 | 83.8 |






#37
2-Methylnaphthalene
Concen: 78.607 ng
RT: 8.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:142 Resp: 60688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.6 | 107.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

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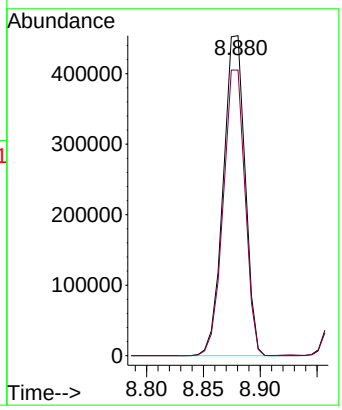
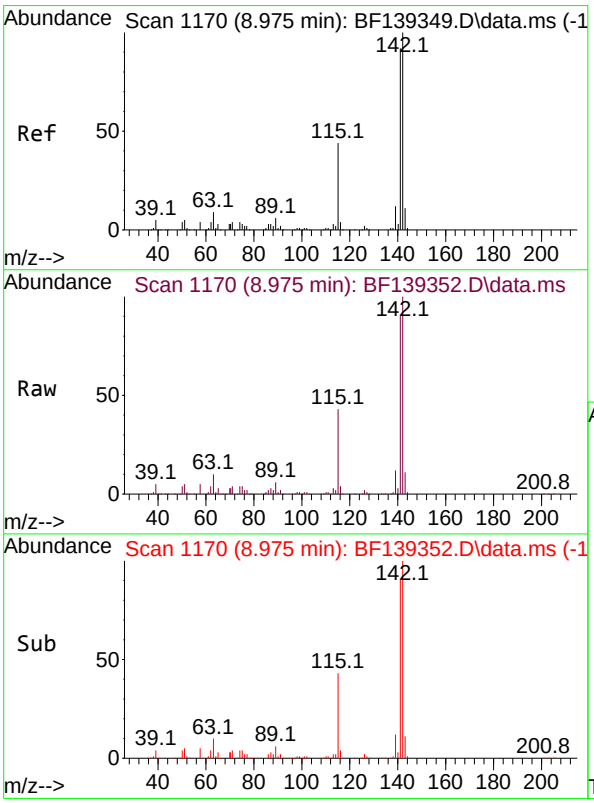
Supervised By :mohammad ahmed 09/16/2024

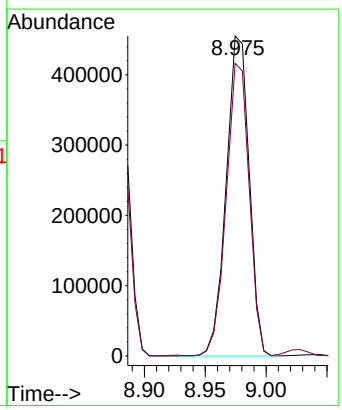


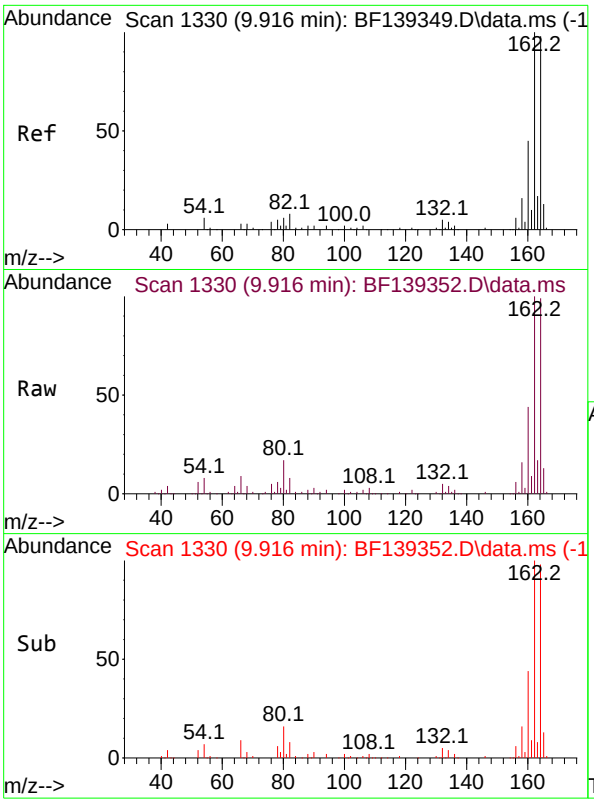




#38
1-Methylnaphthalene
Concen: 79.092 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:142 Resp: 599493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.2 | 109.8 |

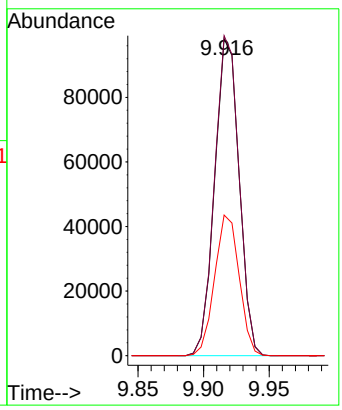





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:164 Resp: 12699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 81.3 | 121.9 |
| 160 | 44.4 | 36.4 | 54.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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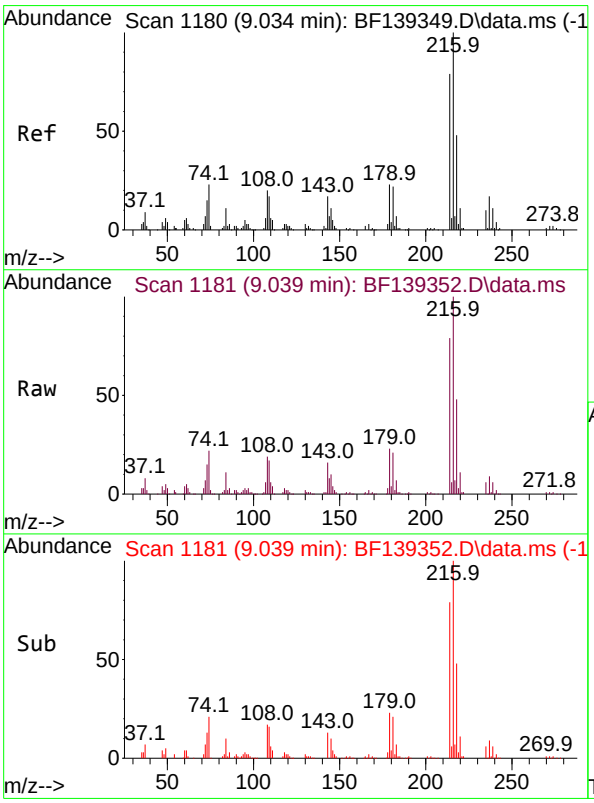
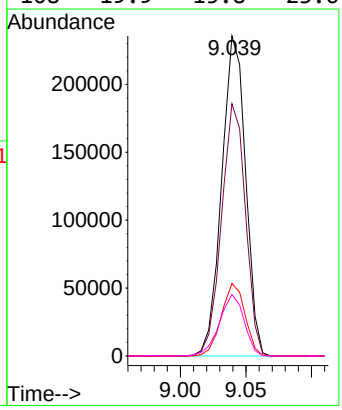
Supervised By :mohammad ahmed 09/16/2024

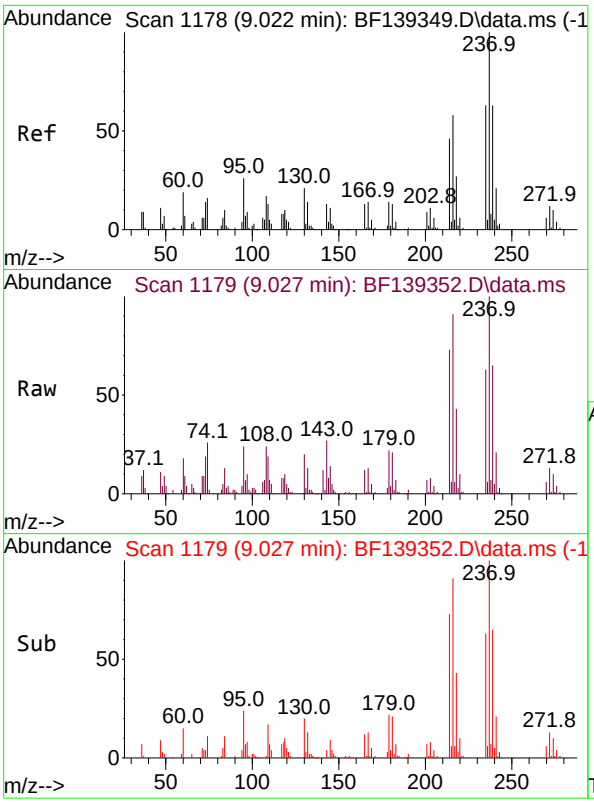



#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.368 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:216 Resp: 298724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 63.4 | 95.0 |
| 179 | 22.4 | 18.2 | 27.2 |
| 108 | 19.9 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 72.430 ng
RT: 9.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 9518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.3 | 42.7 | 82.7 |
| 272 | 12.5 | 0.0 | 32.5 |

**Manual Integrations**
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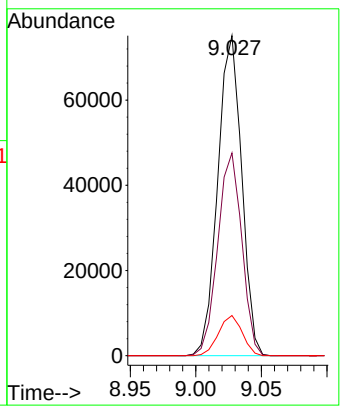
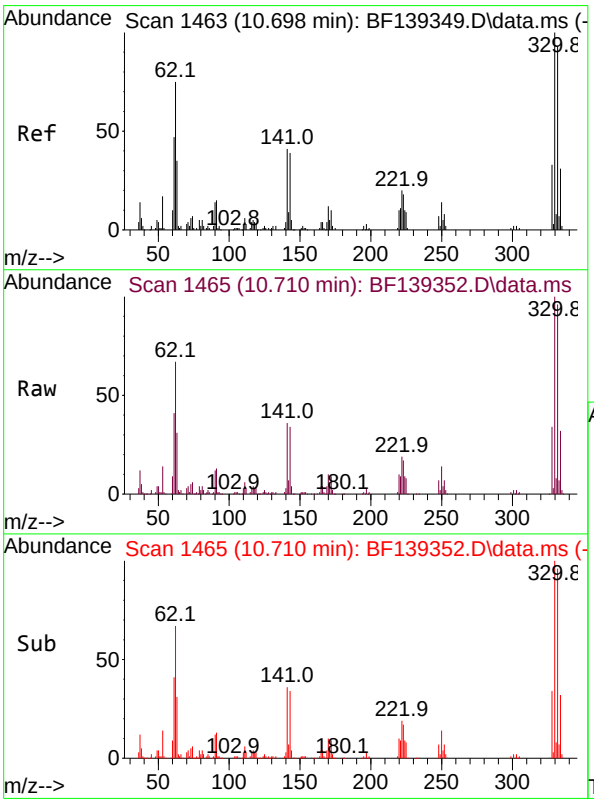
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

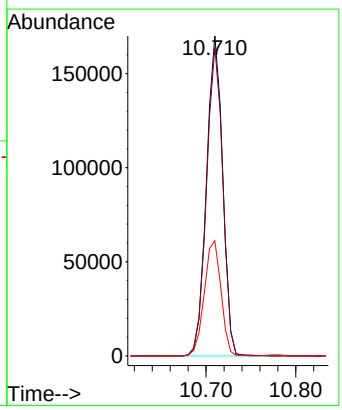


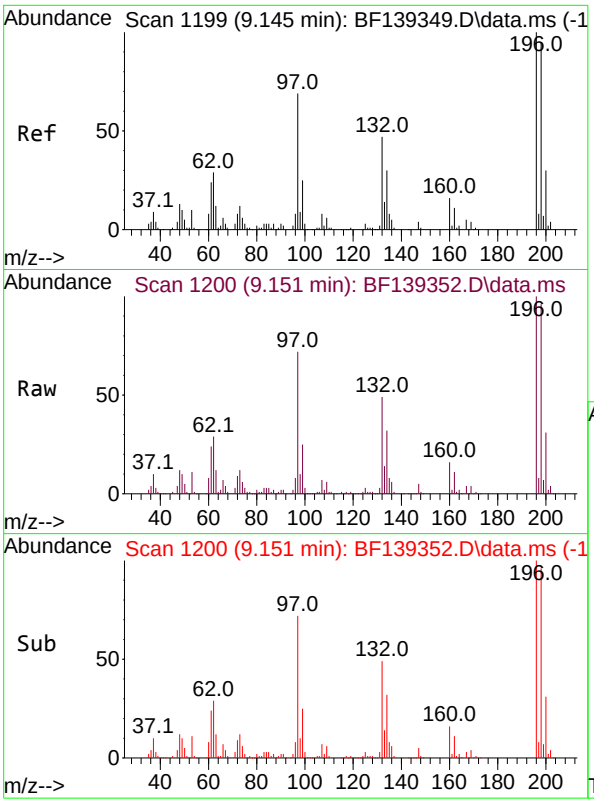




#42
2,4,6-Tribromophenol
Concen: 157.565 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:330 Resp: 213033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 75.2 | 112.8 |
| 141 | 37.1 | 31.2 | 46.8 |

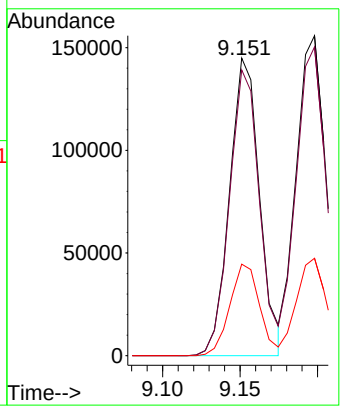





#43
2,4,6-Trichlorophenol
Concen: 79.656 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:196 Resp: 19505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 75.8 | 113.6 |
| 200 | 30.8 | 24.1 | 36.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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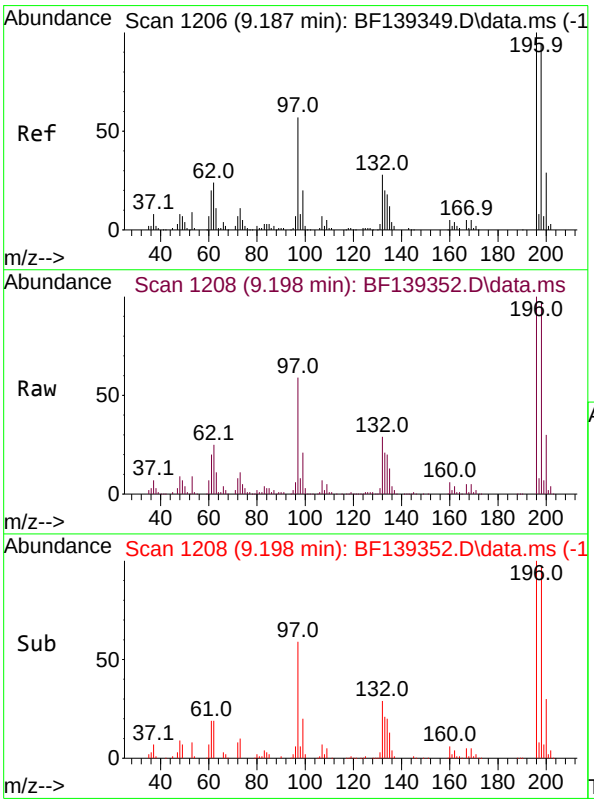
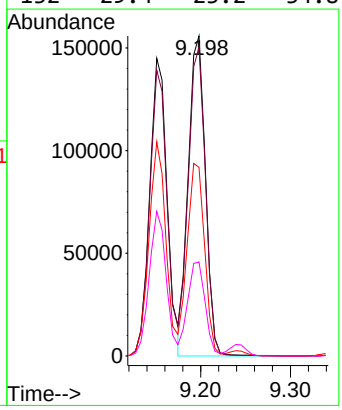
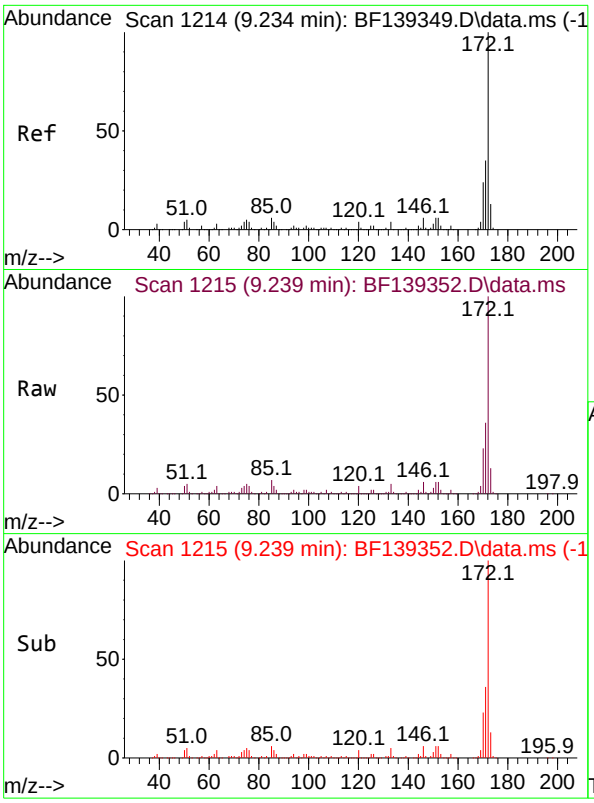



#44
2,4,5-Trichlorophenol
Concen: 80.566 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:196 Resp: 208100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 74.8 | 112.2 |
| 97 | 59.0 | 47.3 | 70.9 |
| 132 | 29.4 | 23.2 | 34.8 |

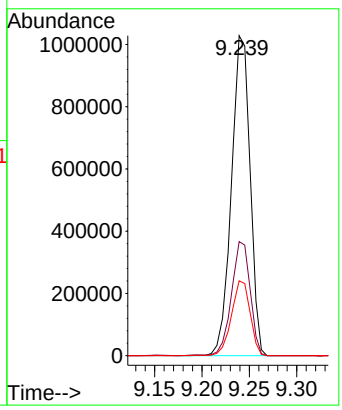





#45
2-Fluorobiphenyl
Concen: 155.345 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:172 Resp: 140663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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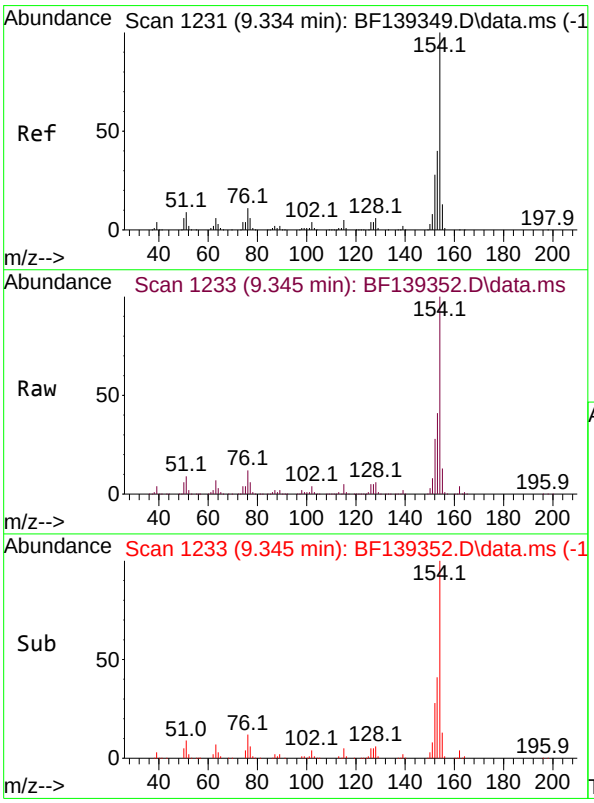
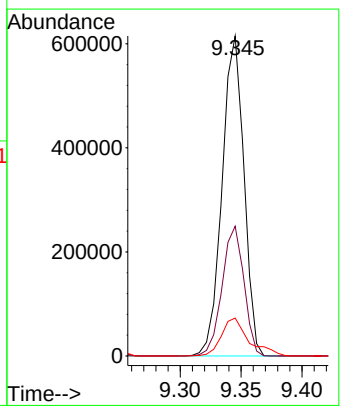
Supervised By :mohammad ahmed 09/16/2024

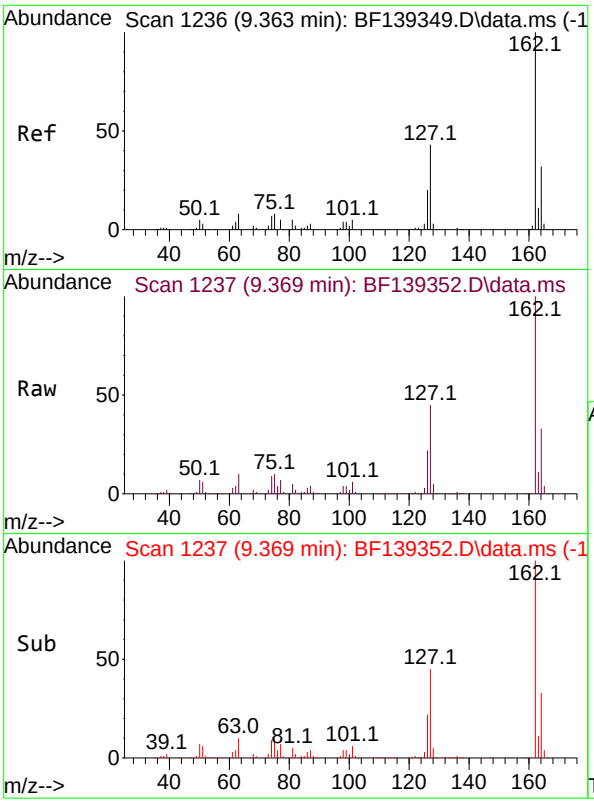



#46
1,1'-Biphenyl
Concen: 78.446 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:154 Resp: 766437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 20.1 | 60.1 |
| 76 | 11.9 | 0.0 | 31.1 |

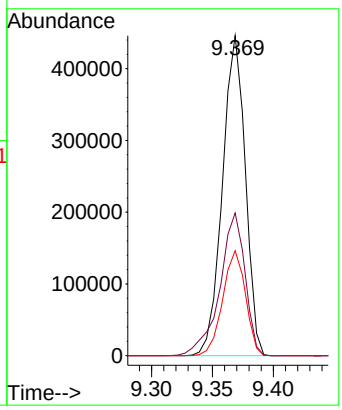





#47
2-Chloronaphthalene
Concen: 79.713 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:162 Resp: 582318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.6 | 35.0 | 52.4 |
| 164 | 32.8 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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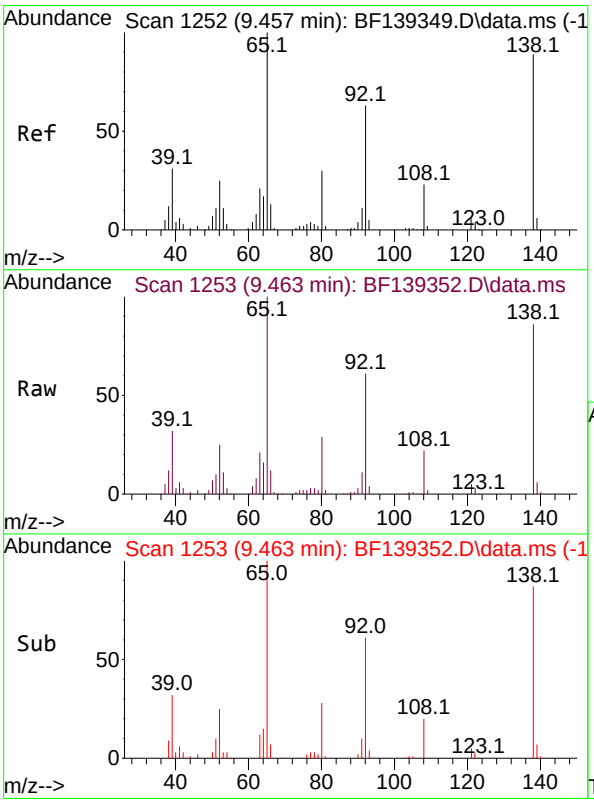
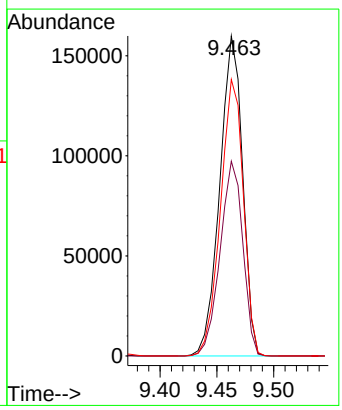
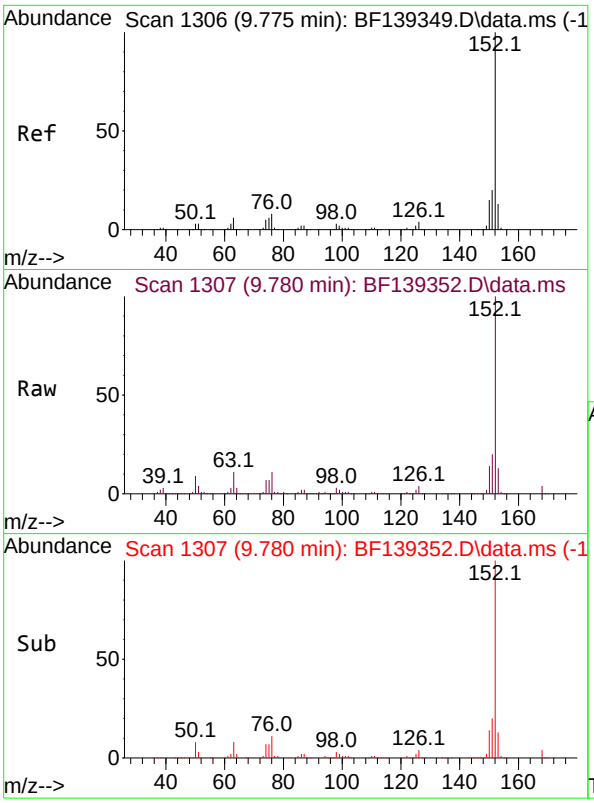



#48
2-Nitroaniline
Concen: 82.167 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 65 Resp: 223259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.8 | 50.3 | 75.5 |
| 138 | 86.4 | 71.3 | 106.9 |

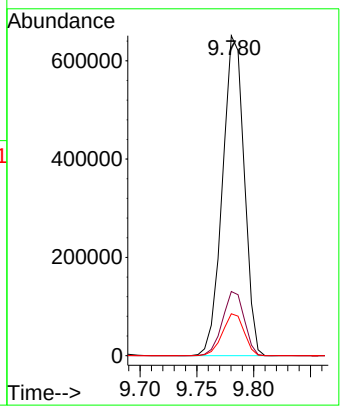





#49
Acenaphthylene
Concen: 78.947 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:152 Resp: 86813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.2 | 24.2 |
| 153 | 13.1 | 10.3 | 15.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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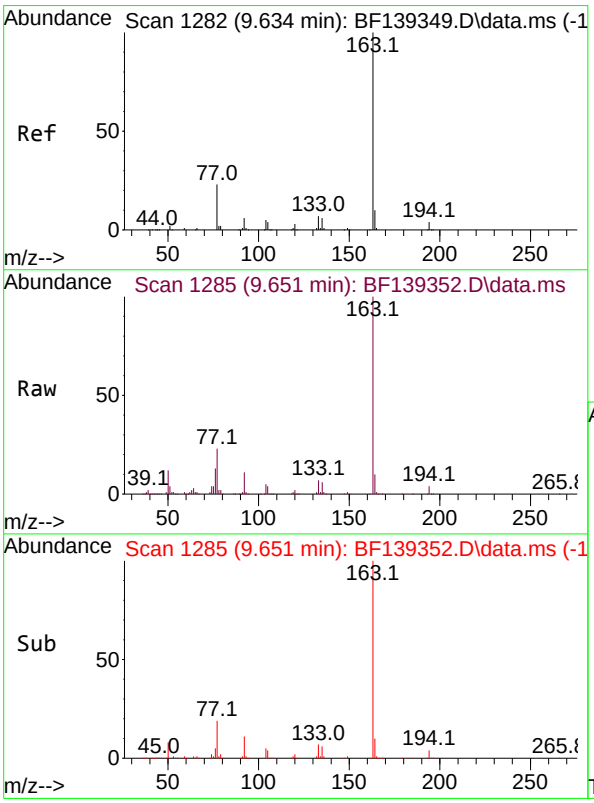
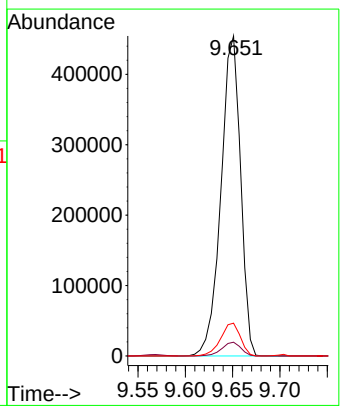
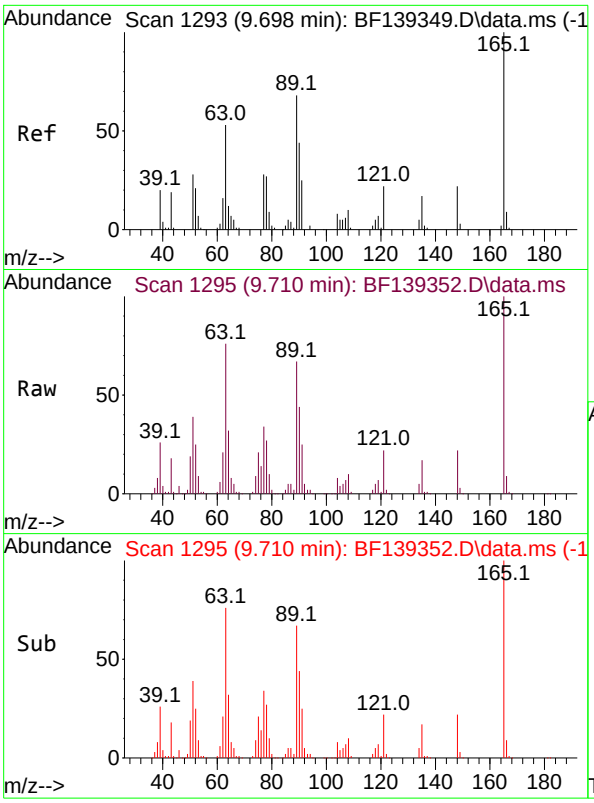



#50
Dimethylphthalate
Concen: 78.326 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:163 Resp: 652879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.1 | 4.7 |
| 164 | 10.2 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 81.625 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:165 Resp: 15072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 76.2 | 60.9 | 91.3 |
| 89 | 66.6 | 54.7 | 82.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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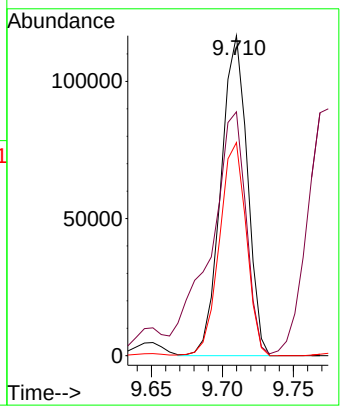
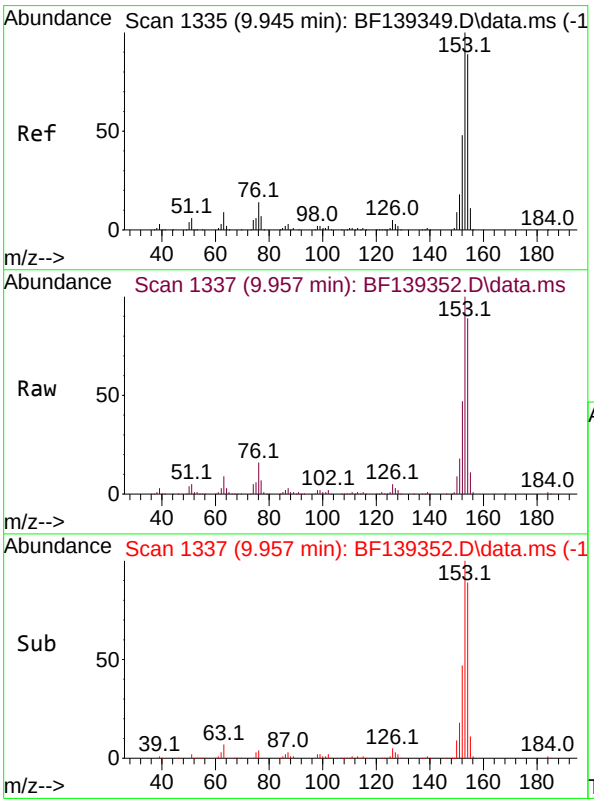
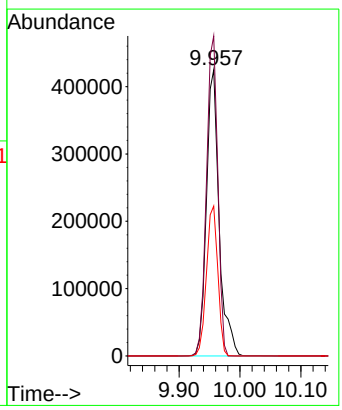


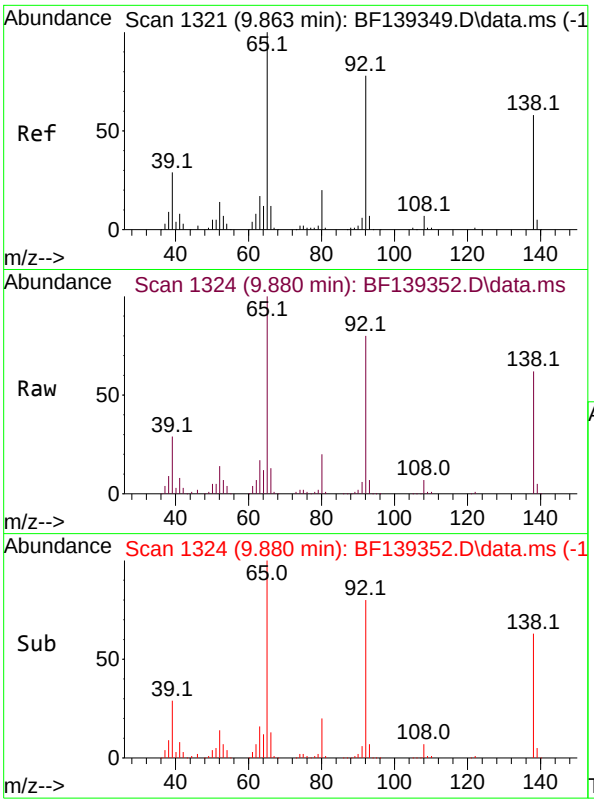




#52
Acenaphthene
Concen: 80.396 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:154 Resp: 617018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.5 | 134.3 |
| 152 | 52.4 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 73.235 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:138 Resp: 13514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 9.8 | 14.8 |
| 92 | 127.6 | 107.4 | 161.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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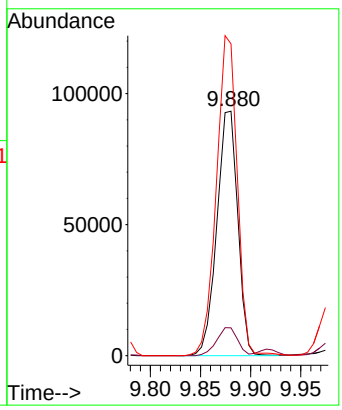
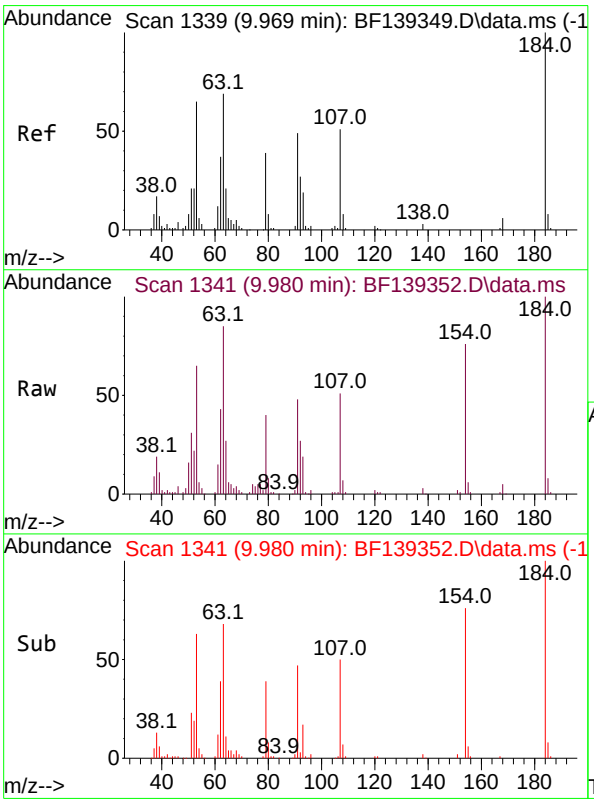
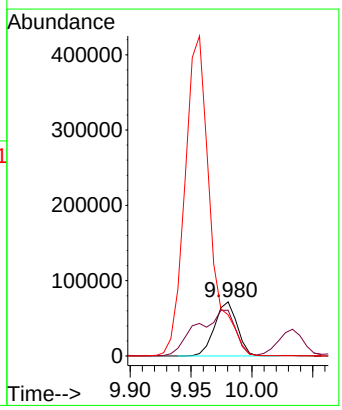


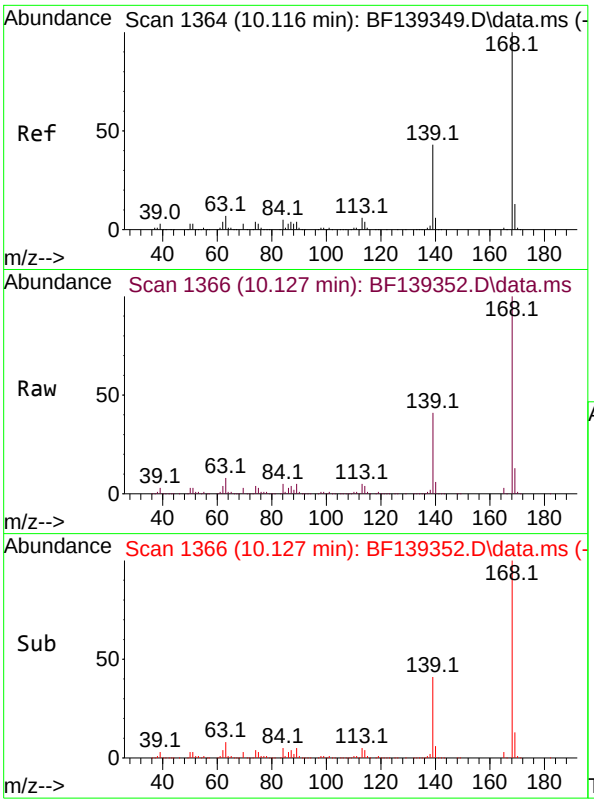




#54
2,4-Dinitrophenol
Concen: 95.931 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:184 Resp: 92861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 84.7 | 69.3 | 103.9 |
| 154 | 76.1 | 67.5 | 101.3 |

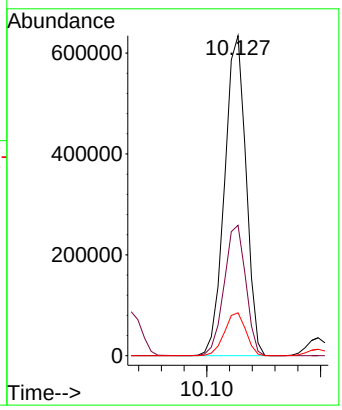





#55
Dibenzofuran
Concen: 77.658 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:168 Resp: 83071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.7 | 34.1 | 51.1 |
| 169 | 13.4 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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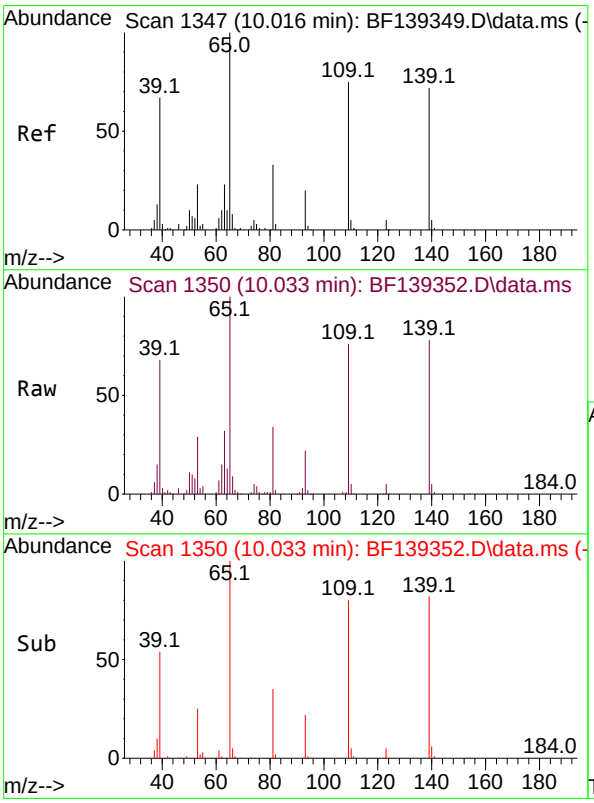
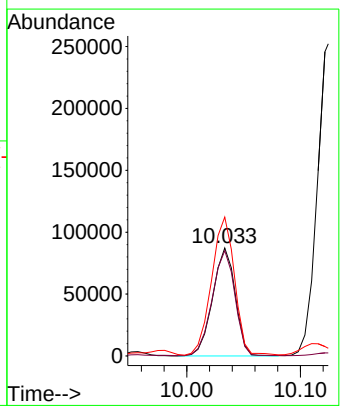
Supervised By :mohammad ahmed 09/16/2024

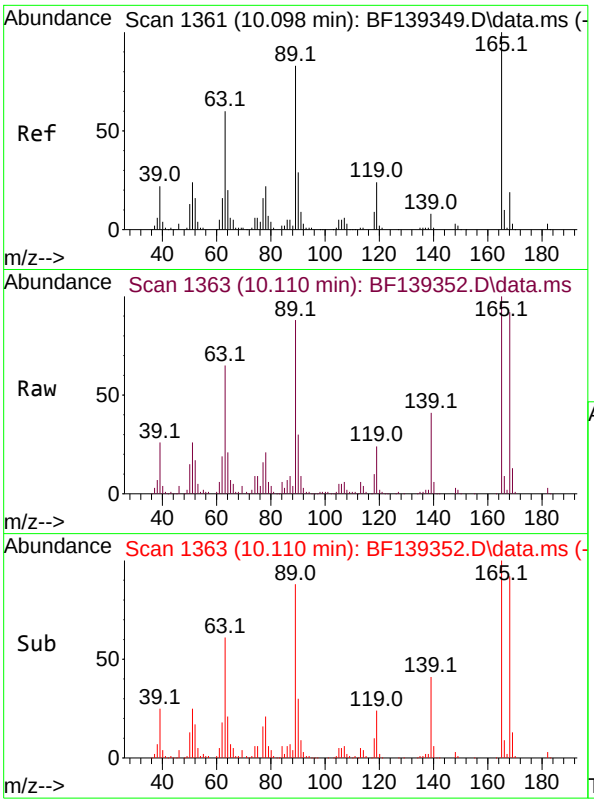



#56
4-Nitrophenol
Concen: 79.034 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:139 Resp: 120683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 97.6 | 84.1 | 124.1 |
| 65 | 128.6 | 120.0 | 160.0 |

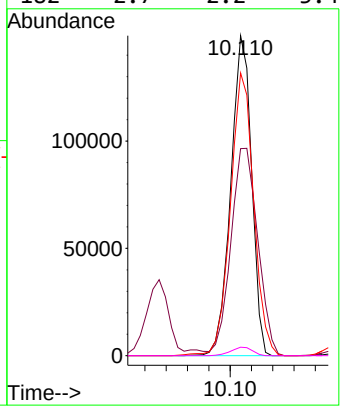





#57
2,4-Dinitrotoluene
Concen: 81.422 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:165 Resp: 20298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 64.7 | 47.8 | 71.6 |
| 89 | 88.4 | 66.7 | 100.1 |
| 182 | 2.7 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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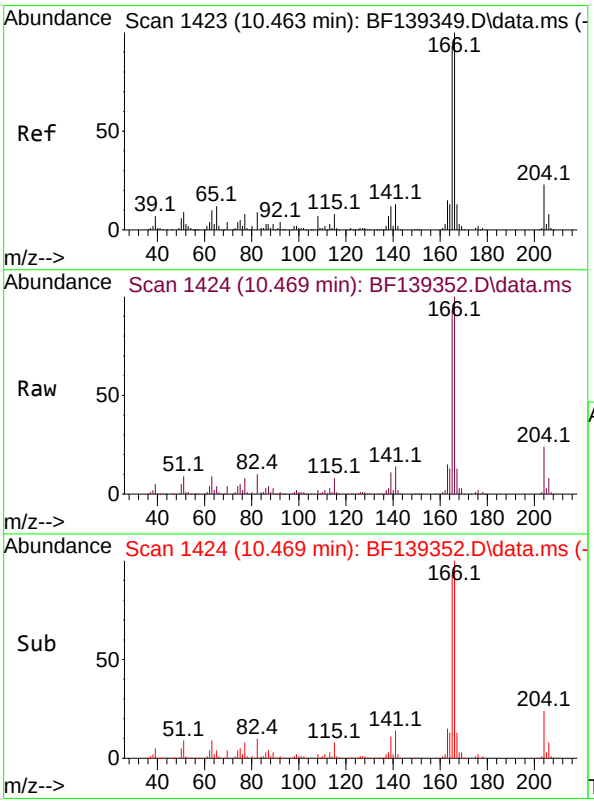
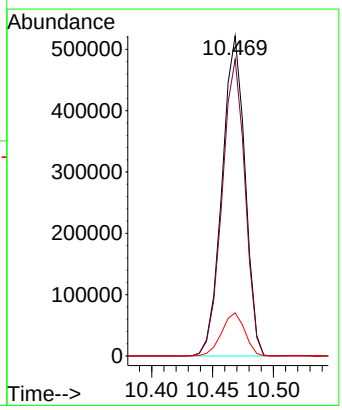
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

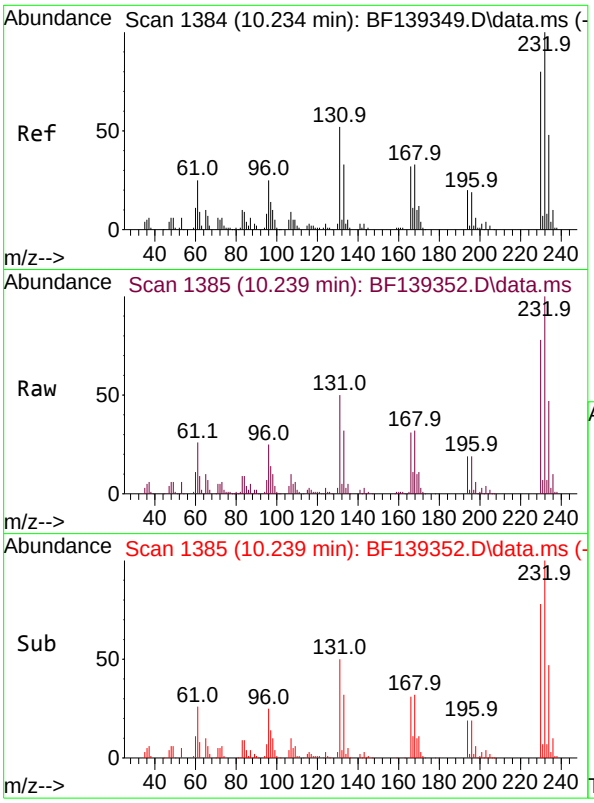



#58
Fluorene
Concen: 78.266 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:166 Resp: 683097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.7 | 74.5 | 111.7 |
| 167 | 13.5 | 10.6 | 16.0 |

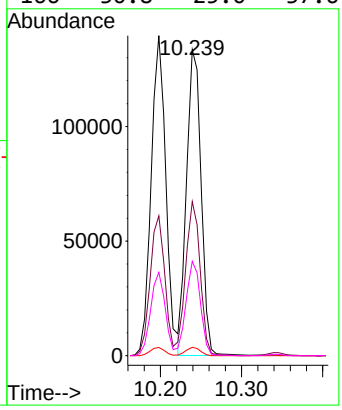





#59
2,3,4,6-Tetrachlorophenol
Concen: 78.199 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:232 Resp: 16708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.4 | 40.7 | 61.1 |
| 130 | 2.7 | 2.2 | 3.2 |
| 166 | 30.8 | 25.0 | 37.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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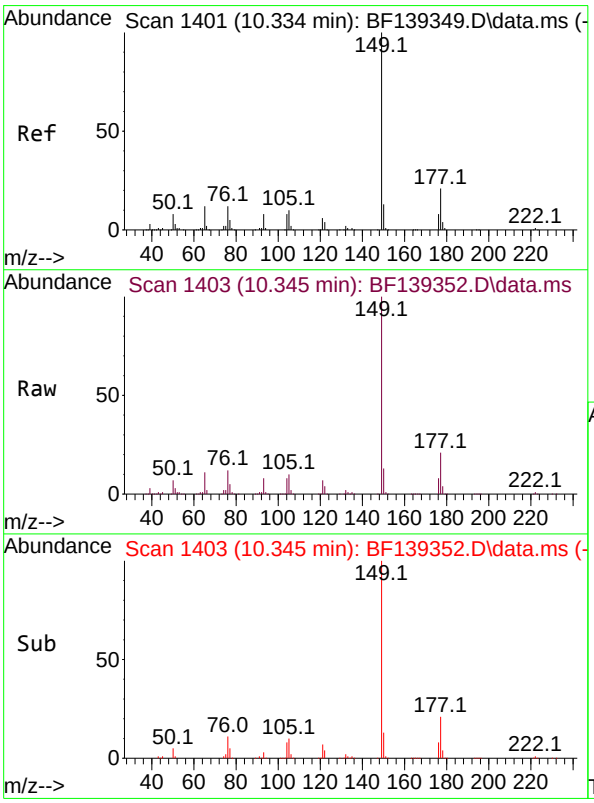
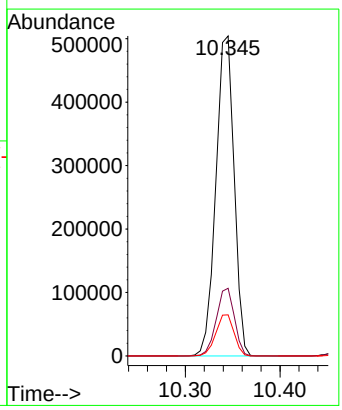
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

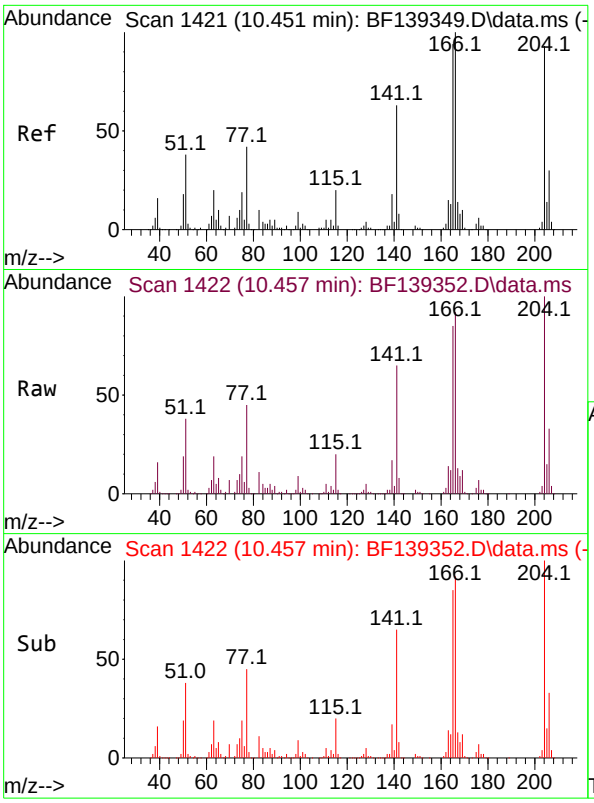



#60
Diethylphthalate
Concen: 78.664 ng
RT: 10.345 min Scan# 1403
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:149 Resp: 676646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.2 | 16.6 | 24.8 |
| 150 | 12.9 | 10.6 | 15.8 |

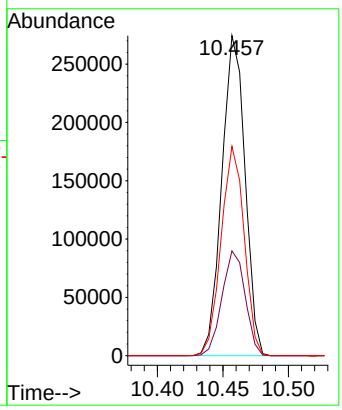





#61
4-Chlorophenyl-phenylether
Concen: 79.499 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:204 Resp: 33720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.2 | 39.2 |
| 141 | 65.4 | 53.9 | 80.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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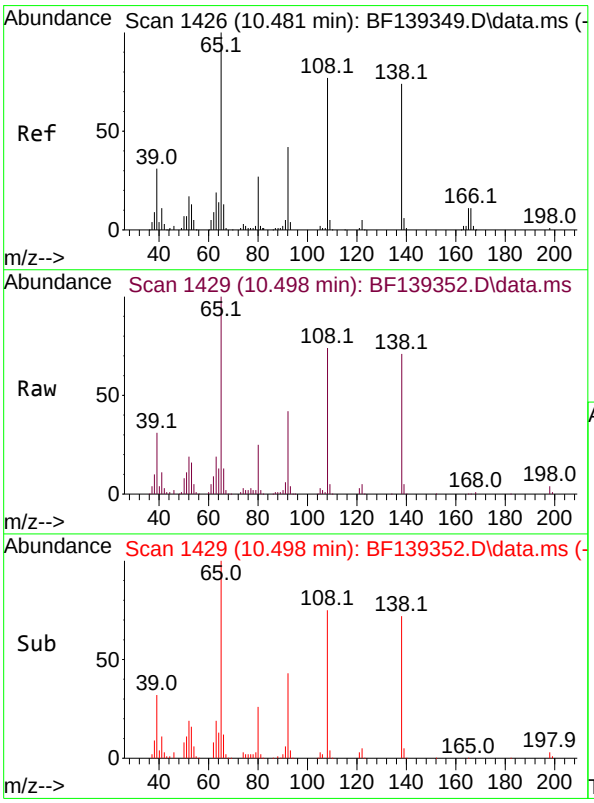
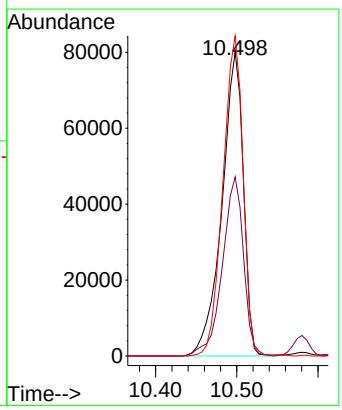
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

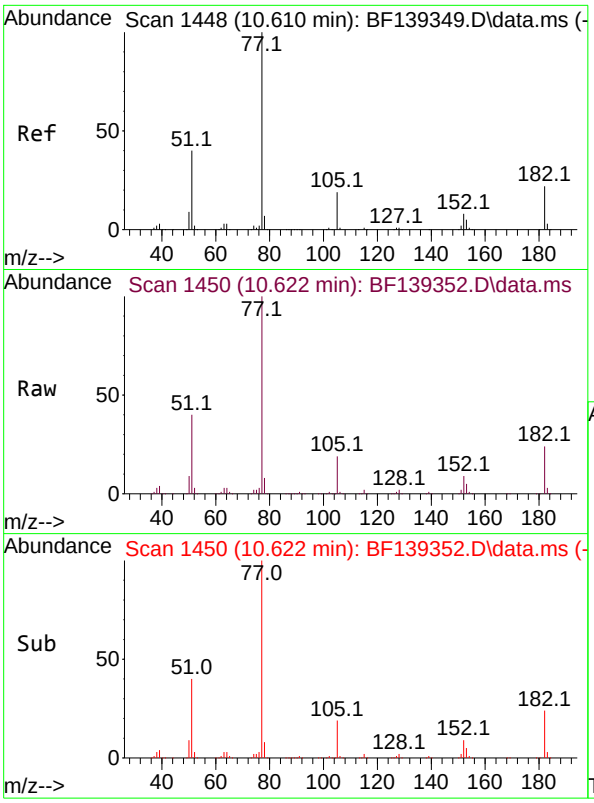



#62
4-Nitroaniline
Concen: 72.852 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:138 Resp: 146728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 58.9 | 37.0 | 77.0 |
| 108 | 105.3 | 84.4 | 124.4 |

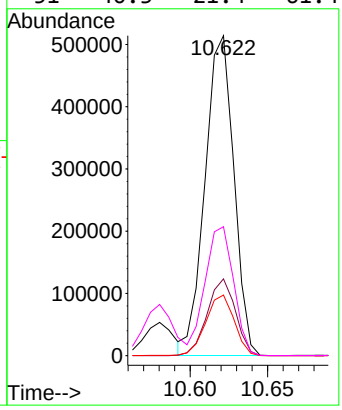





#63
Azobenzene
Concen: 78.600 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion: 77 Resp: 66498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.0 | 1.8 | 41.8 |
| 105 | 18.9 | 0.0 | 38.6 |
| 51 | 40.3 | 21.4 | 61.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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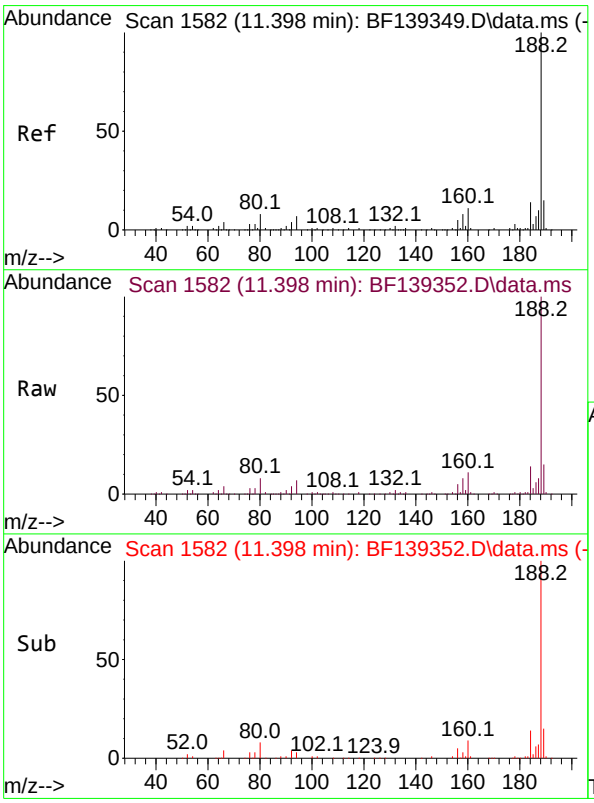
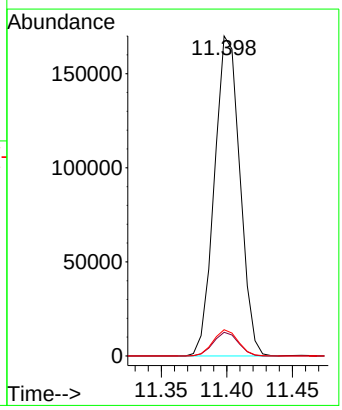
Supervised By :mohammad ahmed 09/16/2024

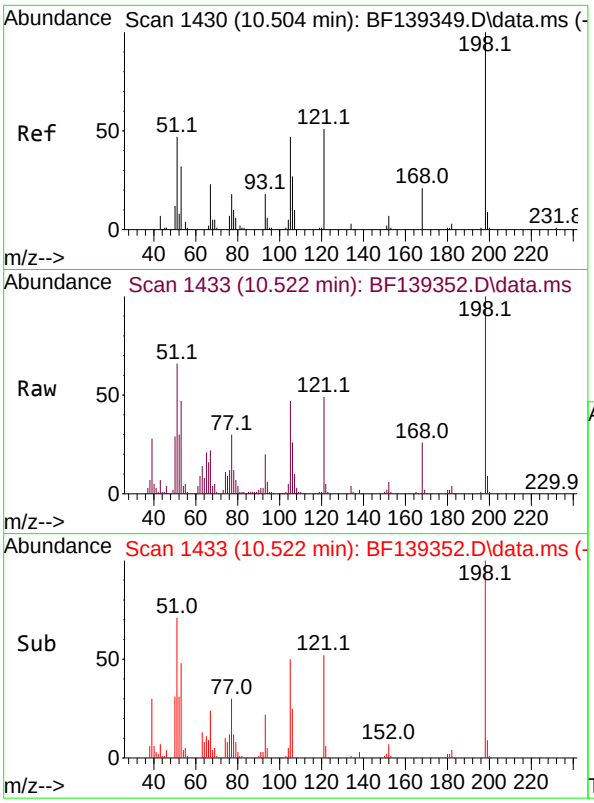



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:188 Resp: 229453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 5.5 | 8.3 |
| 80 | 8.2 | 6.6 | 9.8 |






#65
4,6-Dinitro-2-methylphenol
Concen: 90.485 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:198 Resp: 10957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 66.2 | 50.4 | 90.4 |
| 105 | 46.6 | 28.3 | 68.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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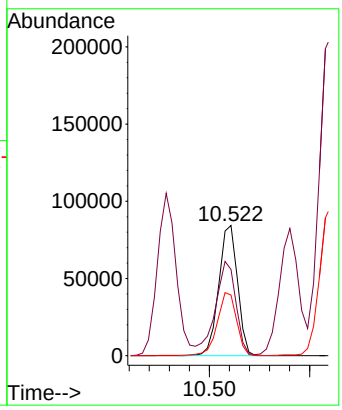
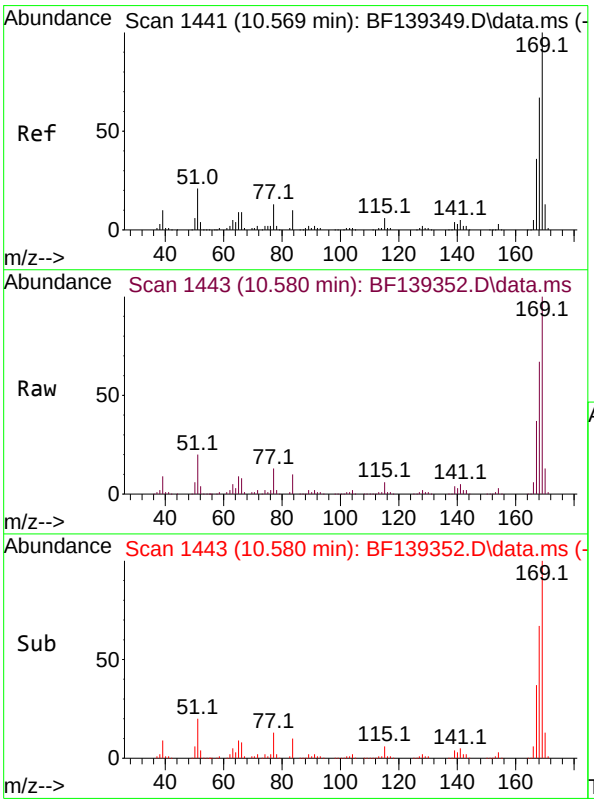
Supervised By :mohammad ahmed 09/16/2024

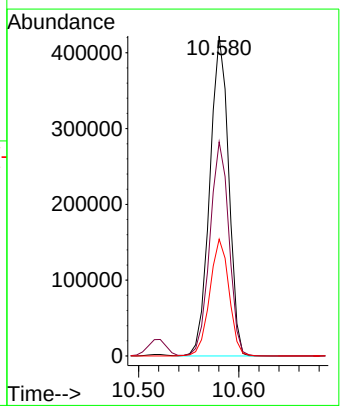


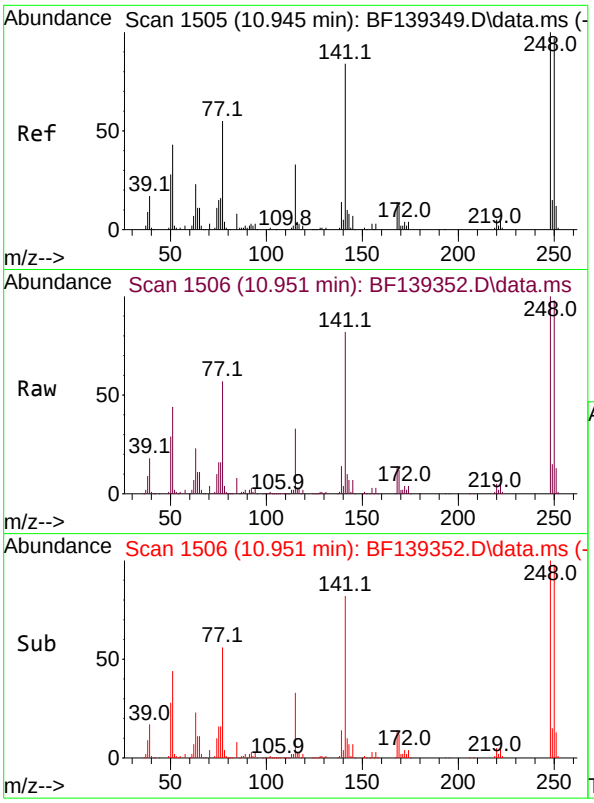




#66
n-Nitrosodiphenylamine
Concen: 82.225 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:169 Resp: 551600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.6 | 80.4 |
| 167 | 36.5 | 28.7 | 43.1 |






#67
4-Bromophenyl-phenylether
Concen: 83.184 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:248 Resp: 18914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.6 | 77.6 | 116.4 |
| 141 | 82.0 | 66.9 | 100.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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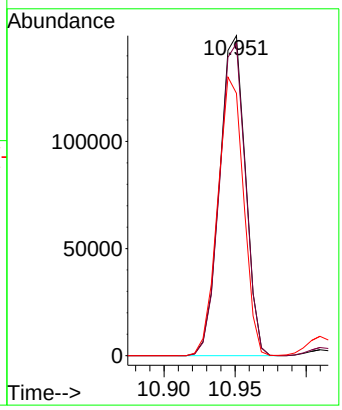
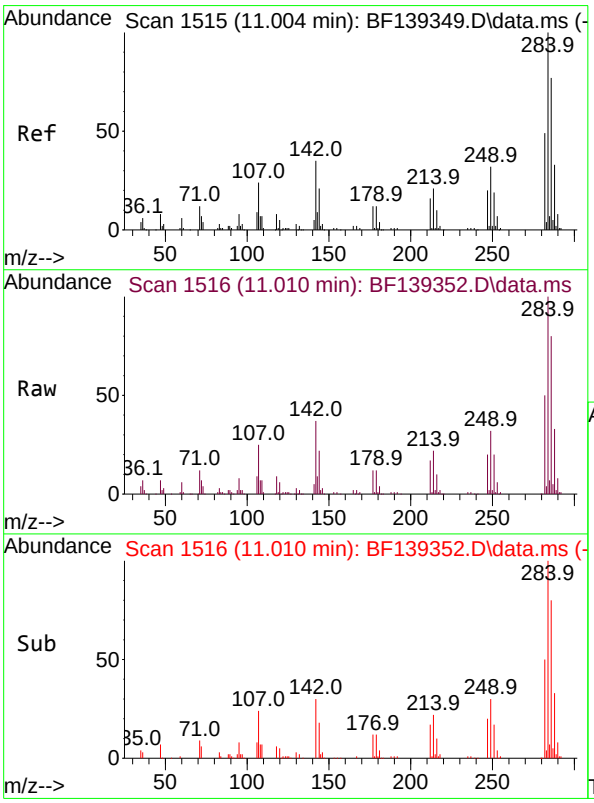
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

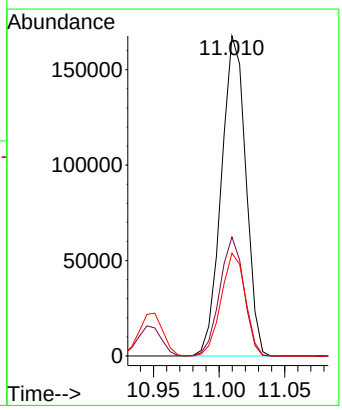


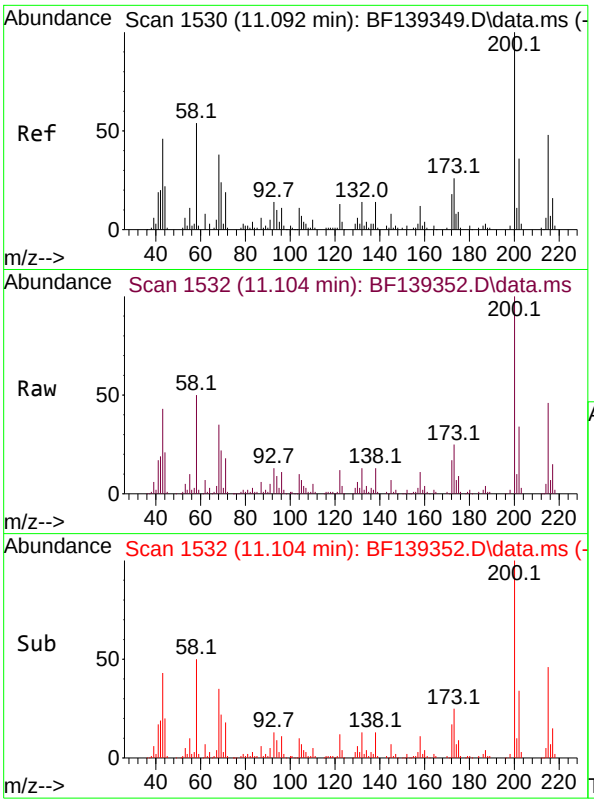




#68
Hexachlorobenzene
Concen: 81.487 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:284 Resp: 217457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.1 | 28.0 | 42.0 |
| 249 | 32.1 | 25.3 | 37.9 |






#69
Atrazine
Concen: 65.847 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:200 Resp: 10516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.4 | 6.1 | 46.1 |
| 215 | 45.9 | 28.2 | 68.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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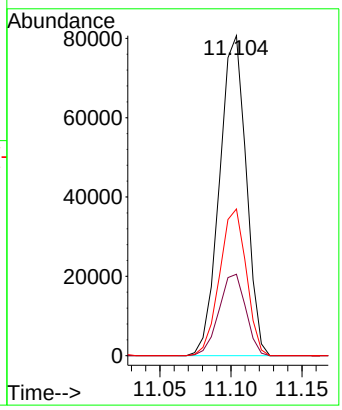
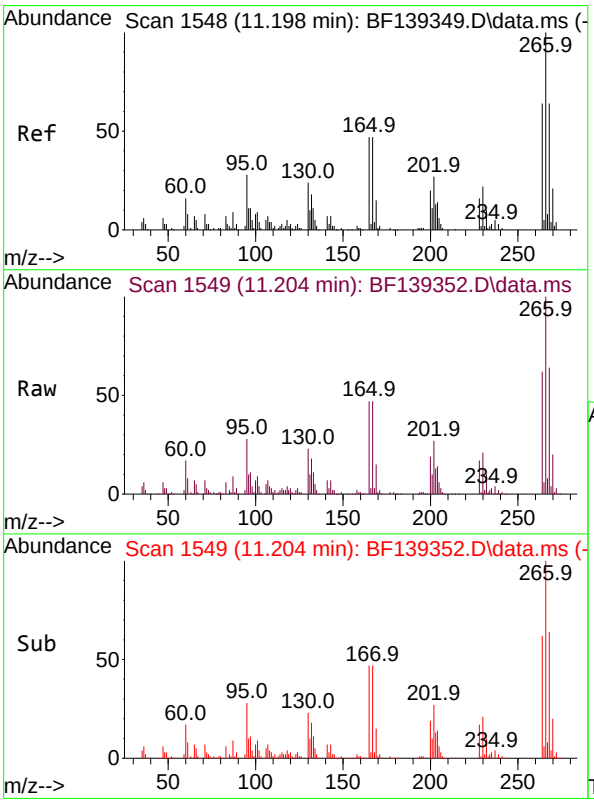
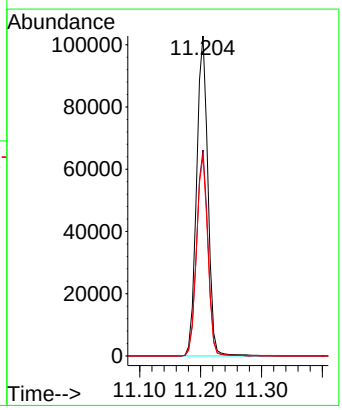


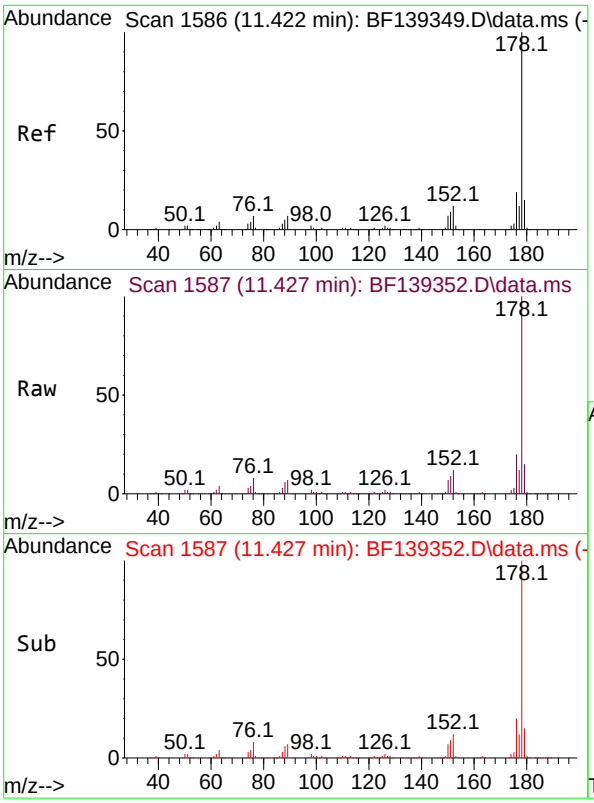




#70
Pentachlorophenol
Concen: 82.799 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:266 Resp: 132585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.3 | 51.1 | 76.7 |
| 264 | 62.4 | 51.4 | 77.0 |






#71
Phenanthrene
Concen: 78.146 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:178 Resp: 86508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.2 | 22.8 |
| 179 | 15.4 | 12.2 | 18.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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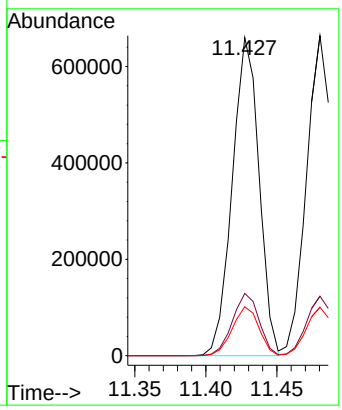
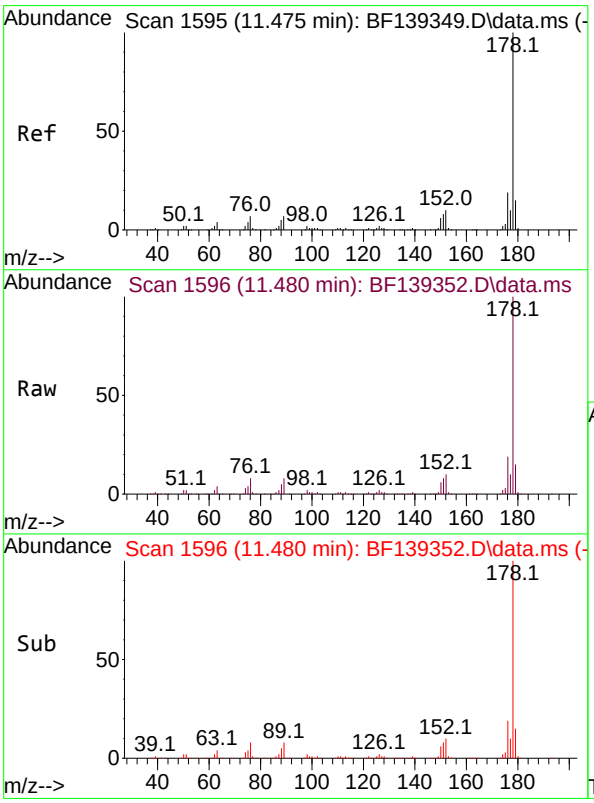
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

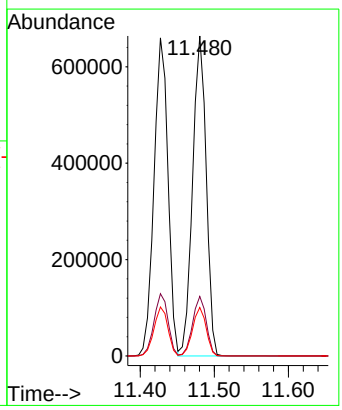


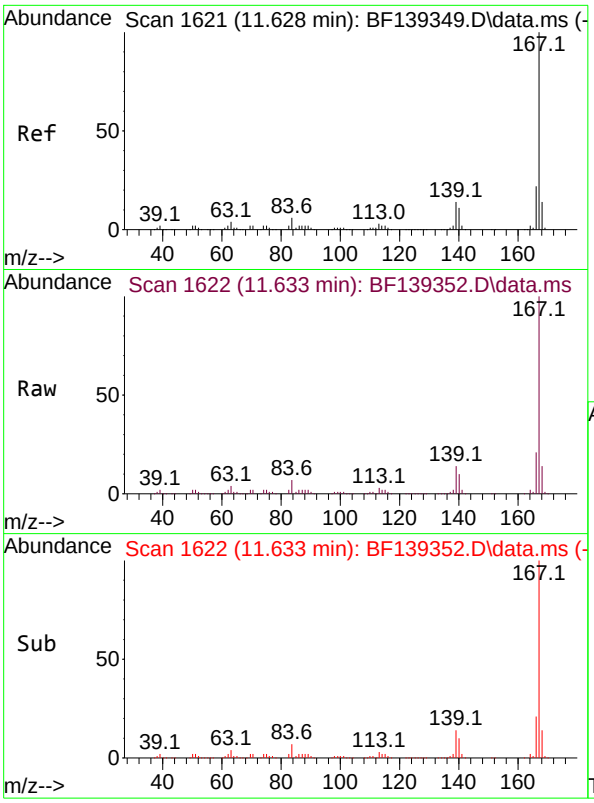




#72
Anthracene
Concen: 78.198 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:178 Resp: 846379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 15.2 | 12.0 | 18.0 |

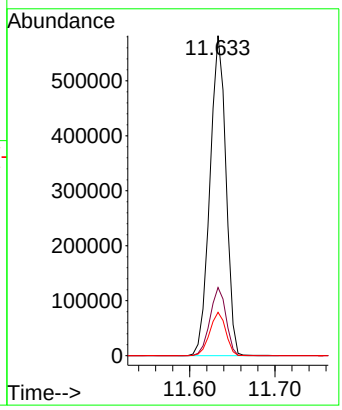





#73
Carbazole
Concen: 73.649 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:167 Resp: 76293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.5 | 26.3 |
| 139 | 13.5 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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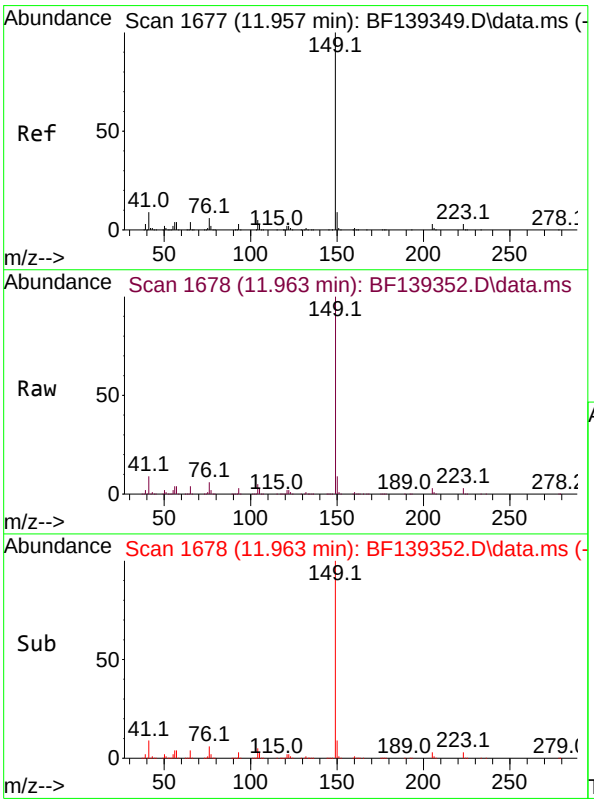
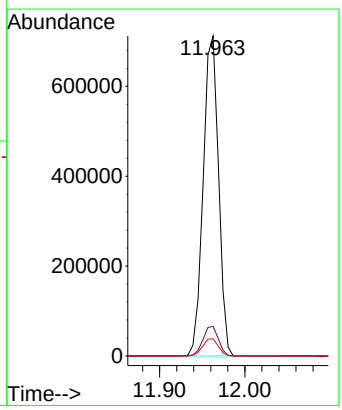
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024

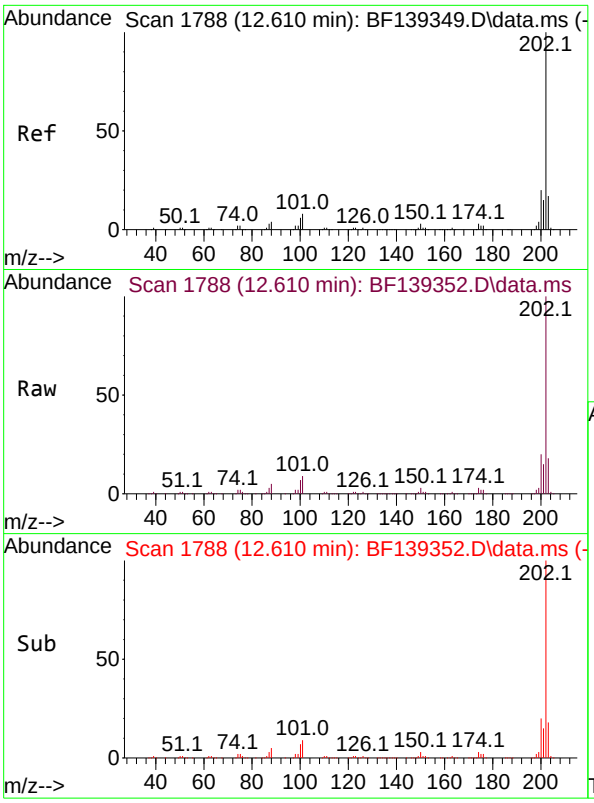



#74
Di-n-butylphthalate
Concen: 77.132 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:149 Resp: 890092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.3 | 10.9 |
| 104 | 5.4 | 4.3 | 6.5 |

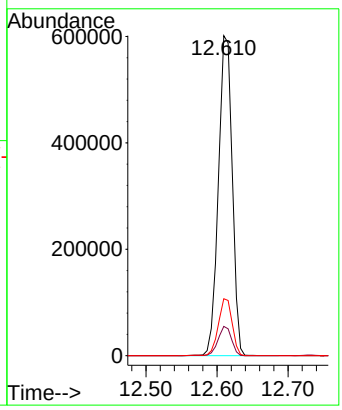





#75
Fluoranthene
Concen: 68.469 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:202 Resp: 80943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 27.7 |
| 203 | 17.8 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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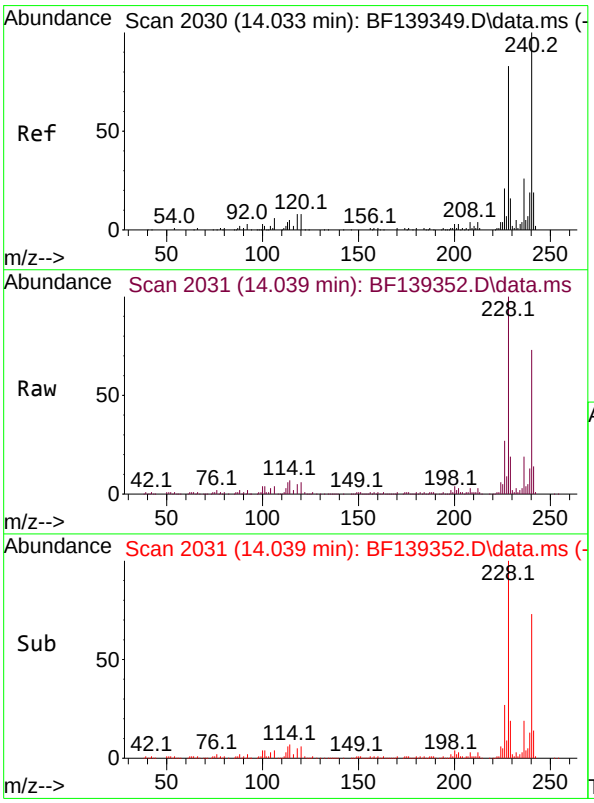
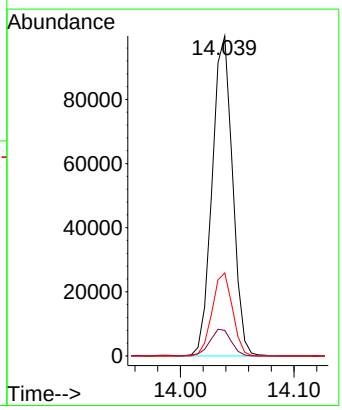
Supervised By :mohammad ahmed 09/16/2024

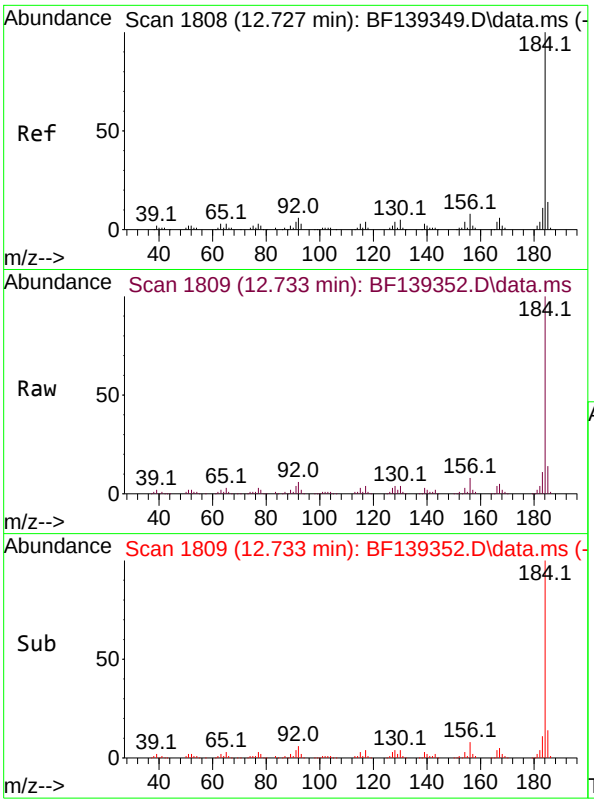



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:240 Resp: 124546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 6.2 | 9.2 |
| 236 | 26.0 | 20.9 | 31.3 |

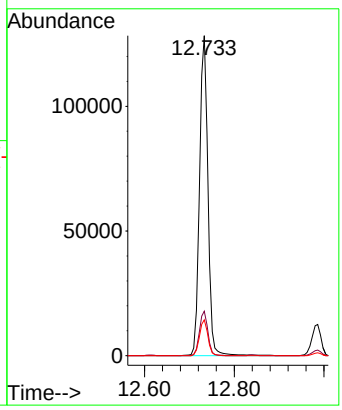





#77
Benzidine
Concen: 93.243 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:184 Resp: 16638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.5 | 17.3 |
| 183 | 11.2 | 8.9 | 13.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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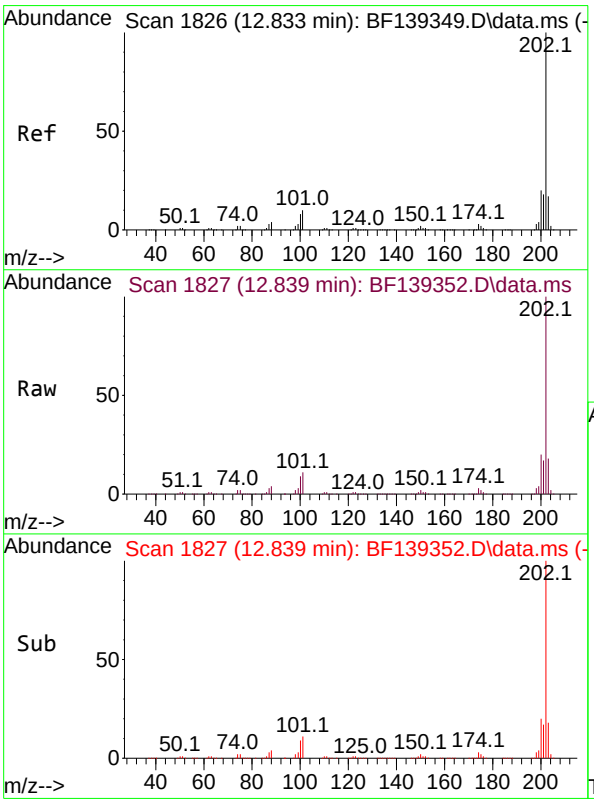
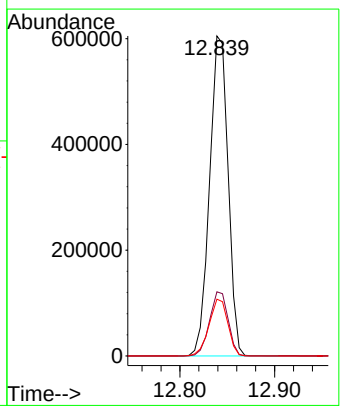
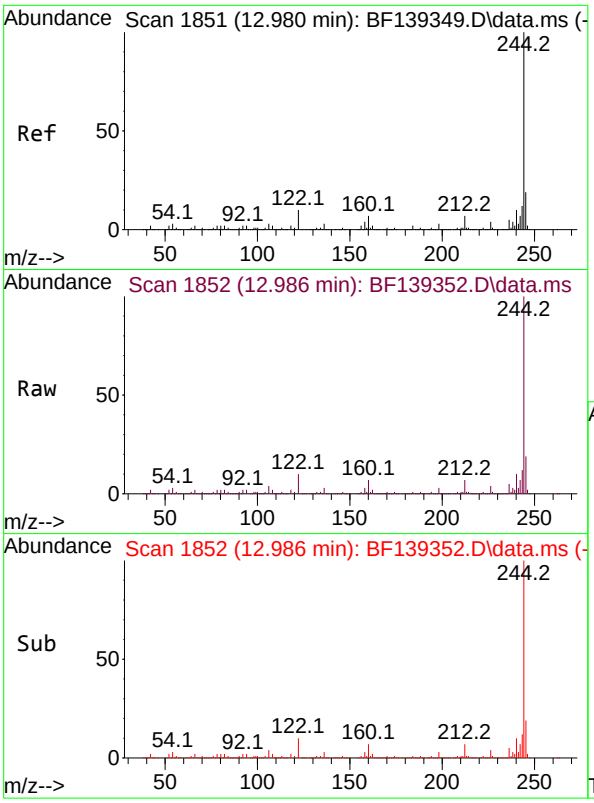



#78
Pyrene
Concen: 76.737 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:202 Resp: 820624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 16.2 | 24.2 |
| 203 | 17.8 | 13.9 | 20.9 |

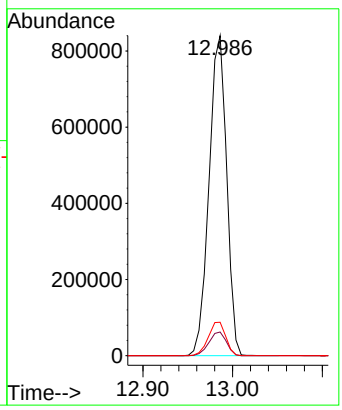





#79
Terphenyl-d14
Concen: 150.985 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:244 Resp: 114564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 10.4 | 7.6 | 11.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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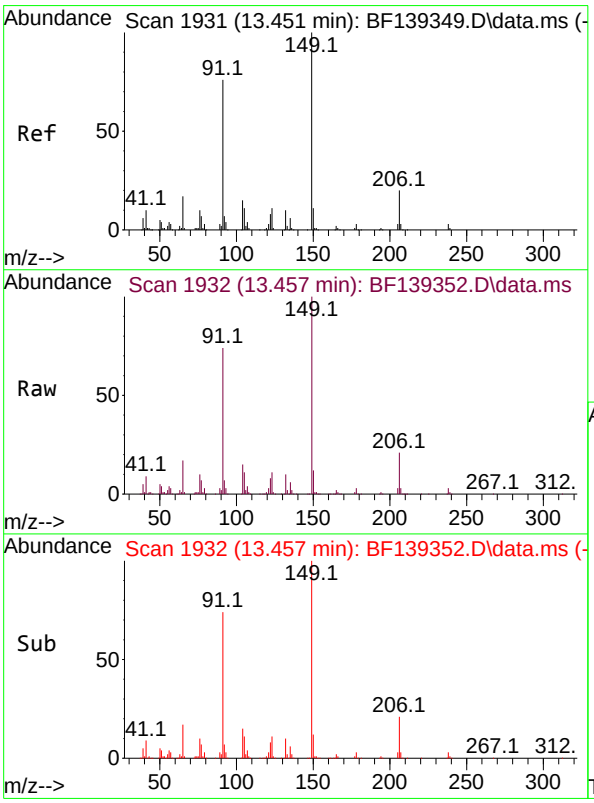
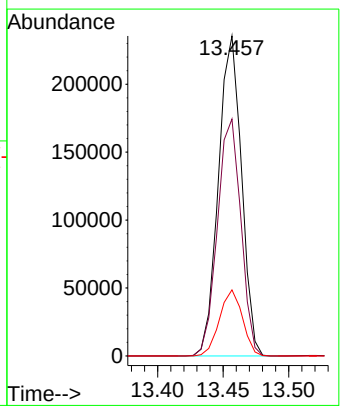
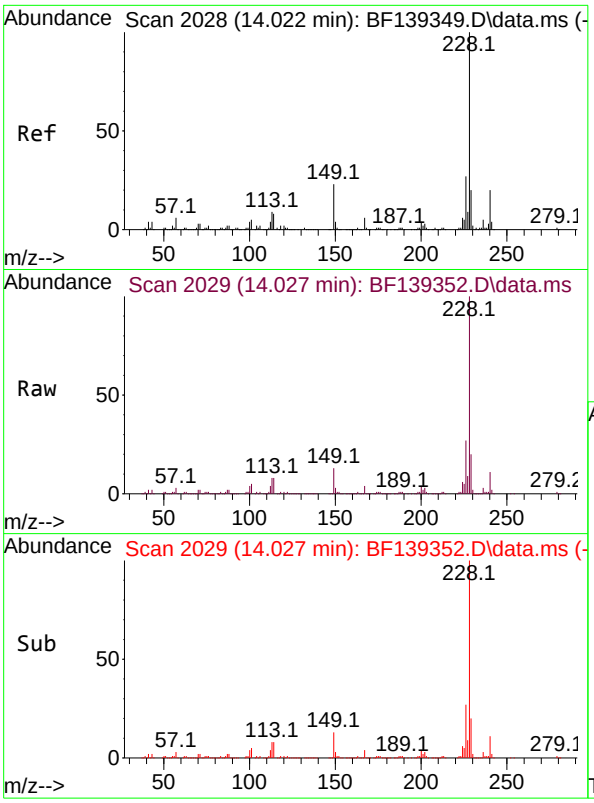



#80
Butylbenzylphthalate
Concen: 79.080 ng
RT: 13.457 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:149 Resp: 287851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.1 | 60.9 | 91.3 |
| 206 | 20.7 | 15.8 | 23.8 |

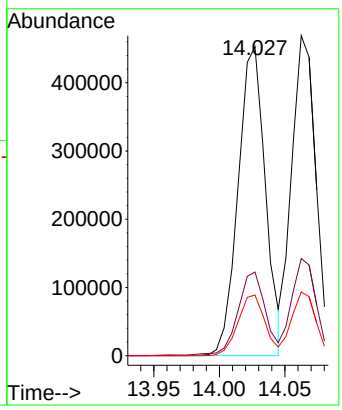





#81
Benzo(a)anthracene
Concen: 79.532 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:228 Resp: 65613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.6 | 32.4 |
| 229 | 19.6 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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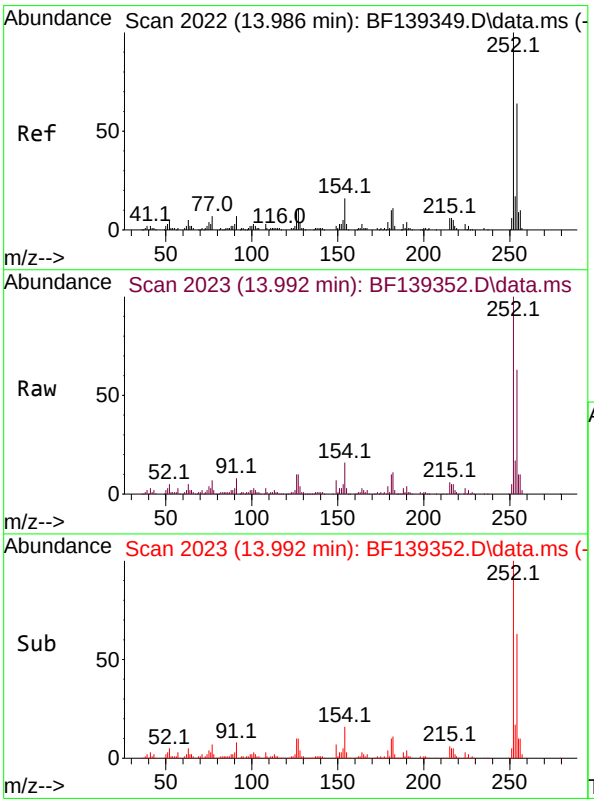
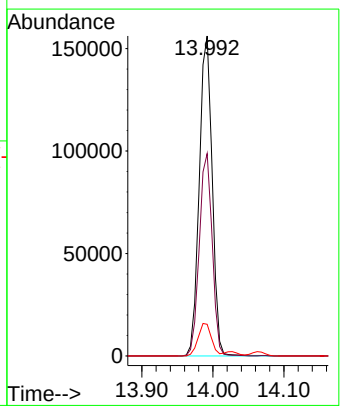
Supervised By :mohammad ahmed 09/16/2024

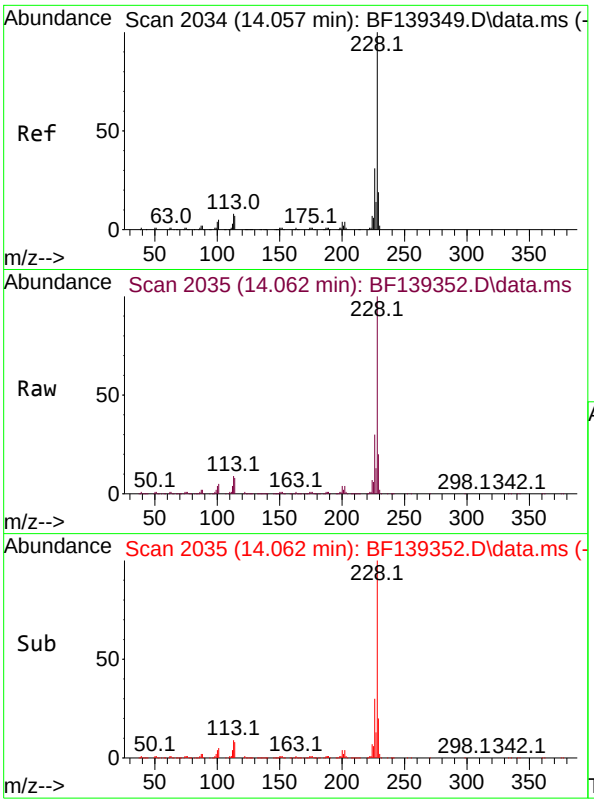



#82
3,3'-Dichlorobenzidine
Concen: 81.940 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:252 Resp: 197966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.2 | 51.4 | 77.2 |
| 126 | 9.9 | 7.7 | 11.5 |

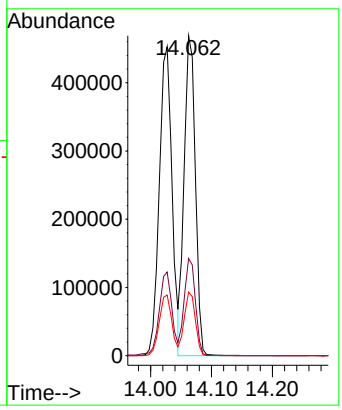





#83
Chrysene
Concen: 79.146 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:228 Resp: 60071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.1 | 36.1 |
| 229 | 19.9 | 15.4 | 23.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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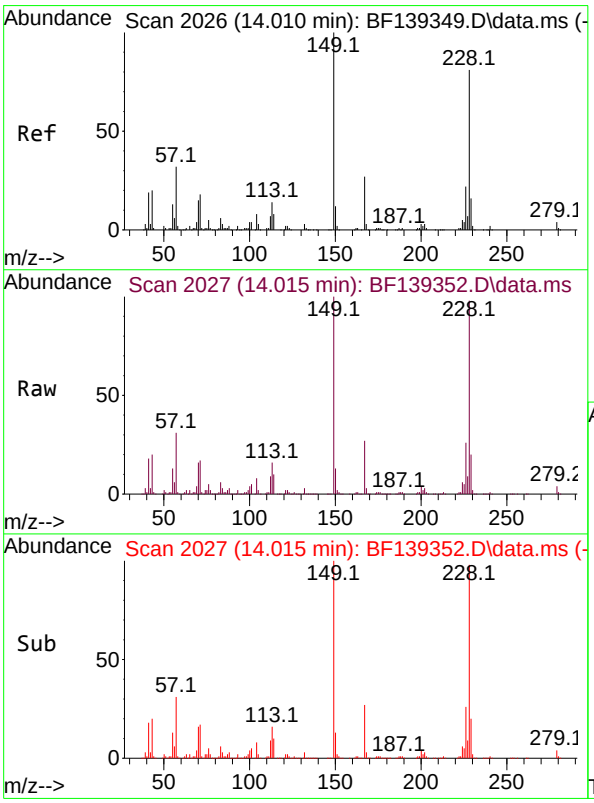
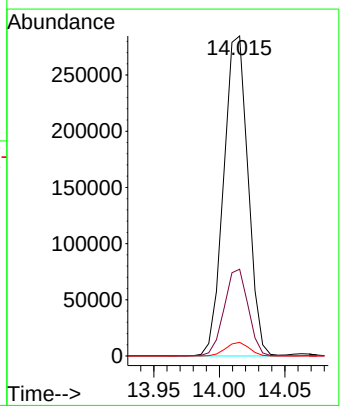
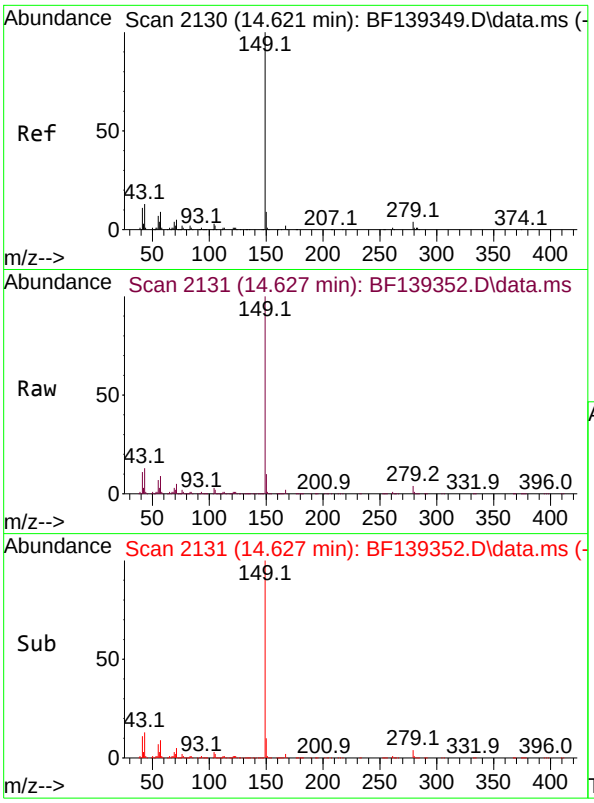



#84
Bis(2-ethylhexyl)phthalate
Concen: 79.454 ng
RT: 14.015 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:149 Resp: 367918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.6 | 32.4 |
| 279 | 4.2 | 3.3 | 4.9 |






#85
Di-n-octyl phthalate
Concen: 89.860 ng
RT: 14.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:149 Resp: 61279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 13.8 | 10.6 | 16.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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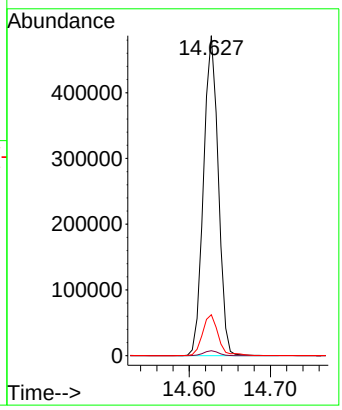
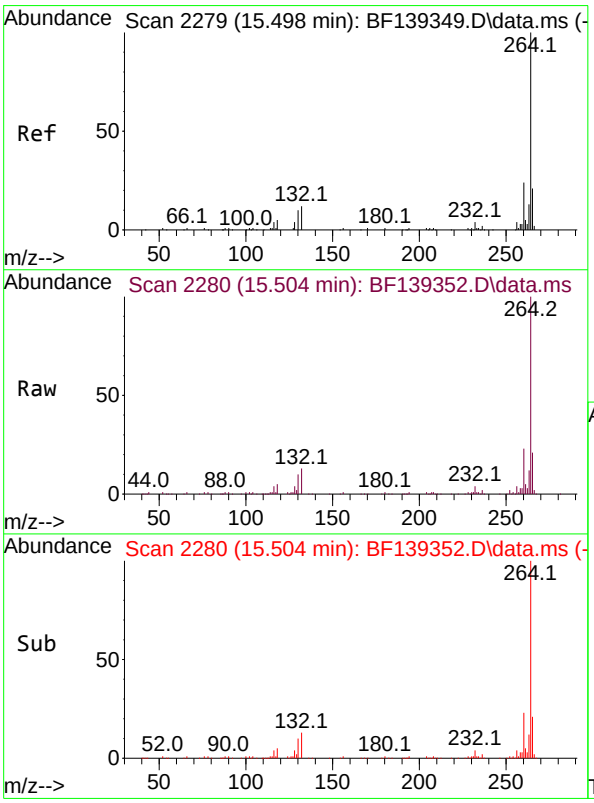
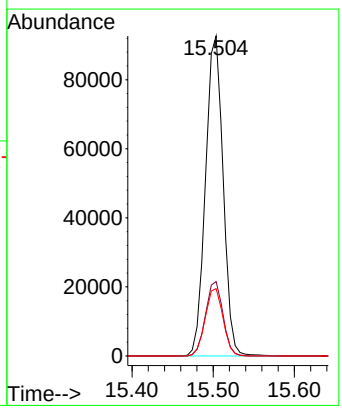


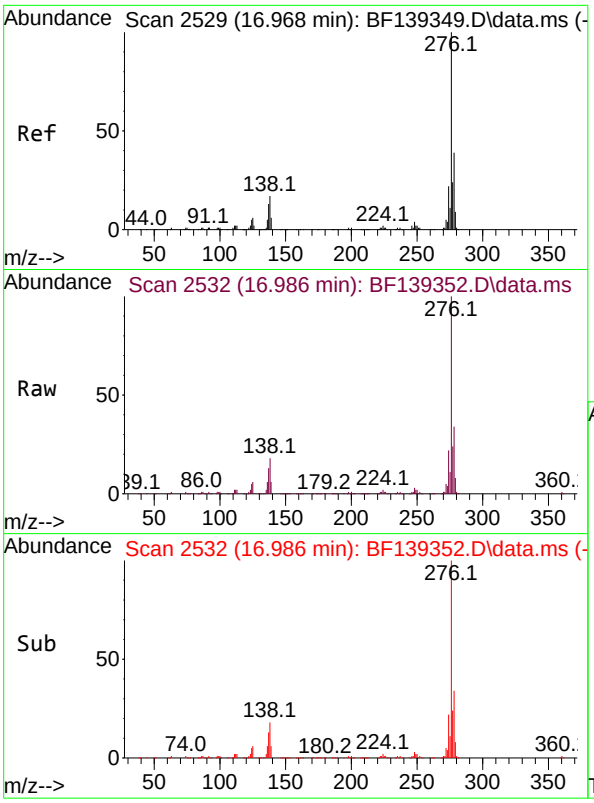




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:264 Resp: 139312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.5 | 29.3 |
| 265 | 21.0 | 16.6 | 25.0 |

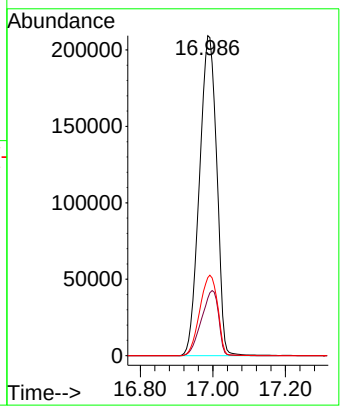





#87
Indeno(1,2,3-cd)pyrene
Concen: 83.439 ng
RT: 16.986 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:276 Resp: 69120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.2 | 15.4 | 23.2 |
| 277 | 26.0 | 20.4 | 30.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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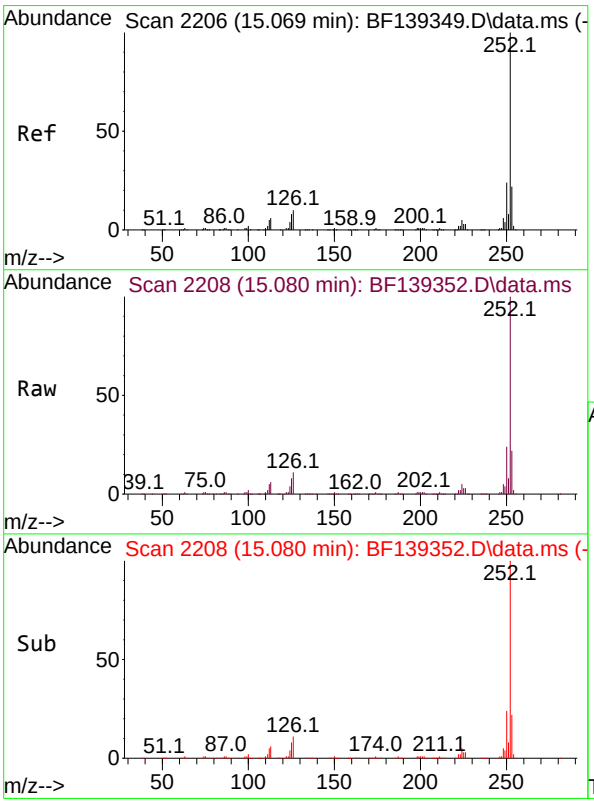
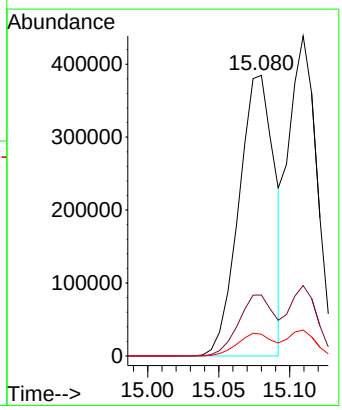
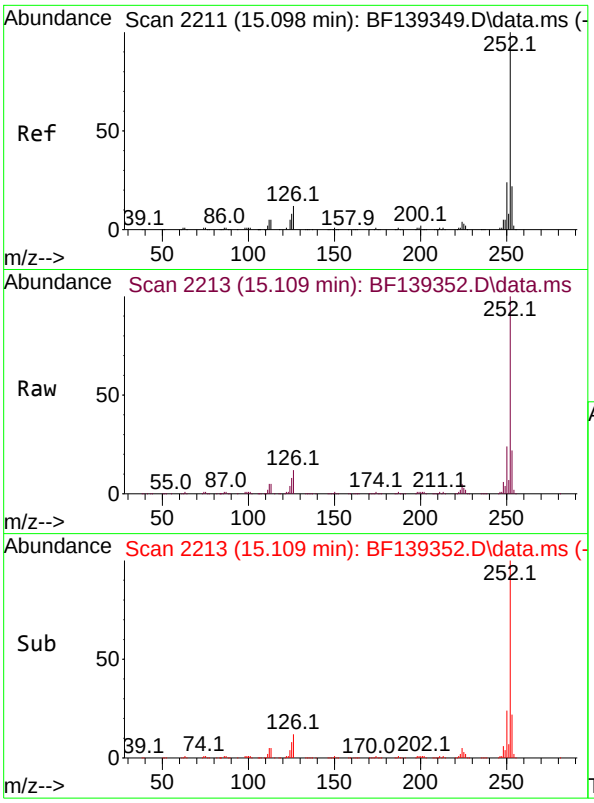



#88
Benzo(b)fluoranthene
Concen: 77.990 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:252 Resp: 670084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |

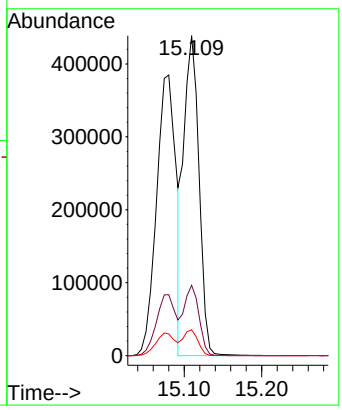





#89
Benzo(k)fluoranthene
Concen: 75.894 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:252 Resp: 60123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.3 | 25.9 |
| 125 | 8.1 | 5.9 | 8.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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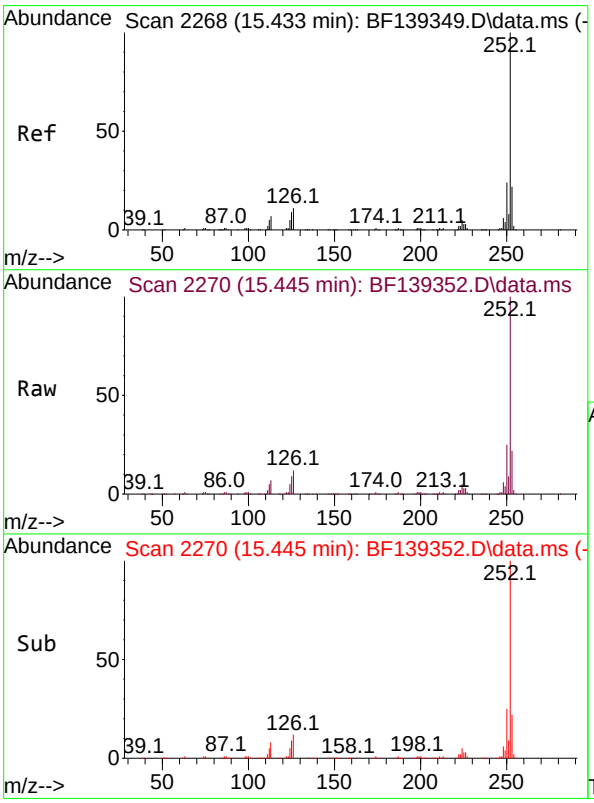
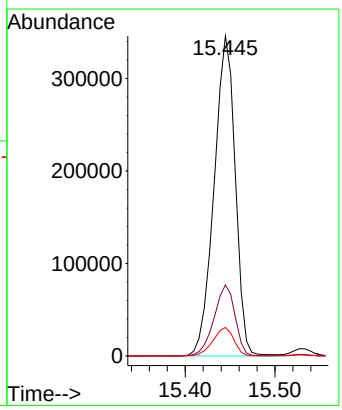
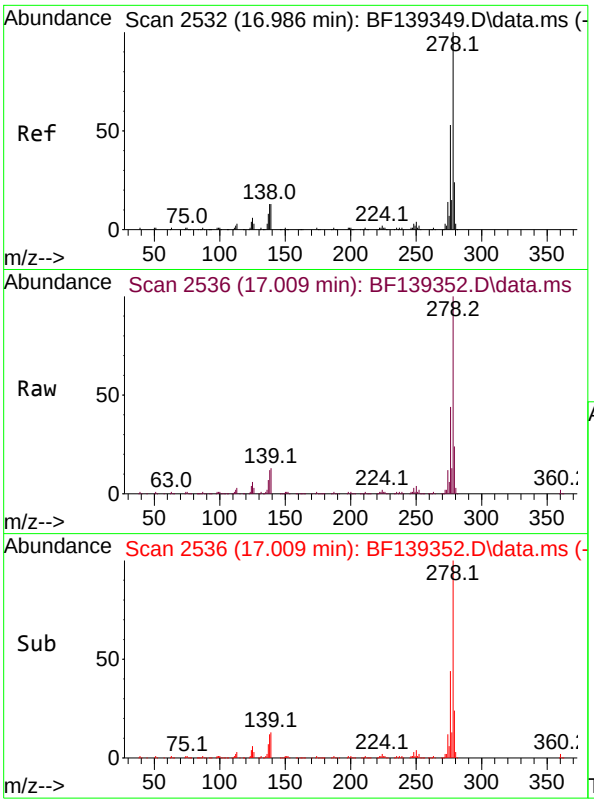



#90
Benzo(a)pyrene
Concen: 79.594 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.012 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:252 Resp: 567157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.3 | 25.9 |
| 125 | 8.9 | 6.8 | 10.2 |

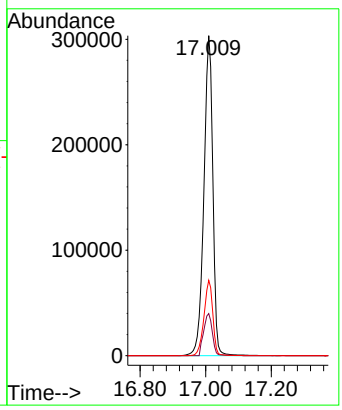





#91
Dibenzo(a,h)anthracene
Concen: 84.470 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:278 Resp: 57821

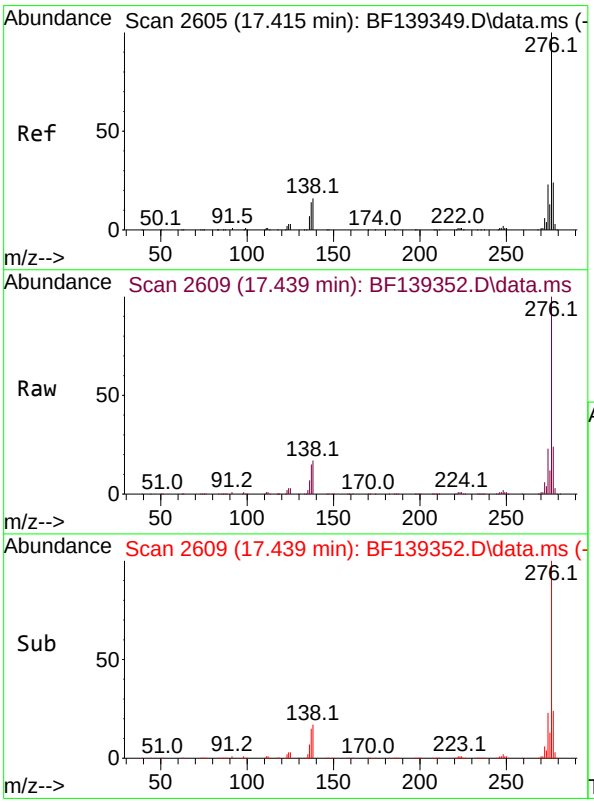
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.2 | 10.2 | 15.2 |
| 279 | 23.5 | 18.9 | 28.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

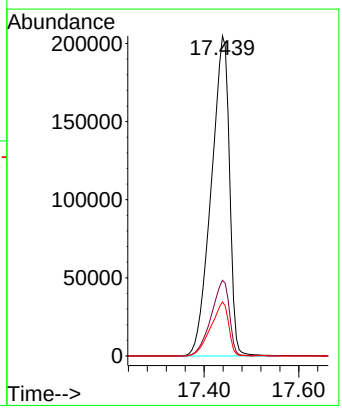
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/16/2024




#92
Benzo(g,h,i)perylene
Concen: 80.751 ng
RT: 17.439 min Scan# 2609
Delta R.T. 0.023 min
Lab File: BF139352.D
Acq: 13 Sep 2024 19:44

Tgt Ion:276 Resp: 547299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.9 | 28.3 |
| 138 | 16.9 | 13.0 | 19.6 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 62446 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 224439 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 123398 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 232644 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 126339 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 129089 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 308029 | 80.470 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 407735 | 81.152 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 402094 | 84.223 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 109581 | 83.413 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 722819 | 82.154 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 677284 | 87.992 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.657 | 88 | 60123 | 39.149 | ng | | 99 |
| 3) Pyridine | 3.404 | 79 | 145860 | 43.077 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 119146 | 40.597 | ng | | 99 |
| 6) Aniline | 6.545 | 93 | 169079 | 44.592 | ng | | 98 |
| 8) 2-Chlorophenol | 6.663 | 128 | 162520 | 41.245 | ng | | 98 |
| 9) Benzaldehyde | 6.428 | 77 | 123057 | 42.392 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 212792 | 41.583 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 146864 | 37.760 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 180304 | 40.235 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 182375 | 40.273 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 175523 | 41.020 | ng | | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 165457 | 41.276 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 247051 | 41.216 | ng | | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 126426 | 40.384 | ng | | 100 |
| 18) Hexachloroethane | 7.392 | 117 | 71112 | 41.228 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 123157 | 41.364 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 174364 | 40.824 | ng | # | 89 |
| 22) Acetophenone | 7.292 | 105 | 241549 | 41.167 | ng | | 96 |
| 24) Nitrobenzene | 7.463 | 77 | 204895 | 41.700 | ng | | 98 |
| 25) Isophorone | 7.698 | 82 | 312264 | 41.358 | ng | | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 83362 | 43.547 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 105918 | 41.945 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 180121 | 41.858 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 135162 | 42.134 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 154576 | 41.355 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 485689 | 41.452 | ng | | 100 |
| 32) Benzoic acid | 7.934 | 122 | 104770 | 44.336 | ng | | 97 |
| 33) 4-Chloroaniline | 8.233 | 127 | 156112 | 43.552 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 105249 | 41.447 | ng | | 99 |
| 35) Caprolactam | 8.604 | 113 | 40829 | 41.375 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 152639 | 41.634 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 302423 | 40.664 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 300045 | 41.093 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 152023 | 41.569 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 52287 | 40.948 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 99943 | 42.005 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 106352 | 42.375 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 389495 | 41.028 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 293969 | 41.415 | ng | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 112704 | 42.689 | ng | 97 |
| 49) Acenaphthylene | 9.775 | 152 | 438775 | 41.065 | ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 331392 | 40.917 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 77298 | 43.082 | ng | 99 |
| 52) Acenaphthene | 9.951 | 154 | 310457 | 41.632 | ng | 99 |
| 53) 3-Nitroaniline | 9.869 | 138 | 78213 | 43.619 | ng | 95 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 41262 | 41.271 | ng | 90 |
| 55) Dibenzofuran | 10.122 | 168 | 428132 | 41.190 | ng | 98 |
| 56) 4-Nitrophenol | 10.022 | 139 | 61840 | 41.679 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 105229 | 43.441 | ng | 99 |
| 58) Fluorene | 10.463 | 166 | 352269 | 41.538 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 85035 | 40.958 | ng | 98 |
| 60) Diethylphthalate | 10.333 | 149 | 346481 | 41.455 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 169915 | 41.227 | ng | 96 |
| 62) 4-Nitroaniline | 10.480 | 138 | 80817 | 41.297 | ng | 98 |
| 63) Azobenzene | 10.616 | 77 | 341882 | 41.589 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 53225 | 43.348 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 285103 | 41.916 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 96974 | 42.063 | ng | 100 |
| 68) Hexachlorobenzene | 11.004 | 284 | 112658 | 41.637 | ng | 96 |
| 69) Atrazine | 11.092 | 200 | 56838 | 35.101 | ng | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 69995 | 43.112 | ng | 97 |
| 71) Phenanthrene | 11.422 | 178 | 466219 | 41.537 | ng | 100 |
| 72) Anthracene | 11.474 | 178 | 454834 | 41.446 | ng | 99 |
| 73) Carbazole | 11.627 | 167 | 432323 | 41.161 | ng | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 506151 | 43.260 | ng | 100 |
| 75) Fluoranthene | 12.610 | 202 | 478394 | 39.911 | ng | 99 |
| 77) Benzidine | 12.727 | 184 | 99376 | 54.902 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 471161 | 43.433 | ng | 100 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 159953 | 43.319 | ng | 97 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 342764 | 40.958 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 100295 | 40.924 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 320335 | 41.606 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 201075 | 42.807 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 295691 | 42.744 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.974 | 276 | 327960 | 42.725 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 331607 | 41.652 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 281522 | 38.351 | ng | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 275944 | 41.792 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.992 | 278 | 271229 | 42.761 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.421 | 276 | 259119 | 41.259 | ng | 99 |

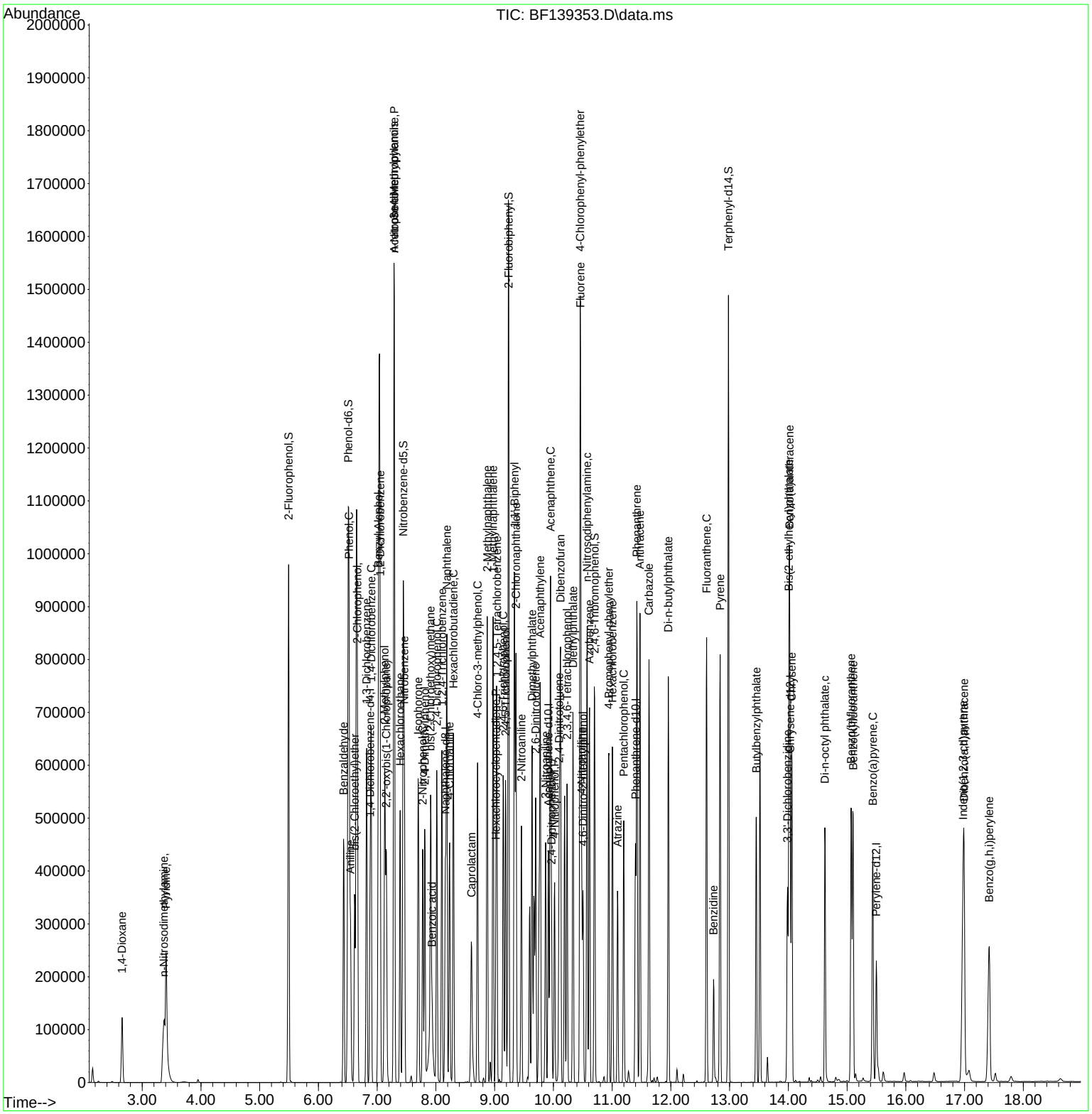
(#) = qualifier out of range (m) = manual integration (+) = signals summed

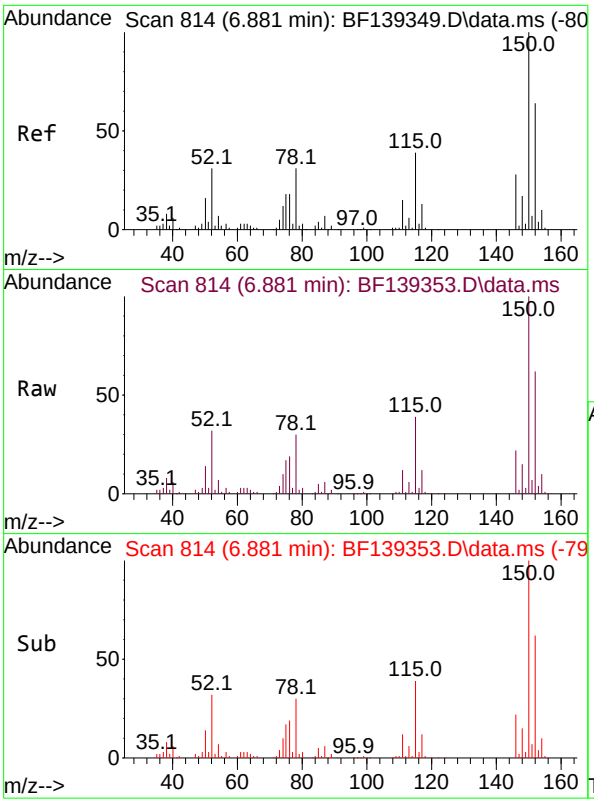
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



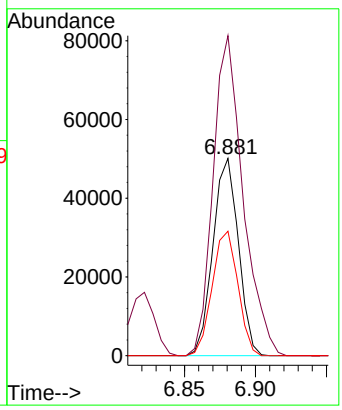


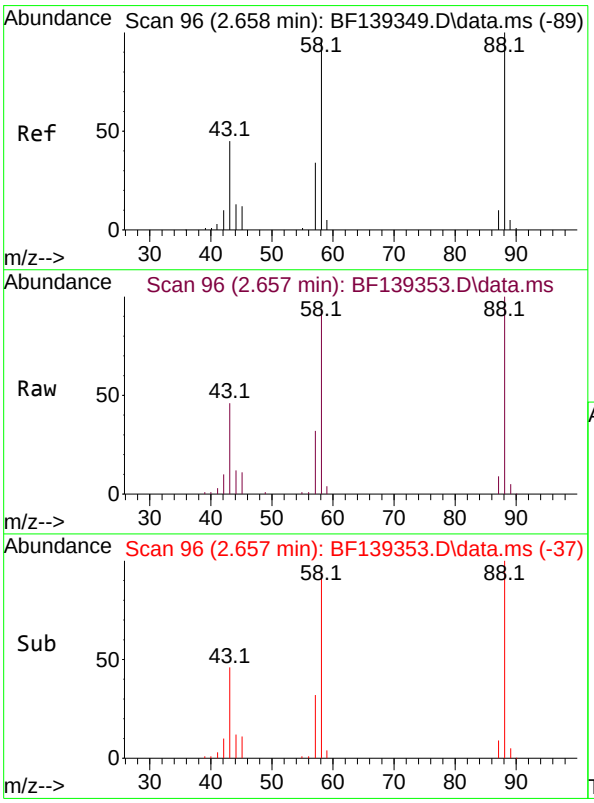

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:152 Resp: 62446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.2 | 124.1 | 186.1 |
| 115 | 63.1 | 48.1 | 72.1 |

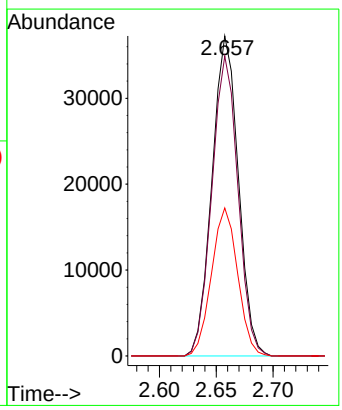


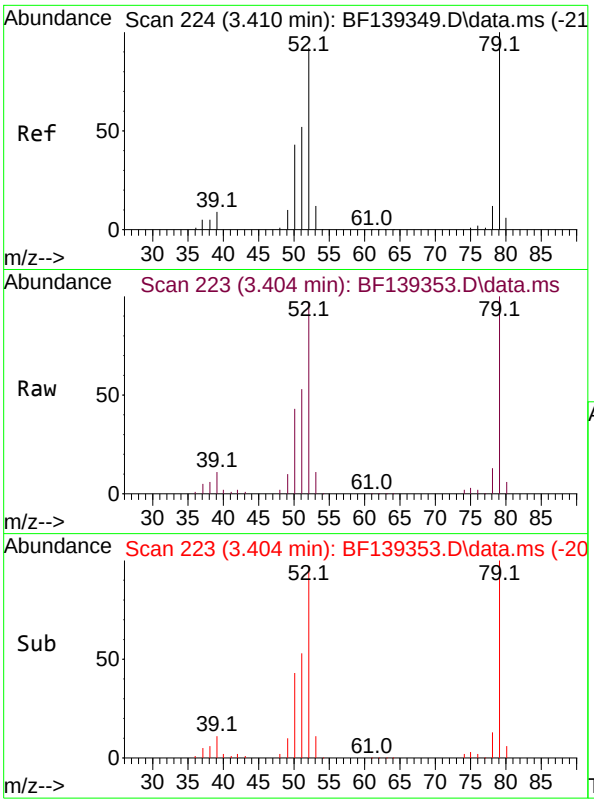




#2
1,4-Dioxane
Concen: 39.149 ng
RT: 2.657 min Scan# 96
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 88 Resp: 60123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 92.7 | 74.8 | 112.2 |
| 43 | 45.9 | 36.4 | 54.6 |



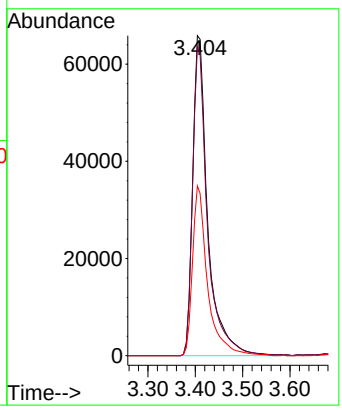


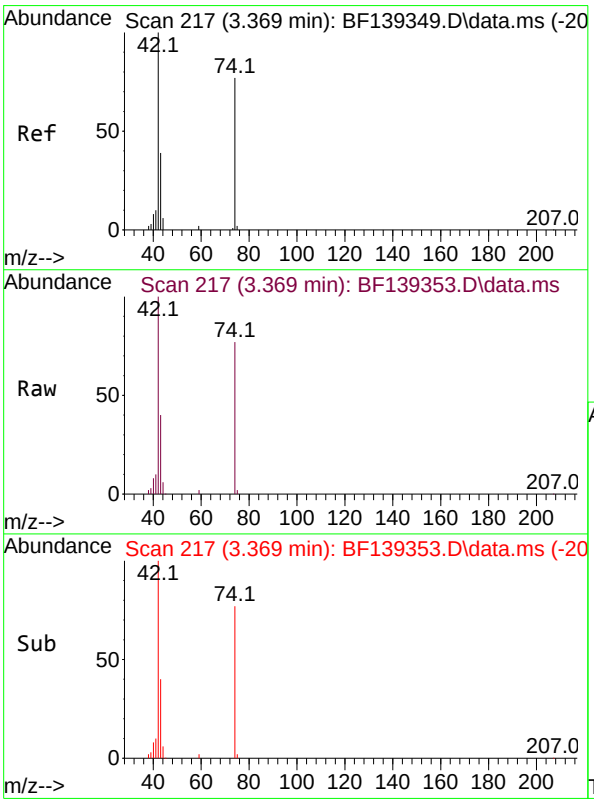

#3
Pyridine
Concen: 43.077 ng
RT: 3.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 79 Resp: 145860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 96.6 | 73.8 | 110.8 |
| 51 | 53.1 | 41.8 | 62.6 |

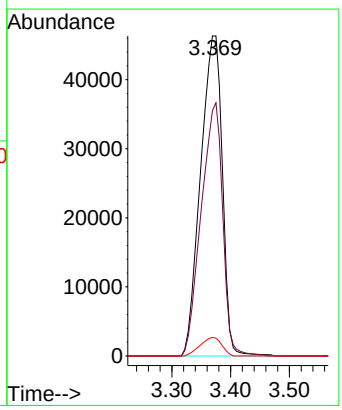


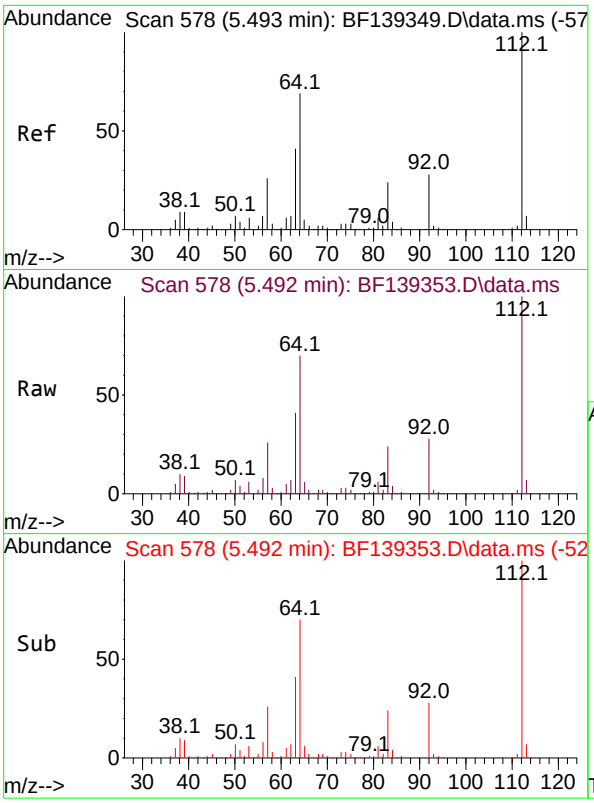




#4
n-Nitrosodimethylamine
Concen: 40.597 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 42 Resp: 119146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 76.7 | 61.8 | 92.8 |
| 44 | 5.8 | 4.8 | 7.2 |



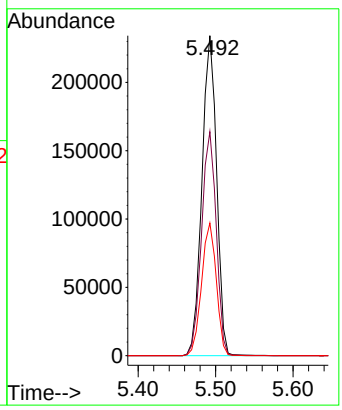


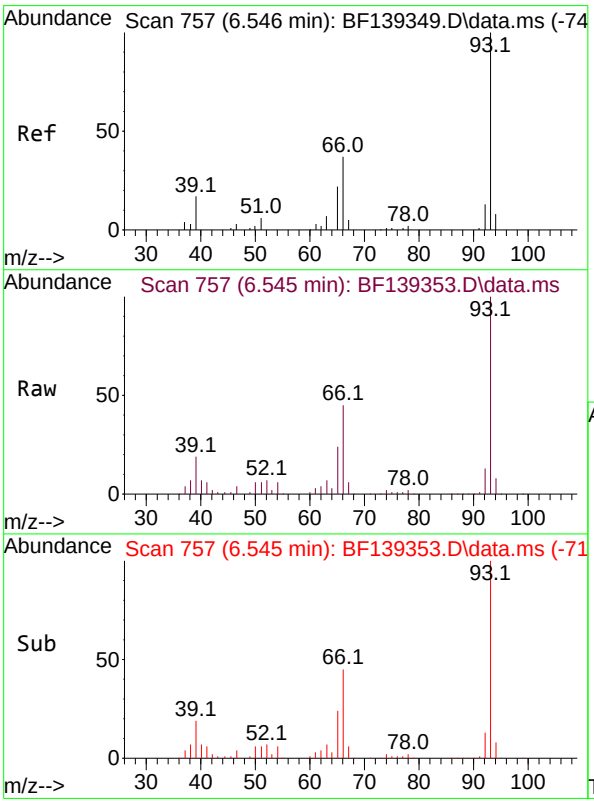

#5
2-Fluorophenol
Concen: 80.470 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.001 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:112 Resp: 308029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.0 | 54.8 | 82.2 |
| 63 | 41.5 | 33.0 | 49.4 |

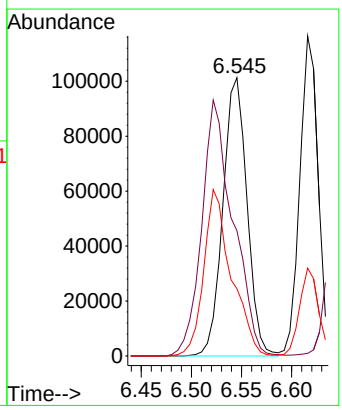


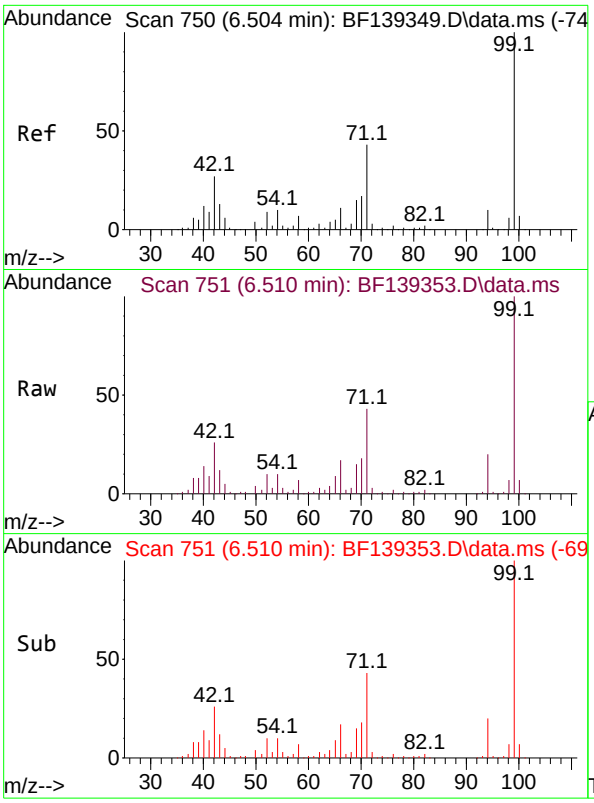




#6
Aniline
Concen: 44.592 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.024 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 93 Resp: 169079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 45.0 | 35.4 | 53.0 |
| 65 | 24.2 | 18.2 | 27.4 |



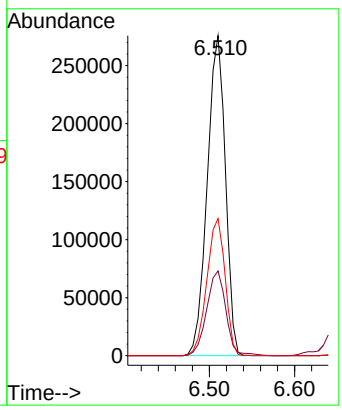


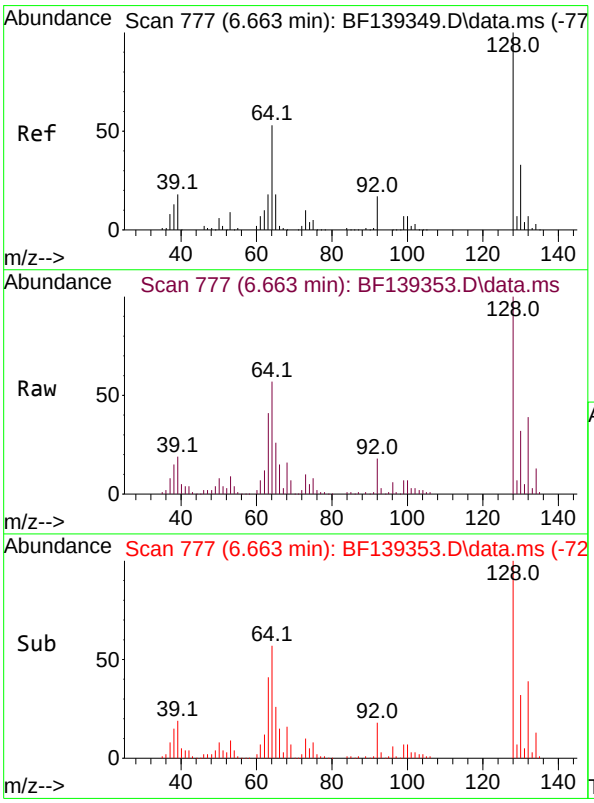

#7
Phenol-d6
Concen: 81.152 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 99 Resp: 407735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.5 | 21.9 | 32.9 |
| 71 | 42.9 | 34.6 | 52.0 |

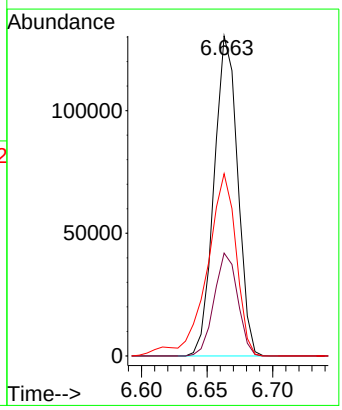


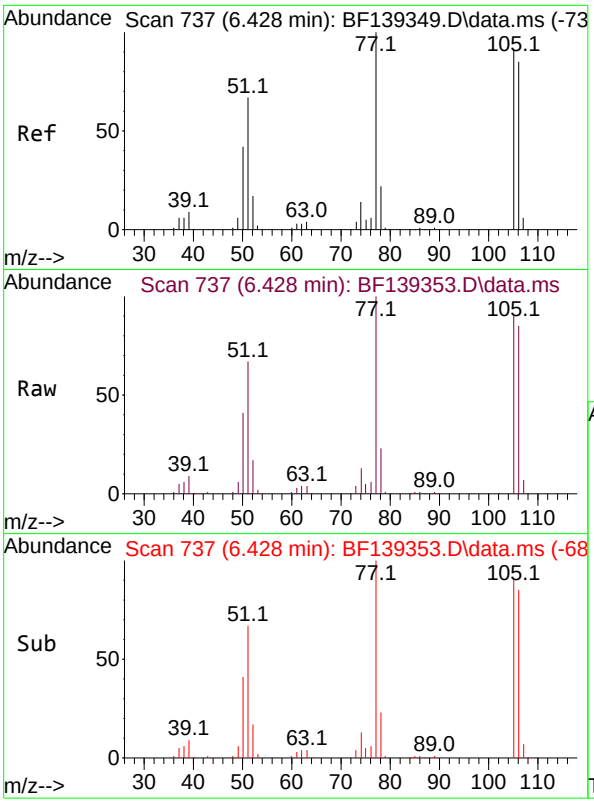




#8
2-Chlorophenol
Concen: 41.245 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:128 Resp: 162520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.8 | 52.8 |
| 64 | 56.9 | 35.1 | 75.1 |



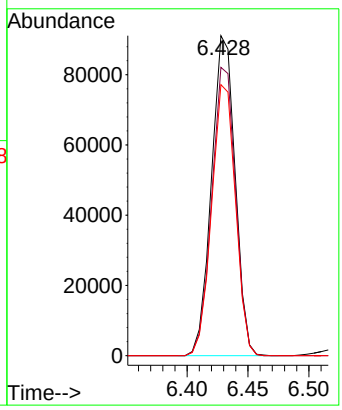


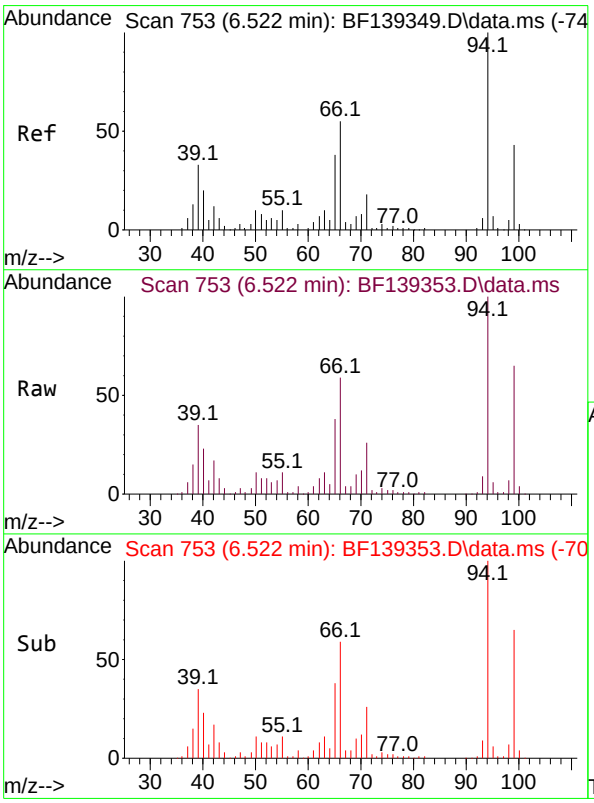

#9
Benzaldehyde
Concen: 42.392 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 77 Resp: 123057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.1 | 71.0 | 111.0 |
| 106 | 84.7 | 64.9 | 104.9 |

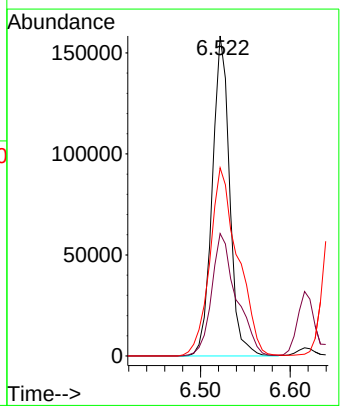


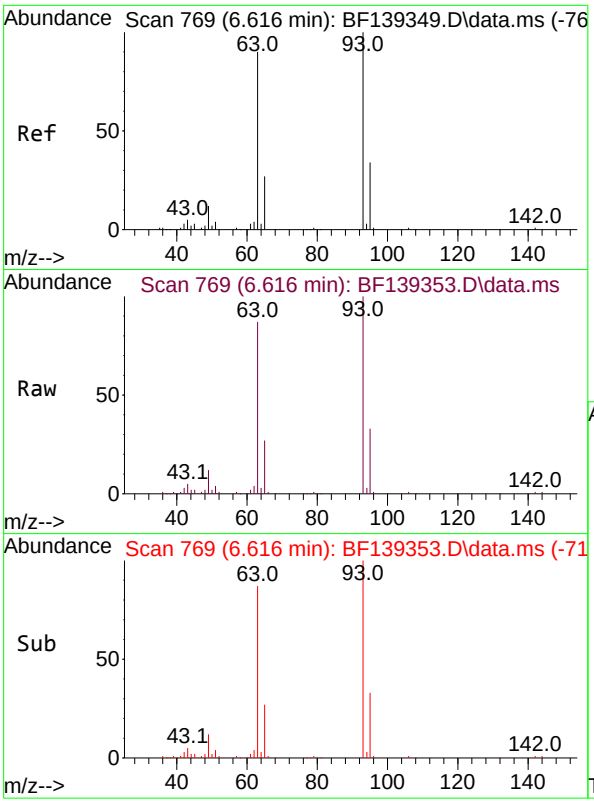




#10
Phenol
Concen: 41.583 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 94 Resp: 212792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.3 | 17.6 | 57.6 |
| 66 | 58.8 | 35.2 | 75.2 |



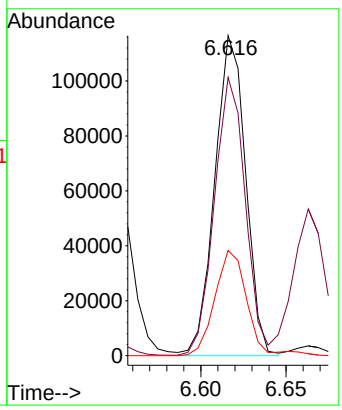


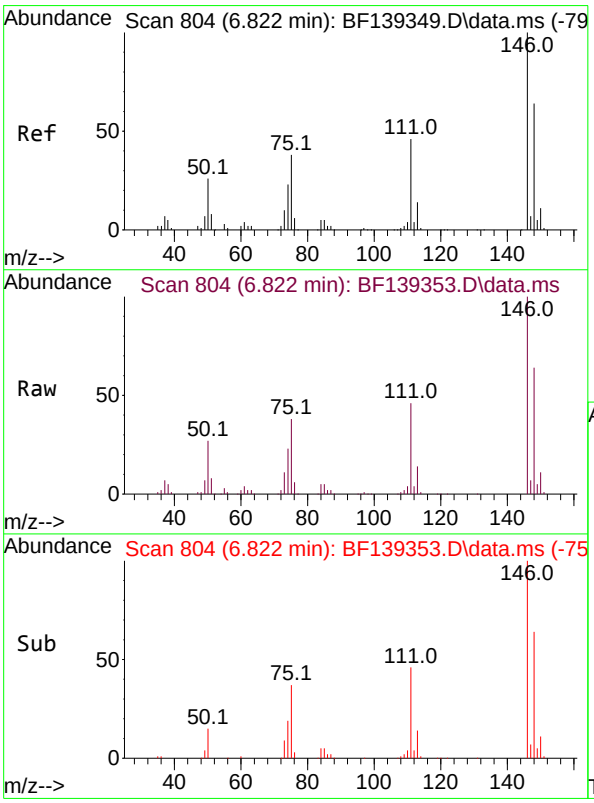

#11
bis(2-Chloroethyl)ether
Concen: 37.760 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 93 Resp: 146864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 86.9 | 65.3 | 105.3 |
| 95 | 32.9 | 12.4 | 52.4 |

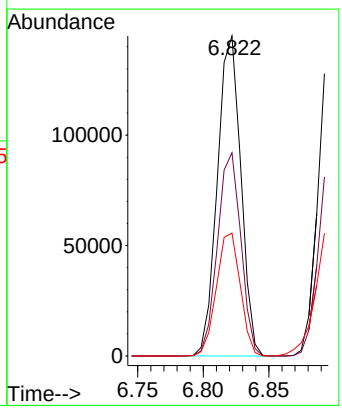


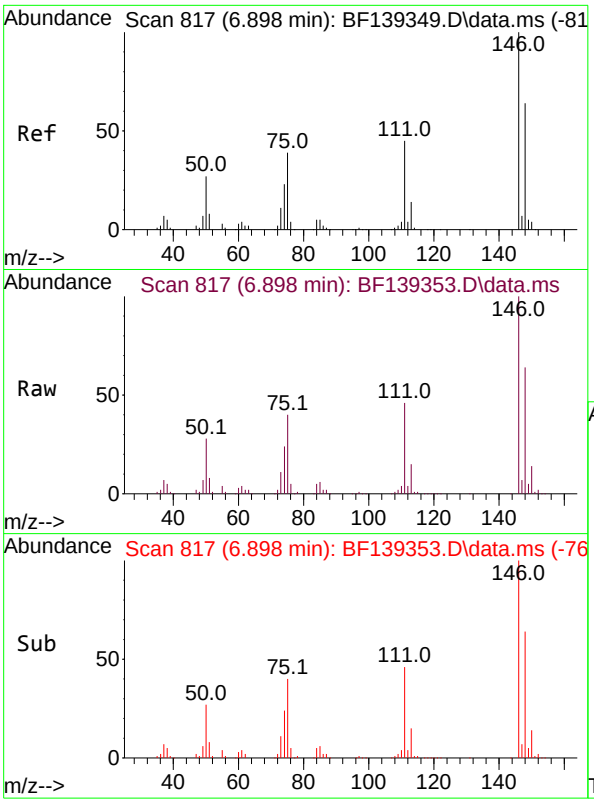




#12
1,3-Dichlorobenzene
Concen: 40.235 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:146 Resp: 180304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.2 | 76.8 |
| 75 | 38.4 | 30.6 | 46.0 |



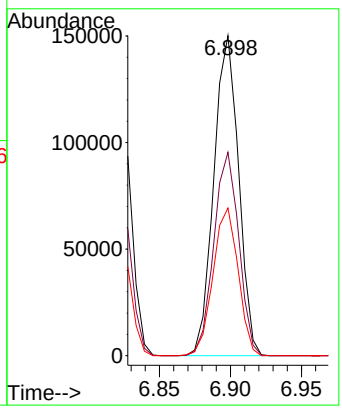


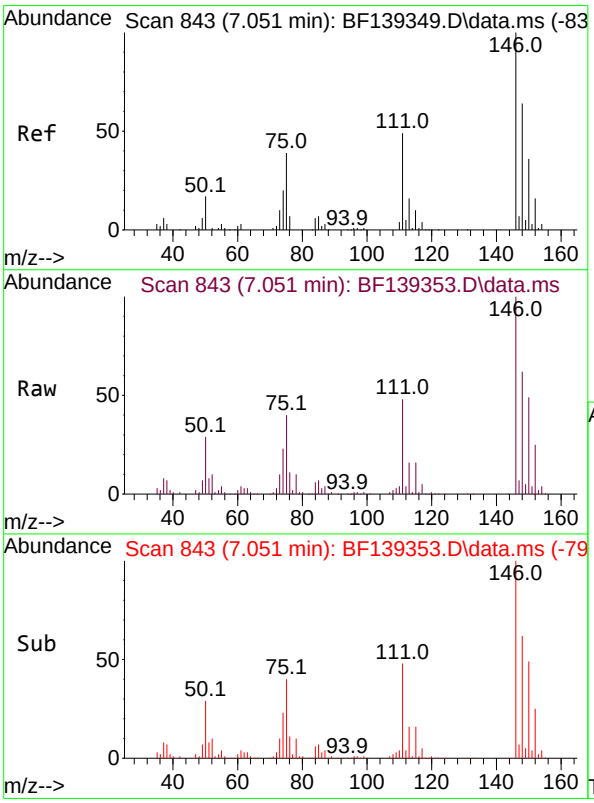

#13
1,4-Dichlorobenzene
Concen: 40.273 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:146 Resp: 182375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.9 | 76.3 |
| 111 | 46.1 | 36.3 | 54.5 |

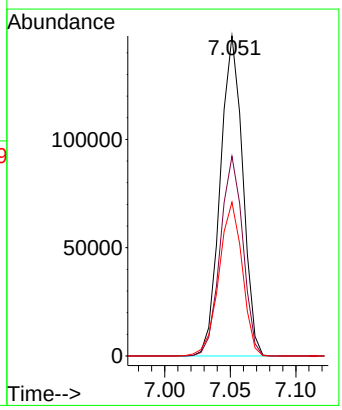


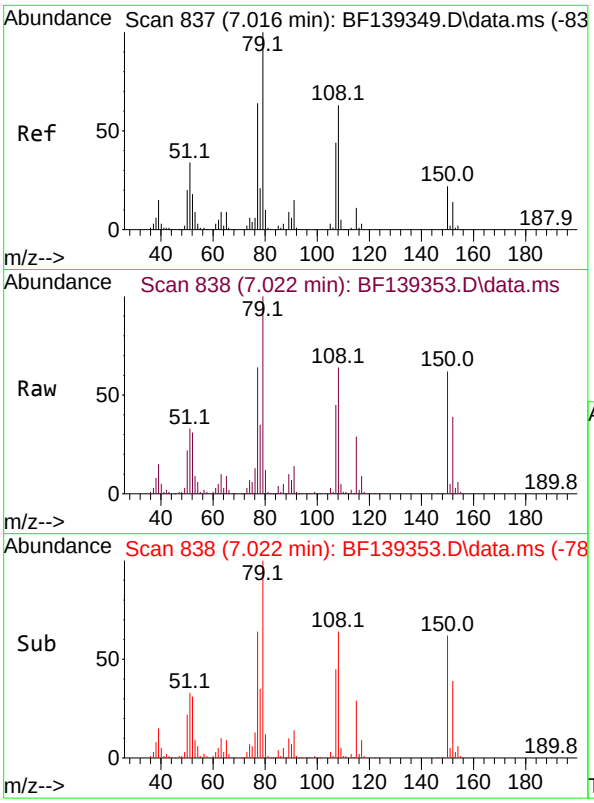




#14
1,2-Dichlorobenzene
Concen: 41.020 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:146 Resp: 175523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.4 | 50.9 | 76.3 |
| 111 | 48.1 | 38.9 | 58.3 |



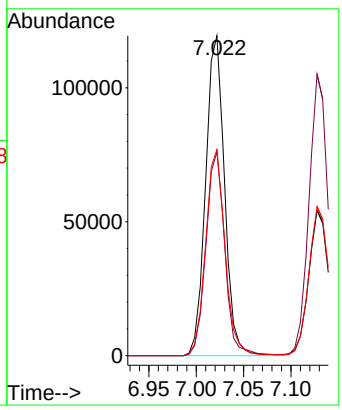


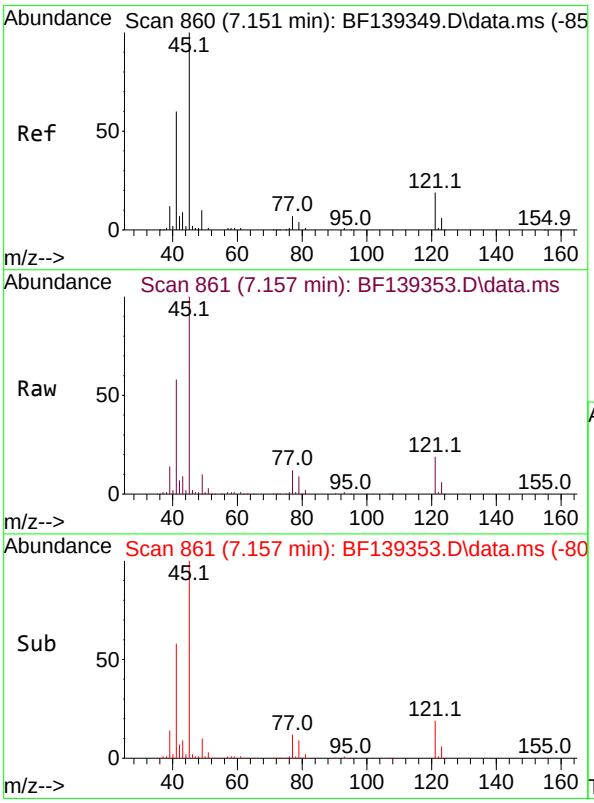

#15
Benzyl Alcohol
Concen: 41.276 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 79 Resp: 165457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 63.8 | 50.4 | 75.6 |
| 77 | 64.4 | 51.4 | 77.2 |

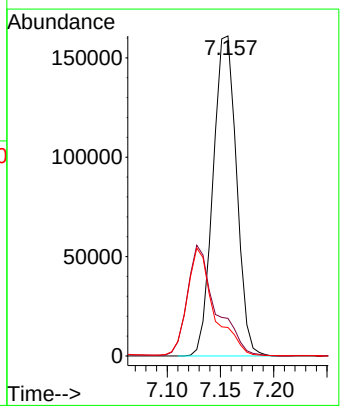


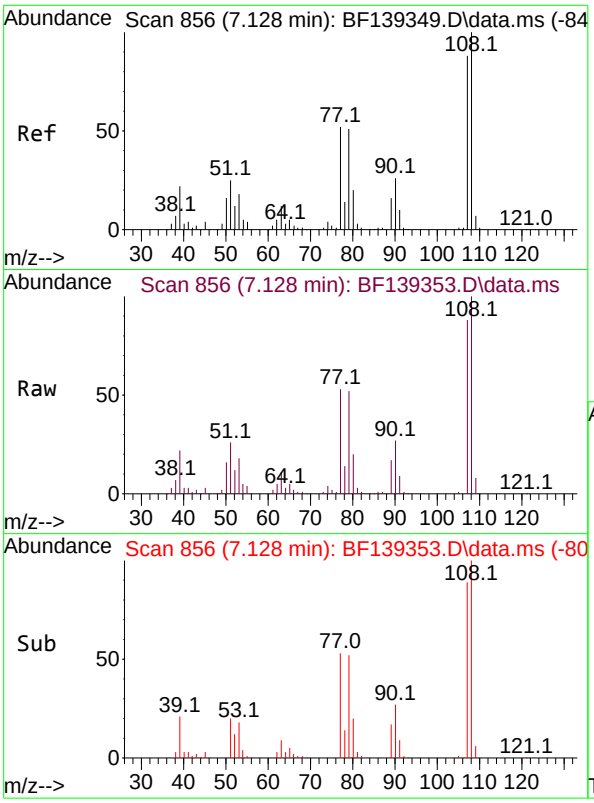




#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.216 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 45 Resp: 247051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.7 | 0.0 | 32.0 |
| 79 | 8.9 | 0.0 | 29.1 |



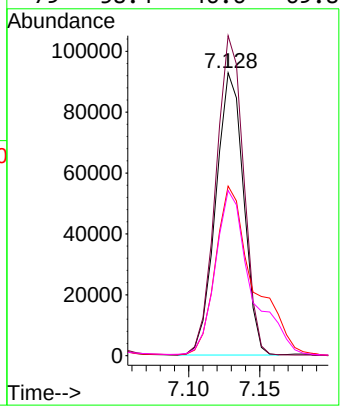


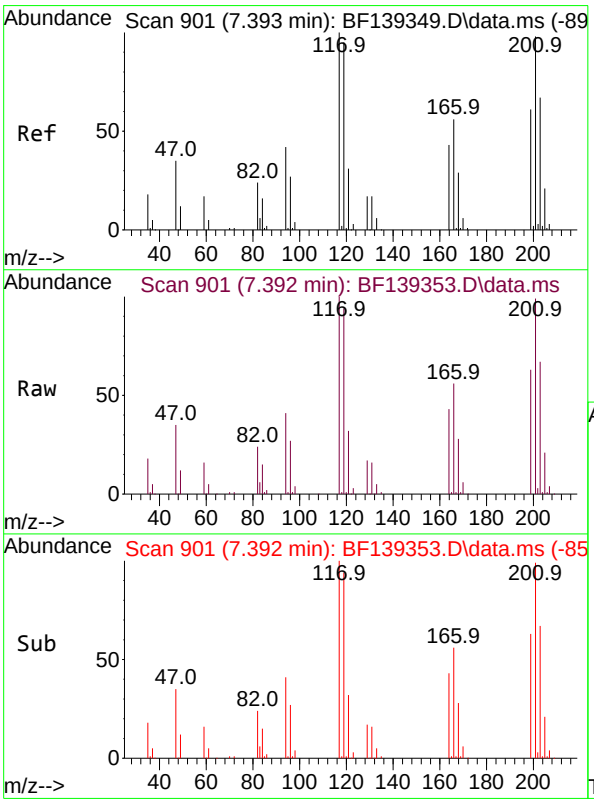

#17
2-Methylphenol
Concen: 40.384 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:107 Resp: 126426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.1 | 90.5 | 135.7 |
| 77 | 59.9 | 47.1 | 70.7 |
| 79 | 58.4 | 46.6 | 69.8 |

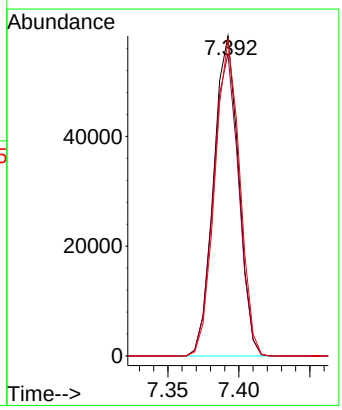


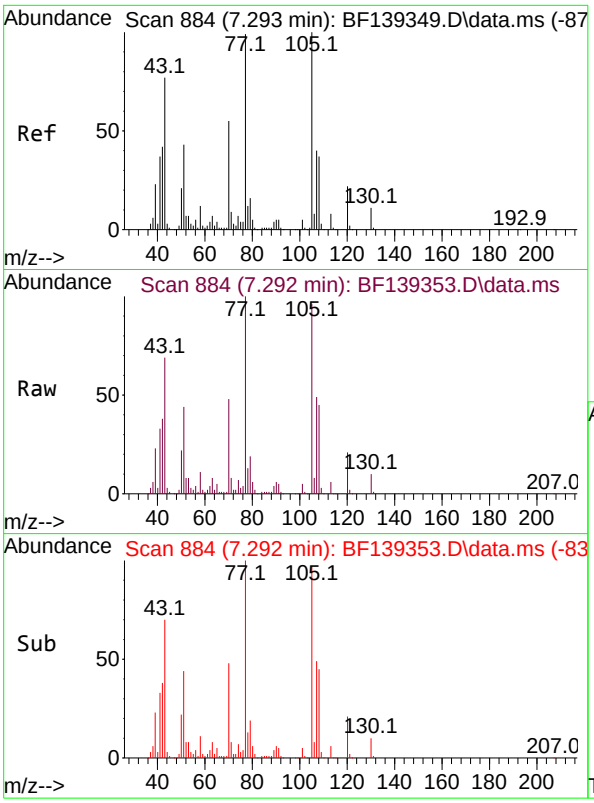




#18
Hexachloroethane
Concen: 41.228 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:117 Resp: 71112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 75.8 | 113.8 |
| 201 | 98.6 | 78.6 | 118.0 |



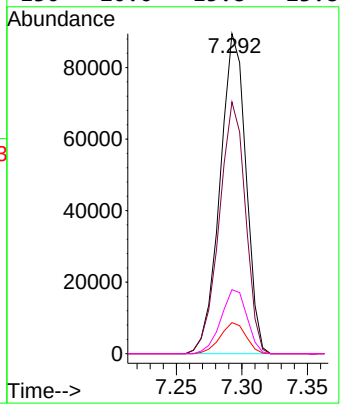


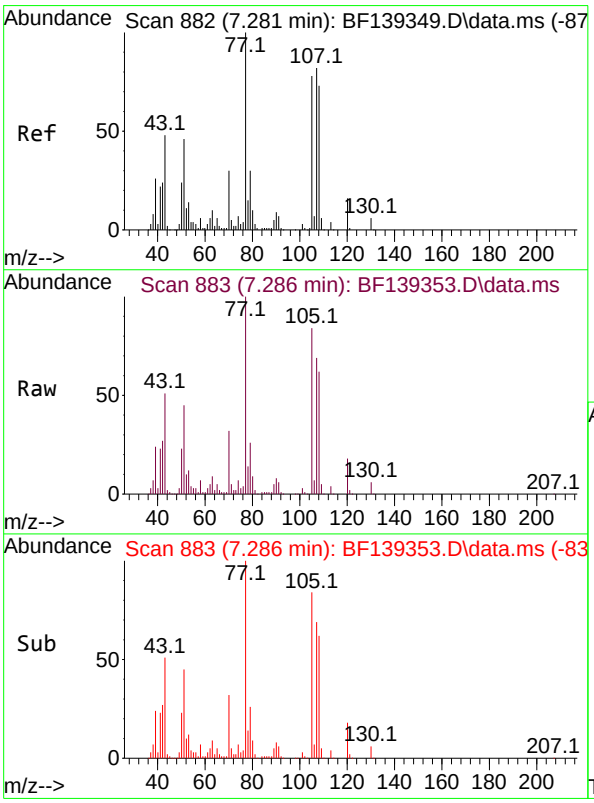

#19
n-Nitroso-di-n-propylamine
Concen: 41.364 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 70 Resp: 123157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 78.7 | 61.2 | 91.8 |
| 101 | 9.7 | 7.5 | 11.3 |
| 130 | 20.0 | 15.8 | 23.8 |

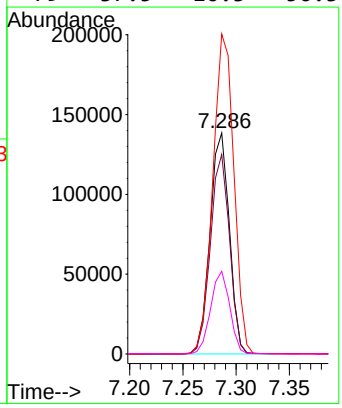


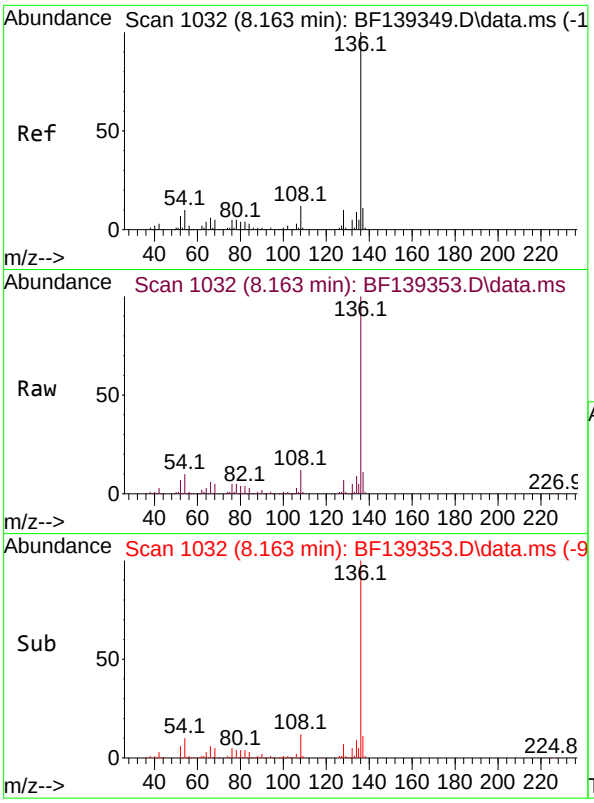




#20
3+4-Methylphenols
Concen: 40.824 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:107 Resp: 174364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.2 | 68.6 | 108.6 |
| 77 | 144.8 | 101.6 | 141.6# |
| 79 | 37.5 | 16.3 | 56.3 |



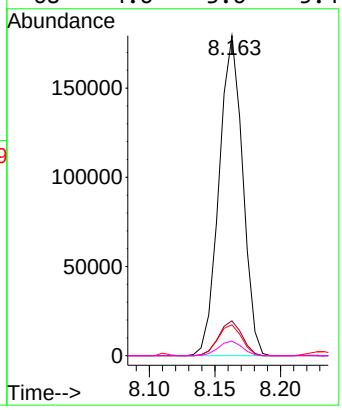


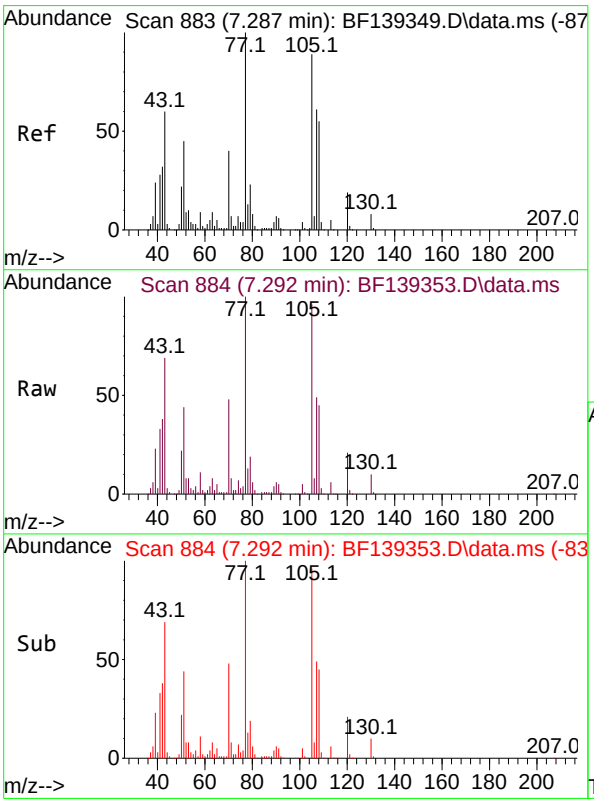

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:136 Resp: 224439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 12.8 |
| 54 | 9.7 | 7.8 | 11.8 |
| 68 | 4.6 | 3.6 | 5.4 |

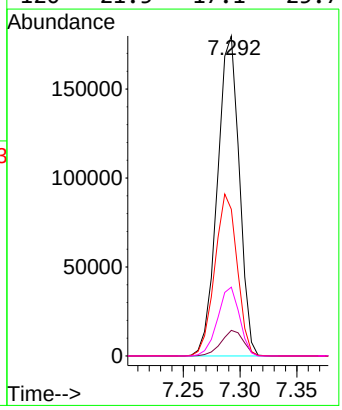


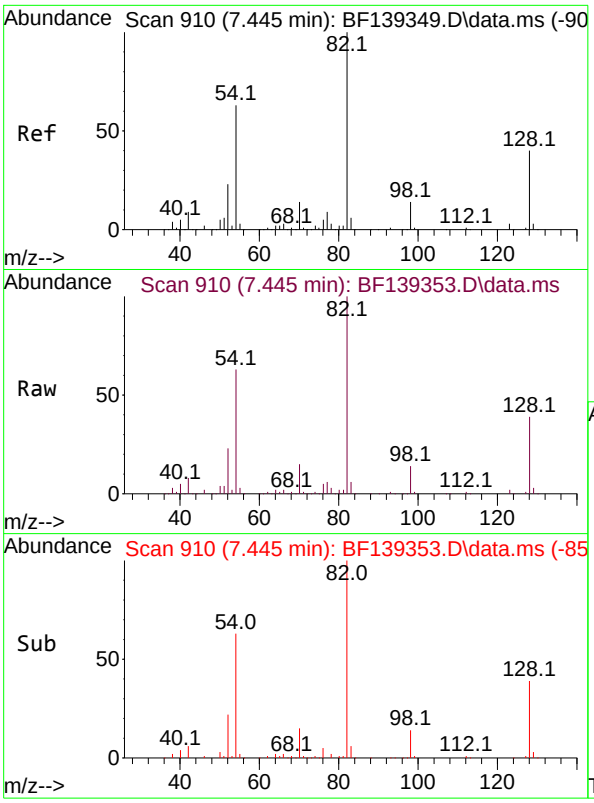




#22
Acetophenone
Concen: 41.167 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:105 Resp: 241549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 5.9 | 8.9 |
| 51 | 45.8 | 40.0 | 60.0 |
| 120 | 21.5 | 17.1 | 25.7 |



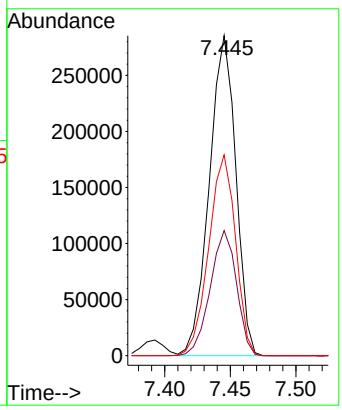


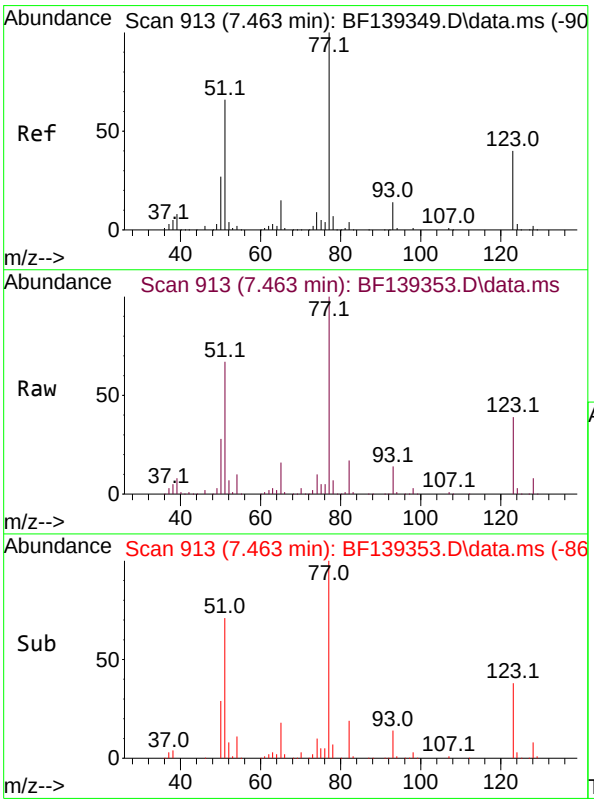

#23
Nitrobenzene-d5
Concen: 84.223 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 82 Resp: 402094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 31.8 | 47.6 |
| 54 | 62.8 | 50.6 | 75.8 |

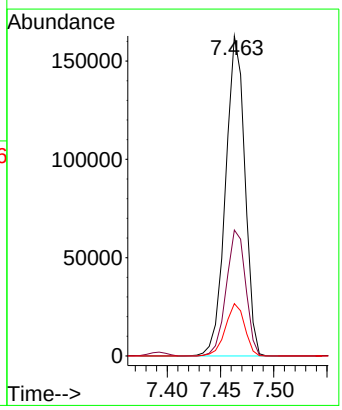


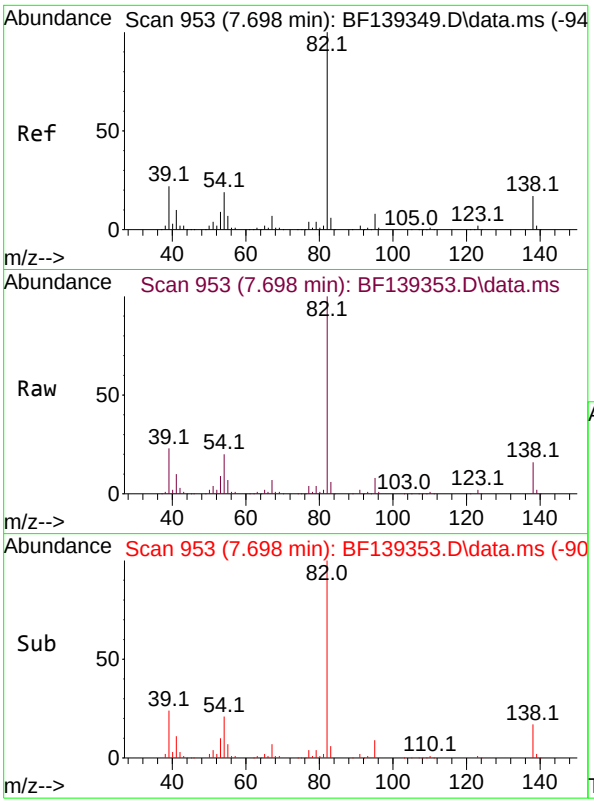




#24
Nitrobenzene
Concen: 41.700 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 77 Resp: 204895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 39.4 | 32.2 | 48.4 |
| 65 | 16.4 | 12.2 | 18.4 |



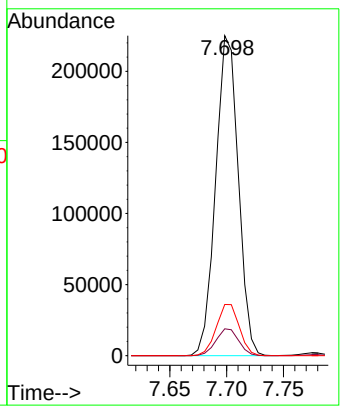


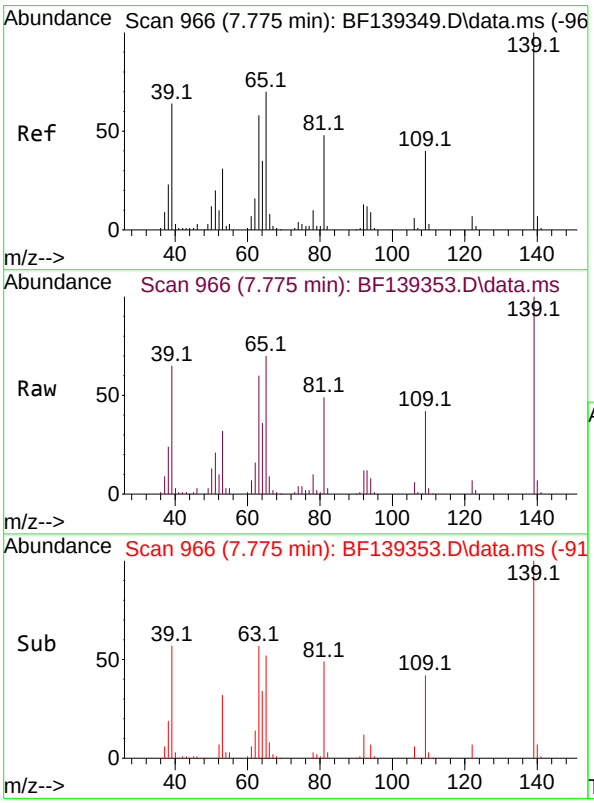

#25
Isophorone
Concen: 41.358 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 82 Resp: 312264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.7 | 10.1 |
| 138 | 16.0 | 13.3 | 19.9 |

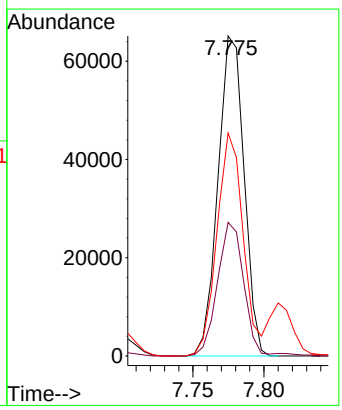


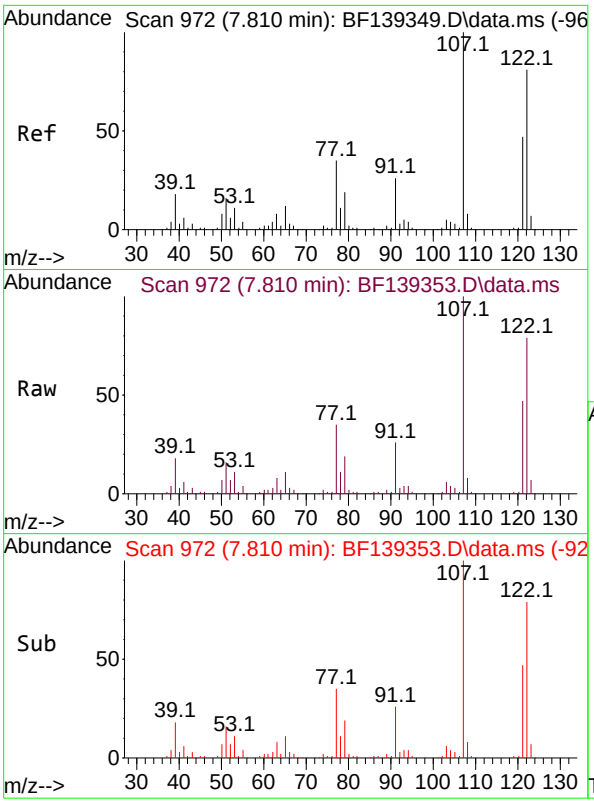




#26
2-Nitrophenol
Concen: 43.547 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:139 Resp: 83362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 41.8 | 32.2 | 48.2 |
| 65 | 69.7 | 55.8 | 83.8 |



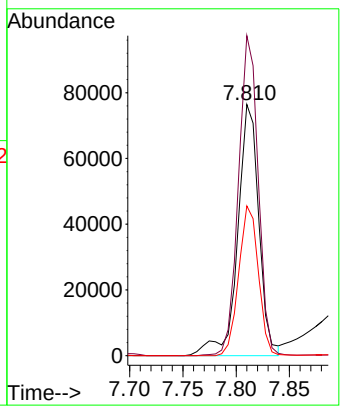


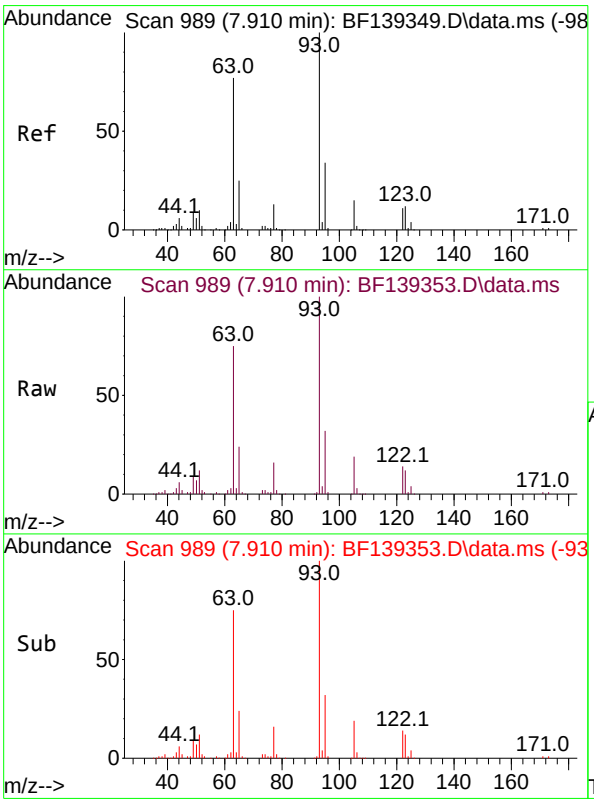

#27
2,4-Dimethylphenol
Concen: 41.945 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:122 Resp: 105918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 127.4 | 99.1 | 148.7 |
| 121 | 59.6 | 46.6 | 70.0 |

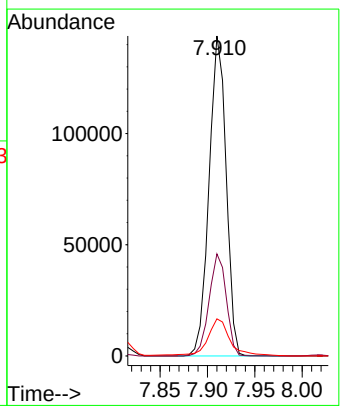


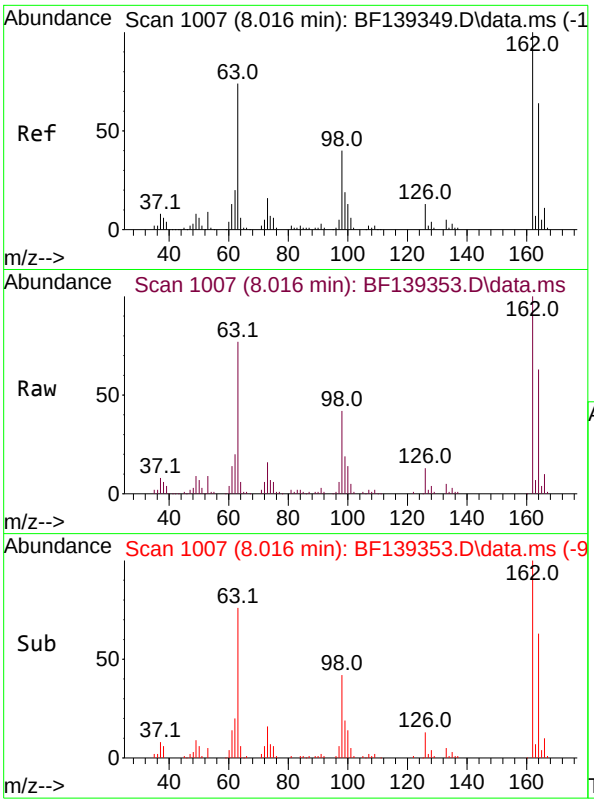




#28
bis(2-Chloroethoxy)methane
Concen: 41.858 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 93 Resp: 180121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 26.9 | 40.3 |
| 123 | 11.6 | 10.0 | 15.0 |



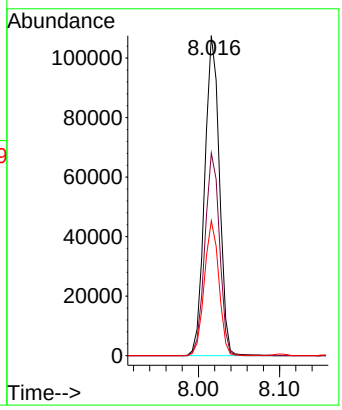


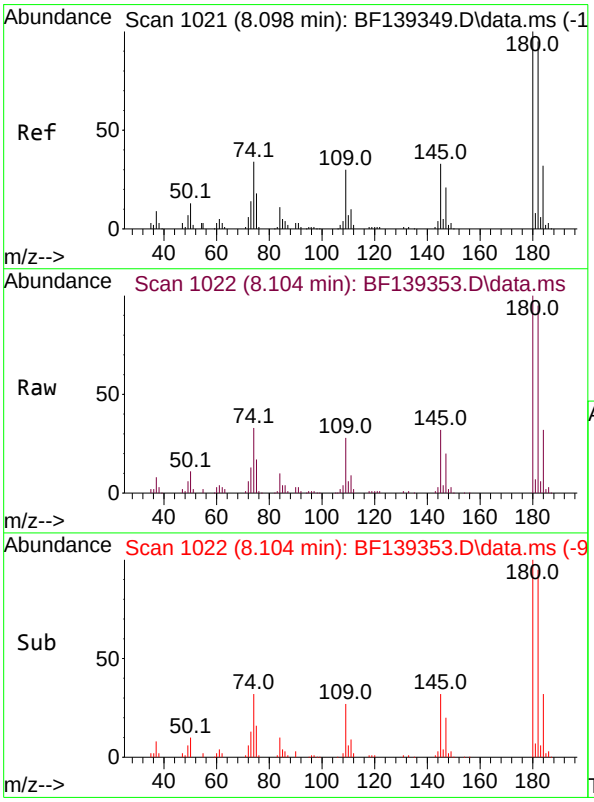

#29
2,4-Dichlorophenol
Concen: 42.134 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:162 Resp: 135162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 43.6 | 83.6 |
| 98 | 42.2 | 19.7 | 59.7 |

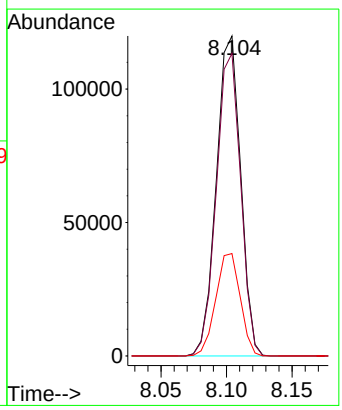


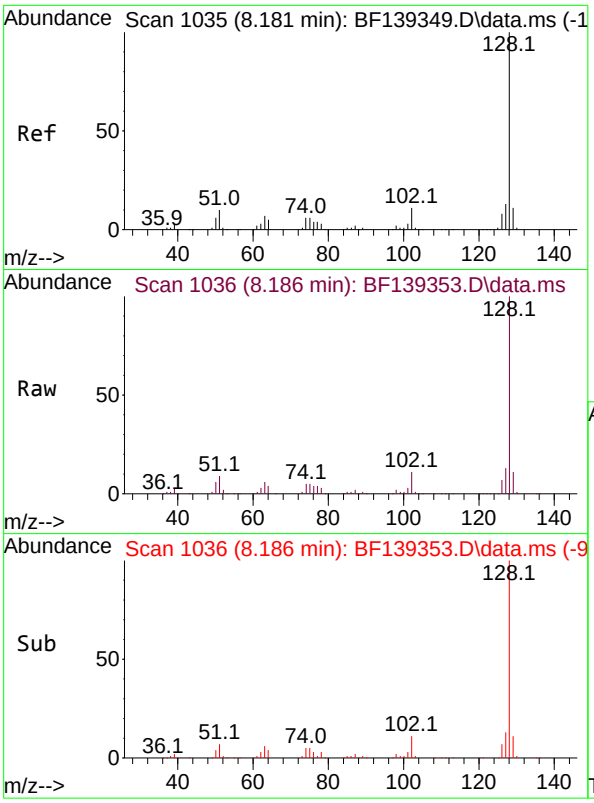




#30
1,2,4-Trichlorobenzene
Concen: 41.355 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:180 Resp: 154576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 75.7 | 113.5 |
| 145 | 32.0 | 26.5 | 39.7 |



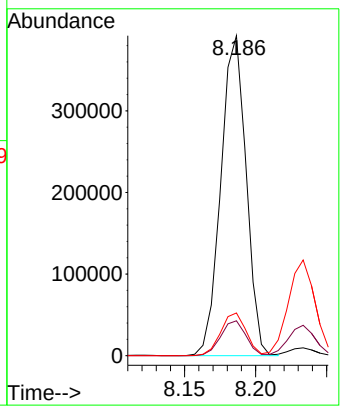


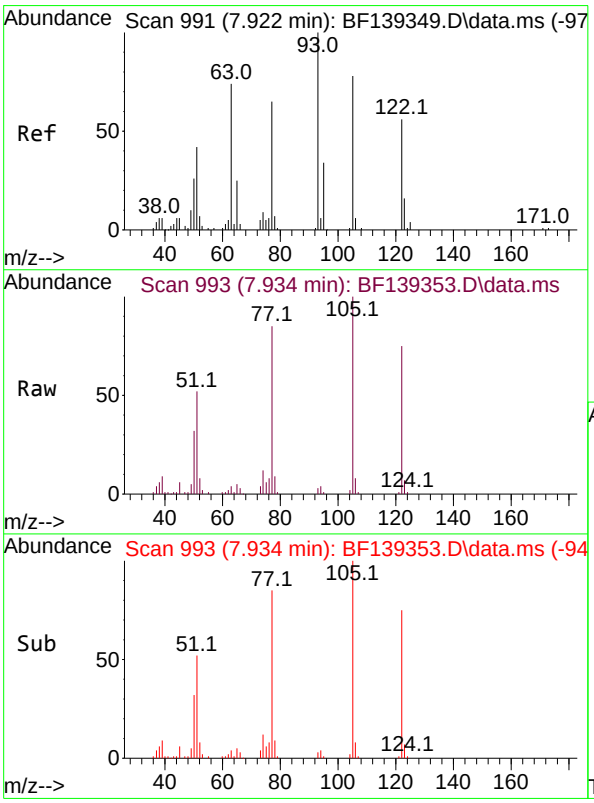

#31
Naphthalene
Concen: 41.452 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:128 Resp: 485689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 13.0 |
| 127 | 13.4 | 10.6 | 16.0 |

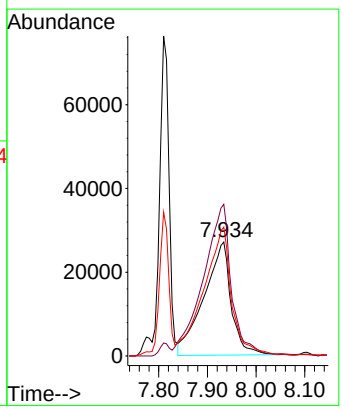


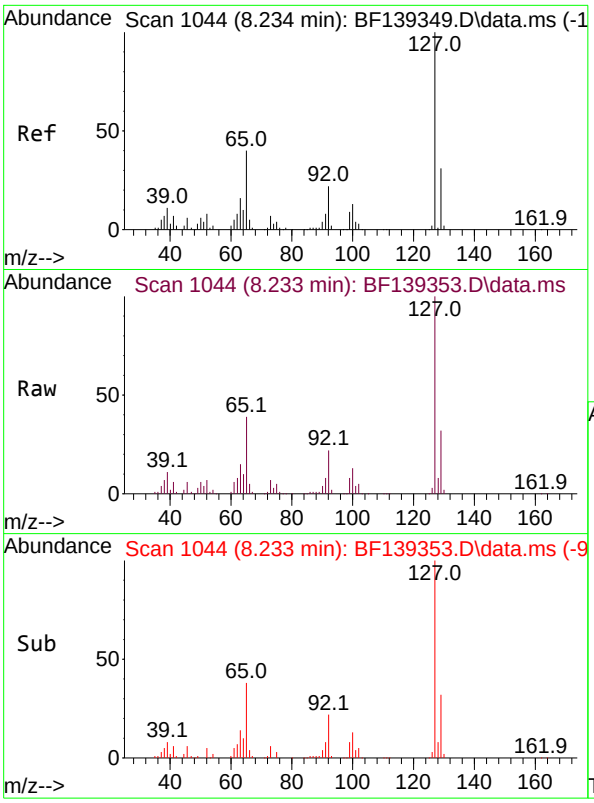




#32
Benzoic acid
Concen: 44.336 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:122 Resp: 104770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 133.1 | 117.1 | 157.1 |
| 77 | 113.1 | 95.4 | 135.4 |



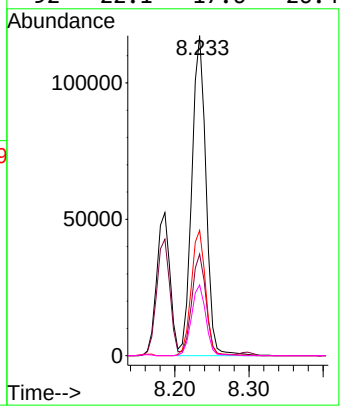


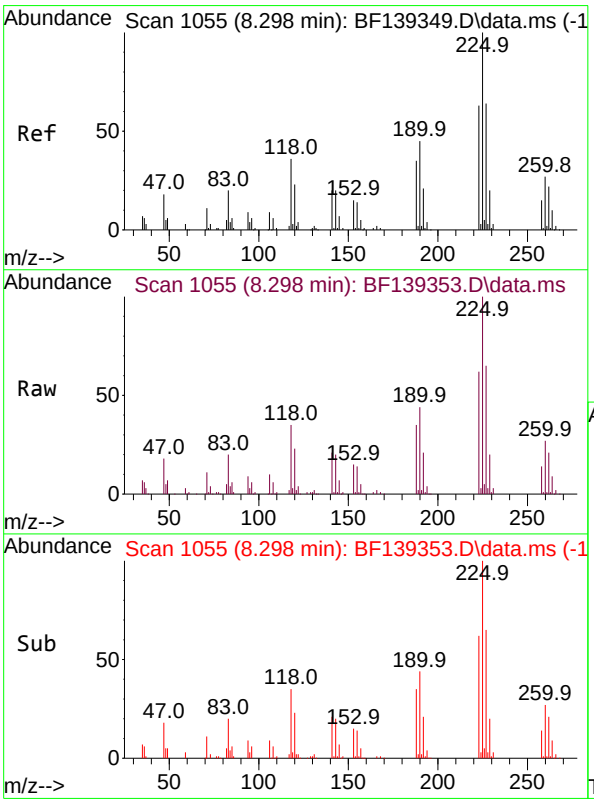

#33
4-Chloroaniline
Concen: 43.552 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:127 Resp: 156112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.8 | 25.5 | 38.3 |
| 65 | 39.1 | 31.5 | 47.3 |
| 92 | 22.1 | 17.6 | 26.4 |

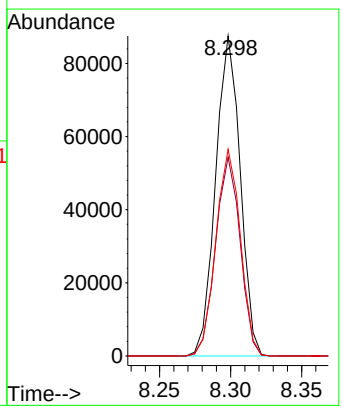


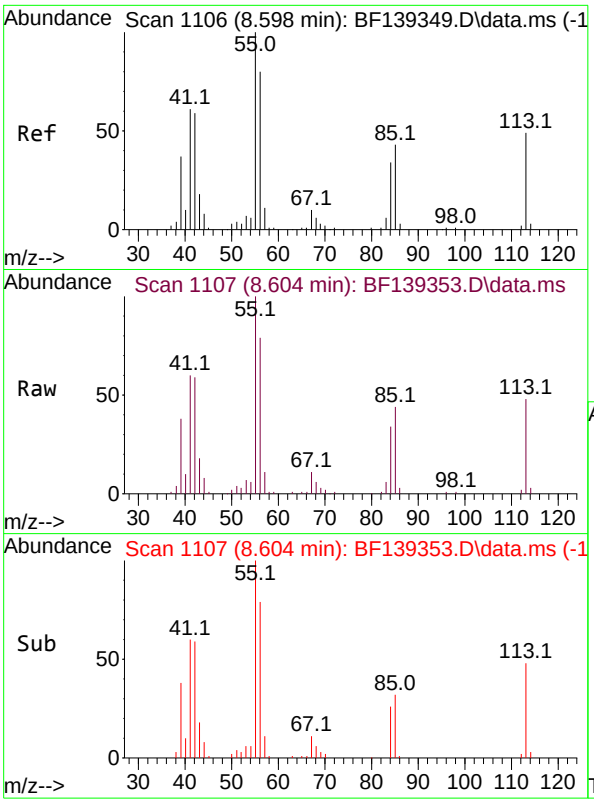




#34
Hexachlorobutadiene
Concen: 41.447 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:225 Resp: 105249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 50.1 | 75.1 |
| 227 | 64.5 | 51.0 | 76.6 |



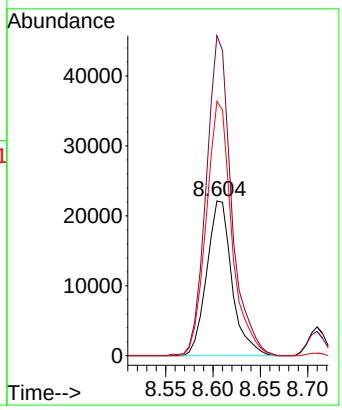


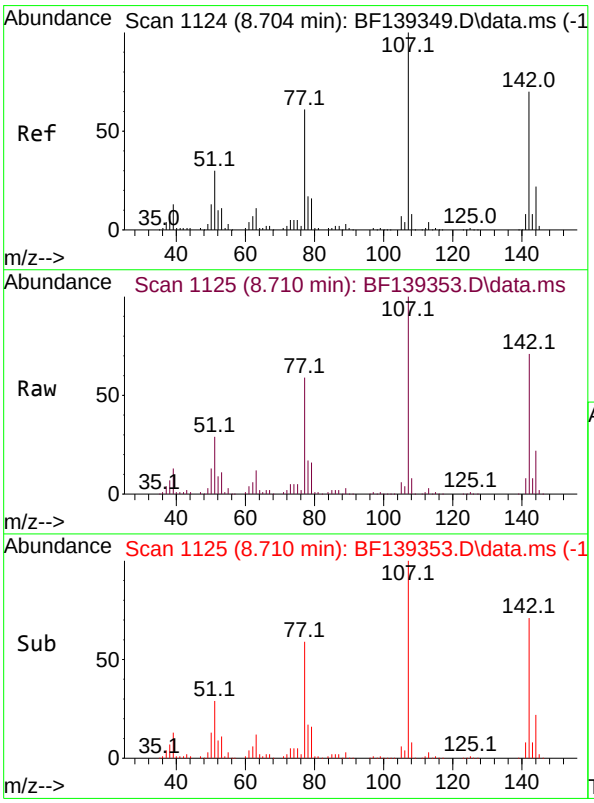

#35
Caprolactam
Concen: 41.375 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:113 Resp: 40829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 206.9 | 186.1 | 226.1 |
| 56 | 164.4 | 144.9 | 184.9 |

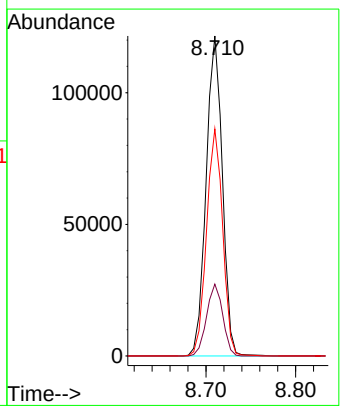


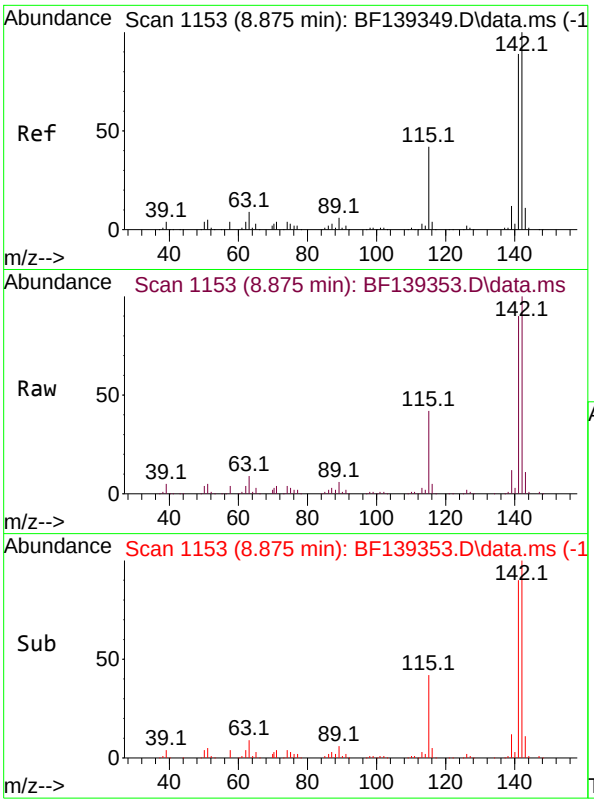




#36
4-Chloro-3-methylphenol
Concen: 41.634 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:107 Resp: 152639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.5 | 17.5 | 26.3 |
| 142 | 70.9 | 55.8 | 83.8 |



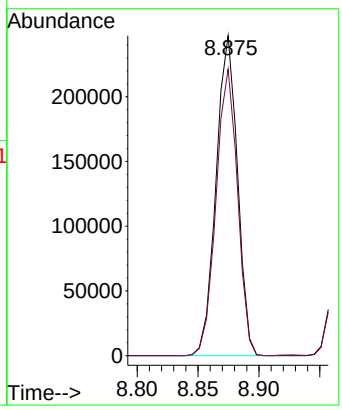


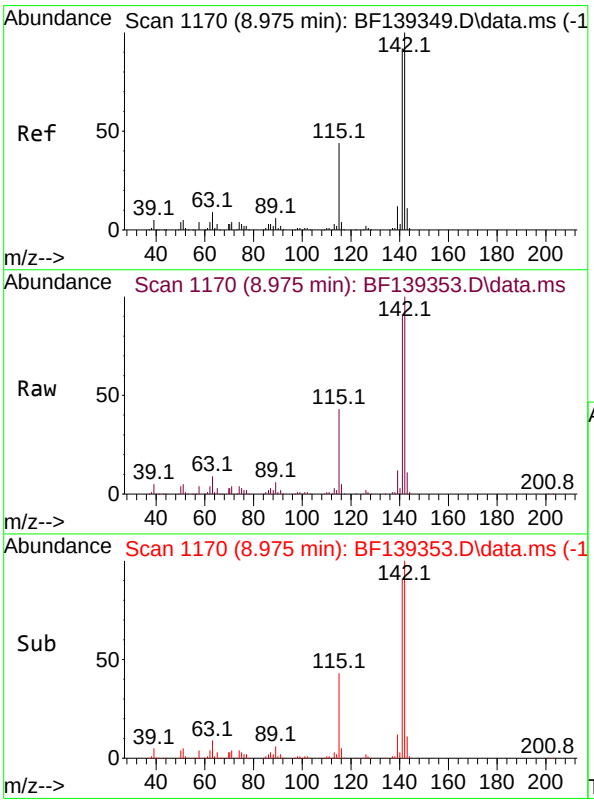

#37
2-Methylnaphthalene
Concen: 40.664 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:142 Resp: 302423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 71.6 | 107.4 |

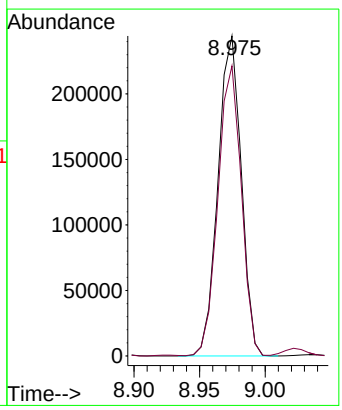


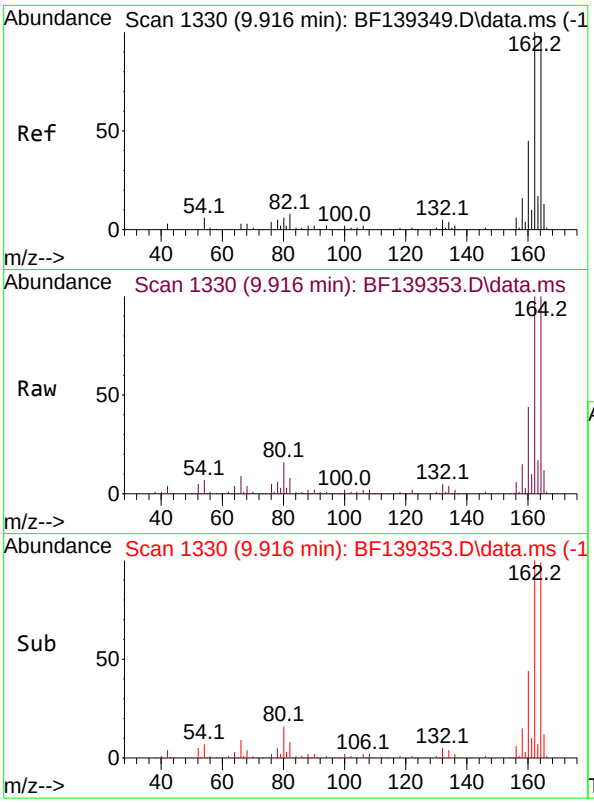




#38
1-Methylnaphthalene
Concen: 41.093 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:142 Resp: 300045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 73.2 | 109.8 |



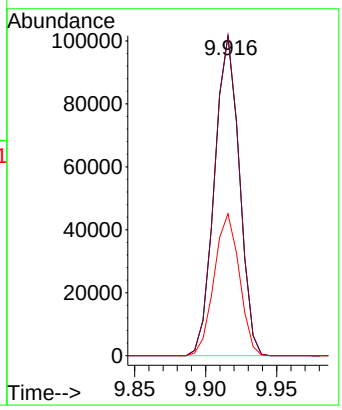


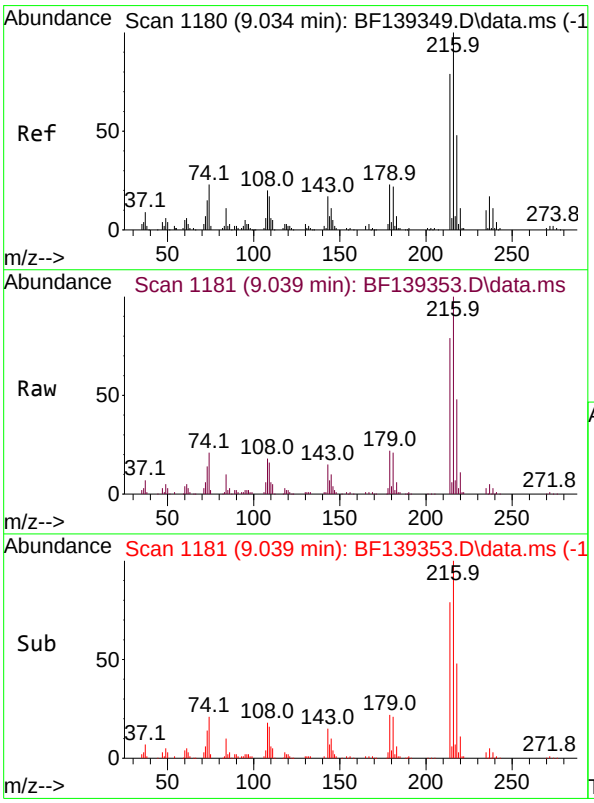

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:164 Resp: 123398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 81.3 | 121.9 |
| 160 | 44.5 | 36.4 | 54.6 |

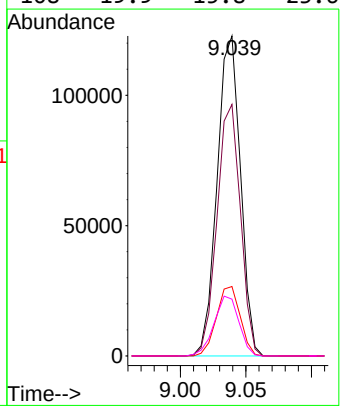


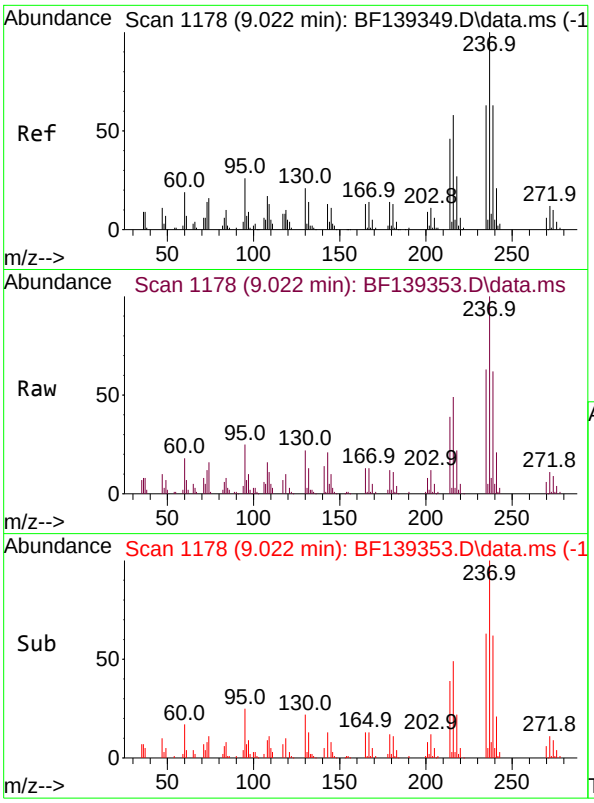




#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.569 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:216 Resp: 152023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.4 | 95.0 |
| 179 | 22.1 | 18.2 | 27.2 |
| 108 | 19.9 | 15.8 | 23.6 |



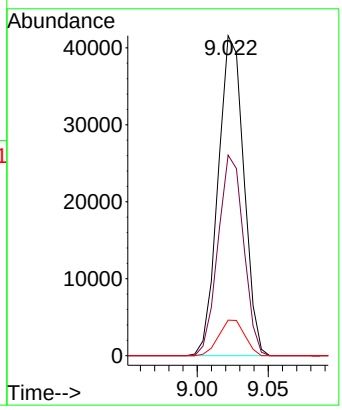


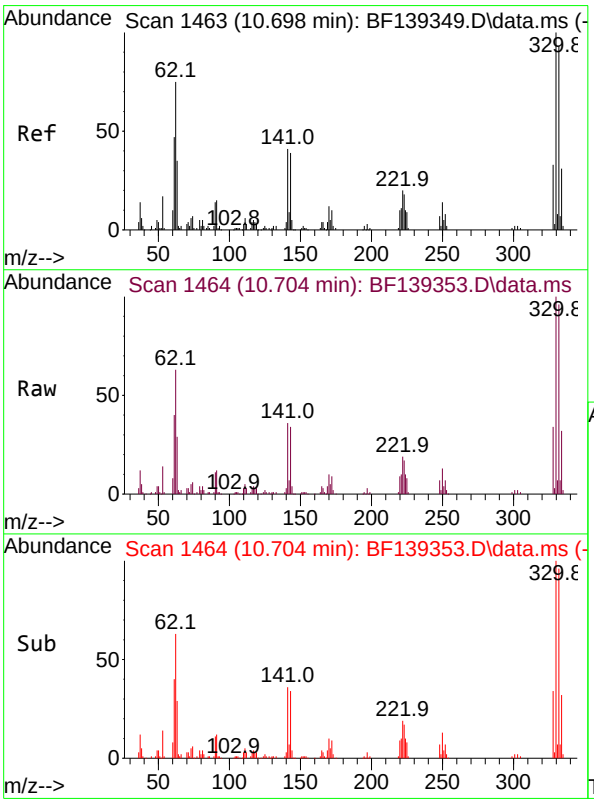

#41
Hexachlorocyclopentadiene
Concen: 40.948 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:237 Resp: 52287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 42.7 | 82.7 |
| 272 | 11.1 | 0.0 | 32.5 |

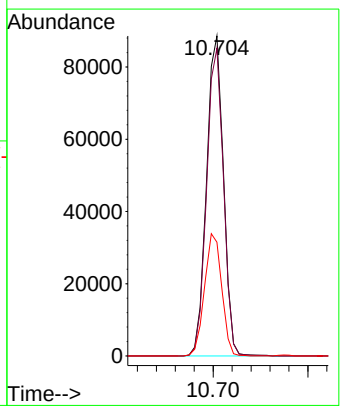


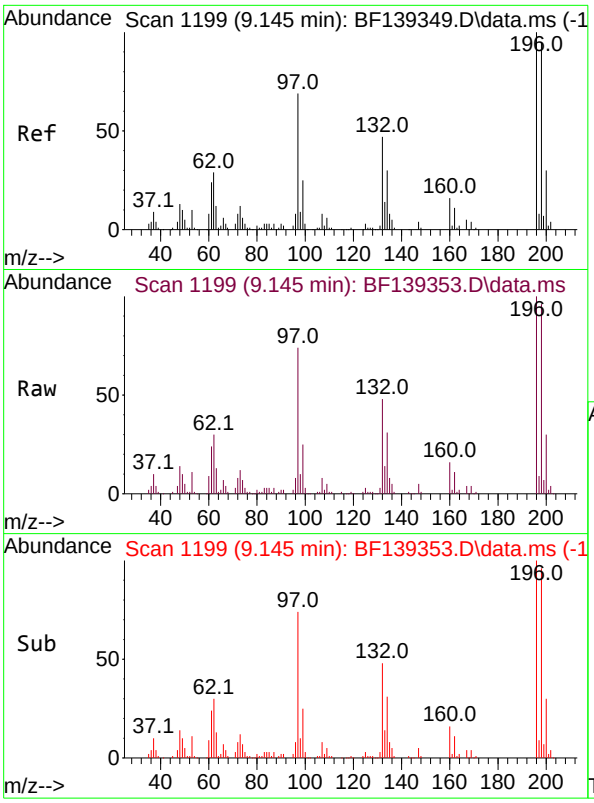




#42
2,4,6-Tribromophenol
Concen: 83.413 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:330 Resp: 109581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 75.2 | 112.8 |
| 141 | 38.9 | 31.2 | 46.8 |



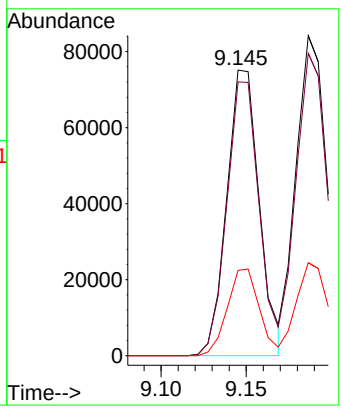


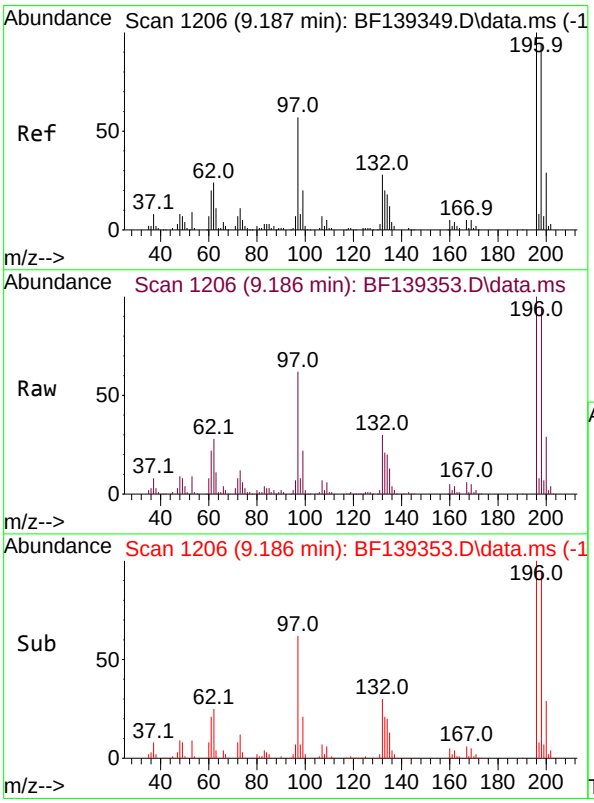

#43
2,4,6-Trichlorophenol
Concen: 42.005 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:196 Resp: 99943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 75.8 | 113.6 |
| 200 | 29.9 | 24.1 | 36.1 |

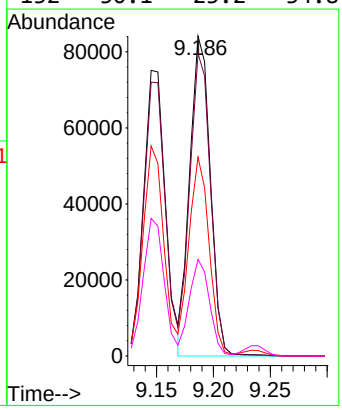


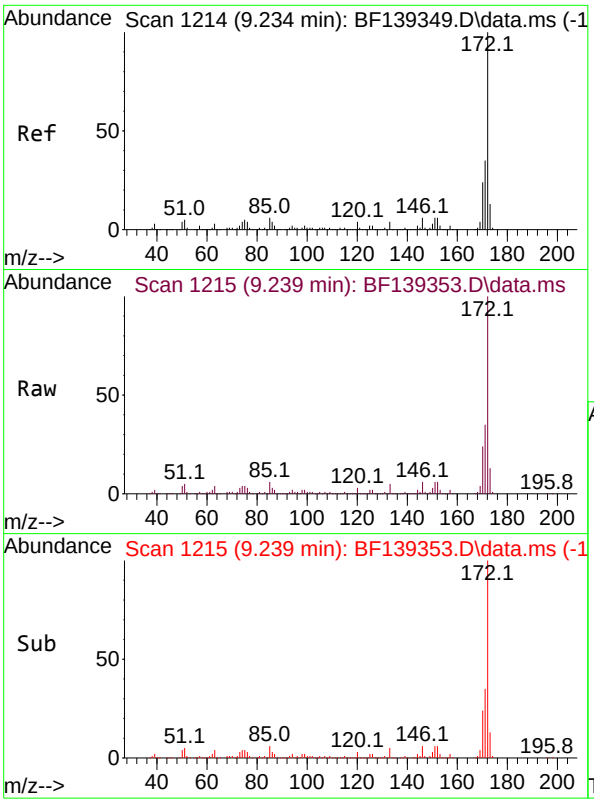




#44
2,4,5-Trichlorophenol
Concen: 42.375 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:196 Resp: 106352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 74.8 | 112.2 |
| 97 | 62.1 | 47.3 | 70.9 |
| 132 | 30.1 | 23.2 | 34.8 |



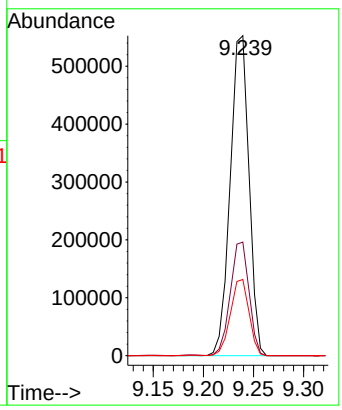


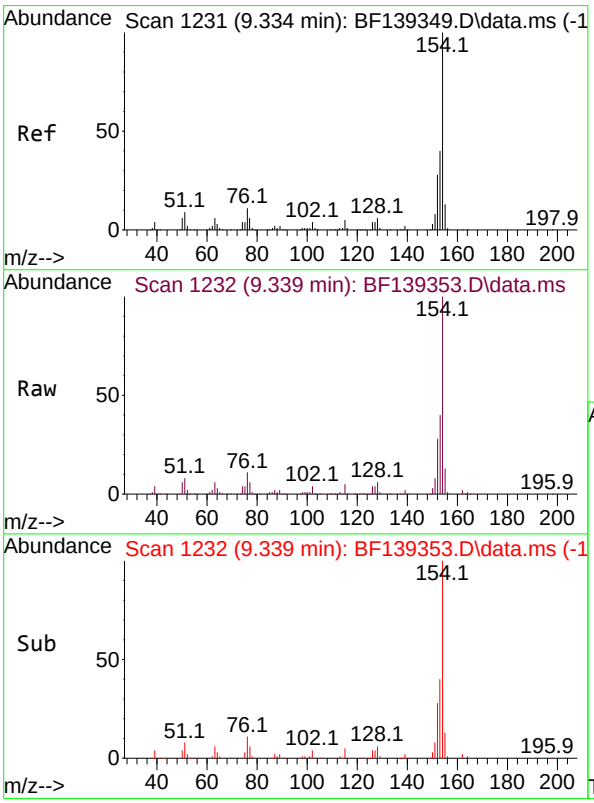

#45
2-Fluorobiphenyl
Concen: 82.154 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:172 Resp: 722819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.3 | 42.5 |
| 170 | 23.8 | 19.0 | 28.6 |

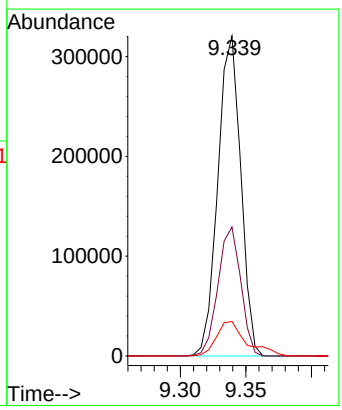


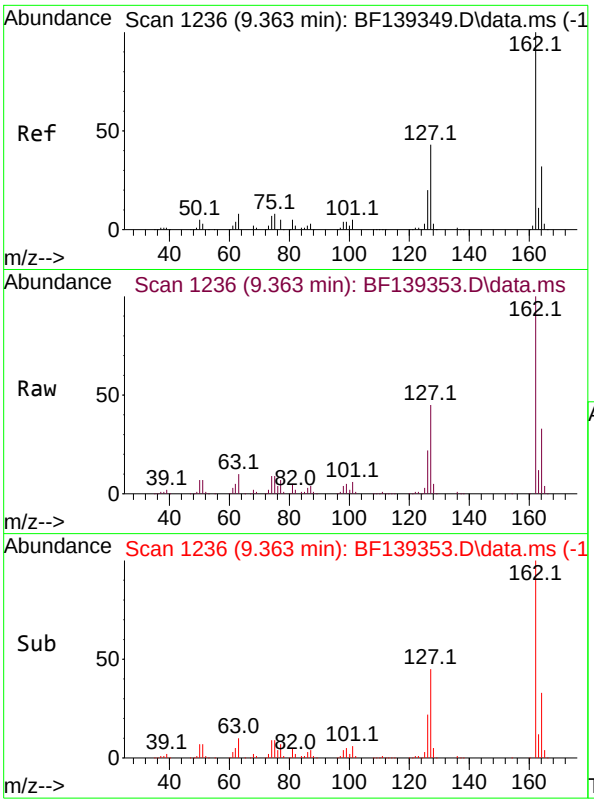




#46
1,1'-Biphenyl
Concen: 41.028 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:154 Resp: 389495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.1 | 60.1 |
| 76 | 10.8 | 0.0 | 31.1 |



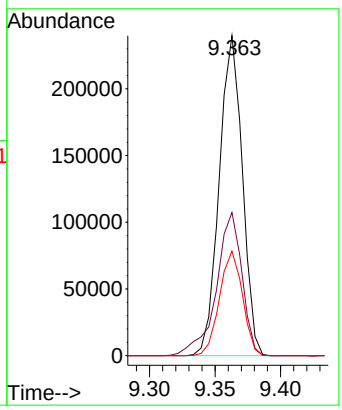


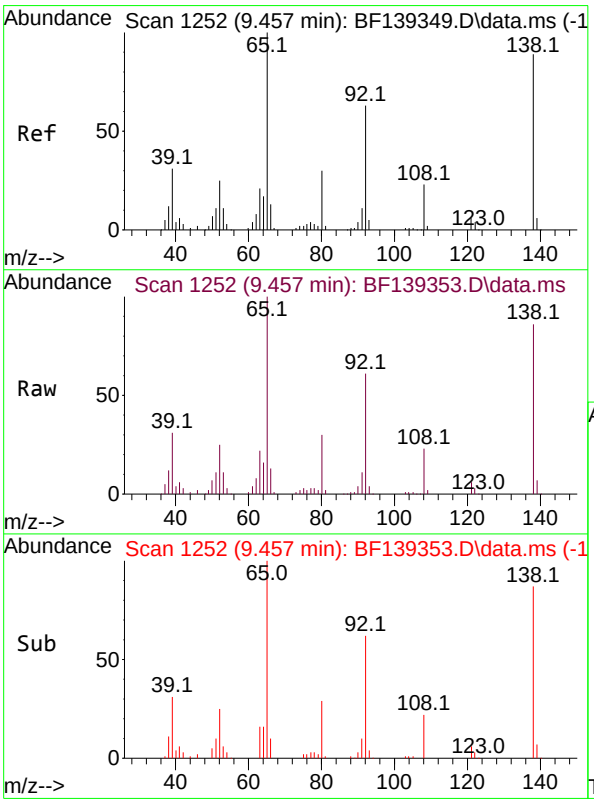

#47
2-Chloronaphthalene
Concen: 41.415 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:162 Resp: 293969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.8 | 35.0 | 52.4 |
| 164 | 32.6 | 25.8 | 38.6 |

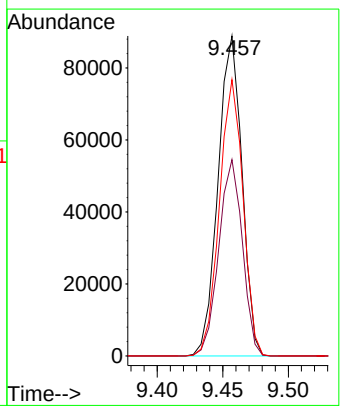


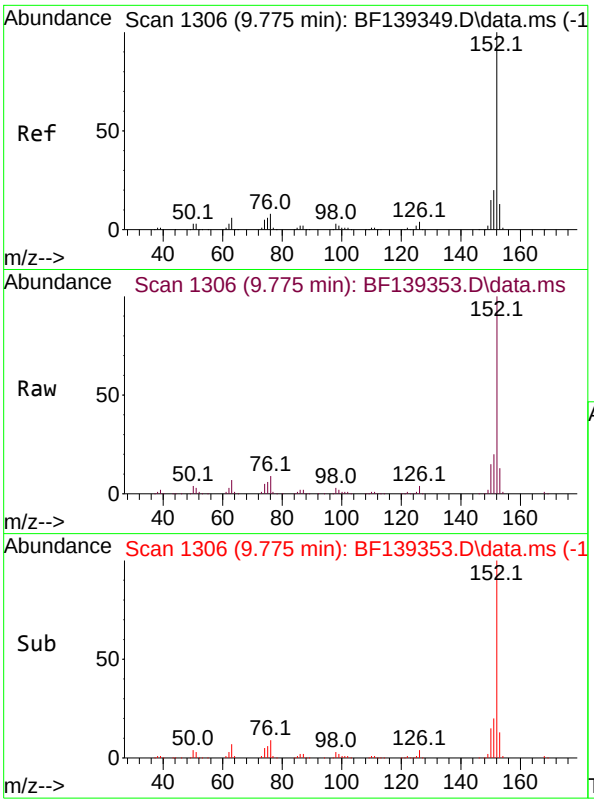




#48
2-Nitroaniline
Concen: 42.689 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion: 65 Resp: 112704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 61.4 | 50.3 | 75.5 |
| 138 | 86.4 | 71.3 | 106.9 |



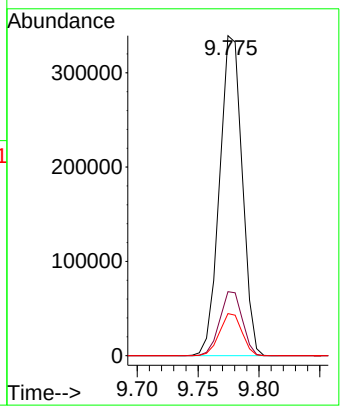


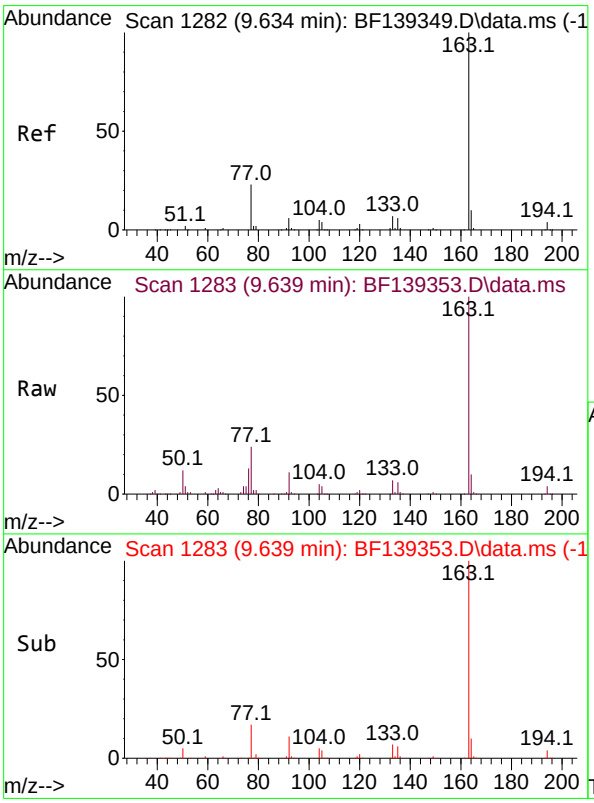

#49
Acenaphthylene
Concen: 41.065 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:152 Resp: 438775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.2 | 24.2 |
| 153 | 13.2 | 10.3 | 15.5 |

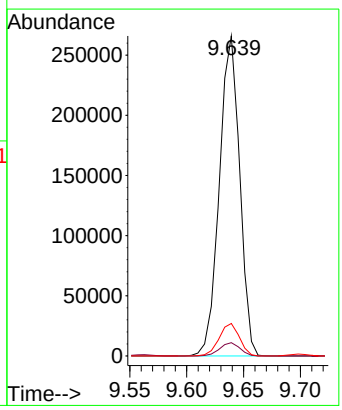


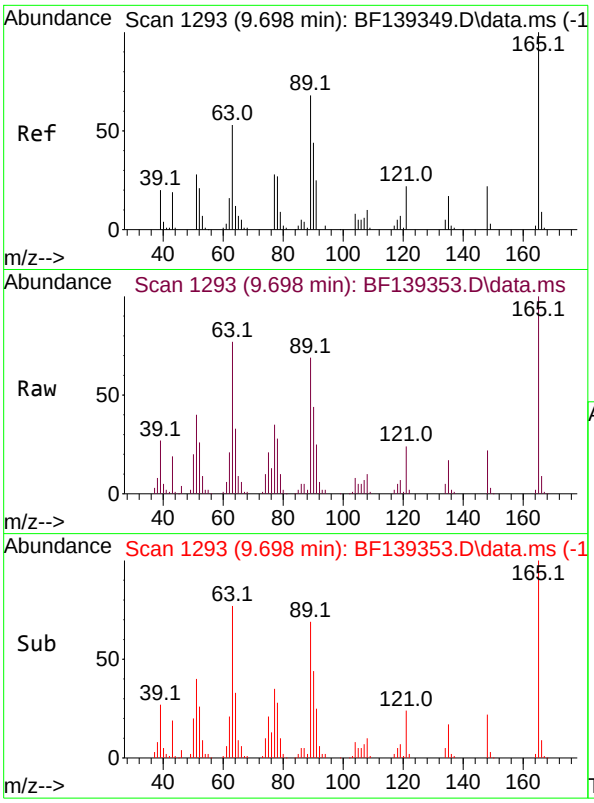




#50
Dimethylphthalate
Concen: 40.917 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:163 Resp: 331392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.2 | 12.2 |



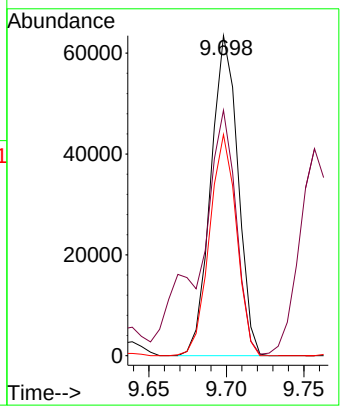


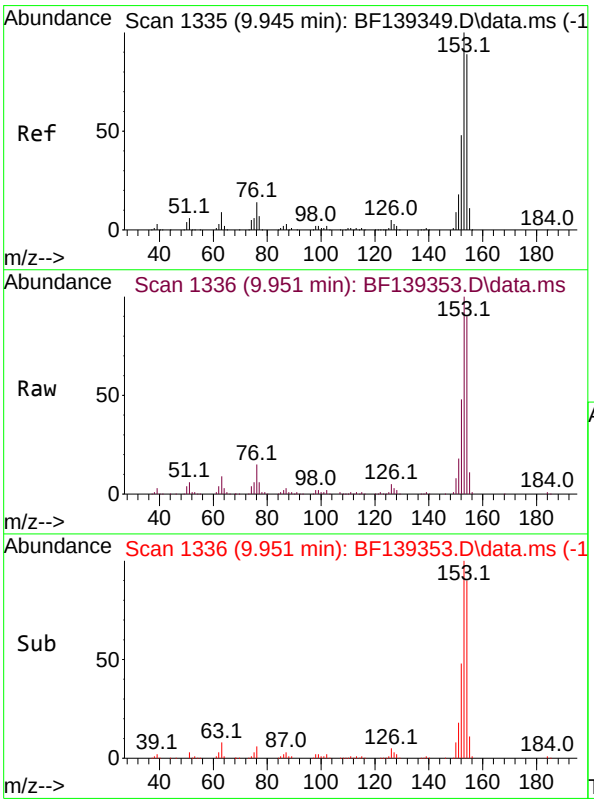

#51
2,6-Dinitrotoluene
Concen: 43.082 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:165 Resp: 77298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 76.7 | 60.9 | 91.3 |
| 89 | 69.1 | 54.7 | 82.1 |

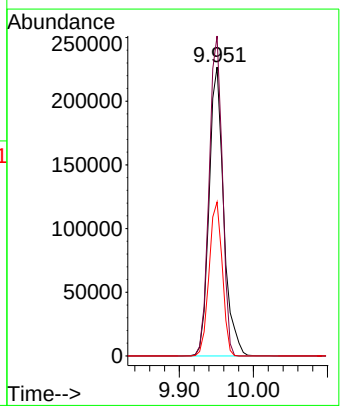


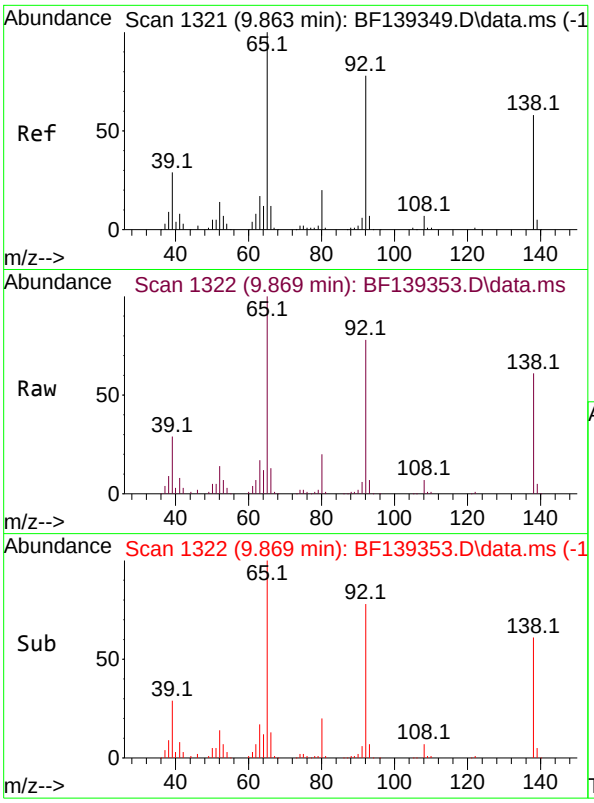




#52
Acenaphthene
Concen: 41.632 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:154 Resp: 310457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.8 | 89.5 | 134.3 |
| 152 | 53.3 | 42.6 | 64.0 |



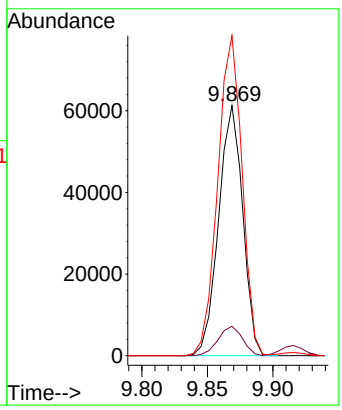


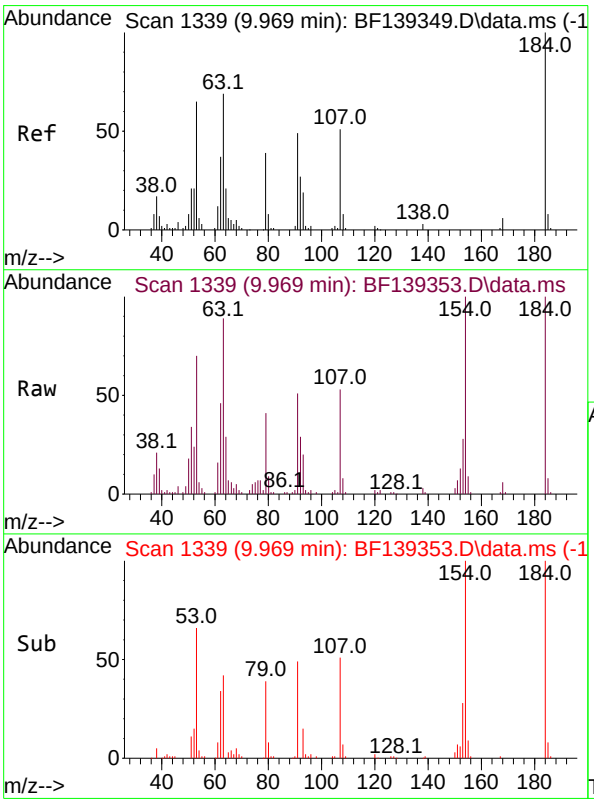

#53
3-Nitroaniline
Concen: 43.619 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:138 Resp: 78213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 9.8 | 14.8 |
| 92 | 128.0 | 107.4 | 161.2 |

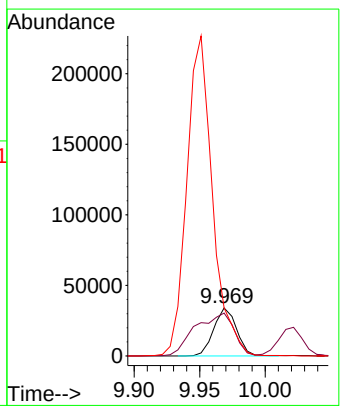


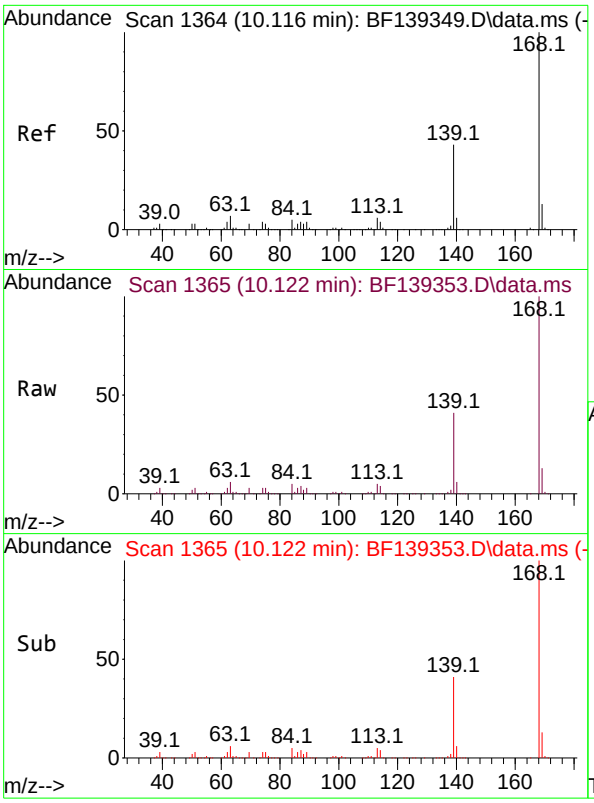




#54
2,4-Dinitrophenol
Concen: 41.271 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:184 Resp: 41262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 89.1 | 69.3 | 103.9 |
| 154 | 99.8 | 67.5 | 101.3 |



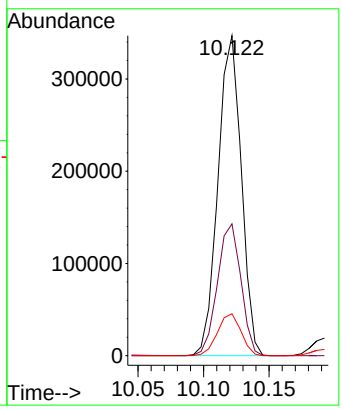


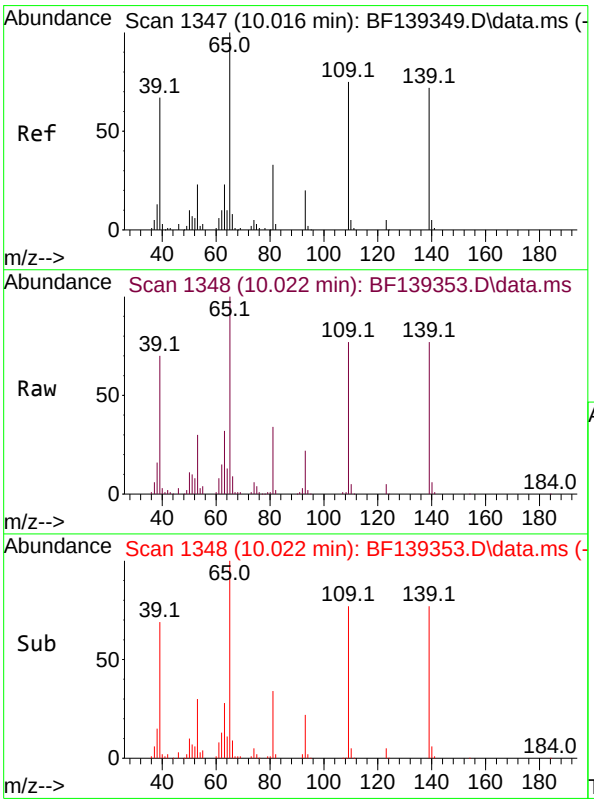

#55
Dibenzofuran
Concen: 41.190 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:168 Resp: 428132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.2 | 34.1 | 51.1 |
| 169 | 13.1 | 10.5 | 15.7 |

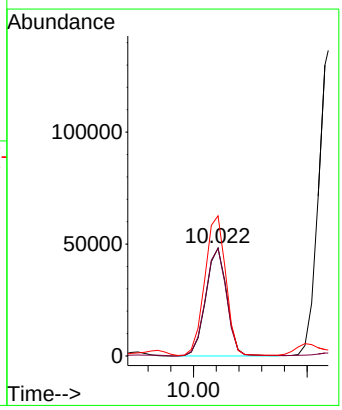


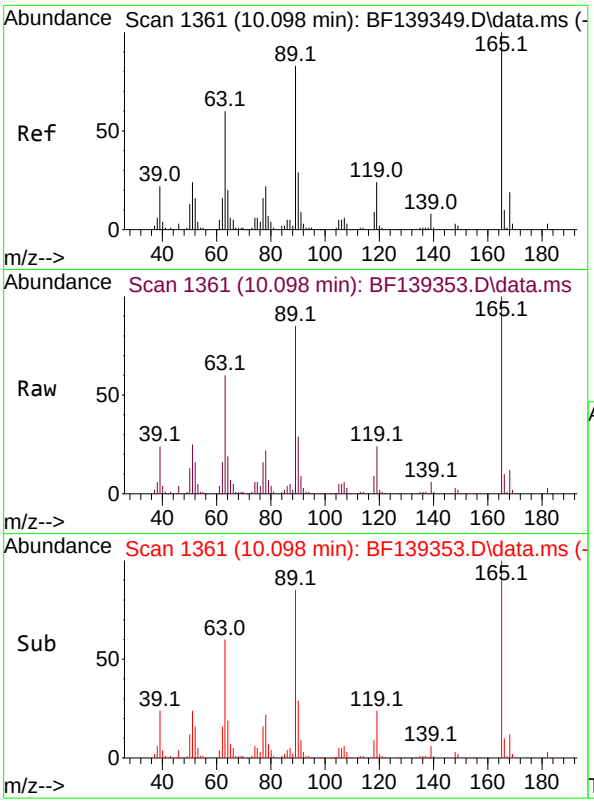




#56
4-Nitrophenol
Concen: 41.679 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:139 Resp: 61840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 99.6 | 84.1 | 124.1 |
| 65 | 129.8 | 120.0 | 160.0 |



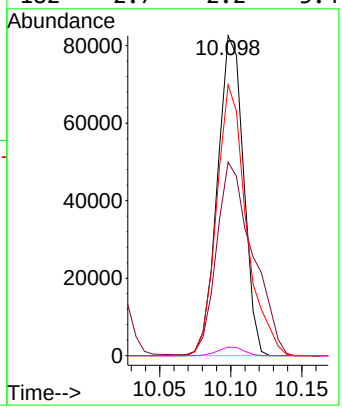


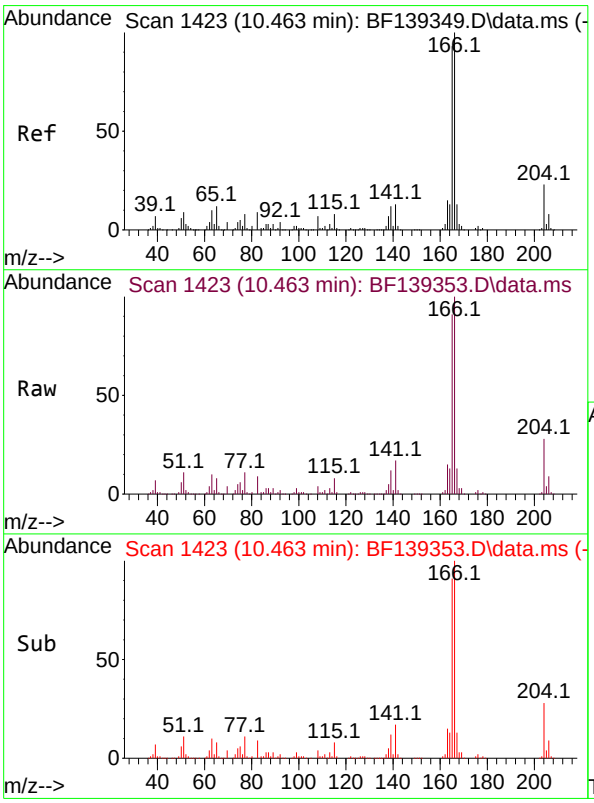

#57
2,4-Dinitrotoluene
Concen: 43.441 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:165 Resp: 105229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.5 | 47.8 | 71.6 |
| 89 | 84.7 | 66.7 | 100.1 |
| 182 | 2.7 | 2.2 | 3.4 |

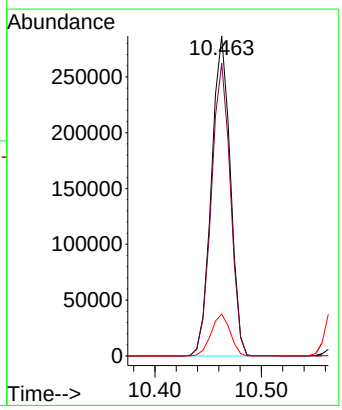


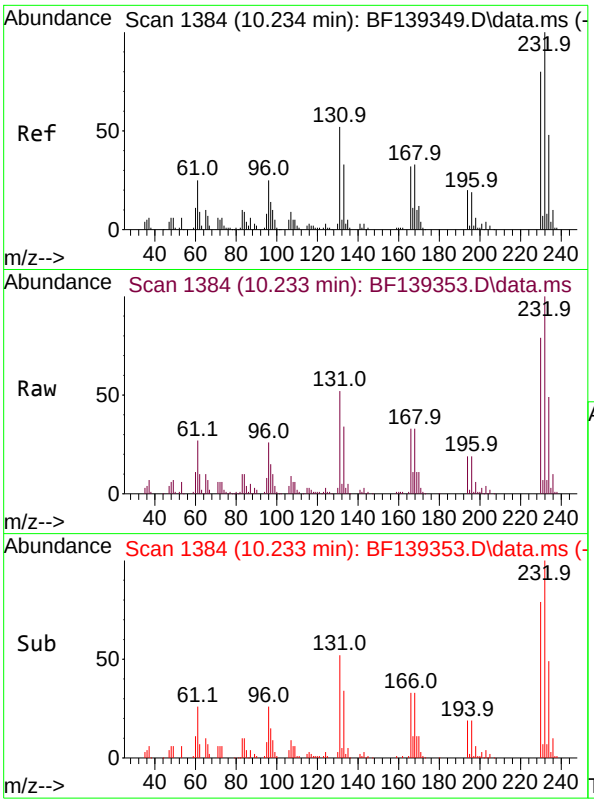




#58
Fluorene
Concen: 41.538 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:166 Resp: 352269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.4 | 74.5 | 111.7 |
| 167 | 13.1 | 10.6 | 16.0 |



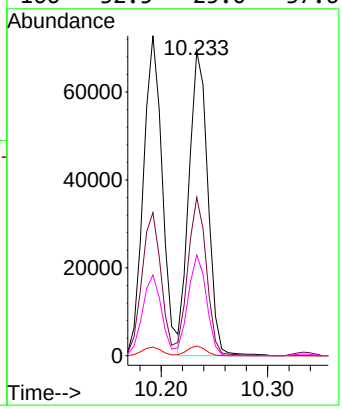


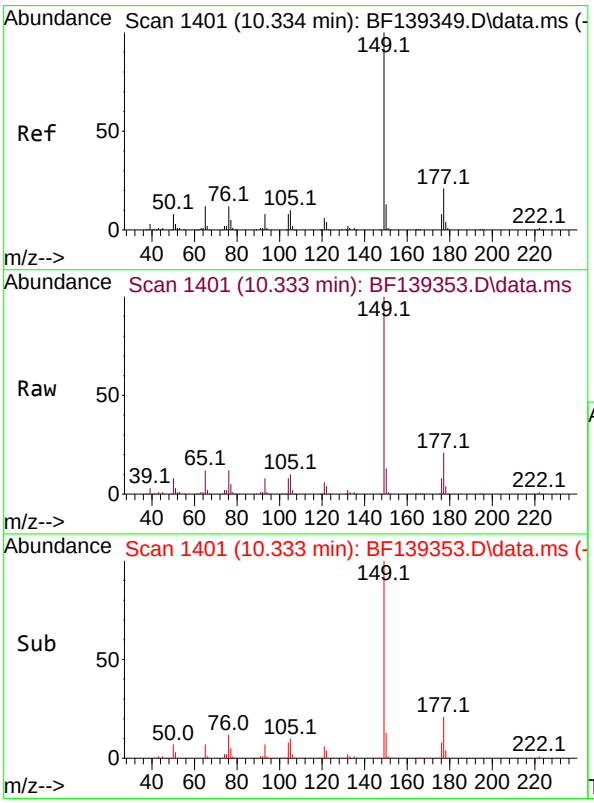

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.958 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:232 Resp: 85035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 51.6 | 40.7 | 61.1 |
| 130 | 3.1 | 2.2 | 3.2 |
| 166 | 32.5 | 25.0 | 37.6 |

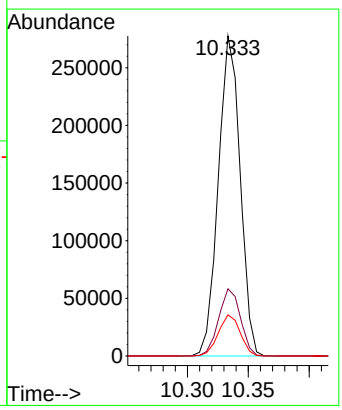


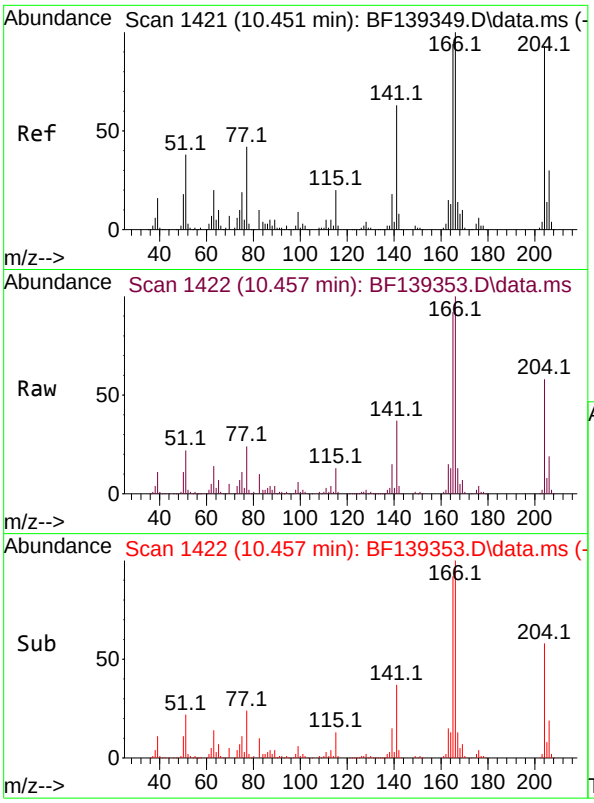




#60
Diethylphthalate
Concen: 41.455 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:149 Resp: 346481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.0 | 16.6 | 24.8 |
| 150 | 12.9 | 10.6 | 15.8 |



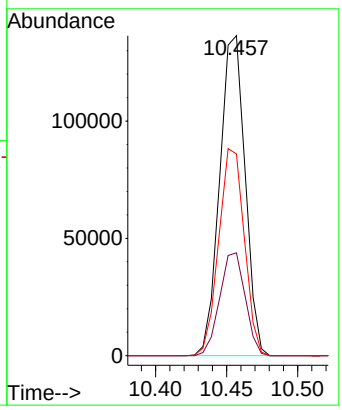


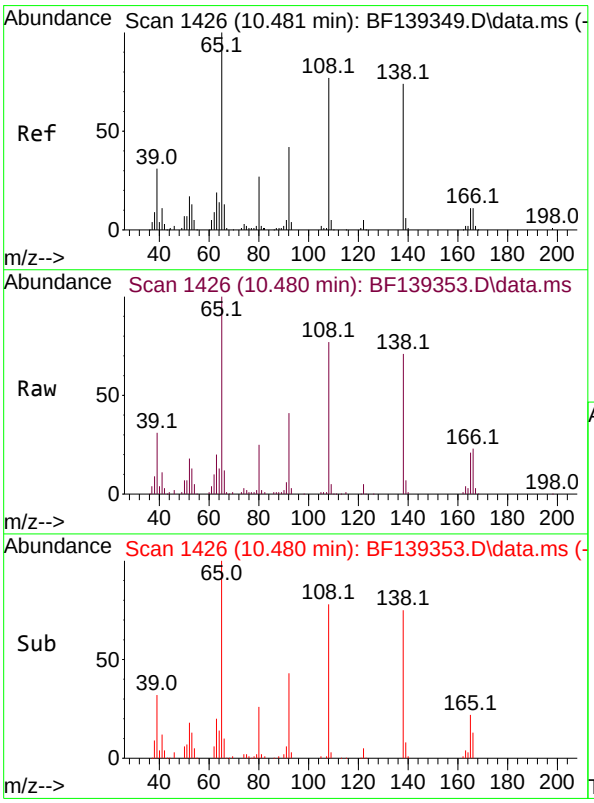

#61
4-Chlorophenyl-phenylether
Concen: 41.227 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:204 Resp: 169915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 26.2 | 39.2 |
| 141 | 63.1 | 53.9 | 80.9 |

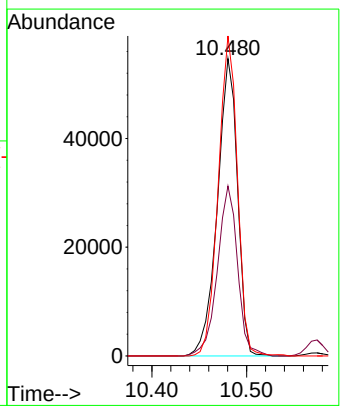


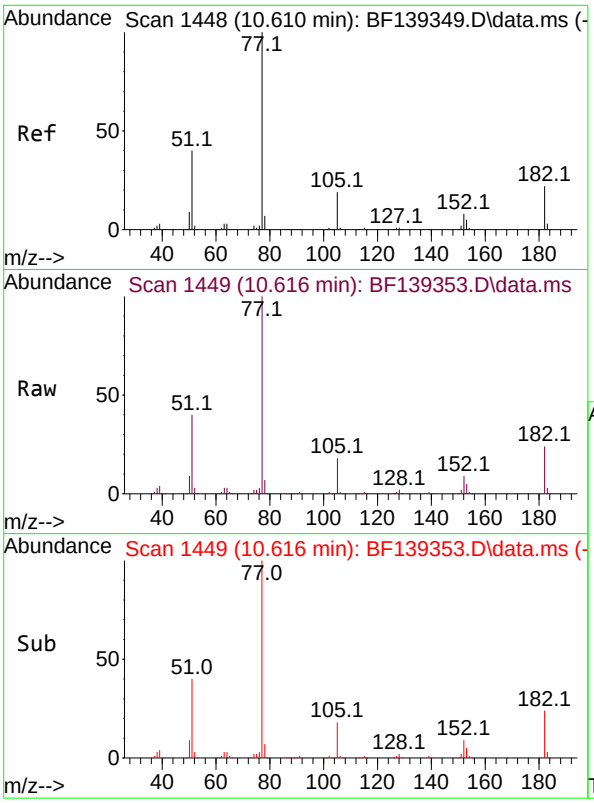




#62
4-Nitroaniline
Concen: 41.297 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:138 Resp: 80817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 57.1 | 37.0 | 77.0 |
| 108 | 107.6 | 84.4 | 124.4 |



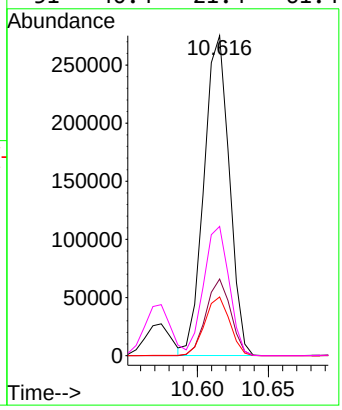


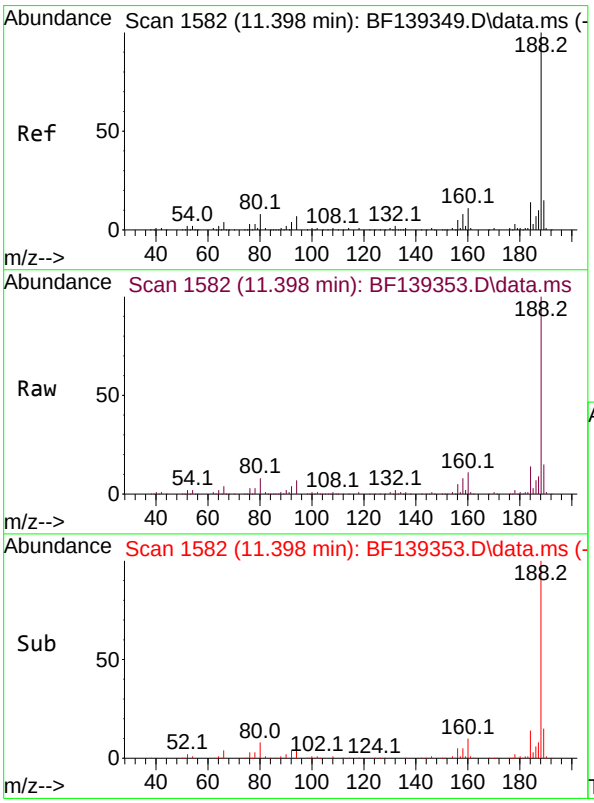

#63
Azobenzene
Concen: 41.589 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion: 77 Resp: 341882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.0 | 1.8 | 41.8 |
| 105 | 18.4 | 0.0 | 38.6 |
| 51 | 40.4 | 21.4 | 61.4 |

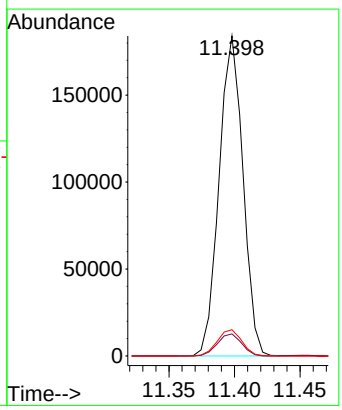


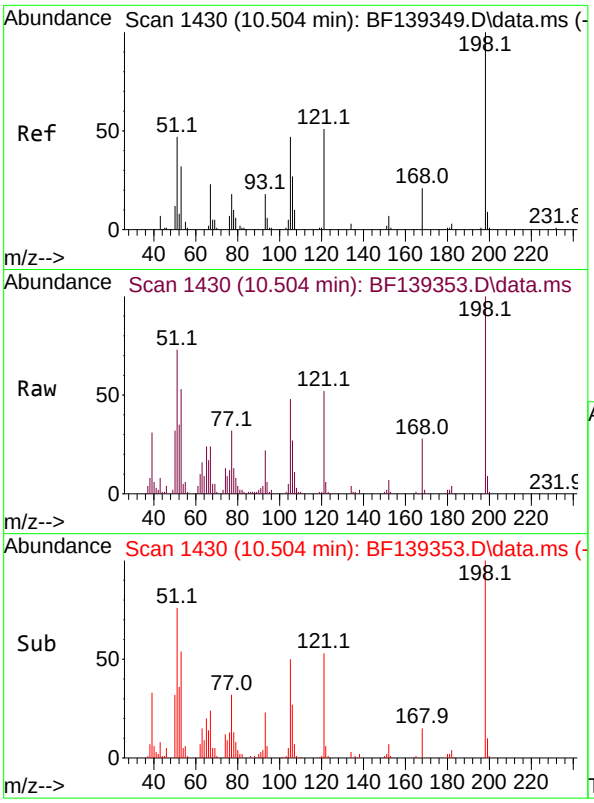




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:188 Resp: 232644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.9 | 5.5 | 8.3 |
| 80 | 8.2 | 6.6 | 9.8 |



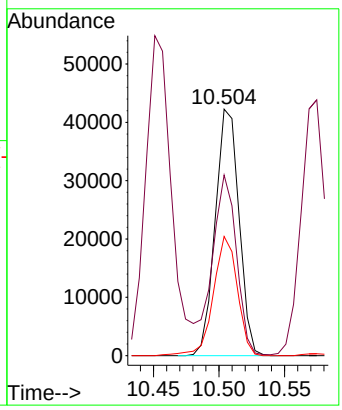


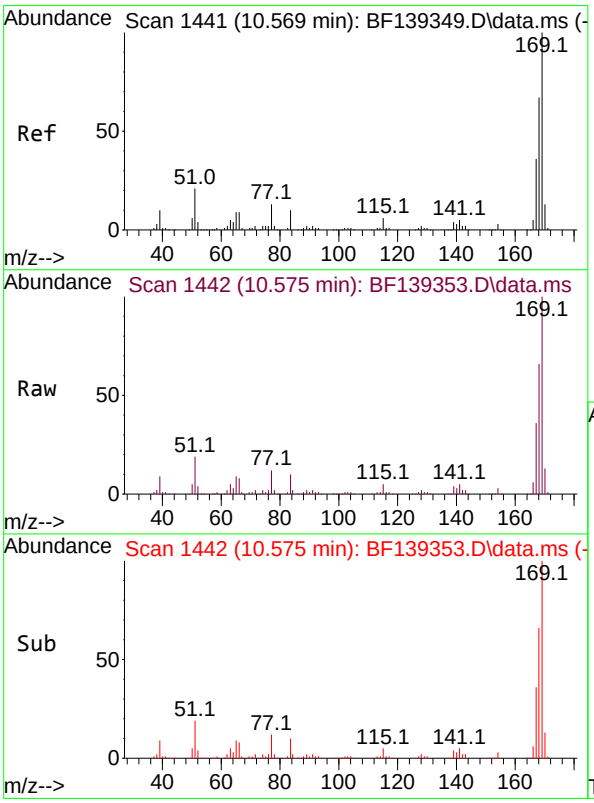

#65
4,6-Dinitro-2-methylphenol
Concen: 43.348 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:198 Resp: 53225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 73.3 | 50.4 | 90.4 |
| 105 | 48.3 | 28.3 | 68.3 |

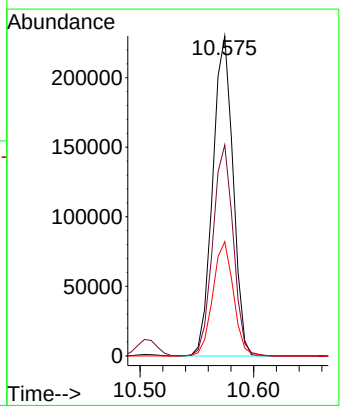


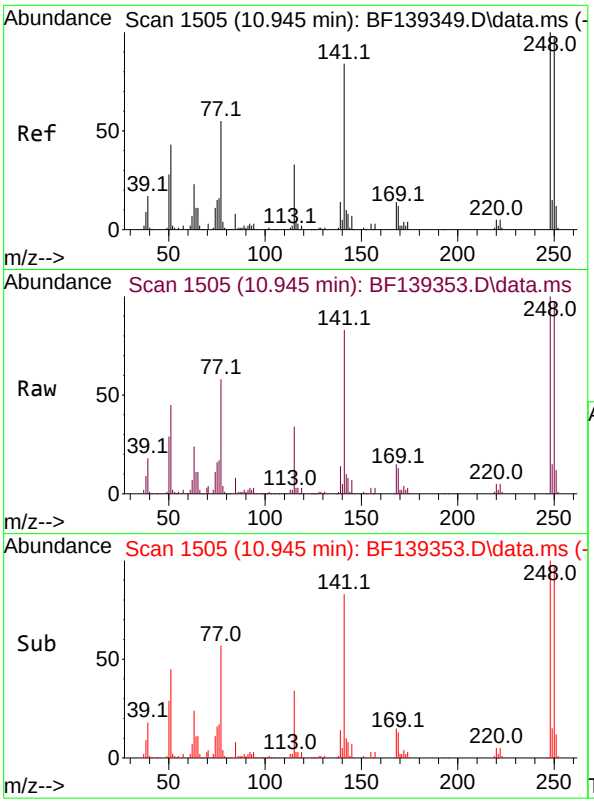




#66
n-Nitrosodiphenylamine
Concen: 41.916 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:169 Resp: 285103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.0 | 53.6 | 80.4 |
| 167 | 35.7 | 28.7 | 43.1 |



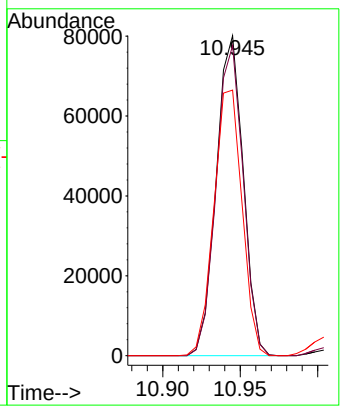


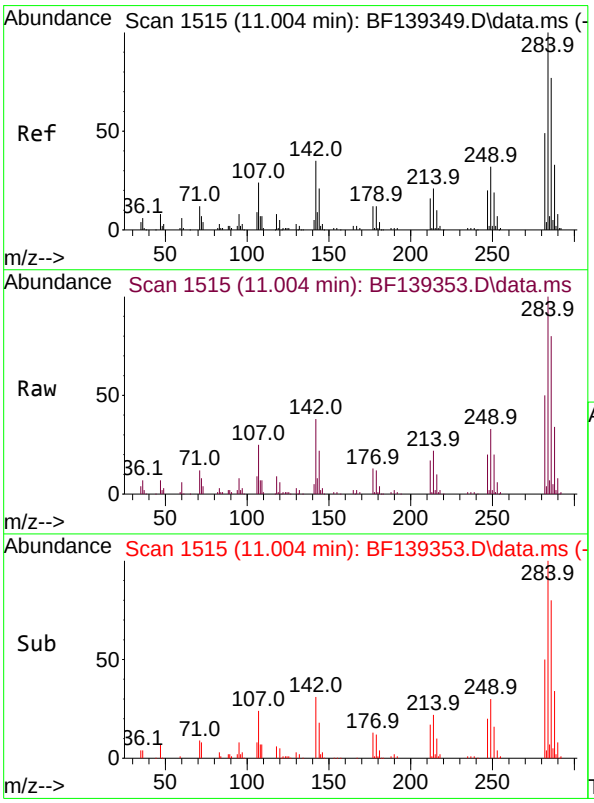

#67
4-Bromophenyl-phenylether
Concen: 42.063 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:248 Resp: 96974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.9 | 77.6 | 116.4 |
| 141 | 83.0 | 66.9 | 100.3 |

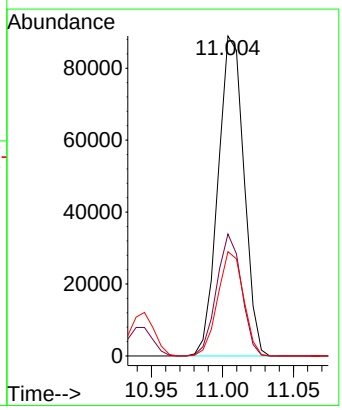


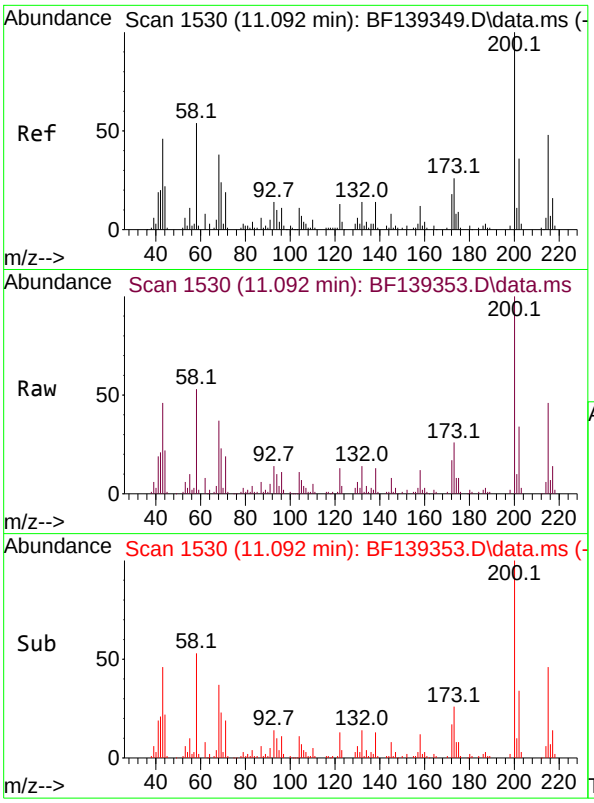




#68
Hexachlorobenzene
Concen: 41.637 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:284 Resp: 112658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.1 | 28.0 | 42.0 |
| 249 | 32.6 | 25.3 | 37.9 |



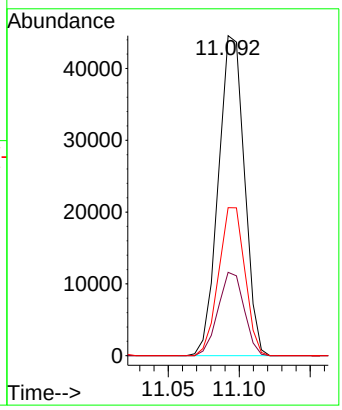


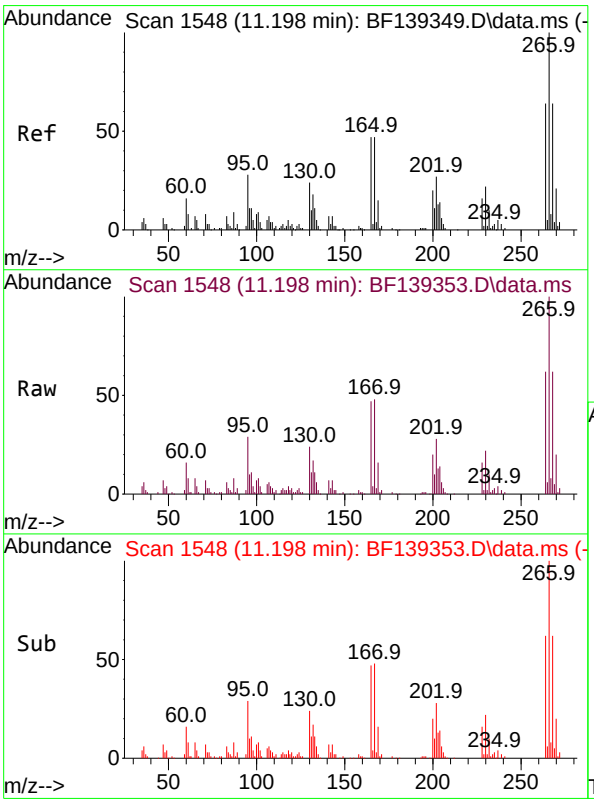

#69
Atrazine
Concen: 35.101 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:200 Resp: 56838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 6.1 | 46.1 |
| 215 | 46.3 | 28.2 | 68.2 |

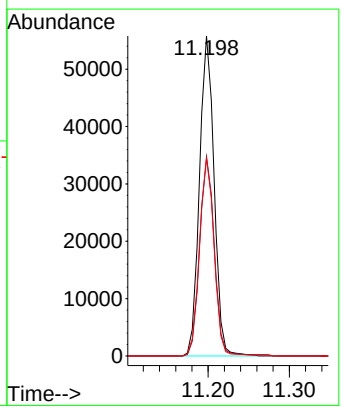


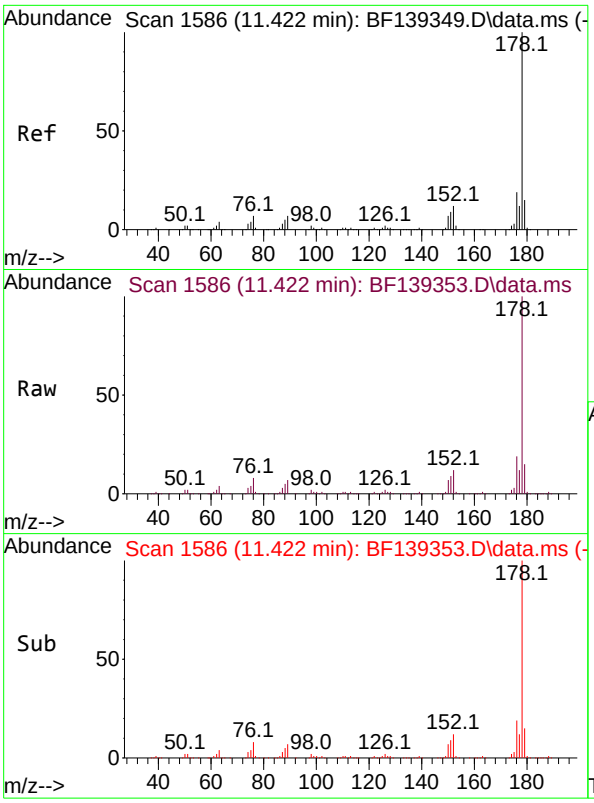




#70
Pentachlorophenol
Concen: 43.112 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:266 Resp: 69995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.2 | 51.1 | 76.7 |
| 264 | 61.8 | 51.4 | 77.0 |



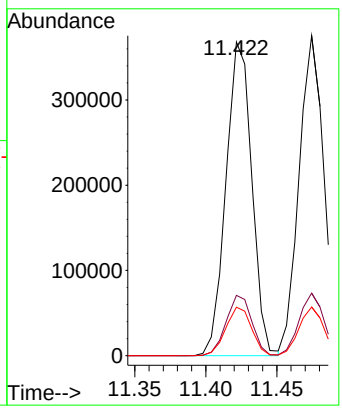


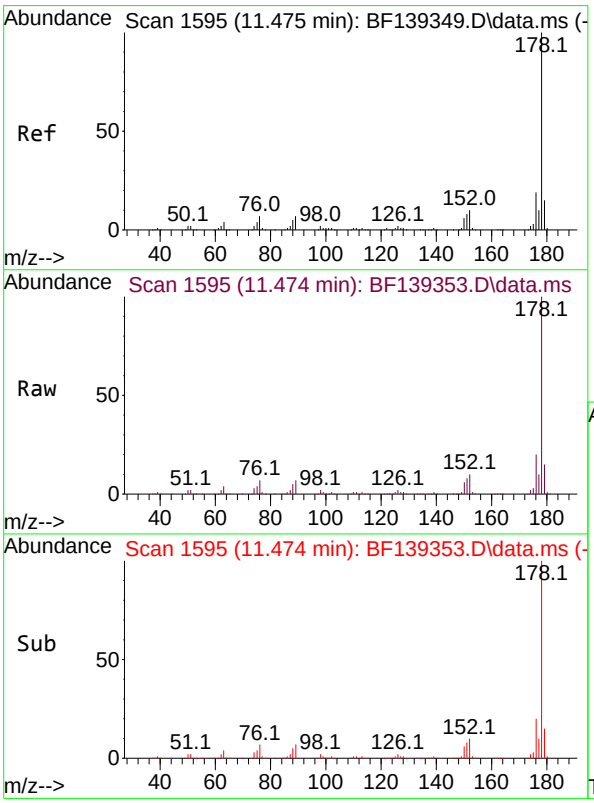

#71
Phenanthrene
Concen: 41.537 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:178 Resp: 466219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.2 | 22.8 |
| 179 | 15.5 | 12.2 | 18.4 |

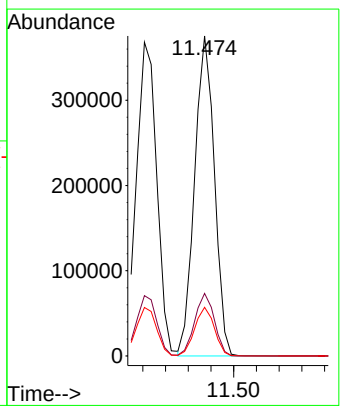


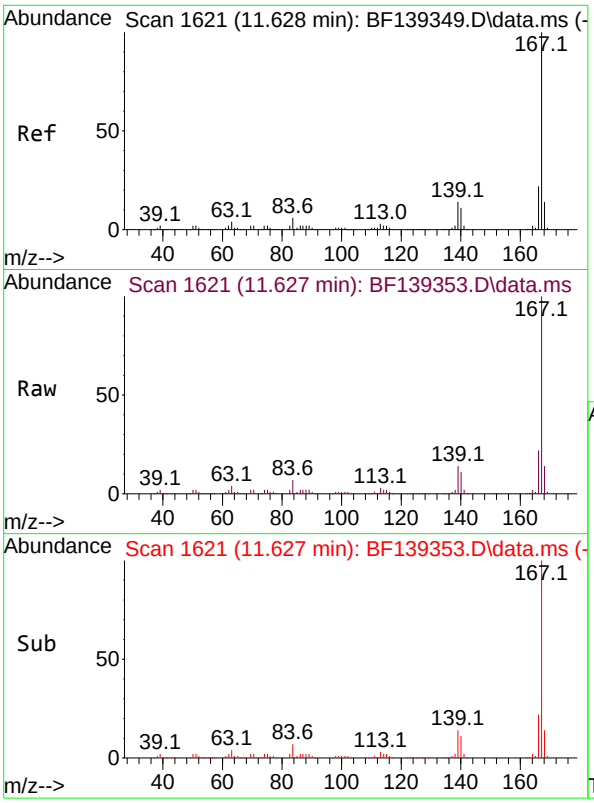




#72
Anthracene
Concen: 41.446 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:178 Resp: 454834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.0 | 22.6 |
| 179 | 15.2 | 12.0 | 18.0 |



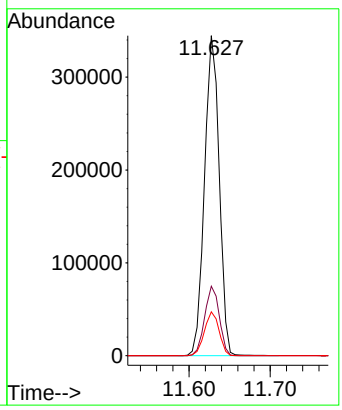


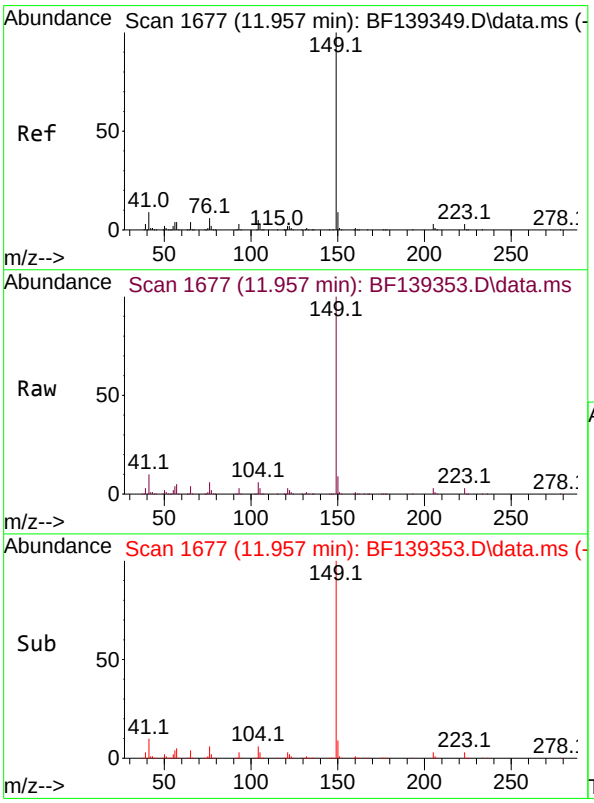

#73
Carbazole
Concen: 41.161 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:167 Resp: 432323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.5 | 26.3 |
| 139 | 13.7 | 10.9 | 16.3 |

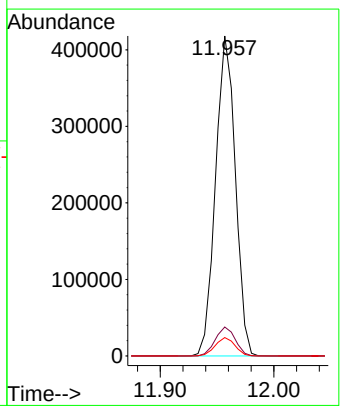


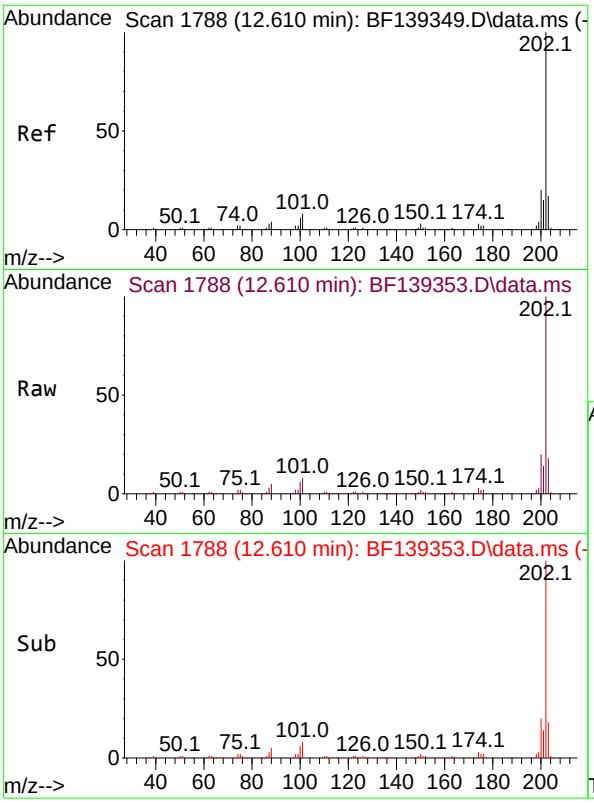




#74
Di-n-butylphthalate
Concen: 43.260 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:149 Resp: 506151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 5.8 | 4.3 | 6.5 |



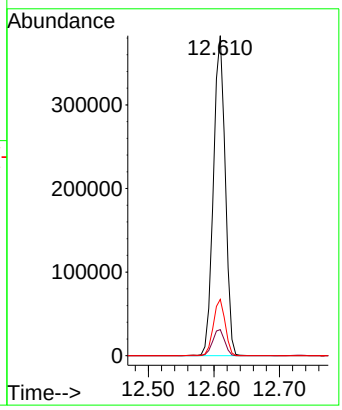


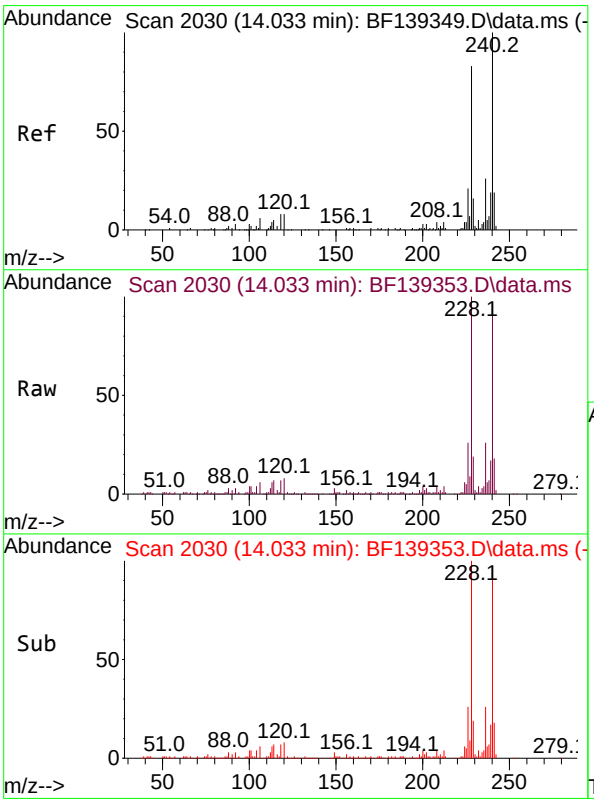

#75
Fluoranthene
Concen: 39.911 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:202 Resp: 478394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 27.7 |
| 203 | 17.6 | 0.0 | 37.4 |

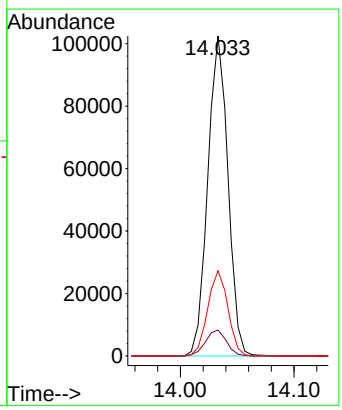


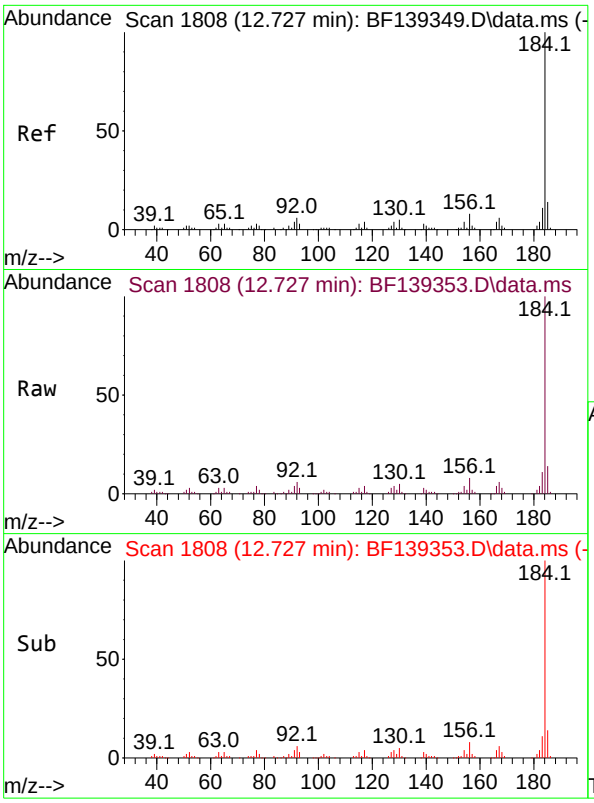




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:240 Resp: 126339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.1 | 6.2 | 9.2 |
| 236 | 26.6 | 20.9 | 31.3 |



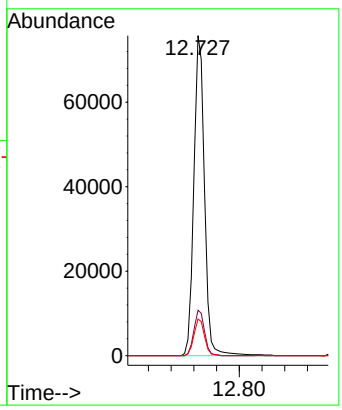


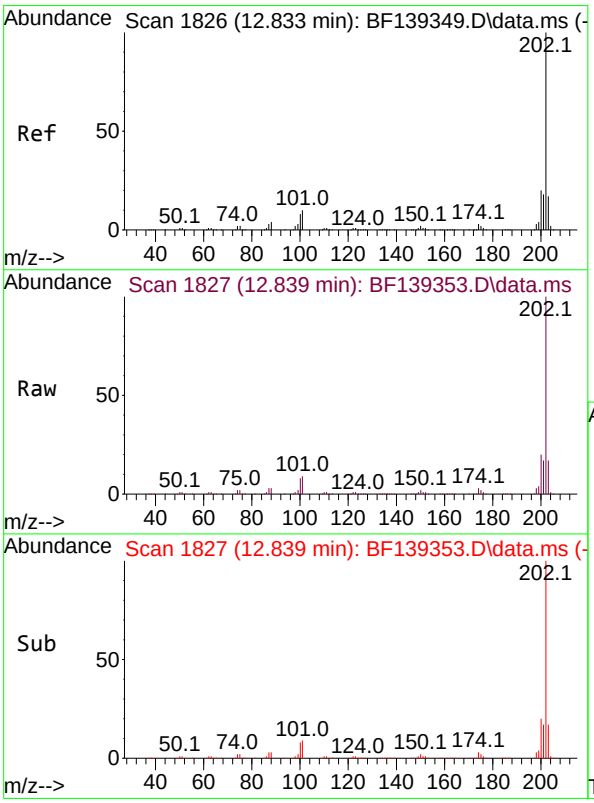

#77
Benzidine
Concen: 54.902 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:184 Resp: 99376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.5 | 17.3 |
| 183 | 11.5 | 8.9 | 13.3 |

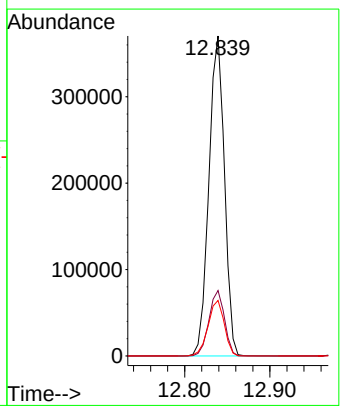


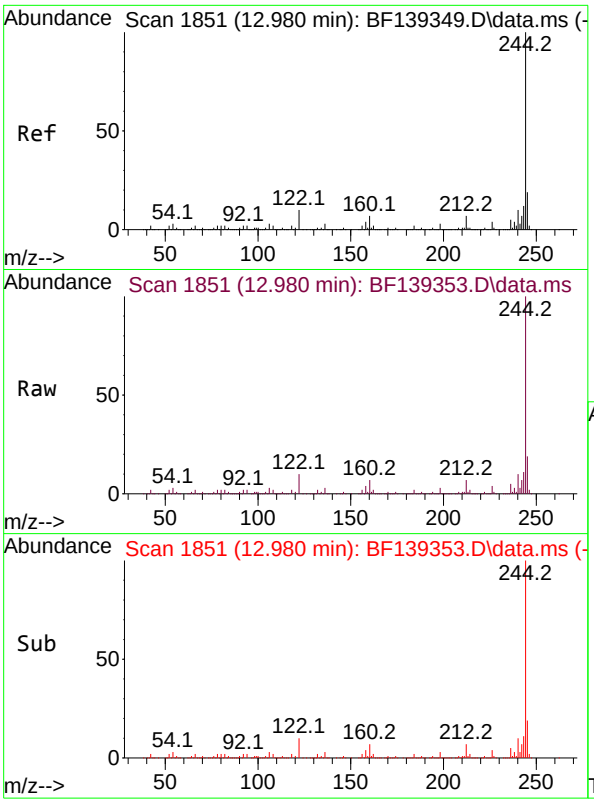




#78
Pyrene
Concen: 43.433 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:202 Resp: 471161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.2 | 24.2 |
| 203 | 17.4 | 13.9 | 20.9 |



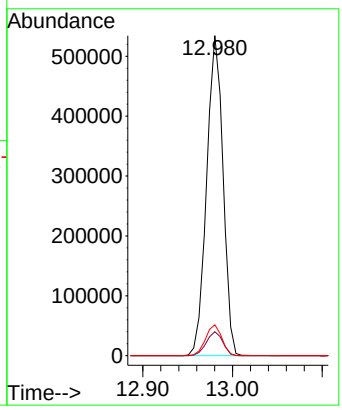


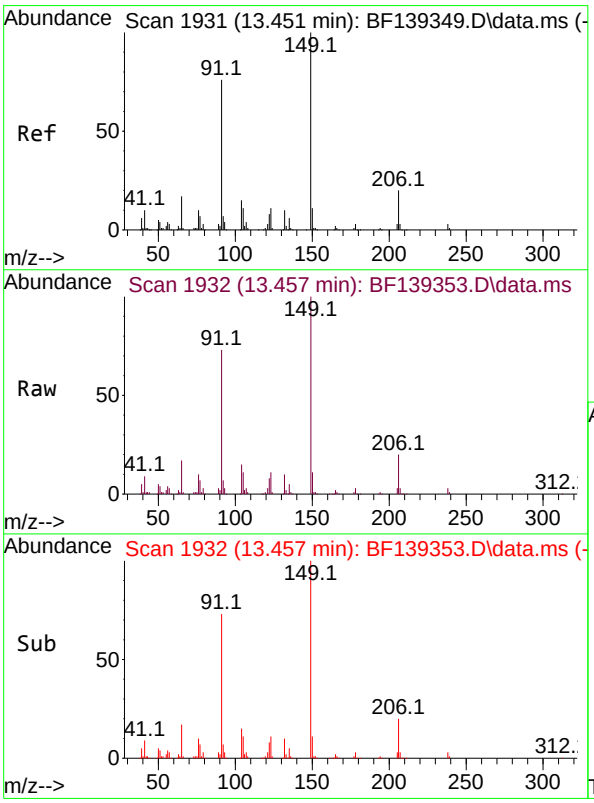

#79
Terphenyl-d14
Concen: 87.992 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:244 Resp: 677284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 9.6 | 7.6 | 11.4 |

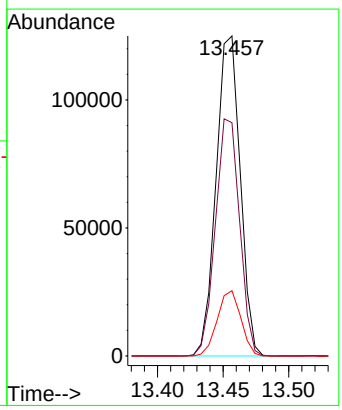


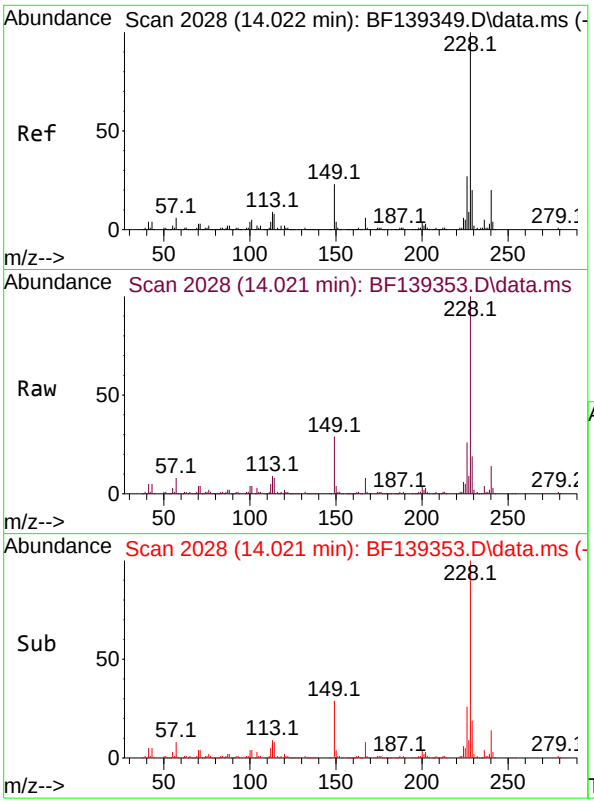




#80
Butylbenzylphthalate
Concen: 43.319 ng
RT: 13.457 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:149 Resp: 159953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.9 | 60.9 | 91.3 |
| 206 | 20.4 | 15.8 | 23.8 |



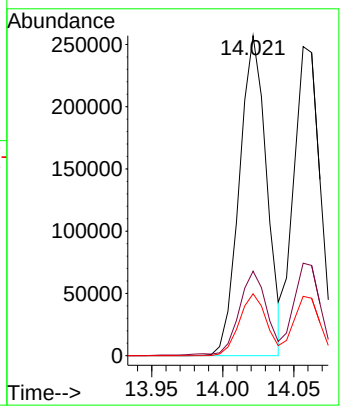


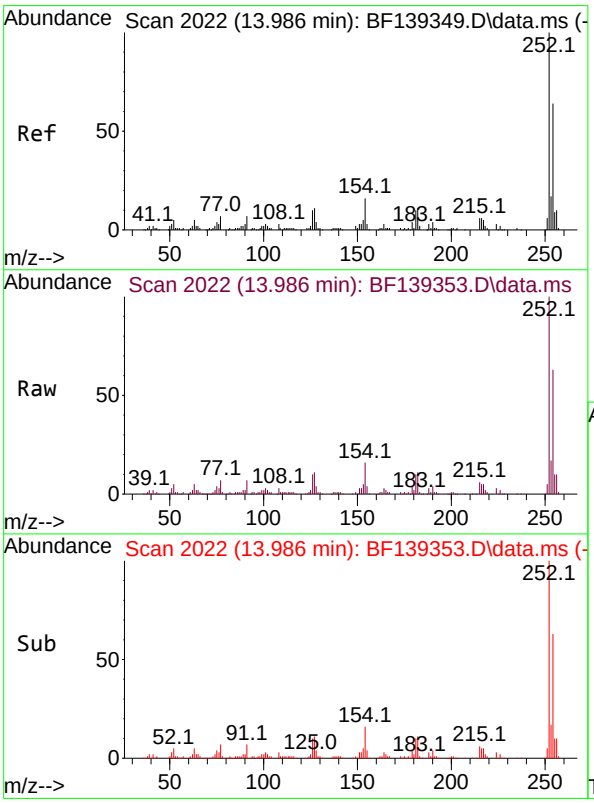

#81
Benzo(a)anthracene
Concen: 40.958 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:228 Resp: 342764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.6 | 32.4 |
| 229 | 19.4 | 15.7 | 23.5 |

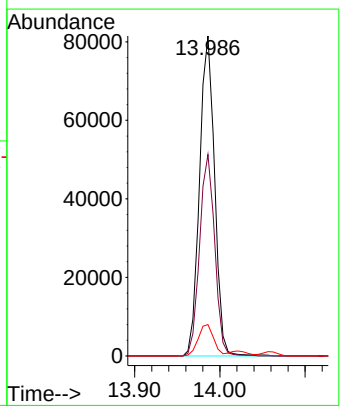


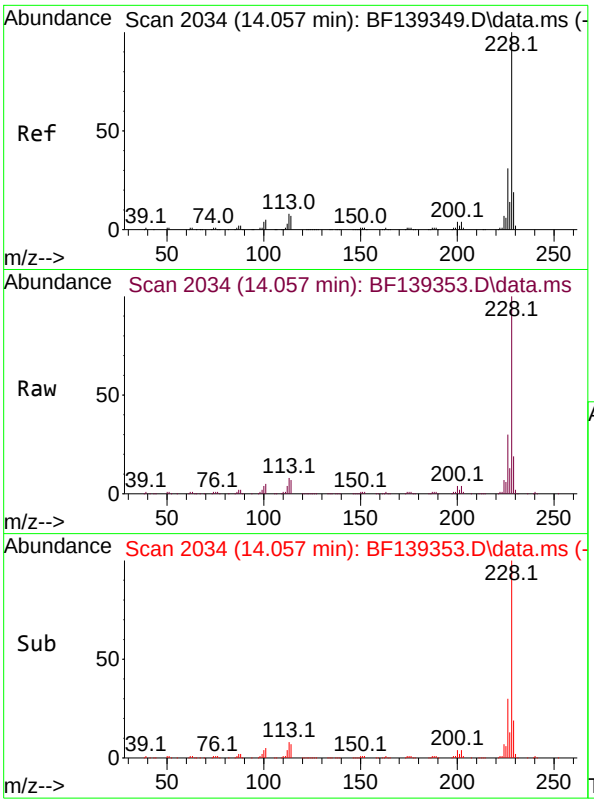




#82
3,3'-Dichlorobenzidine
Concen: 40.924 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:252 Resp: 100295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.0 | 51.4 | 77.2 |
| 126 | 9.8 | 7.7 | 11.5 |



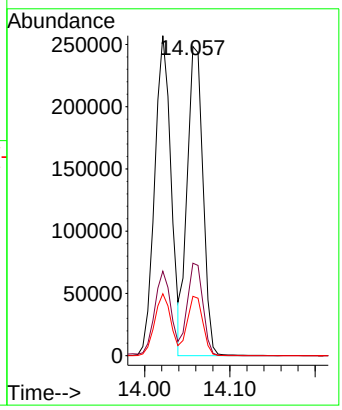


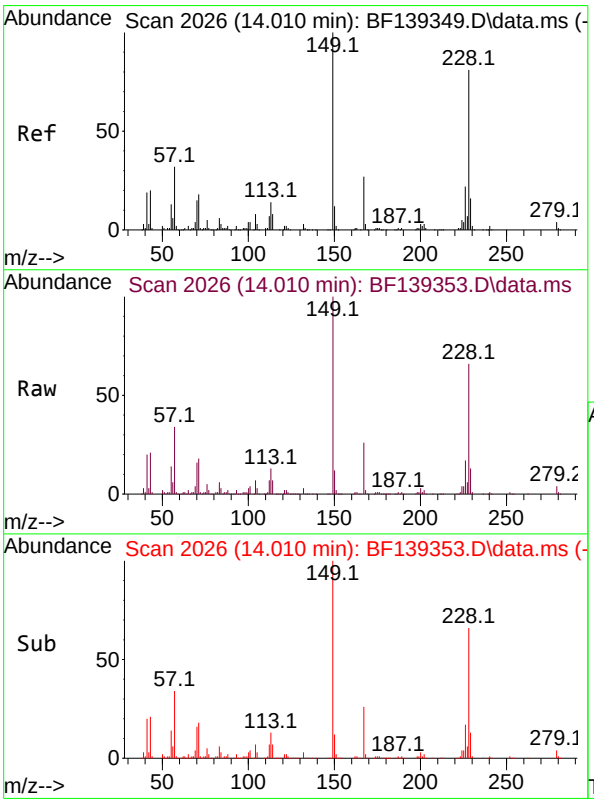

#83
Chrysene
Concen: 41.606 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:228 Resp: 320335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.1 | 36.1 |
| 229 | 19.2 | 15.4 | 23.0 |

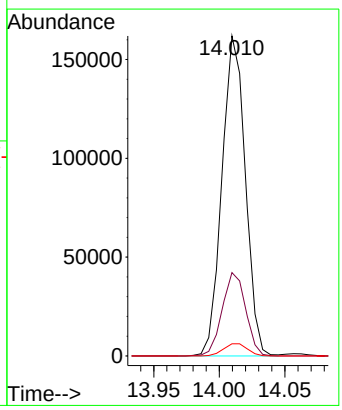


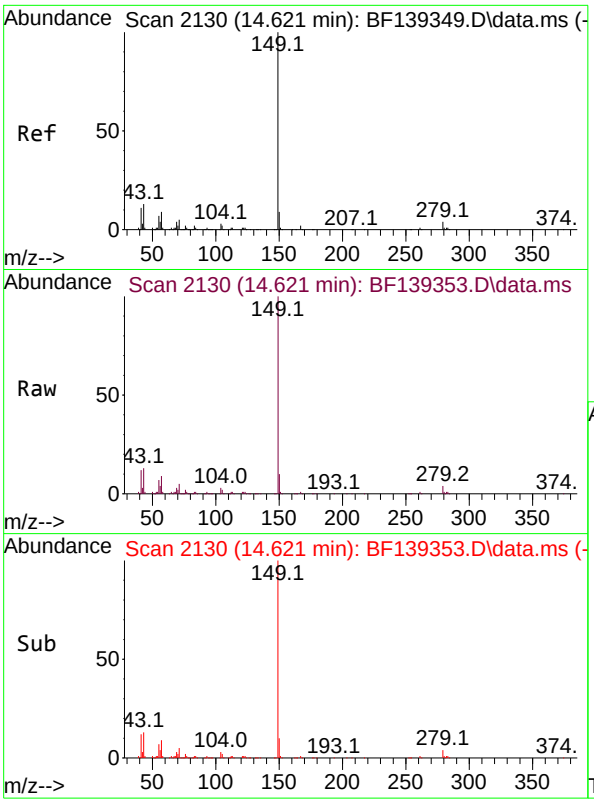




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.807 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:149 Resp: 201075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.1 | 21.6 | 32.4 |
| 279 | 3.8 | 3.3 | 4.9 |



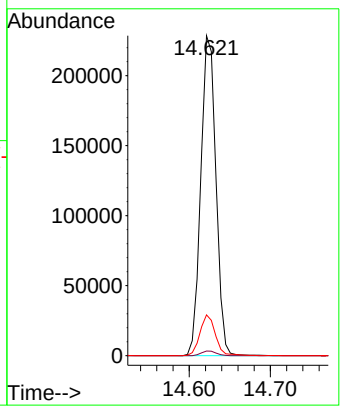


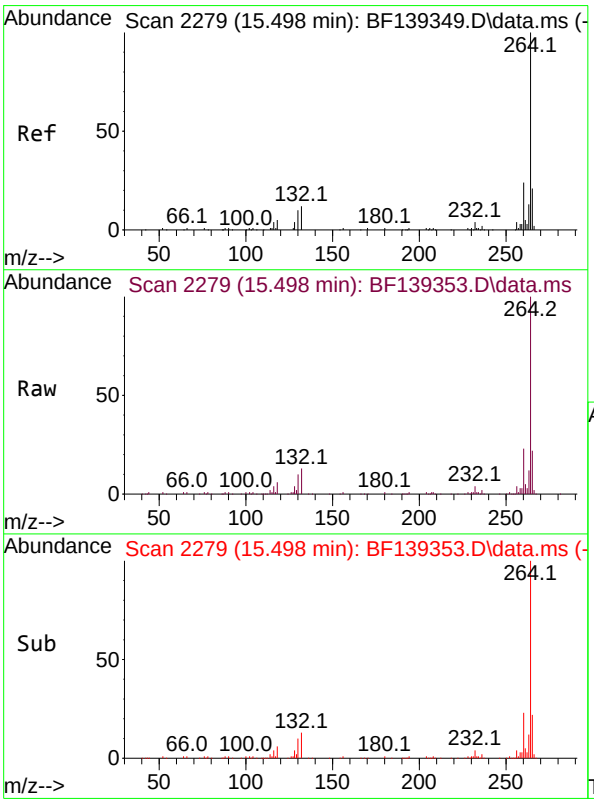

#85
Di-n-octyl phthalate
Concen: 42.744 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:149 Resp: 295691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.2 | 1.8 |
| 43 | 13.1 | 10.6 | 16.0 |

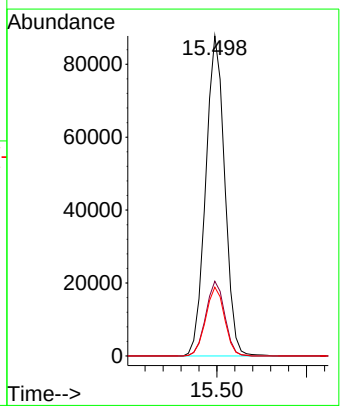


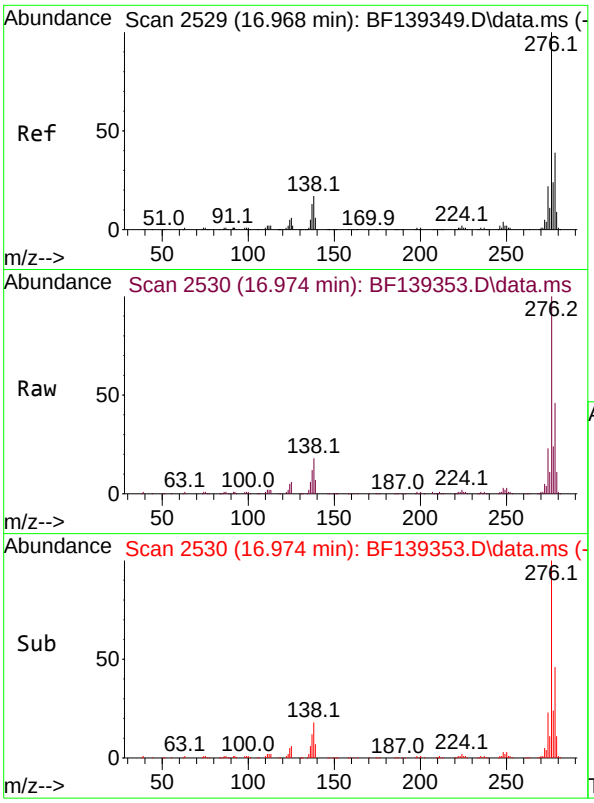




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:264 Resp: 129089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.5 | 29.3 |
| 265 | 21.5 | 16.6 | 25.0 |



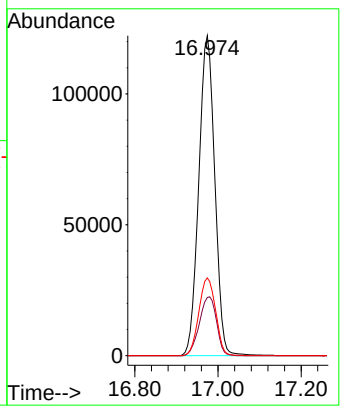


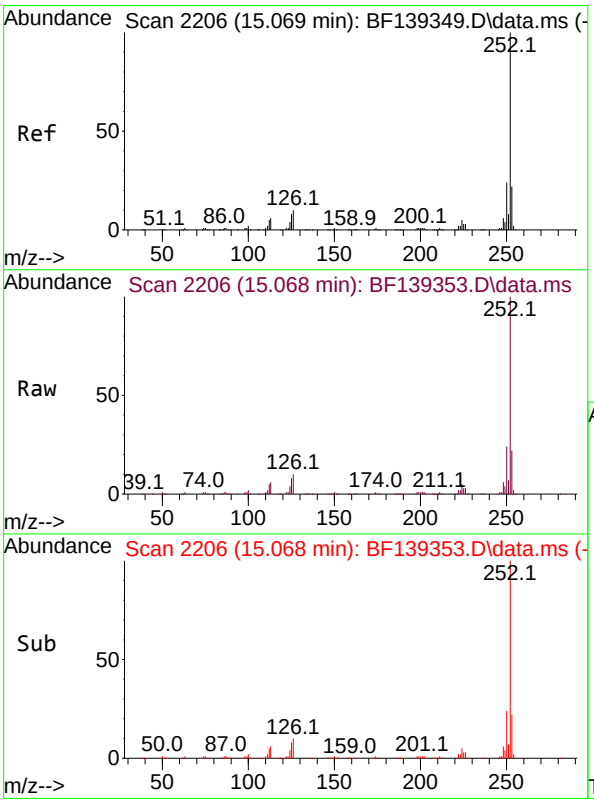

#87
Indeno(1,2,3-cd)pyrene
Concen: 42.725 ng
RT: 16.974 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:276 Resp: 327960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.6 | 15.4 | 23.2 |
| 277 | 25.3 | 20.4 | 30.6 |

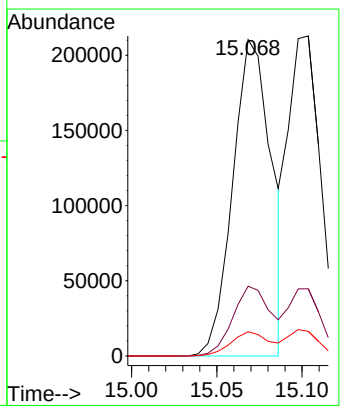


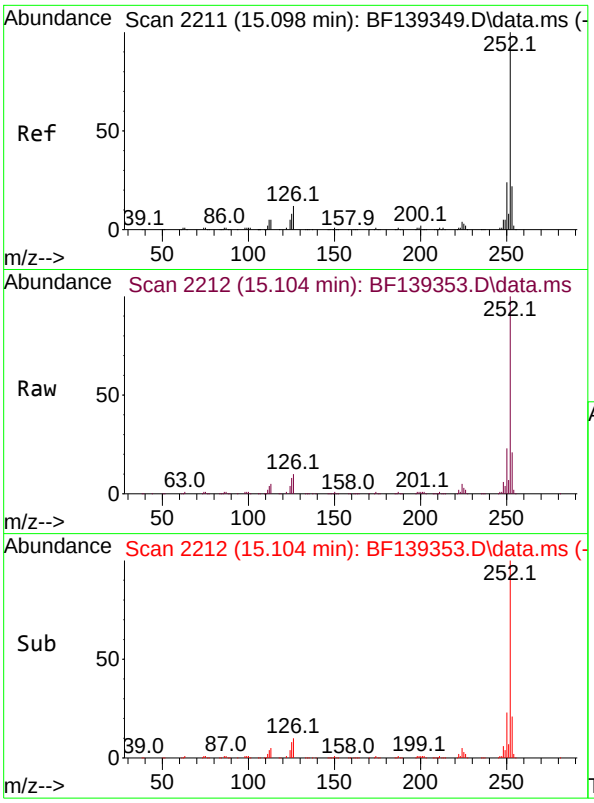




#88
Benzo(b)fluoranthene
Concen: 41.652 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:252 Resp: 331607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |



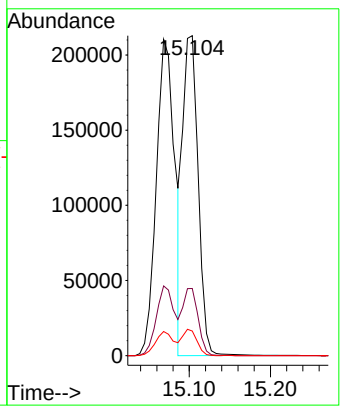


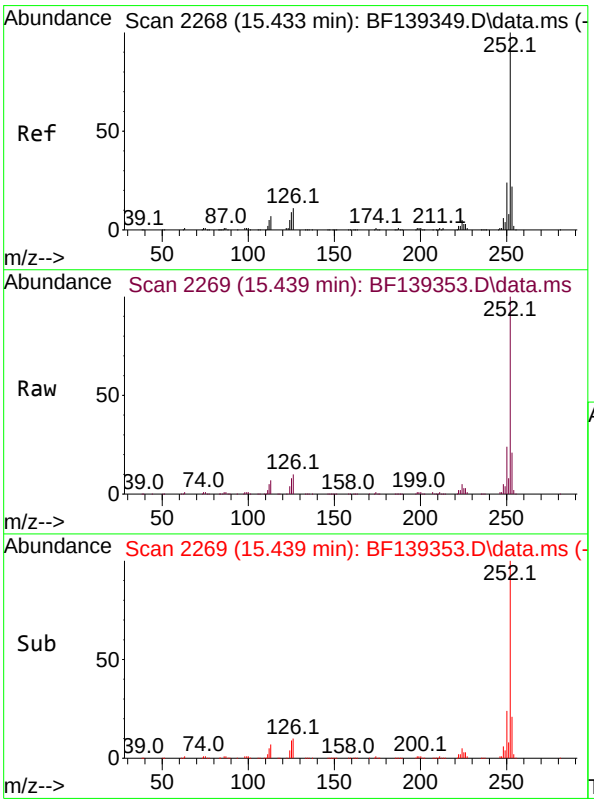

#89
Benzo(k)fluoranthene
Concen: 38.351 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:252 Resp: 281522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.3 | 25.9 |
| 125 | 7.7 | 5.9 | 8.9 |

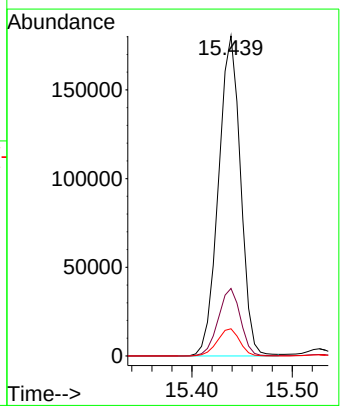


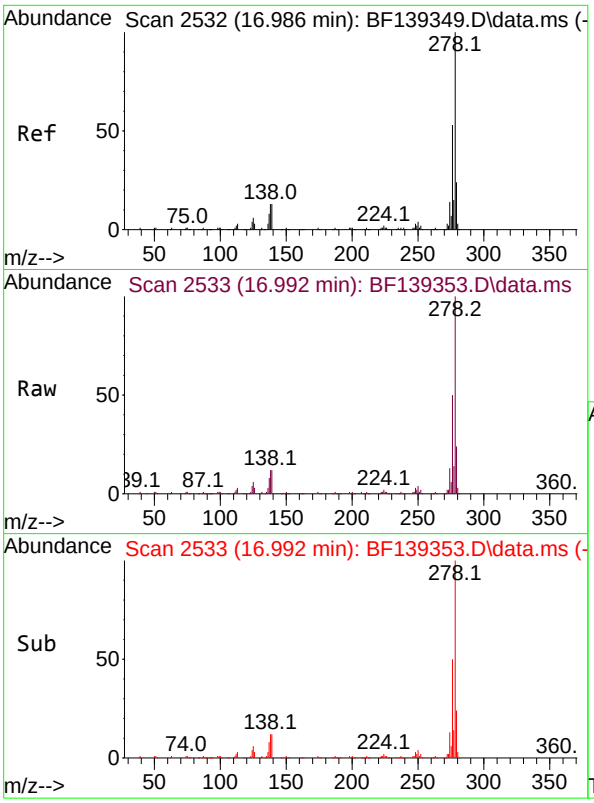




#90
Benzo(a)pyrene
Concen: 41.792 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:252 Resp: 275944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.3 | 25.9 |
| 125 | 8.5 | 6.8 | 10.2 |



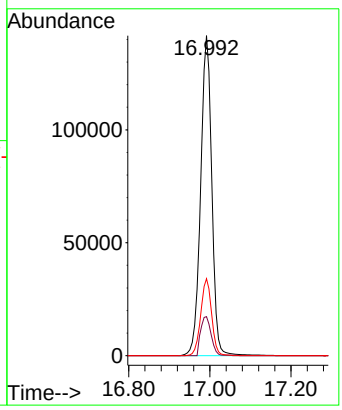


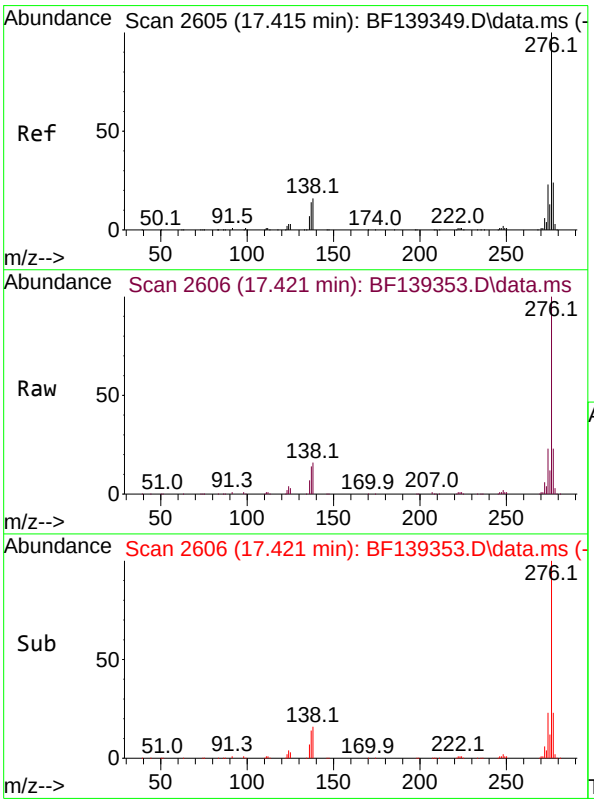

#91
Dibenzo(a,h)anthracene
Concen: 42.761 ng
RT: 16.992 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Tgt Ion:278 Resp: 271229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.2 | 10.2 | 15.2 |
| 279 | 24.0 | 18.9 | 28.3 |

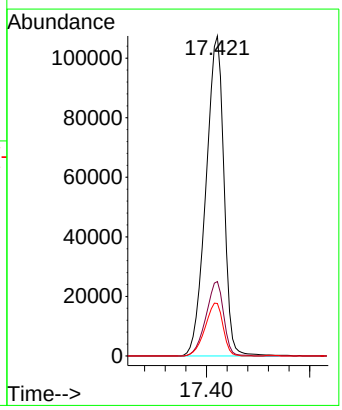



#92
Benzo(g,h,i)perylene
Concen: 41.259 ng
RT: 17.421 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF139353.D
Acq: 13 Sep 2024 20:41

Tgt Ion:276 Resp: 259119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.9 | 28.3 |
| 138 | 16.4 | 13.0 | 19.6 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 118 | 0.00 |
| 2 | | 1,4-Dioxane | 0.492 | 0.481 | 2.2 | 115 | 0.00 |
| 3 | | Pyridine | 1.084 | 1.168 | -7.7 | 126 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.940 | 0.954 | -1.5 | 120 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.226 | 1.233 | -0.6 | 120 | 0.00 |
| 6 | | Aniline | 1.214 | 1.354 | -11.5 | 134 | -0.02 |
| 7 | S | Phenol-d6 | 1.609 | 1.632 | -1.4 | 121 | 0.00 |
| 8 | | 2-Chlorophenol | 1.262 | 1.301 | -3.1 | 124 | 0.00 |
| 9 | | Benzaldehyde | 0.930 | 0.985 | -5.9 | 140 | 0.00 |
| 10 | C | Phenol | 1.639 | 1.704 | -4.0 | 125 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.246 | 1.176 | 5.6 | 123 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.444 | -0.6 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.450 | 1.460 | -0.7 | 121 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.370 | 1.405 | -2.6 | 124 | 0.00 |
| 15 | | Benzyl Alcohol | 1.284 | 1.325 | -3.2 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.920 | 1.978 | -3.0 | 125 | 0.00 |
| 17 | | 2-Methylphenol | 1.003 | 1.012 | -0.9 | 122 | 0.00 |
| 18 | | Hexachloroethane | 0.552 | 0.569 | -3.1 | 124 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.954 | 0.986 | -3.4 | 124 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.368 | 1.396 | -2.0 | 122 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 0.523 | 0.538 | -2.9 | 123 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.425 | 0.448 | -5.4 | 125 | 0.00 |
| 24 | | Nitrobenzene | 0.438 | 0.456 | -4.1 | 124 | 0.00 |
| 25 | | Isophorone | 0.673 | 0.696 | -3.4 | 125 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.186 | -8.8 | 126 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.225 | 0.236 | -4.9 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.383 | 0.401 | -4.7 | 128 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.286 | 0.301 | -5.2 | 126 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.333 | 0.344 | -3.3 | 124 | 0.00 |
| 31 | | Naphthalene | 1.044 | 1.082 | -3.6 | 124 | 0.00 |
| 32 | | Benzoic acid | 0.211 | 0.233 | -10.4 | 130 | 0.01 |
| 33 | | 4-Chloroaniline | 0.319 | 0.348 | -9.1 | 127 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.226 | 0.234 | -3.5 | 124 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.091 | -3.4 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.340 | -4.0 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.663 | 0.674 | -1.7 | 122 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.651 | 0.668 | -2.6 | 124 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.593 | 0.616 | -3.9 | 125 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.207 | 0.212 | -2.4 | 116 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.213 | 0.222 | -4.2 | 121 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.386 | 0.405 | -4.9 | 120 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.407 | 0.431 | -5.9 | 124 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.426 | 1.464 | -2.7 | 123 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.539 | 1.578 | -2.5 | 122 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.150 | 1.191 | -3.6 | 123 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 0.428 | 0.457 | -6.8 | 125 | 0.00 |
| 49 | | Acenaphthylene | 1.732 | 1.778 | -2.7 | 123 | 0.00 |
| 50 | | Dimethylphthalate | 1.313 | 1.343 | -2.3 | 121 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.291 | 0.313 | -7.6 | 125 | 0.00 |
| 52 | C | Acenaphthene | 1.209 | 1.258 | -4.1 | 122 | 0.00 |
| 53 | | 3-Nitroaniline | 0.291 | 0.317 | -8.9 | 124 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.167 | -3.1 | 117 | 0.00 |
| 55 | | Dibenzofuran | 1.685 | 1.735 | -3.0 | 122 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.240 | 0.251 | -4.6 | 118 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.393 | 0.426 | -8.4 | 123 | 0.00 |
| 58 | | Fluorene | 1.375 | 1.427 | -3.8 | 121 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.336 | 0.345 | -2.7 | 120 | 0.00 |
| 60 | | Diethylphthalate | 1.355 | 1.404 | -3.6 | 122 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.668 | 0.688 | -3.0 | 122 | 0.00 |
| 62 | | 4-Nitroaniline | 0.317 | 0.327 | -3.2 | 118 | 0.00 |
| 63 | | Azobenzene | 1.332 | 1.385 | -4.0 | 122 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.114 | -7.5 | 118 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.585 | 0.613 | -4.8 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.198 | 0.208 | -5.1 | 121 | 0.00 |
| 68 | | Hexachlorobenzene | 0.233 | 0.242 | -3.9 | 119 | 0.00 |
| 69 | | Atrazine | 0.139 | 0.122 | 12.2 | 121 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.150 | -7.1 | 120 | 0.00 |
| 71 | | Phenanthrene | 0.965 | 1.002 | -3.8 | 120 | 0.00 |
| 72 | | Anthracene | 0.943 | 0.978 | -3.7 | 119 | 0.00 |
| 73 | | Carbazole | 0.903 | 0.929 | -2.9 | 118 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.006 | 1.088 | -8.2 | 121 | 0.00 |
| 75 | C | Fluoranthene | 1.030 | 1.028 | 0.2 | 114 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 77 | | Benzidine | 0.287 | 0.393 | -36.9# | 118 | 0.00 |
| 78 | | Pyrene | 1.717 | 1.865 | -8.6 | 112 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.218 | 1.340 | -10.0 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.585 | 0.633 | -8.2 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.325 | 1.357 | -2.4 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.388 | 0.397 | -2.3 | 122 | 0.00 |
| 83 | | Chrysene | 1.219 | 1.268 | -4.0 | 119 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.744 | 0.796 | -7.0 | 120 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.095 | 1.170 | -6.8 | 120 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.189 | 1.270 | -6.8 | 113 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.233 | 1.284 | -4.1 | 127 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.137 | 1.090 | 4.1 | 111 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.023 | 1.069 | -4.5 | 120 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 0.983 | 1.051 | -6.9 | 116 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.973 | 1.004 | -3.2 | 110 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 118 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.149 | 2.1 | 115 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.077 | -7.7 | 126 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.597 | -1.5 | 120 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.470 | -0.6 | 120 | 0.00 |
| 6 | | Aniline | 40.000 | 44.592 | -11.5 | 134 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 81.152 | -1.4 | 121 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.245 | -3.1 | 124 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.392 | -6.0 | 140 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.583 | -4.0 | 125 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.760 | 5.6 | 123 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.235 | -0.6 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.273 | -0.7 | 121 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.020 | -2.6 | 124 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.276 | -3.2 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.216 | -3.0 | 125 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.384 | -1.0 | 122 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.228 | -3.1 | 124 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.364 | -3.4 | 124 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.824 | -2.1 | 122 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.167 | -2.9 | 123 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.223 | -5.3 | 125 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.700 | -4.3 | 124 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.358 | -3.4 | 125 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.547 | -8.9 | 126 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.945 | -4.9 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.858 | -4.6 | 128 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.134 | -5.3 | 126 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.355 | -3.4 | 124 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.452 | -3.6 | 124 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.336 | -10.8 | 130 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 43.552 | -8.9 | 127 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.447 | -3.6 | 124 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.375 | -3.4 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.634 | -4.1 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.664 | -1.7 | 122 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.093 | -2.7 | 124 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.569 | -3.9 | 125 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.948 | -2.4 | 116 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.413 | -4.3 | 121 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.005 | -5.0 | 120 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.375 | -5.9 | 124 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.154 | -2.7 | 123 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.028 | -2.6 | 122 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.415 | -3.5 | 123 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 42.689 | -6.7 | 125 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.065 | -2.7 | 123 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.917 | -2.3 | 121 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.082 | -7.7 | 125 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.632 | -4.1 | 122 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.619 | -9.0 | 124 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.271 | -3.2 | 117 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.190 | -3.0 | 122 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.679 | -4.2 | 118 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.441 | -8.6 | 123 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.538 | -3.8 | 121 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.958 | -2.4 | 120 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.455 | -3.6 | 122 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.227 | -3.1 | 122 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.297 | -3.2 | 118 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.589 | -4.0 | 122 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.348 | -8.4 | 118 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.916 | -4.8 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.063 | -5.2 | 121 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.637 | -4.1 | 119 | 0.00 |
| 69 | | Atrazine | 40.000 | 35.101 | 12.2 | 121 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.112 | -7.8 | 120 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.537 | -3.8 | 120 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.446 | -3.6 | 119 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.161 | -2.9 | 118 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.260 | -8.1 | 121 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.911 | 0.2 | 114 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 77 | | Benzidine | 40.000 | 54.902 | -37.3# | 118 | 0.00 |
| 78 | | Pyrene | 40.000 | 43.433 | -8.6 | 112 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 87.992 | -10.0 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.319 | -8.3 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.958 | -2.4 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.924 | -2.3 | 122 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.606 | -4.0 | 119 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.807 | -7.0 | 120 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.744 | -6.9 | 120 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.725 | -6.8 | 113 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.652 | -4.1 | 127 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.351 | 4.1 | 111 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.792 | -4.5 | 120 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.761 | -6.9 | 116 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.259 | -3.1 | 110 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139353.D
Acq On : 13 Sep 2024 20:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF091324

Quant Time: Sep 14 03:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047520.D 5 =BM047521.D 10 =BM047522.D 20 =BM047523.D 40 =BM047524.D 50 =BM047525.D 60 =BM047526.D 80 =BM0475
27.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.601 | 0.559 | 0.552 | 0.520 | 0.506 | 0.525 | 0.503 | 0.538 | 6.51 |
| 3) | | Pyridine | | 1.680 | 1.592 | 1.594 | 1.587 | 1.559 | 1.610 | 1.588 | 1.601 | 2.36 |
| 4) | | n-Nitrosodimet... | | 0.724 | 0.730 | 0.742 | 0.730 | 0.717 | 0.736 | 0.706 | 0.727 | 1.65 |
| 5) | S | 2-Fluorophenol | | 1.216 | 1.208 | 1.228 | 1.244 | 1.245 | 1.331 | 1.321 | 1.256 | 3.96 |
| 6) | | Aniline | | 1.542 | 1.529 | 1.565 | 1.586 | 1.563 | 1.605 | 1.588 | 1.568 | 1.71 |
| 7) | S | Phenol-d6 | | 1.632 | 1.623 | 1.717 | 1.795 | 1.809 | 1.900 | 1.905 | 1.769 | 6.56 |
| 8) | | 2-Chlorophenol | | 1.338 | 1.321 | 1.380 | 1.395 | 1.375 | 1.446 | 1.438 | 1.385 | 3.37 |
| 9) | | Benzaldehyde | | 0.923 | 0.986 | 0.993 | 0.837 | 0.771 | 0.737 | 0.642 | 0.841 | 15.80 |
| 10) | C | Phenol | | 1.676 | 1.679 | 1.747 | 1.781 | 1.786 | 1.870 | 1.860 | 1.771 | 4.37 |
| 11) | | bis(2-Chloroet... | | 1.451 | 1.413 | 1.426 | 1.418 | 1.397 | 1.436 | 1.414 | 1.422 | 1.23 |
| 12) | | 1,3-Dichlorobe... | | 1.586 | 1.512 | 1.497 | 1.503 | 1.467 | 1.539 | 1.506 | 1.516 | 2.48 |
| 13) | C | 1,4-Dichlorobe... | | 1.593 | 1.535 | 1.529 | 1.527 | 1.507 | 1.570 | 1.545 | 1.544 | 1.89 |
| 14) | | 1,2-Dichlorobe... | | 1.545 | 1.492 | 1.503 | 1.507 | 1.489 | 1.558 | 1.541 | 1.519 | 1.84 |
| 15) | | Benzyl Alcohol | | 1.094 | 1.097 | 1.191 | 1.232 | 1.230 | 1.271 | 1.272 | 1.198 | 6.29 |
| 16) | | 2,2'-oxybis(1-... | | 2.103 | 2.031 | 2.065 | 2.009 | 1.949 | 1.957 | 1.888 | 2.000 | 3.71 |
| 17) | | 2-Methylphenol | | 1.041 | 1.073 | 1.128 | 1.161 | 1.154 | 1.186 | 1.177 | 1.132 | 4.85 |
| 18) | | Hexachloroethane | | 0.639 | 0.606 | 0.627 | 0.615 | 0.603 | 0.622 | 0.605 | 0.617 | 2.16 |
| 19) | P | n-Nitroso-di-n... | 1.067 | 1.144 | 1.154 | 1.230 | 1.244 | 1.233 | 1.238 | 1.232 | 1.193 | 5.38 |
| 20) | | 3+4-Methylphenols | | 1.441 | 1.493 | 1.591 | 1.613 | 1.602 | 1.652 | 1.660 | 1.579 | 5.19 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.521 | 0.509 | 0.519 | 0.527 | 0.524 | 0.548 | 0.532 | 0.526 | 2.30 |
| 23) | S | Nitrobenzene-d5 | | 0.387 | 0.384 | 0.400 | 0.406 | 0.400 | 0.417 | 0.403 | 0.400 | 2.80 |
| 24) | | Nitrobenzene | | 0.409 | 0.406 | 0.417 | 0.413 | 0.407 | 0.420 | 0.402 | 0.411 | 1.55 |
| 25) | | Isophorone | | 0.671 | 0.679 | 0.705 | 0.711 | 0.710 | 0.724 | 0.716 | 0.703 | 2.80 |
| 26) | C | 2-Nitrophenol | | 0.105 | 0.116 | 0.134 | 0.147 | 0.152 | 0.162 | 0.164 | 0.140 | 16.21 |
| 27) | | 2,4-Dimethylph... | | 0.208 | 0.202 | 0.211 | 0.210 | 0.213 | 0.222 | 0.220 | 0.212 | 3.19 |
| 28) | | bis(2-Chloroet... | | 0.448 | 0.436 | 0.441 | 0.441 | 0.436 | 0.447 | 0.440 | 0.441 | 1.10 |
| 29) | C | 2,4-Dichloroph... | | 0.236 | 0.243 | 0.266 | 0.275 | 0.280 | 0.292 | 0.295 | 0.269 | 8.49 |
| 30) | | 1,2,4-Trichlor... | | 0.313 | 0.296 | 0.300 | 0.302 | 0.305 | 0.324 | 0.320 | 0.309 | 3.44 |
| 31) | | Naphthalene | | 1.083 | 1.042 | 1.056 | 1.077 | 1.079 | 1.122 | 1.104 | 1.080 | 2.49 |
| 32) | | Benzoic acid | | | 0.125 | 0.156 | 0.192 | 0.207 | 0.214 | 0.227 | 0.187 | 20.87 |
| 33) | | 4-Chloroaniline | | 0.382 | 0.373 | 0.389 | 0.393 | 0.393 | 0.400 | 0.403 | 0.391 | 2.64 |
| 34) | C | Hexachlorobuta... | | 0.173 | 0.166 | 0.167 | 0.169 | 0.169 | 0.178 | 0.174 | 0.171 | 2.68 |
| 35) | | Caprolactam | | 0.073 | 0.079 | 0.090 | 0.093 | 0.093 | 0.094 | 0.099 | 0.089 | 10.57 |
| 36) | C | 4-Chloro-3-met... | | 0.269 | 0.284 | 0.305 | 0.318 | 0.319 | 0.329 | 0.337 | 0.309 | 7.99 |
| 37) | | 2-Methylnaphth... | | 0.683 | 0.672 | 0.693 | 0.726 | 0.727 | 0.761 | 0.770 | 0.719 | 5.30 |
| 38) | | 1-Methylnaphth... | | 0.679 | 0.670 | 0.694 | 0.716 | 0.728 | 0.755 | 0.759 | 0.714 | 4.93 |

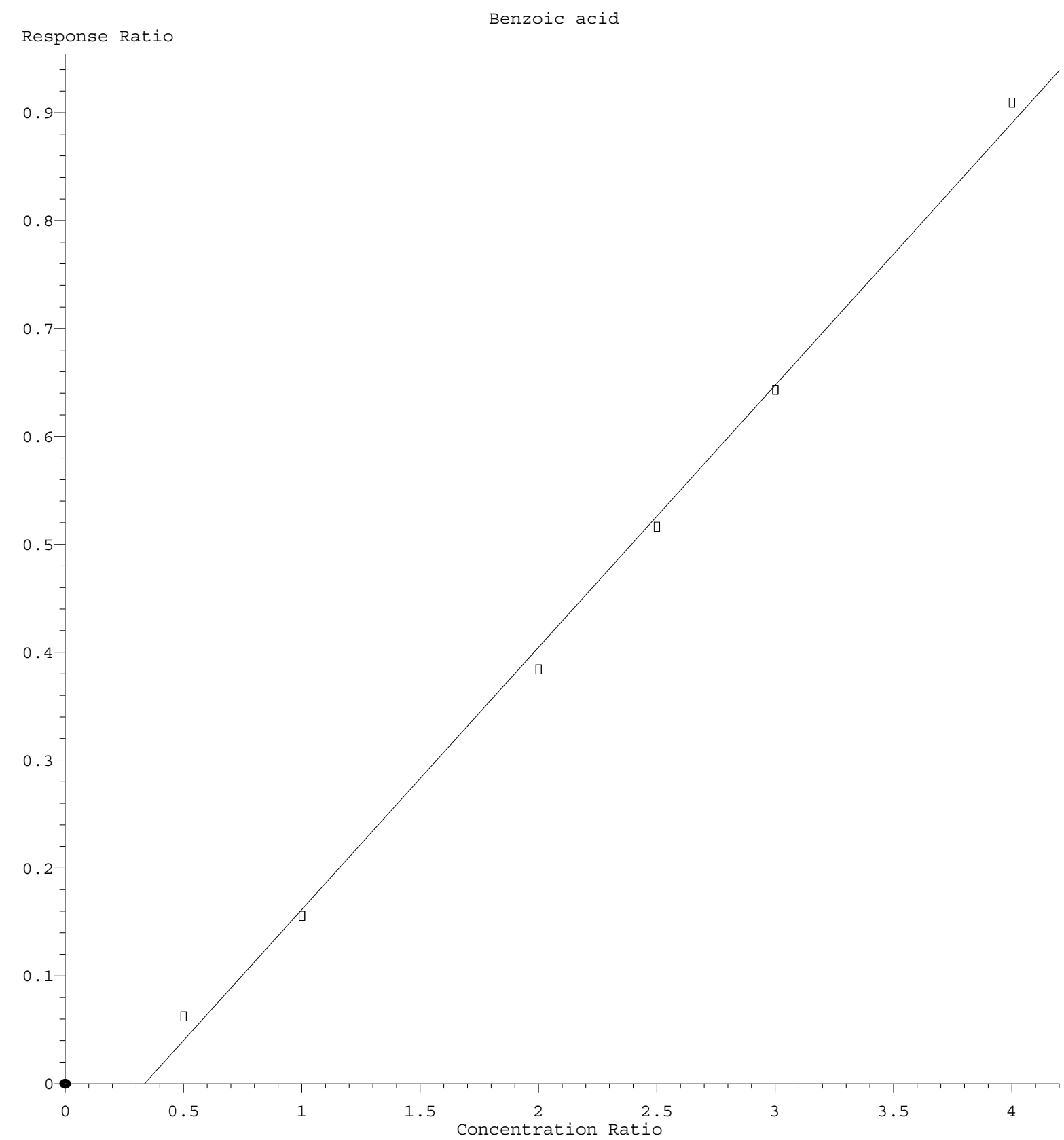
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.505 | 0.491 | 0.514 | 0.547 | 0.554 | 0.591 | 0.586 | 0.541 | 7.25 |
| 41) | P | Hexachlorocycl... | 0.168 | 0.163 | 0.168 | 0.183 | 0.182 | 0.194 | 0.181 | 0.177 | 6.22 |
| 42) | S | 2,4,6-Tribromo... | 0.149 | 0.159 | 0.177 | 0.202 | 0.211 | 0.218 | 0.236 | 0.193 | 16.72 |
| 43) | C | 2,4,6-Trichlor... | 0.279 | 0.301 | 0.325 | 0.350 | 0.358 | 0.380 | 0.380 | 0.339 | 11.47 |
| 44) | | 2,4,5-Trichlor... | 0.324 | 0.345 | 0.367 | 0.395 | 0.403 | 0.420 | 0.427 | 0.383 | 10.18 |
| 45) | S | 2-Fluorobiphenyl | 1.331 | 1.295 | 1.385 | 1.515 | 1.523 | 1.608 | 1.506 | 1.452 | 7.96 |
| 46) | | 1,1'-Biphenyl | 1.498 | 1.446 | 1.490 | 1.571 | 1.584 | 1.672 | 1.631 | 1.556 | 5.24 |
| 47) | | 2-Chloronaphth... | 1.157 | 1.137 | 1.169 | 1.218 | 1.234 | 1.291 | 1.252 | 1.208 | 4.64 |
| 48) | | 2-Nitroaniline | 0.282 | 0.314 | 0.355 | 0.376 | 0.380 | 0.391 | 0.387 | 0.355 | 11.72 |
| 49) | | Acenaphthylene | 1.607 | 1.598 | 1.682 | 1.788 | 1.792 | 1.872 | 1.868 | 1.744 | 6.62 |
| 50) | | Dimethylphthalate | 1.316 | 1.308 | 1.336 | 1.372 | 1.376 | 1.403 | 1.431 | 1.363 | 3.34 |
| 51) | | 2,6-Dinitrotol... | 0.241 | 0.267 | 0.285 | 0.297 | 0.300 | 0.308 | 0.317 | 0.288 | 9.07 |
| 52) | C | Acenaphthene | 1.108 | 1.111 | 1.162 | 1.247 | 1.267 | 1.322 | 1.335 | 1.222 | 7.77 |
| 53) | | 3-Nitroaniline | 0.263 | 0.284 | 0.316 | 0.336 | 0.339 | 0.344 | 0.356 | 0.320 | 10.72 |
| 54) | P | 2,4-Dinitrophenol | | 0.079 | 0.103 | 0.128 | 0.135 | 0.143 | 0.162 | 0.125 | 23.80 |
| 55) | | Dibenzofuran | 1.659 | 1.609 | 1.655 | 1.734 | 1.743 | 1.808 | 1.810 | 1.717 | 4.55 |
| 56) | P | 4-Nitrophenol | 0.195 | 0.231 | 0.263 | 0.282 | 0.284 | 0.286 | 0.301 | 0.263 | 14.17 |
| 57) | | 2,4-Dinitrotol... | 0.302 | 0.338 | 0.378 | 0.408 | 0.409 | 0.413 | 0.440 | 0.384 | 12.64 |
| 58) | | Fluorene | 1.350 | 1.378 | 1.506 | 1.630 | 1.642 | 1.669 | 1.645 | 1.546 | 8.74 |
| 59) | | 2,3,4,6-Tetrac... | 0.259 | 0.271 | 0.284 | 0.306 | 0.313 | 0.322 | 0.335 | 0.299 | 9.36 |
| 60) | | Diethylphthalate | 1.358 | 1.374 | 1.435 | 1.482 | 1.473 | 1.485 | 1.548 | 1.451 | 4.60 |
| 61) | | 4-Chlorophenyl... | 0.616 | 0.625 | 0.683 | 0.744 | 0.745 | 0.768 | 0.766 | 0.707 | 9.24 |
| 62) | | 4-Nitroaniline | 0.276 | 0.315 | 0.377 | 0.420 | 0.417 | 0.408 | 0.419 | 0.376 | 15.46 |
| 63) | | Azobenzene | 1.526 | 1.559 | 1.620 | 1.654 | 1.619 | 1.608 | 1.596 | 1.597 | 2.66 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.061 | 0.077 | 0.091 | 0.097 | 0.106 | 0.112 | 0.091 | 20.89 |
| 66) | c | n-Nitrosodiphe... | 0.558 | 0.546 | 0.590 | 0.632 | 0.633 | 0.677 | 0.646 | 0.612 | 7.92 |
| 67) | | 4-Bromophenyl-... | 0.176 | 0.170 | 0.183 | 0.197 | 0.201 | 0.218 | 0.215 | 0.194 | 9.65 |
| 68) | | Hexachlorobenzene | 0.210 | 0.196 | 0.206 | 0.222 | 0.224 | 0.243 | 0.239 | 0.220 | 7.80 |
| 69) | | Atrazine | 0.149 | 0.155 | 0.169 | 0.178 | 0.174 | 0.179 | 0.180 | 0.169 | 7.50 |
| 70) | C | Pentachlorophenol | 0.090 | 0.101 | 0.121 | 0.136 | 0.140 | 0.150 | 0.157 | 0.128 | 19.62 |
| 71) | | Phenanthrene | 1.037 | 0.999 | 1.054 | 1.134 | 1.131 | 1.197 | 1.163 | 1.102 | 6.60 |
| 72) | | Anthracene | 0.948 | 0.939 | 1.021 | 1.104 | 1.102 | 1.169 | 1.130 | 1.059 | 8.55 |
| 73) | | Carbazole | 0.942 | 0.946 | 1.015 | 1.090 | 1.085 | 1.126 | 1.142 | 1.049 | 7.87 |
| 74) | | Di-n-butylphth... | 1.064 | 1.097 | 1.238 | 1.340 | 1.349 | 1.352 | 1.351 | 1.256 | 10.09 |
| 75) | C | Fluoranthene | 1.036 | 1.044 | 1.149 | 1.281 | 1.276 | 1.283 | 1.347 | 1.203 | 10.45 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.303 | 0.320 | 0.312 | 0.253 | 0.265 | 0.236 | | 0.282 | 12.38 |
| 78) | | Pyrene | 1.327 | 1.317 | 1.353 | 1.494 | 1.564 | 1.672 | 1.486 | 1.459 | 9.15 |
| 79) | S | Terphenyl-d14 | 0.989 | 1.037 | 1.142 | 1.256 | 1.239 | 1.262 | 0.888 | 1.116 | 13.24 |
| 80) | | Butylbenzylpht... | 0.433 | 0.474 | 0.540 | 0.588 | 0.604 | 0.627 | 0.665 | 0.562 | 14.93 |
| 81) | | Benzo(a)anthra... | 1.245 | 1.220 | 1.286 | 1.333 | 1.325 | 1.374 | 1.343 | 1.304 | 4.28 |
| 82) | | 3,3'-Dichlorob... | 0.297 | 0.326 | 0.358 | 0.362 | 0.356 | 0.360 | 0.369 | 0.347 | 7.47 |
| 83) | | Chrysene | 1.196 | 1.178 | 1.201 | 1.254 | 1.250 | 1.293 | 1.260 | 1.233 | 3.38 |
| 84) | | Bis(2-ethylhex... | 0.663 | 0.761 | 0.854 | 0.928 | 0.947 | 0.969 | 1.035 | 0.880 | 14.73 |
| 85) | c | Di-n-octyl pht... | 0.873 | 1.043 | 1.243 | 1.301 | 1.309 | 1.392 | 1.550 | 1.244 | 18.01 |

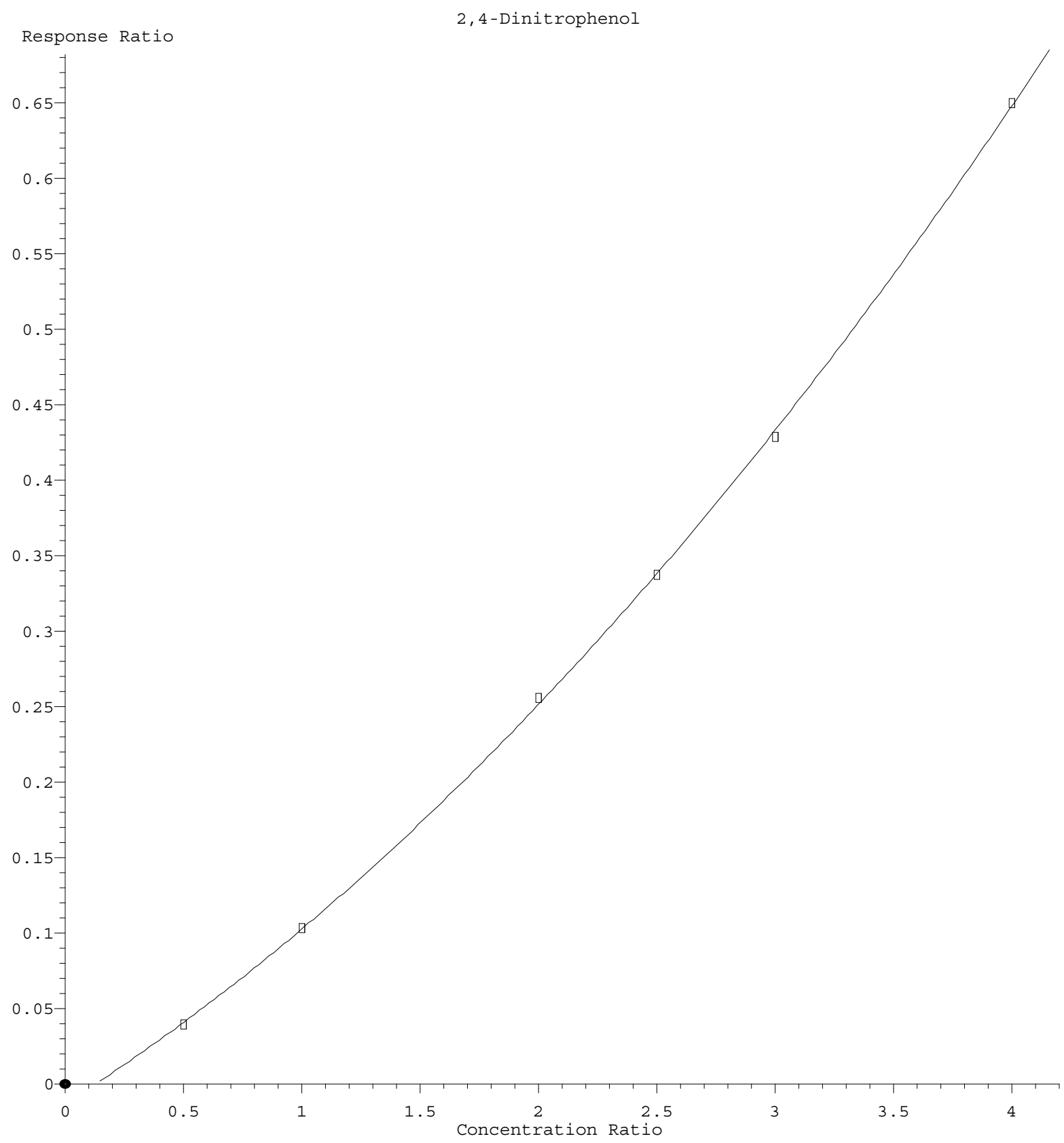
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM091424.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.079 | 1.075 | 1.152 | 1.184 | 1.238 | 1.417 | 1.233 | 1.197 | 9.79 |
| 88) | | Benzo(b)fluora... | 1.120 | 1.142 | 1.236 | 1.340 | 1.381 | 1.407 | 1.432 | 1.294 | 9.89 |
| 89) | | Benzo(k)fluora... | 1.113 | 1.131 | 1.212 | 1.364 | 1.351 | 1.383 | 1.424 | 1.282 | 9.97 |
| 90) | C | Benzo(a)pyrene | 0.906 | 0.941 | 1.018 | 1.098 | 1.114 | 1.177 | 1.171 | 1.061 | 10.20 |
| 91) | | Dibenzo(a,h)an... | 0.894 | 0.894 | 0.964 | 0.994 | 1.047 | 1.198 | 1.058 | 1.007 | 10.58 |
| 92) | | Benzo(g,h,i)pe... | 0.917 | 0.883 | 0.940 | 0.968 | 1.018 | 1.171 | 0.988 | 0.984 | 9.57 |

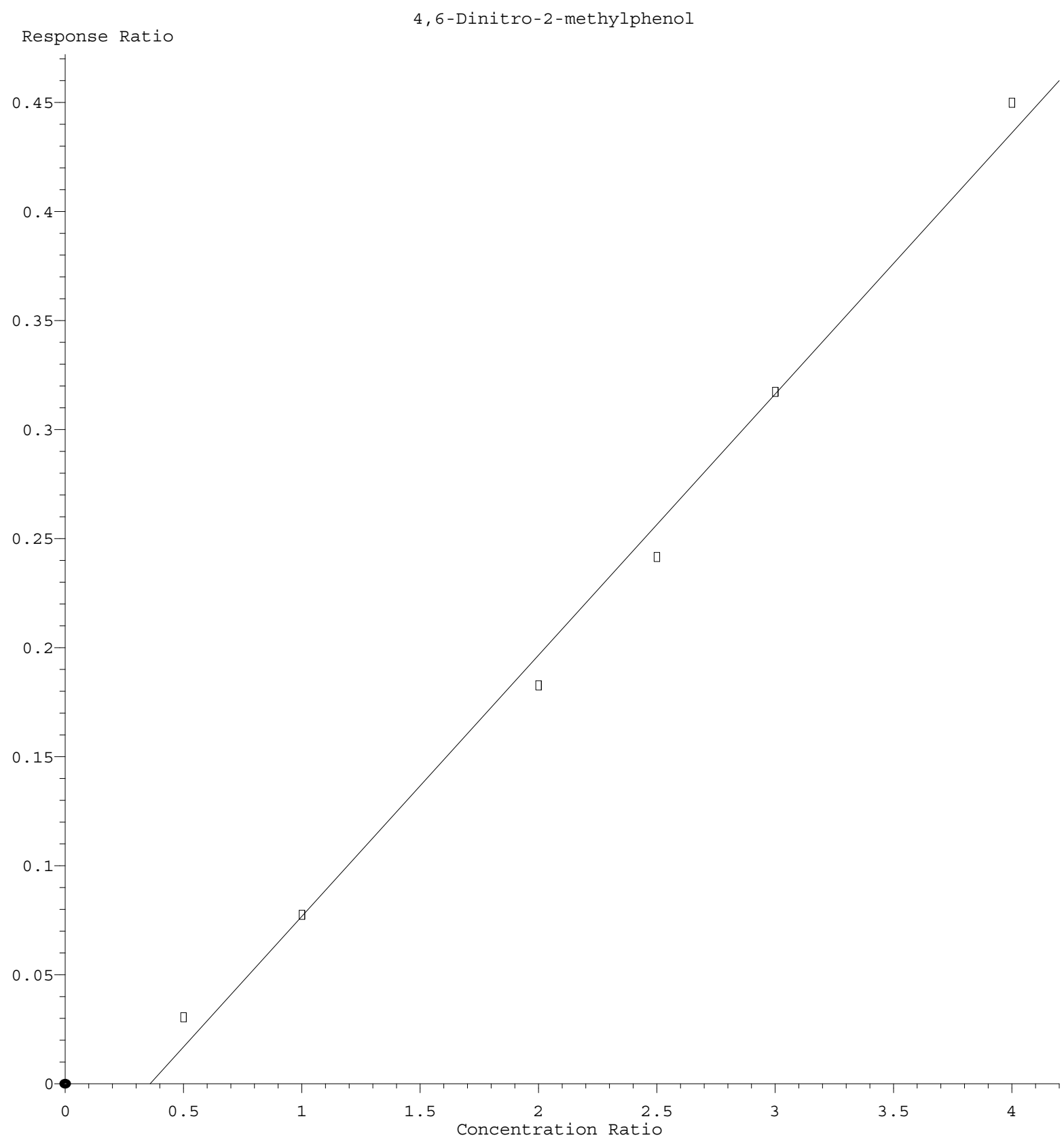
(#) = Out of Range




Response = 2.430e-001 * Amt - 8.140e-002
Coef of Det (r^2) = 0.997113  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024




R = 1.652e-002 A*A + 9.915e-002 A - 1.295e-002
Coef of Det (r^2) = 0.999816  Curve Fit: Quadratic
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024




Response = 1.198e-001 * Amt - 4.295e-002
Coef of Det (r^2) = 0.993448  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM091424.M
Calibration Table Last Updated: Sun Sep 15 08:56:37 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 331818 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1431277 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 860230 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1698459 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 1448703 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1514067 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.651 | 70 | 44249 | 2.927 | ng | 99 |

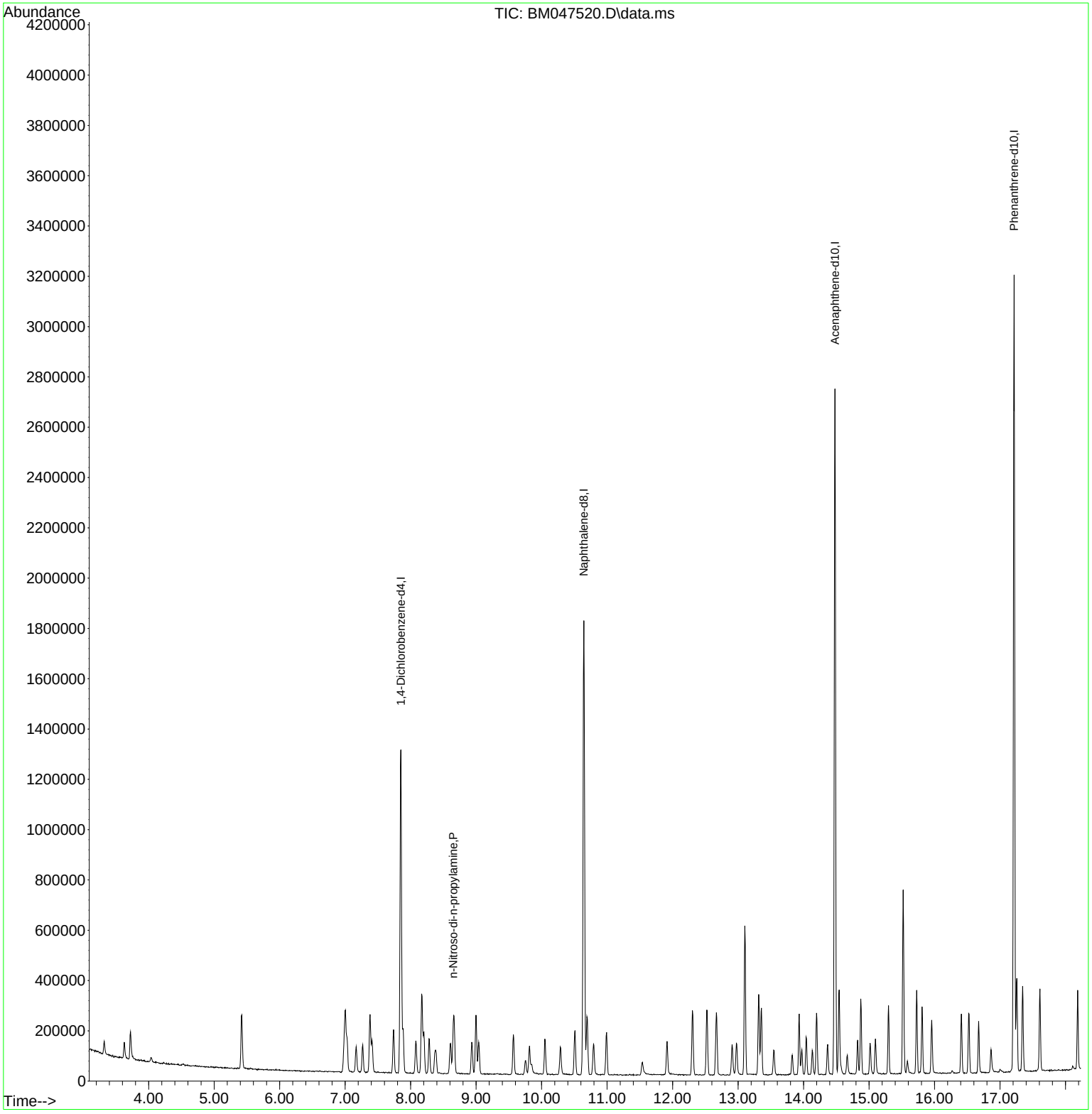
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration

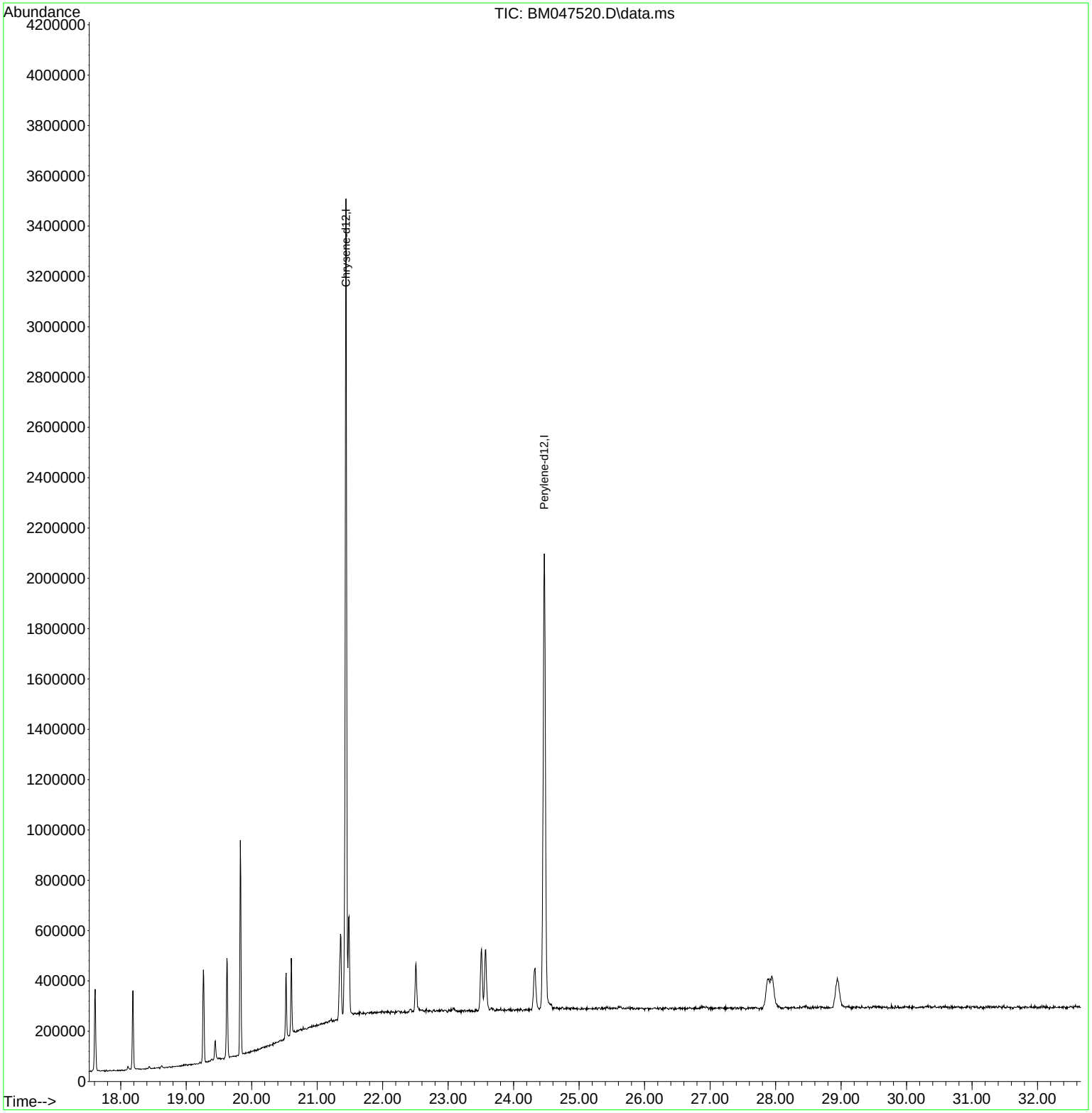


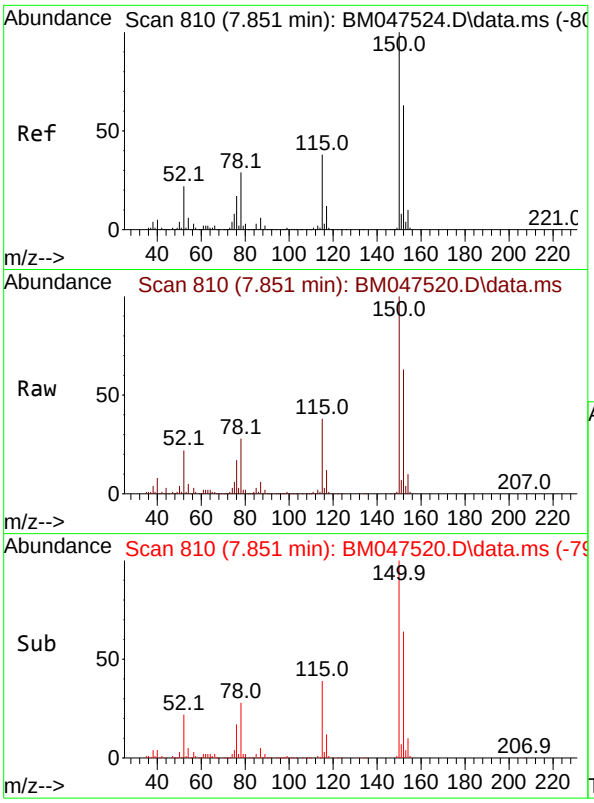
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047520.D
Acq On : 14 Sep 2024 11:57
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Sep 15 08:16:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:15:39 2024
Response via : Initial Calibration



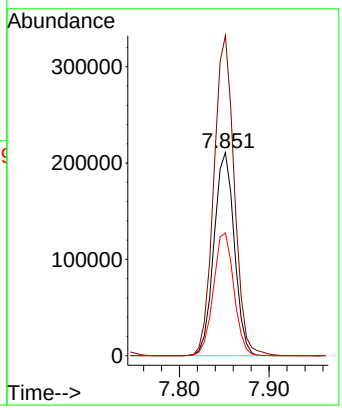


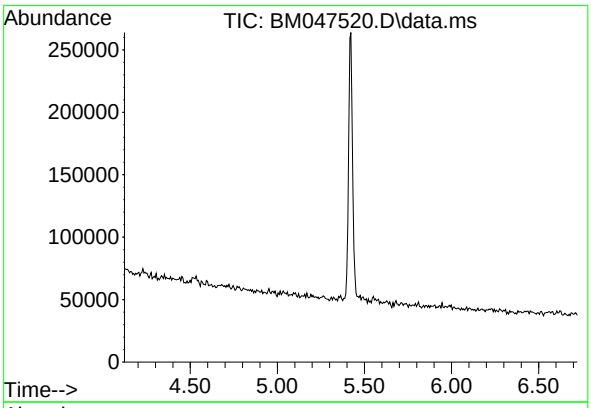

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:152 Resp: 331818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.5 | 126.8 | 190.2 |
| 115 | 60.4 | 47.8 | 71.8 |



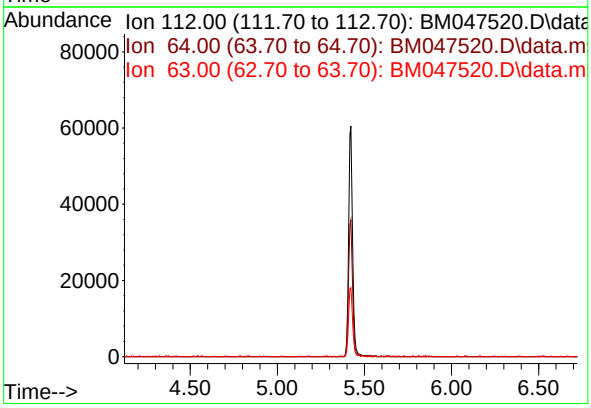



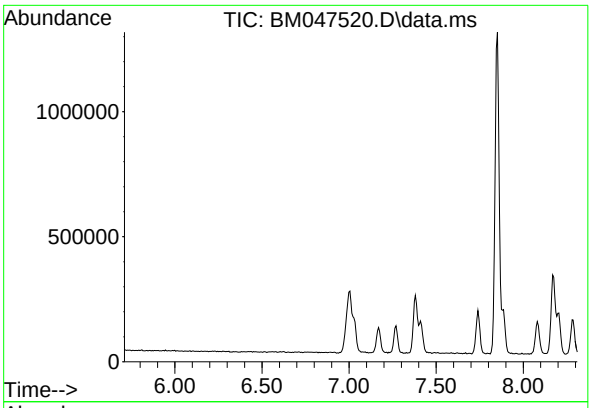

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 60.3 |
| 63 | 32.5 |





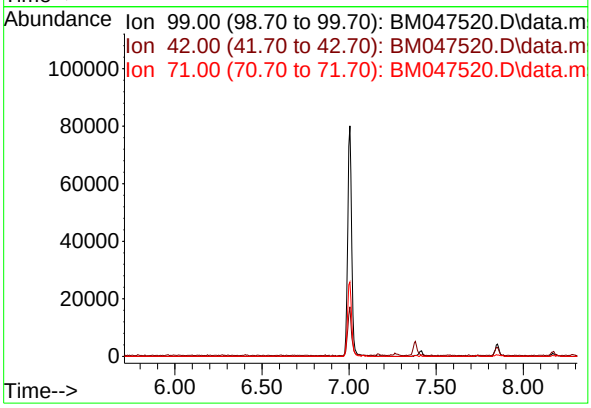

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.01 min

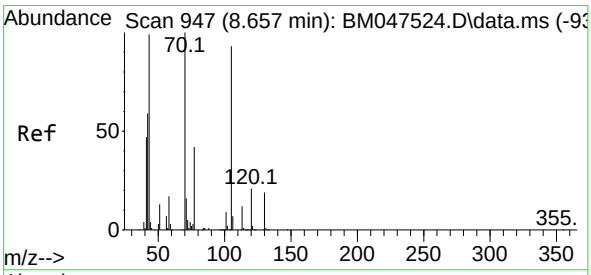
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

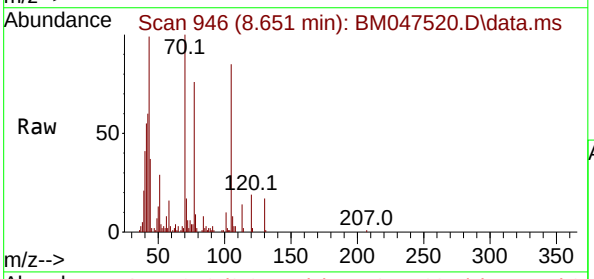
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

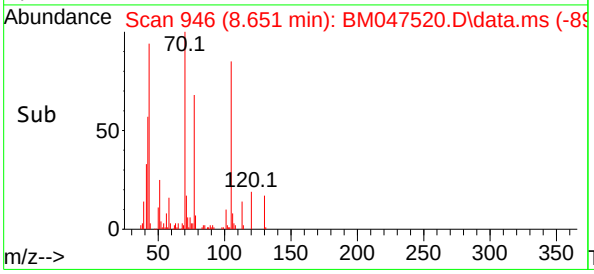
Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 19.8 |
| 71 | 34.5 |



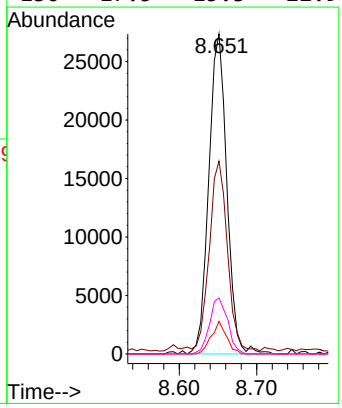



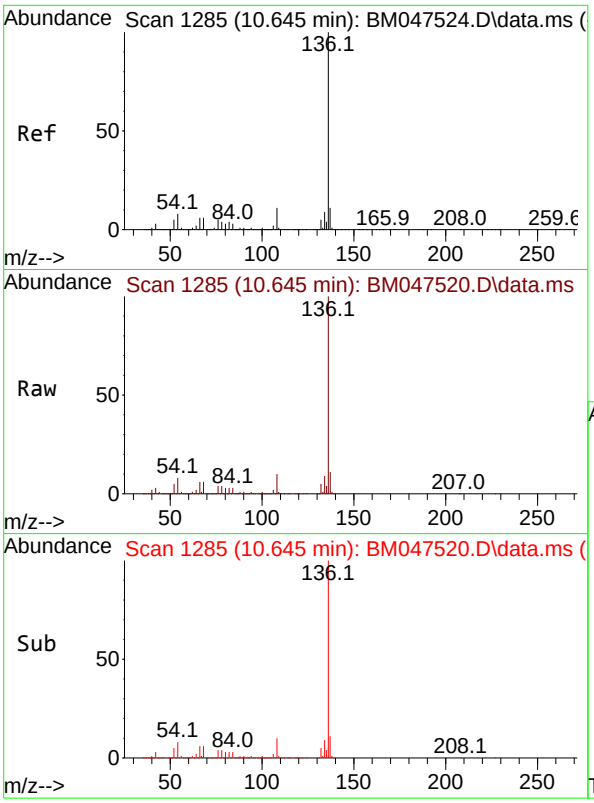




#19
n-Nitroso-di-n-propylamine
Concen: 2.927 ng
RT: 8.651 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 70 Resp: 44249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.3 | 48.2 | 72.2 |
| 101 | 10.2 | 7.0 | 10.4 |
| 130 | 17.5 | 15.3 | 22.9 |



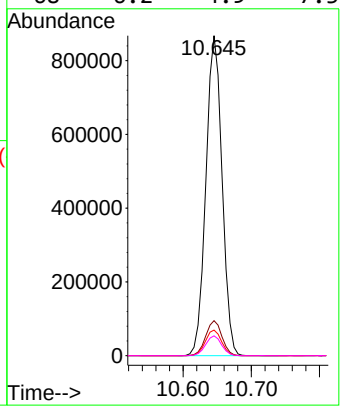


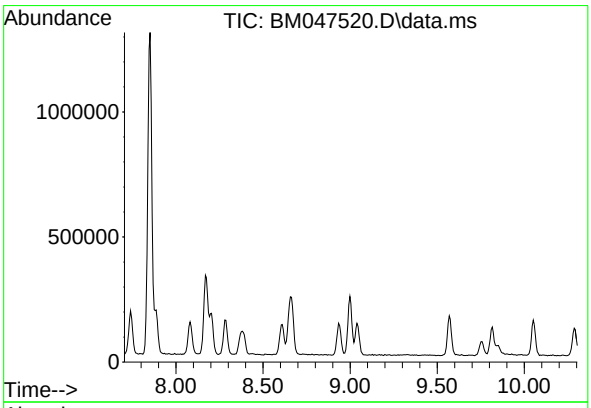

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:136 Resp: 1431277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 6.2 | 4.9 | 7.3 |



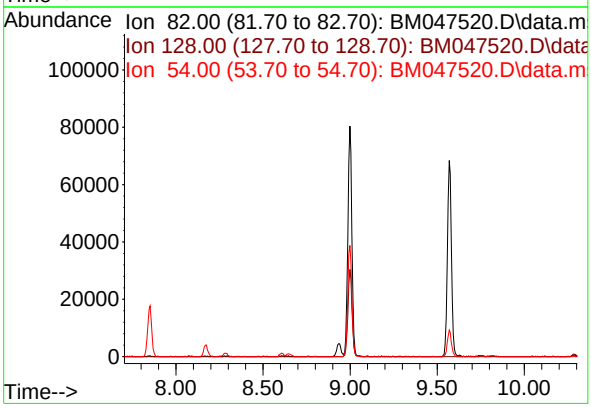



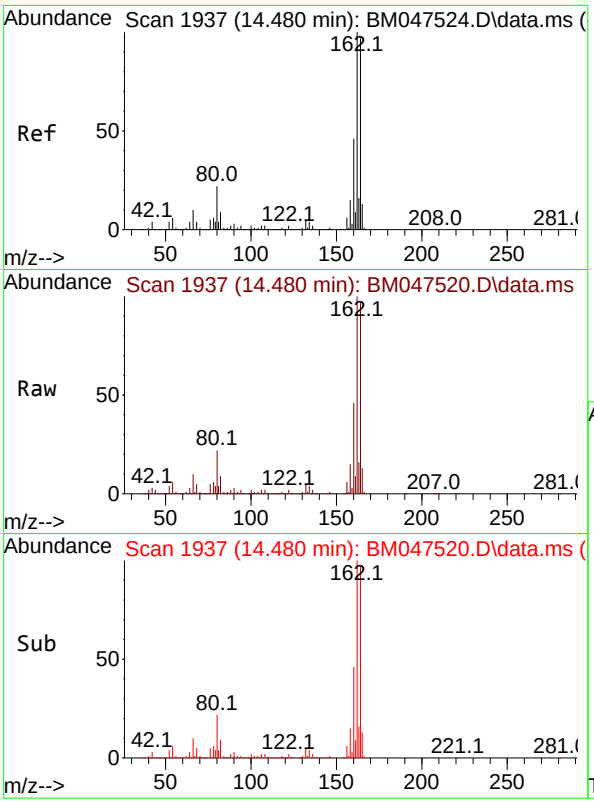

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.00 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 41.2 |
| 54 | 49.1 |



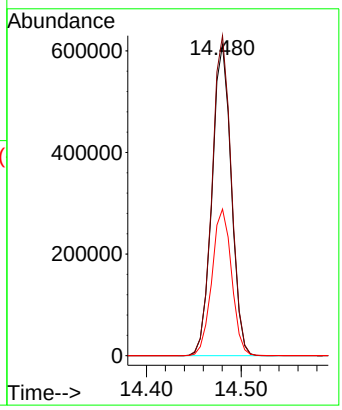


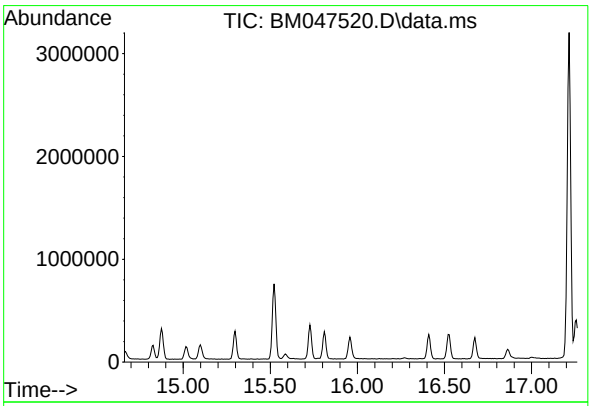

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:164 Resp: 860230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 82.2 | 123.2 |
| 160 | 47.1 | 38.2 | 57.2 |



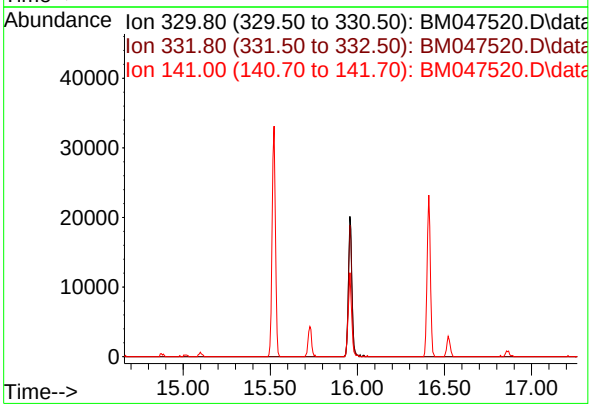



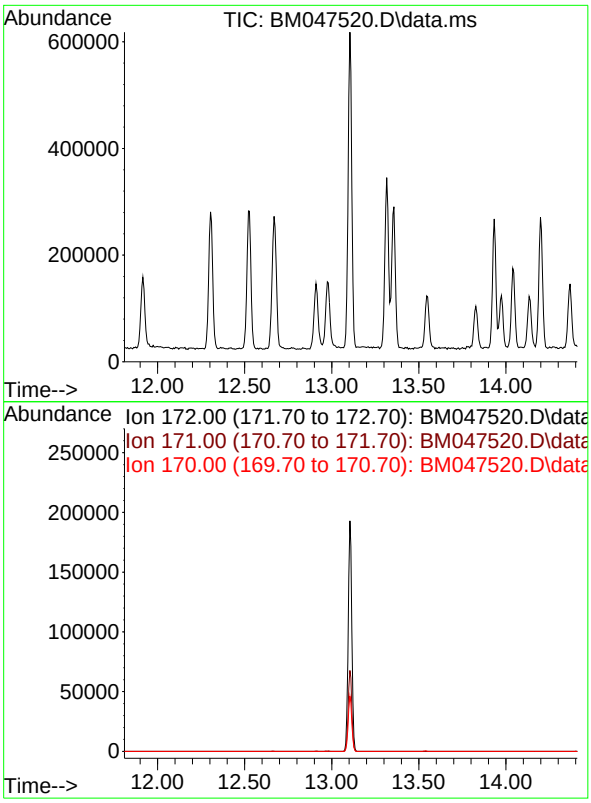

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.96 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 96.1 |
| 141 | 52.7 |





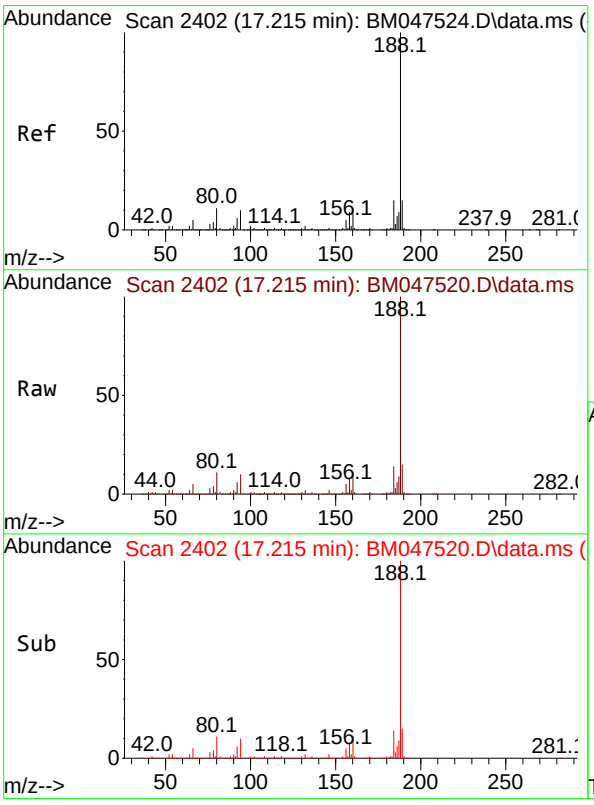

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.11 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 172

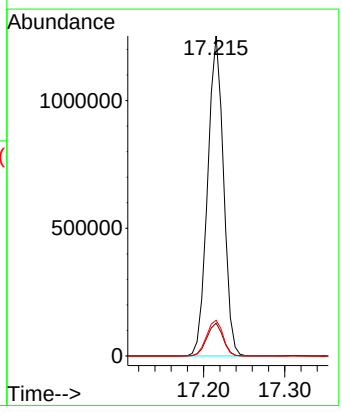
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.2 |
| 170 | 24.2 |

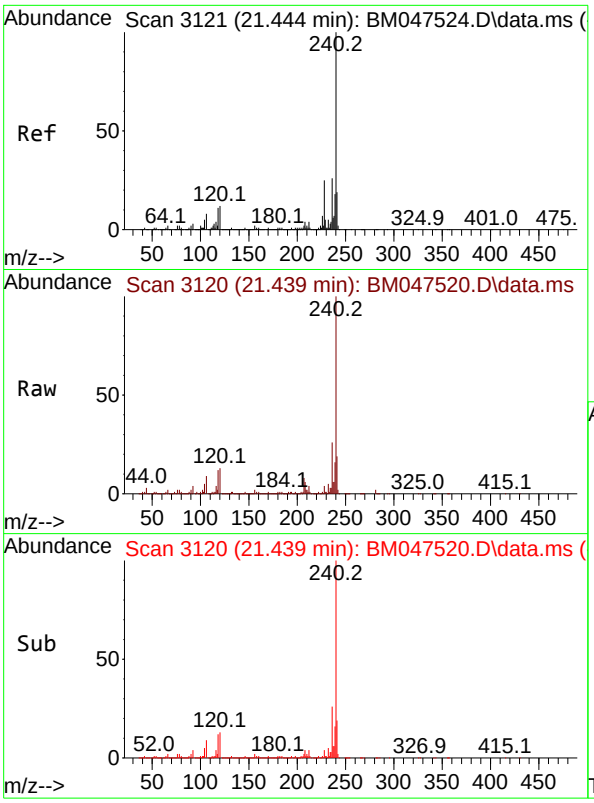



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion:188 Resp: 1698459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.4 | 12.6 |
| 80 | 11.1 | 9.1 | 13.7 |



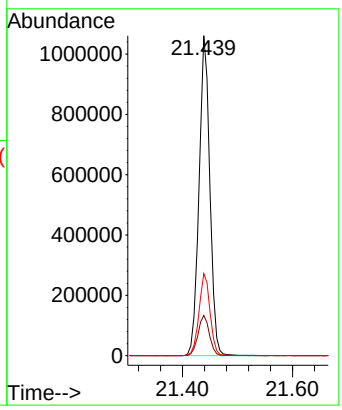


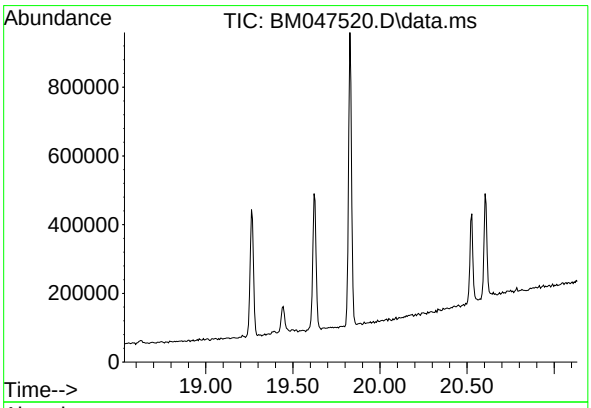

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:240 Resp: 1448703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.6 | 9.6 | 14.4 |
| 236 | 25.7 | 20.9 | 31.3 |



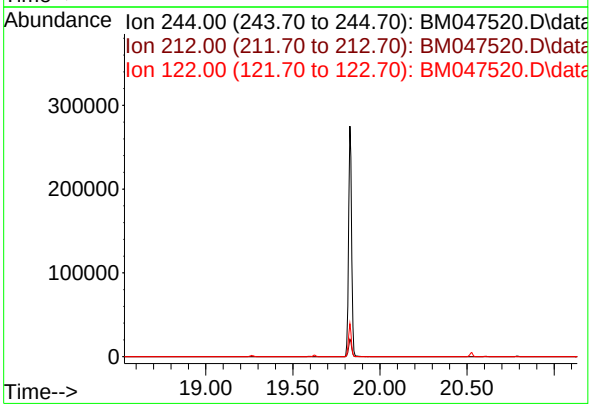



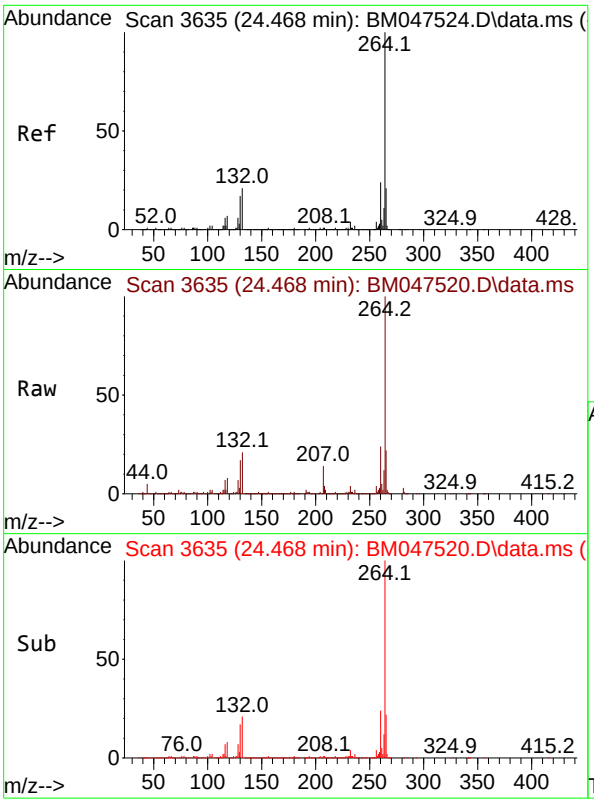

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.83 min

Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.7 |
| 122 | 12.0 |



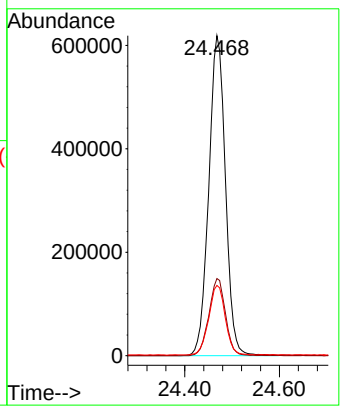



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047520.D
Acq: 14 Sep 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:264 Resp: 1514067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 18.9 | 28.3 |
| 265 | 21.9 | 17.4 | 26.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 321996 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1379603 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 831511 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1584025 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 1296933 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1269114 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 195707 | 9.677 | ng | | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 262753 | 9.226 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.998 | 82 | 266891 | 9.682 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 61801 | 7.689 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.104 | 172 | 553330 | 9.167 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.827 | 244 | 641133 | 8.858 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 48363 | 5.583 | ng | | 99 |
| 3) Pyridine | 3.722 | 79 | 135214 | 5.246 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 58259 | 4.980 | ng | # | 94 |
| 6) Aniline | 7.169 | 93 | 124093 | 4.915 | ng | | 95 |
| 8) 2-Chlorophenol | 7.410 | 128 | 107673 | 4.830 | ng | | 100 |
| 9) Benzaldehyde | 6.981 | 77 | 74318m | 5.488 | ng | | |
| 10) Phenol | 7.028 | 94 | 134938 | 4.732 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 116791 | 5.101 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.739 | 146 | 127671 | 5.232 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 128270 | 5.161 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 124358 | 5.084 | ng | | 99 |
| 15) Benzyl Alcohol | 8.081 | 79 | 88090 | 4.566 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 169328 | 5.258 | ng | | 99 |
| 17) 2-Methylphenol | 8.286 | 107 | 83775 | 4.599 | ng | | 98 |
| 18) Hexachloroethane | 8.934 | 117 | 51435 | 5.180 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.651 | 70 | 92114 | 4.797 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 115966 | 4.562 | ng | | 97 |
| 22) Acetophenone | 8.663 | 105 | 179648 | 4.953 | ng | # | 98 |
| 24) Nitrobenzene | 9.039 | 77 | 141172 | 4.984 | ng | | 98 |
| 25) Isophorone | 9.569 | 82 | 231598 | 4.779 | ng | | 99 |
| 26) 2-Nitrophenol | 9.757 | 139 | 36202 | 3.750 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 71581 | 4.892 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.051 | 93 | 154543 | 5.077 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.286 | 162 | 81375 | 4.377 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 108051 | 5.074 | ng | | 97 |
| 31) Naphthalene | 10.692 | 128 | 373399 | 5.011 | ng | | 100 |
| 33) 4-Chloroaniline | 10.798 | 127 | 131738 | 4.890 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 59813 | 5.071 | ng | | 96 |
| 35) Caprolactam | 11.539 | 113 | 25064 | 4.093 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.916 | 107 | 92624 | 4.348 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.304 | 142 | 235563 | 4.750 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.527 | 142 | 234130 | 4.751 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.674 | 216 | 104928 | 4.663 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 34913 | 4.746 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 58063 | 4.119 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 12.980 | 196 | 67320 | 4.228 | ng | | 96 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.316 | 154 | 311366 | 4.813 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 240529 | 4.788 | ng | | 99 |
| 48) 2-Nitroaniline | 13.545 | 65 | 58576 | 3.970 | ng | | 94 |
| 49) Acenaphthylene | 14.198 | 152 | 333972 | 4.607 | ng | | 100 |
| 50) Dimethylphthalate | 13.933 | 163 | 273466 | 4.825 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.045 | 165 | 50163 | 4.193 | ng | | 95 |
| 52) Acenaphthene | 14.545 | 154 | 230339 | 4.535 | ng | | 98 |
| 53) 3-Nitroaniline | 14.368 | 138 | 54733 | 4.116 | ng | | 95 |
| 55) Dibenzofuran | 14.874 | 168 | 344857 | 4.832 | ng | | 99 |
| 56) 4-Nitrophenol | 14.668 | 139 | 40611 | 3.711 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.827 | 165 | 62726 | 3.931 | ng | | 99 |
| 58) Fluorene | 15.521 | 166 | 280576 | 4.366 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 53816 | 4.335 | ng | | 99 |
| 60) Diethylphthalate | 15.298 | 149 | 282348 | 4.681 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204 | 128033 | 4.357 | ng | | 97 |
| 62) 4-Nitroaniline | 15.521 | 138 | 57319 | 3.667 | ng | | 93 |
| 63) Azobenzene | 15.810 | 77 | 317260 | 4.777 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.727 | 169 | 220922 | 4.559 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.409 | 248 | 69853 | 4.538 | ng | | 96 |
| 68) Hexachlorobenzene | 16.527 | 284 | 83017 | 4.761 | ng | | 98 |
| 69) Atrazine | 16.674 | 200 | 58829 | 4.392 | ng | | 97 |
| 70) Pentachlorophenol | 16.862 | 266 | 35549 | 3.517 | ng | | 96 |
| 71) Phenanthrene | 17.256 | 178 | 410689 | 4.705 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 375320 | 4.475 | ng | | 99 |
| 73) Carbazole | 17.609 | 167 | 373067 | 4.488 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 421371 | 4.237 | ng | | 99 |
| 75) Fluoranthene | 19.262 | 202 | 410366 | 4.309 | ng | | 98 |
| 77) Benzidine | 19.445 | 184 | 98351 | 5.384 | ng | | 99 |
| 78) Pyrene | 19.621 | 202 | 430172 | 4.547 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.521 | 149 | 140365 | 3.854 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.421 | 228 | 403637 | 4.775 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.339 | 252 | 96171 | 4.277 | ng | # | 99 |
| 83) Chrysene | 21.480 | 228 | 387917 | 4.851 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149 | 214900 | 3.767 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 22.503 | 149 | 282914 | 3.506 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 27.879 | 276 | 342325 | 4.507 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 23.509 | 252 | 355488 | 4.329 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.568 | 252 | 353260 | 4.341 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.321 | 252 | 287300 | 4.269 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 27.938 | 278 | 283784 | 4.441 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.938 | 276 | 290923 | 4.661 | ng | | 98 |

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

ICAL Form

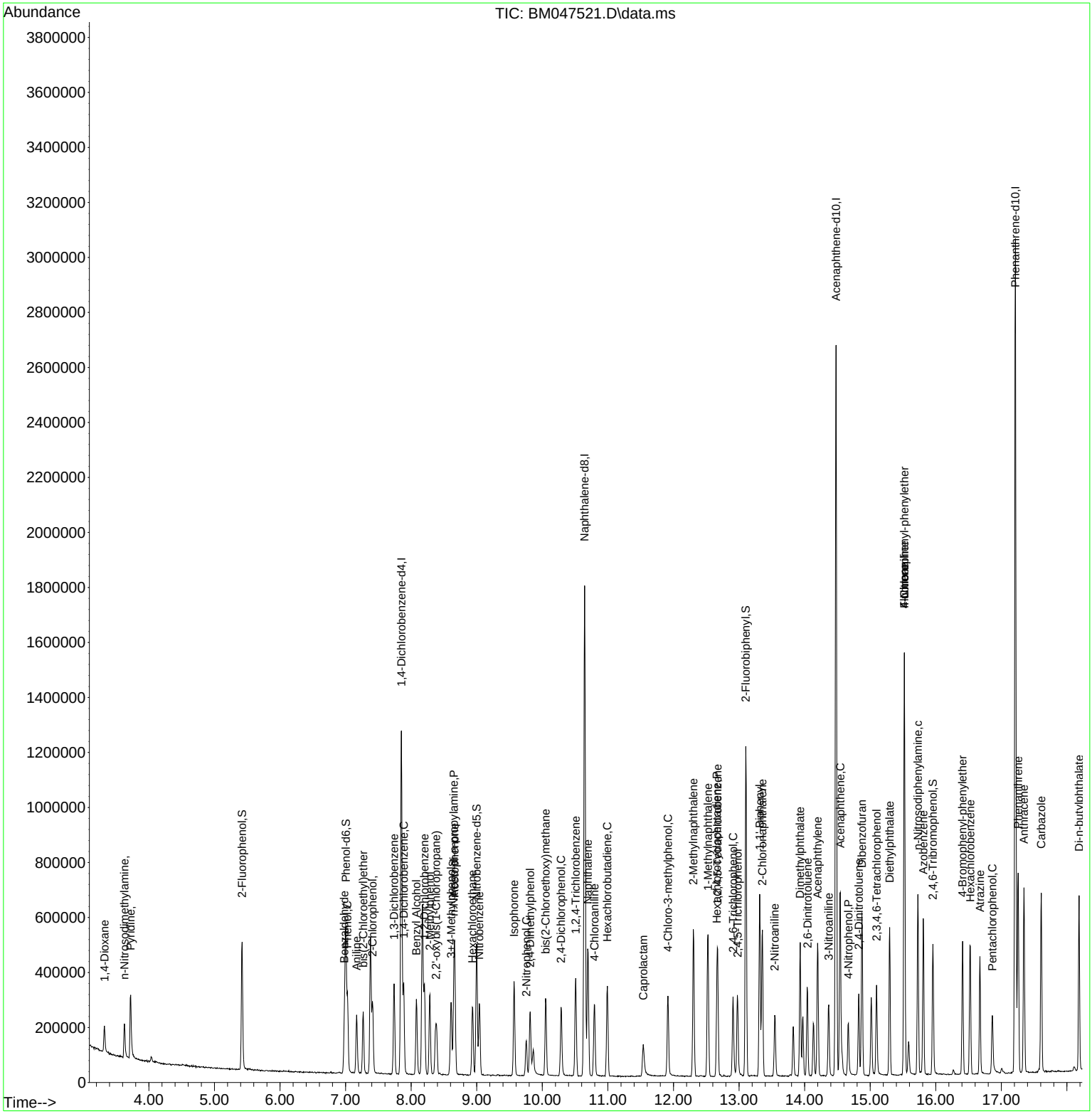
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047521.D
Acq On : 14 Sep 2024 12:36
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 15 08:44:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

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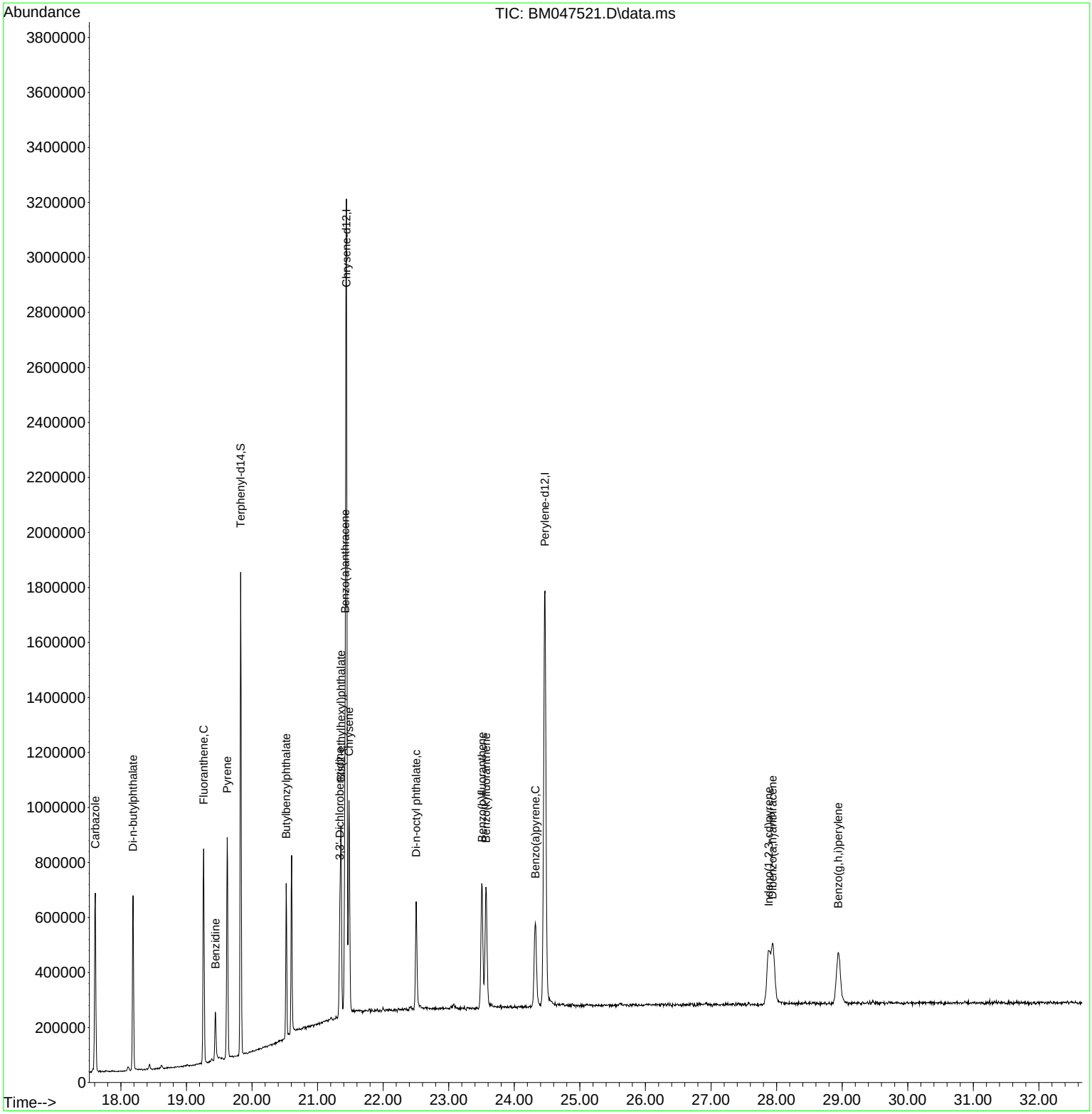
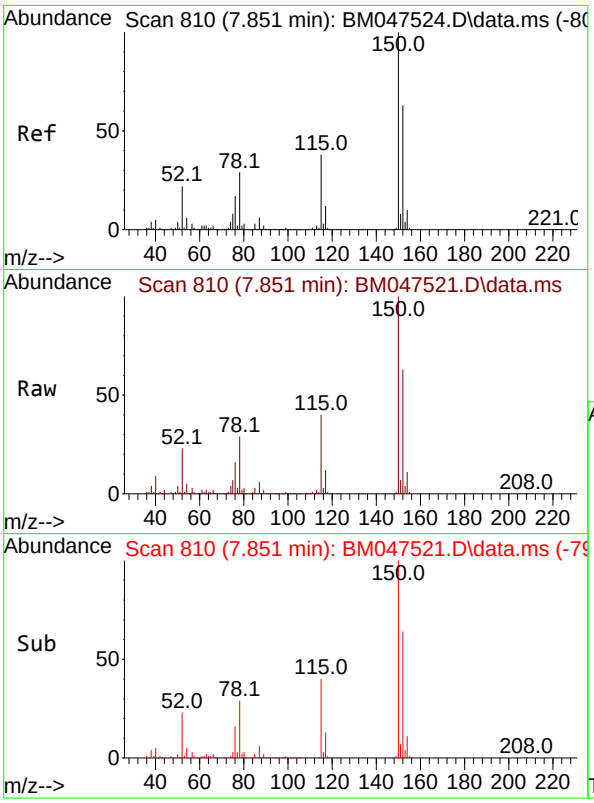
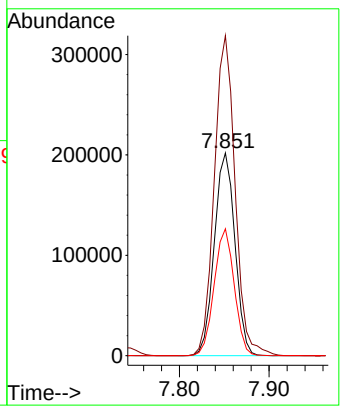





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:152 Resp: 32199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 126.8 | 190.2 |
| 115 | 62.5 | 47.8 | 71.8 |




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

**Manual Integrations**
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Reviewed By :Yogesh Patel 09/16/2024
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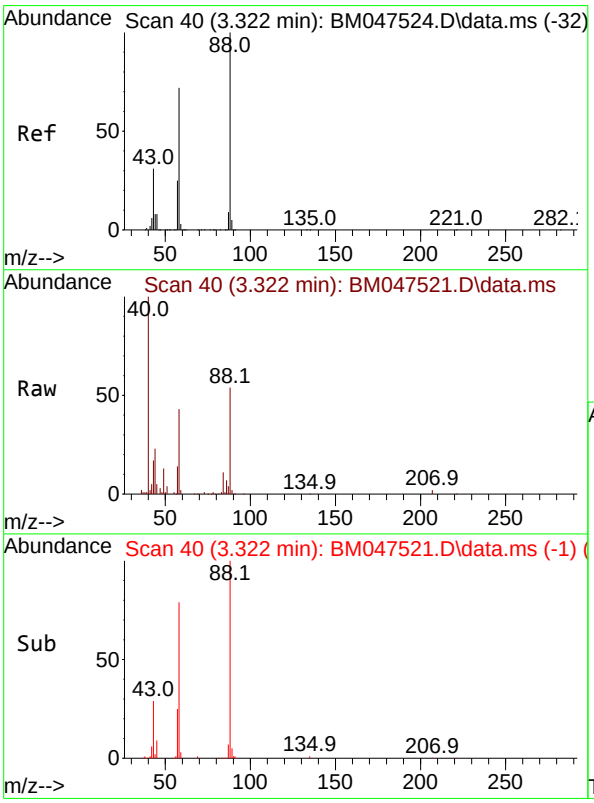
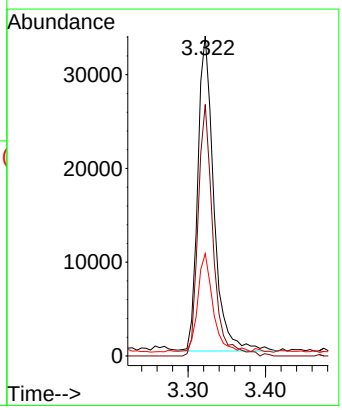
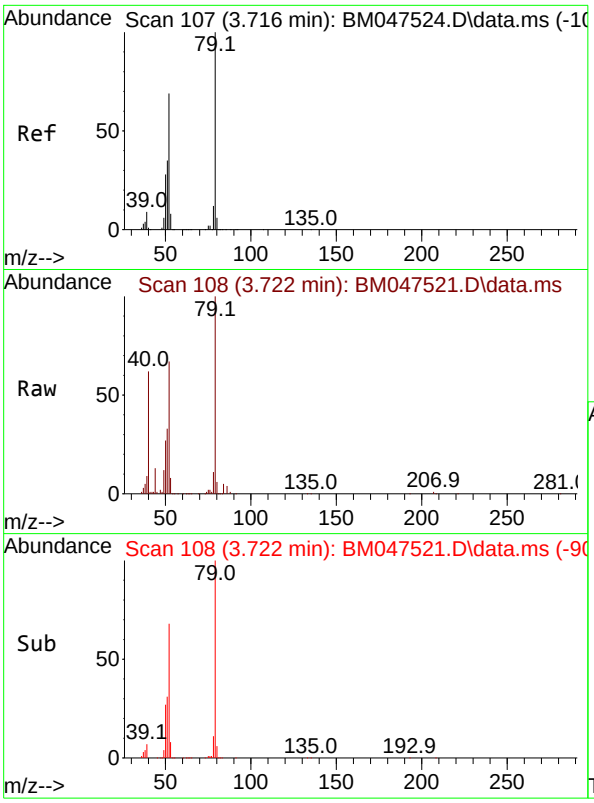



#2
1,4-Dioxane
Concen: 5.583 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 88 Resp: 48363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.2 | 59.0 | 88.6 |
| 43 | 29.3 | 25.0 | 37.4 |

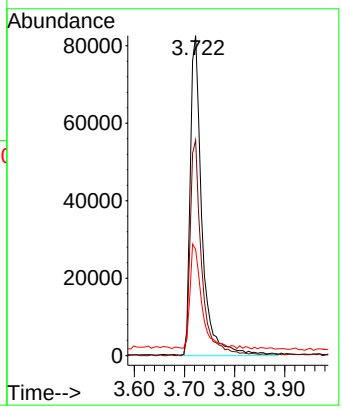





#3
Pyridine
Concen: 5.246 ng
RT: 3.722 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 79 Resp: 13521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.4 | 55.4 | 83.0 |
| 51 | 33.2 | 27.9 | 41.9 |




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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
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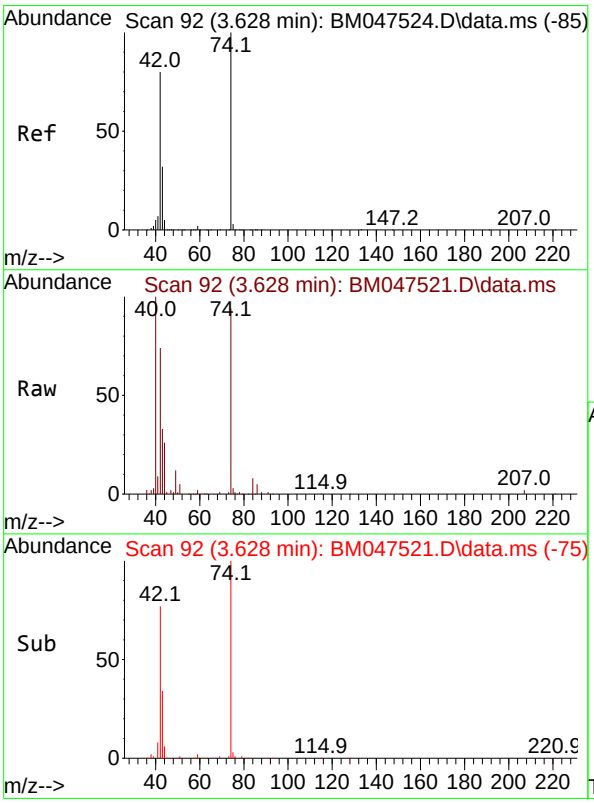
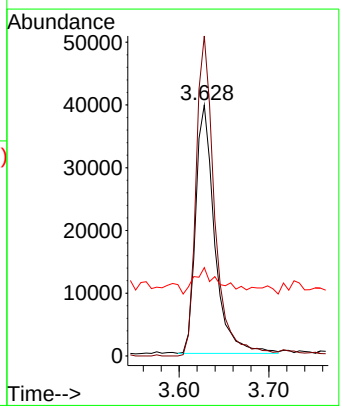
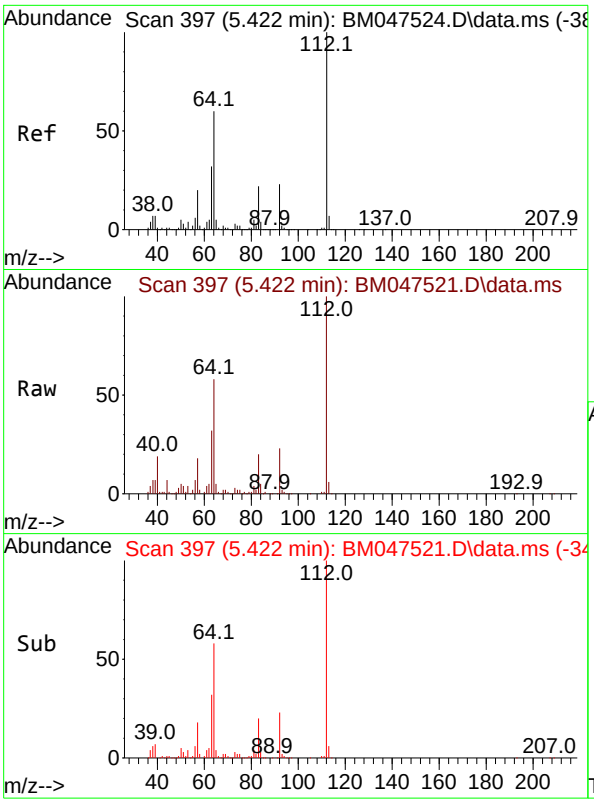



#4
n-Nitrosodimethylamine
Concen: 4.980 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 42 Resp: 58259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.5 | 100.5 | 150.7 |
| 44 | 35.2 | 6.9 | 10.3# |






#5
2-Fluorophenol
Concen: 9.677 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:112 Resp: 19570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.7 | 48.2 | 72.4 |
| 63 | 31.7 | 26.0 | 39.0 |

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

**Manual Integrations**
**APPROVED**

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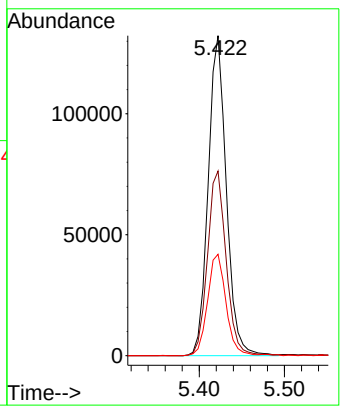
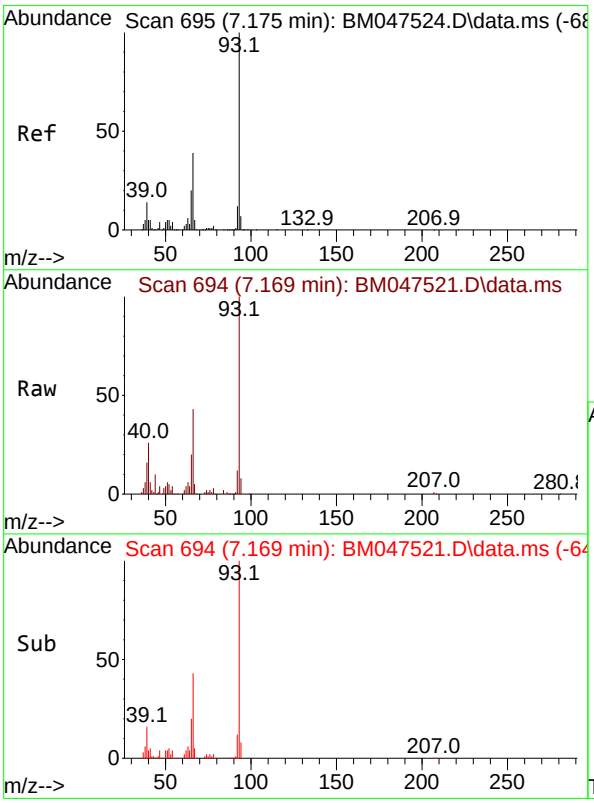
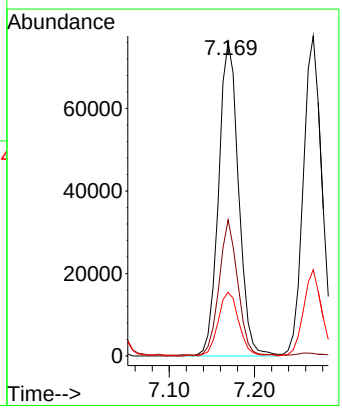


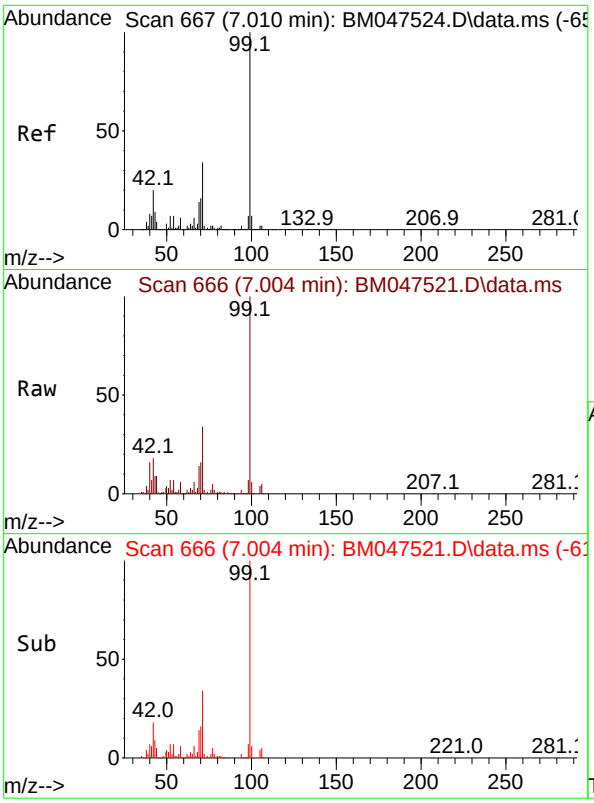




#6
Aniline
Concen: 4.915 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 93 Resp: 124093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 43.4 | 31.4 | 47.0 |
| 65 | 20.3 | 16.3 | 24.5 |

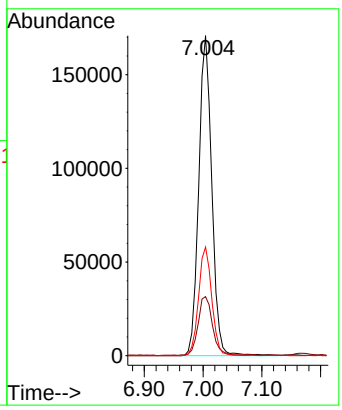





#7
Phenol-d6
Concen: 9.226 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 99 Resp: 26275

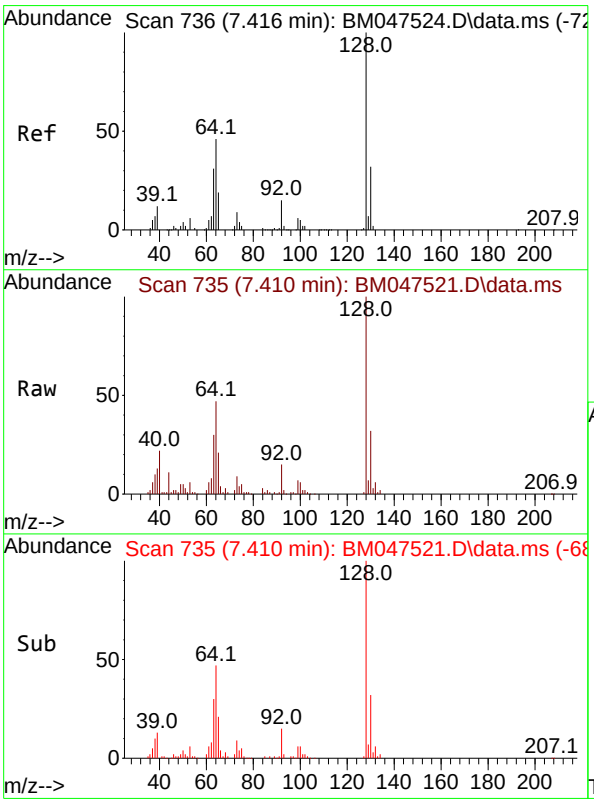
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.8 | 23.8 |
| 71 | 34.0 | 27.6 | 41.4 |




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

**Manual Integrations**
**APPROVED**

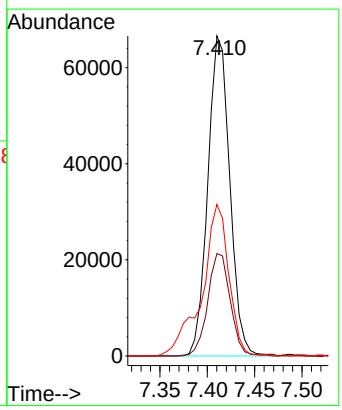
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

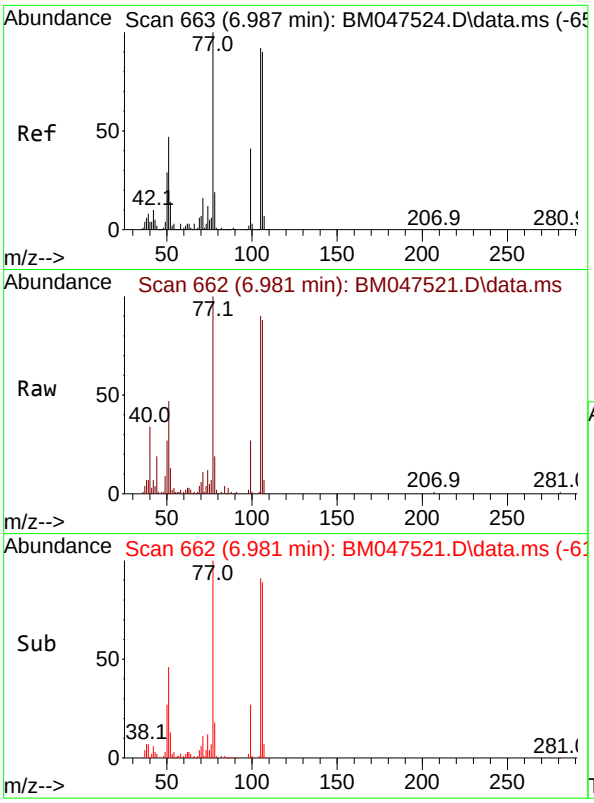



#8
2-Chlorophenol
Concen: 4.830 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:128 Resp: 107673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 11.8 | 51.8 |
| 64 | 47.4 | 27.6 | 67.6 |

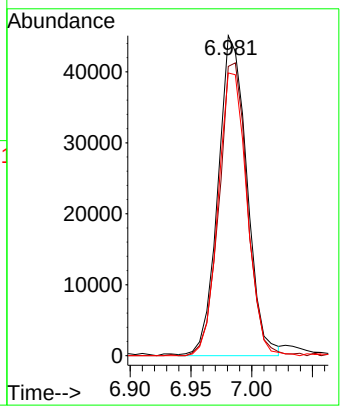





#9
Benzaldehyde
Concen: 5.488 ng m
RT: 6.981 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 7431(

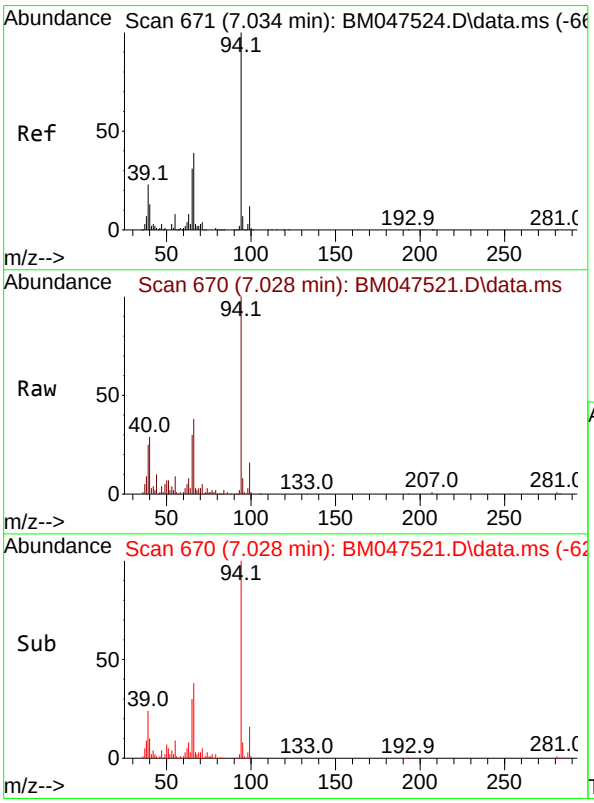
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.4 | 71.8 | 111.8 |
| 106 | 88.4 | 69.7 | 109.7 |




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

**Manual Integrations**
**APPROVED**

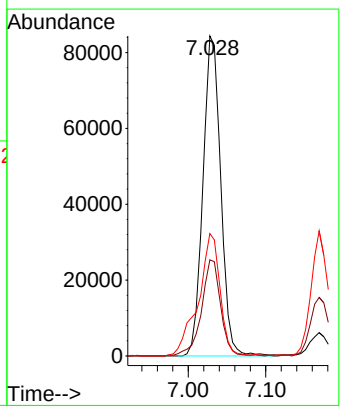
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

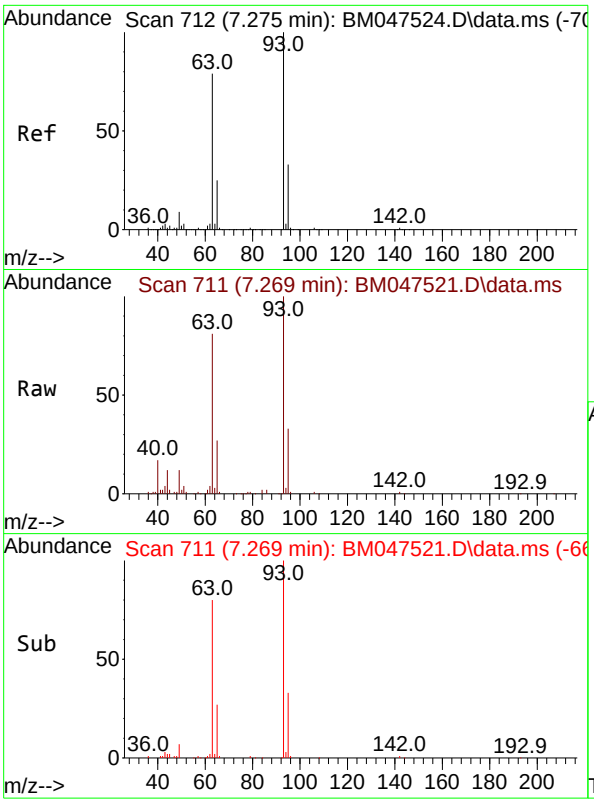



#10
Phenol
Concen: 4.732 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 94 Resp: 134938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.1 | 10.8 | 50.8 |
| 66 | 38.3 | 19.2 | 59.2 |






#11
bis(2-Chloroethyl)ether
Concen: 5.101 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

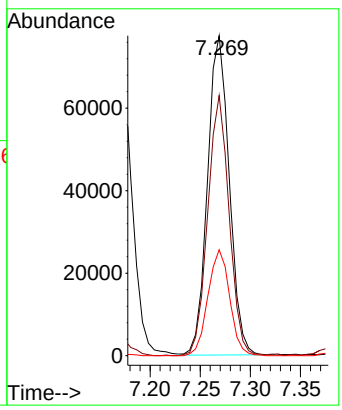
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

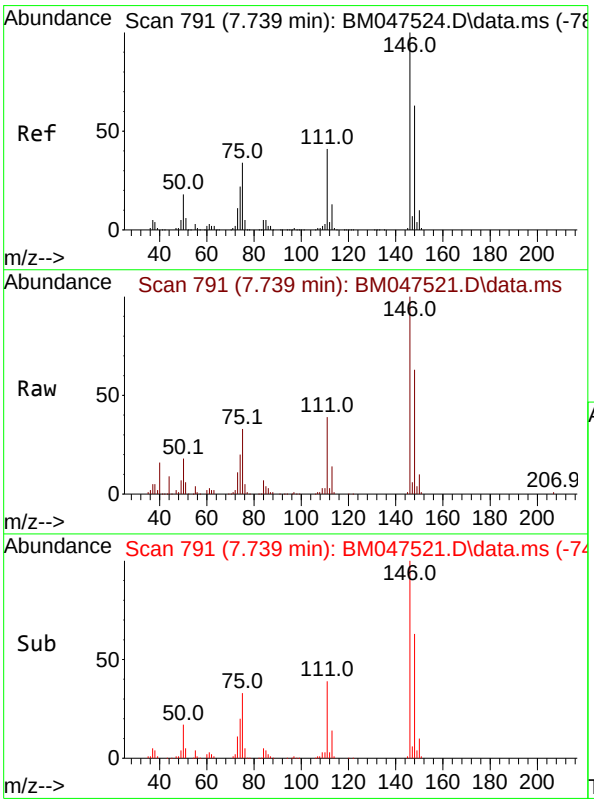
Tgt Ion: 93 Resp: 11679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.3 | 58.2 | 98.2 |
| 95 | 33.1 | 12.8 | 52.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

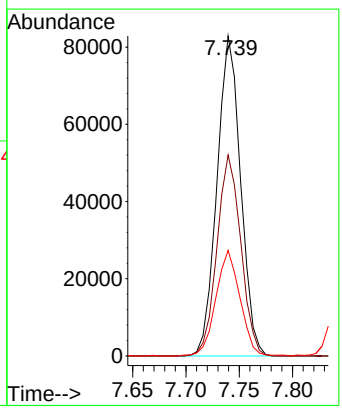


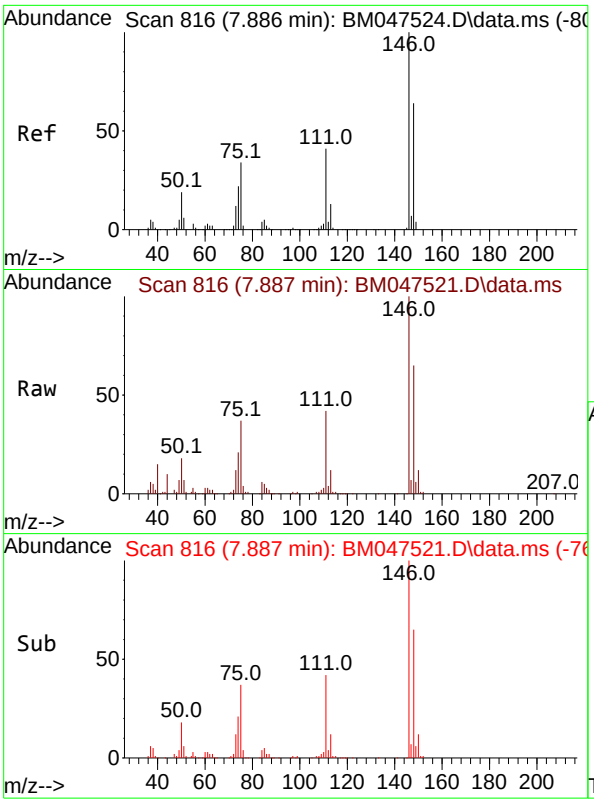




#12
1,3-Dichlorobenzene
Concen: 5.232 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 127671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.2 | 75.4 |
| 75 | 33.0 | 27.4 | 41.0 |

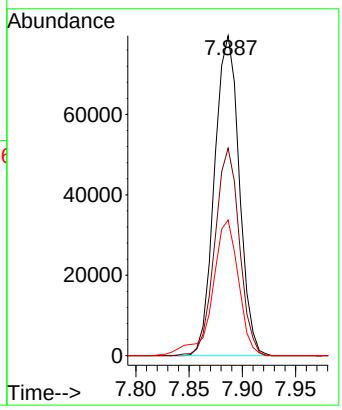





#13
1,4-Dichlorobenzene
Concen: 5.161 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 12827(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.3 | 76.9 |
| 111 | 42.4 | 32.9 | 49.3 |




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

**Manual Integrations**
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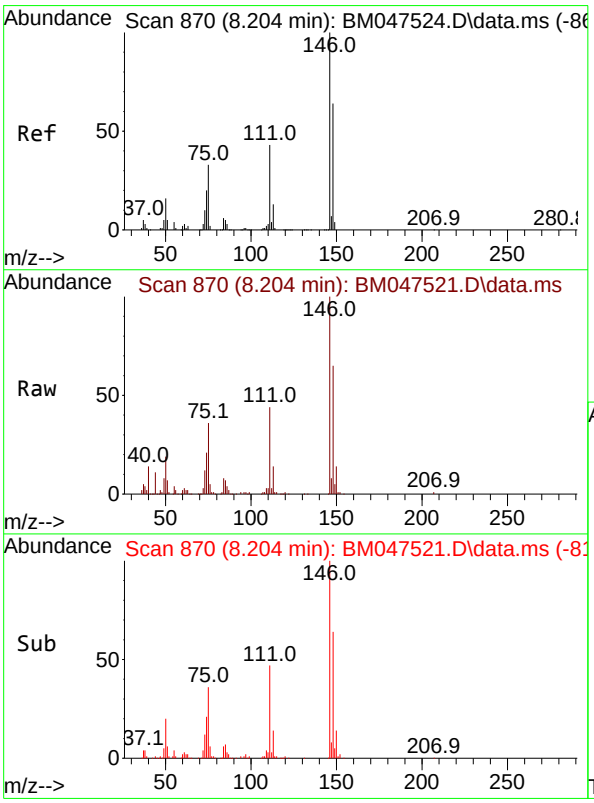
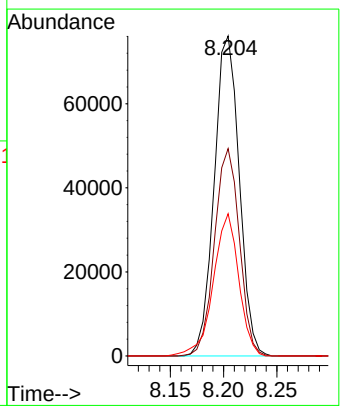
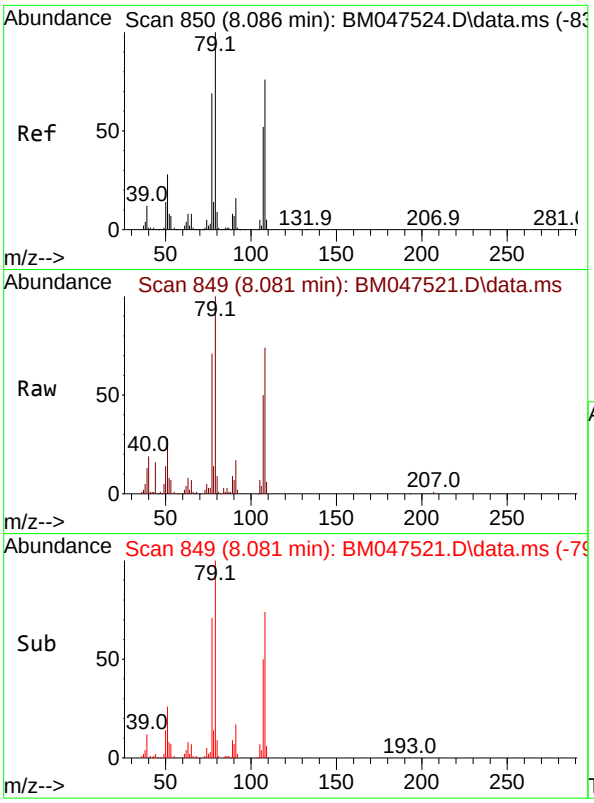



#14
1,2-Dichlorobenzene
Concen: 5.084 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:146 Resp: 124358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.1 | 76.7 |
| 111 | 44.5 | 34.7 | 52.1 |






#15
Benzyl Alcohol
Concen: 4.566 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 79 Resp: 8809(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.7 | 60.6 | 91.0 |
| 77 | 70.7 | 55.0 | 82.4 |

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

**Manual Integrations**
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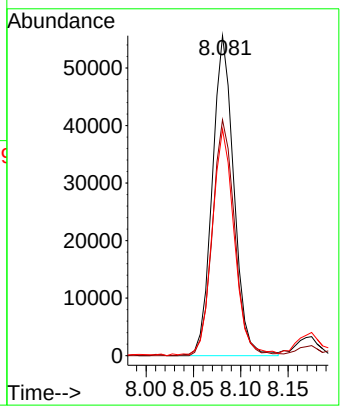
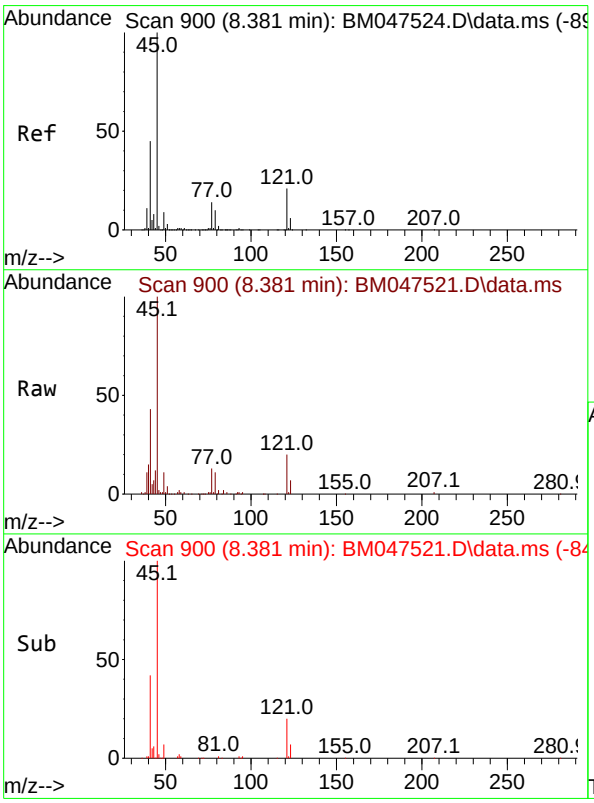
Supervised By :mohammad ahmed 09/17/2024

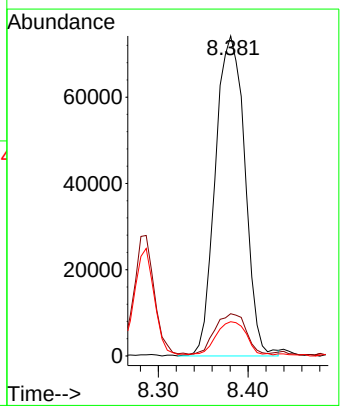


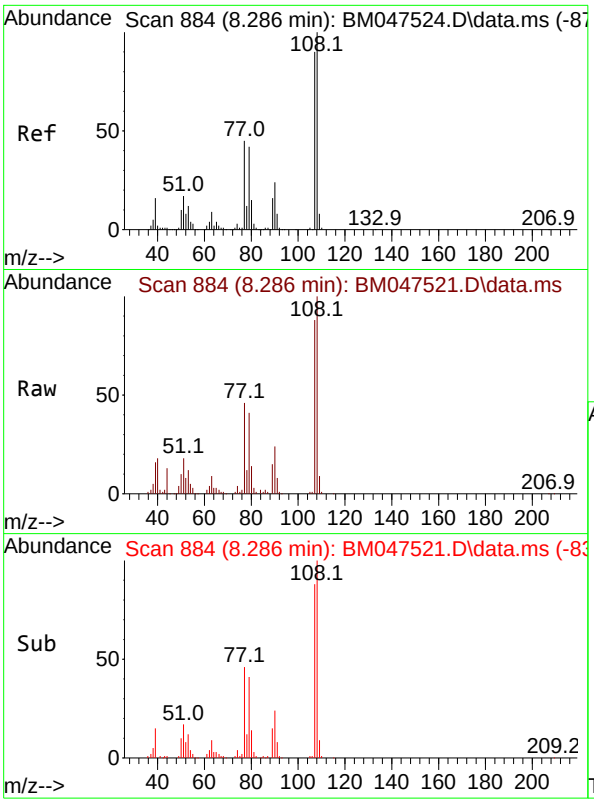




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.258 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 45 Resp: 169328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.2 | 0.0 | 33.7 |
| 79 | 10.7 | 0.0 | 30.3 |

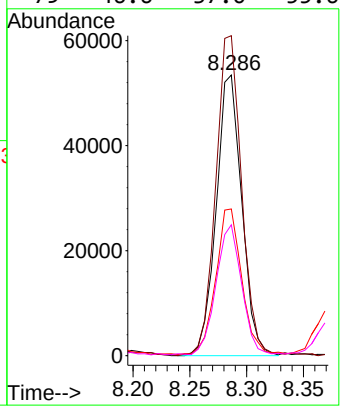





#17
2-Methylphenol
Concen: 4.599 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 8377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.0 | 88.9 | 133.3 |
| 77 | 52.3 | 39.8 | 59.8 |
| 79 | 46.6 | 37.0 | 55.6 |




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

**Manual Integrations**
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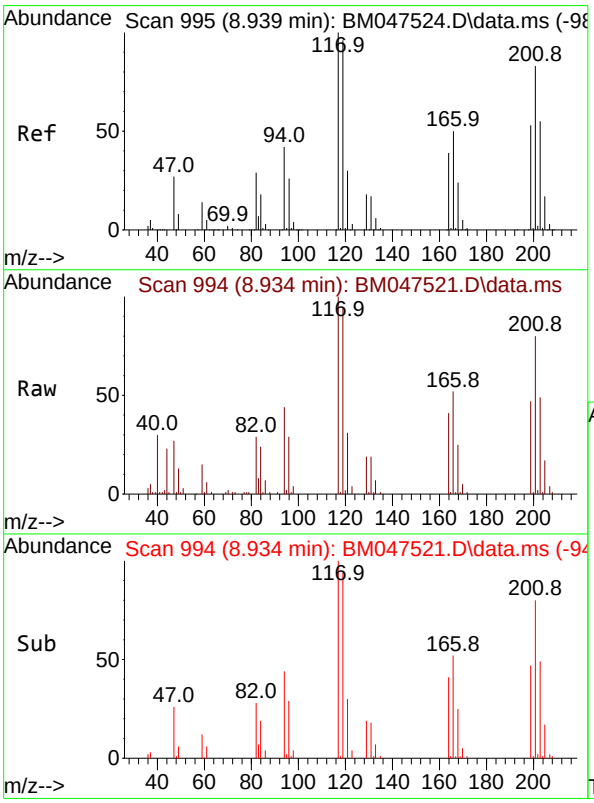
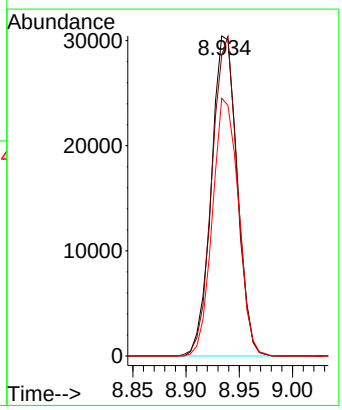
Supervised By :mohammad ahmed 09/17/2024

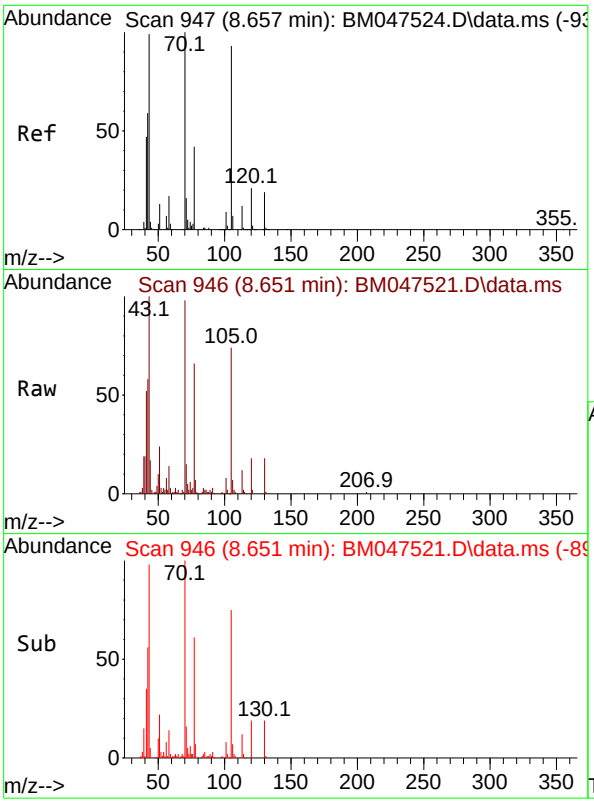



#18
Hexachloroethane
Concen: 5.180 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:117 Resp: 51435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.9 | 77.0 | 115.4 |
| 201 | 80.5 | 66.8 | 100.2 |

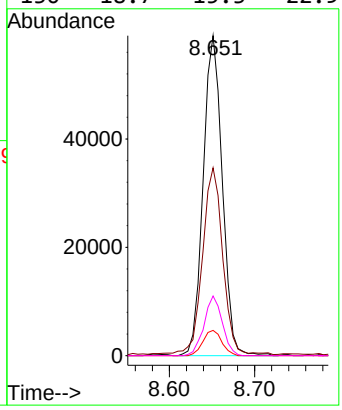





#19
n-Nitroso-di-n-propylamine
Concen: 4.797 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 70 Resp: 9211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.7 | 48.2 | 72.2 |
| 101 | 7.9 | 7.0 | 10.4 |
| 130 | 18.7 | 15.3 | 22.9 |




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

**Manual Integrations**
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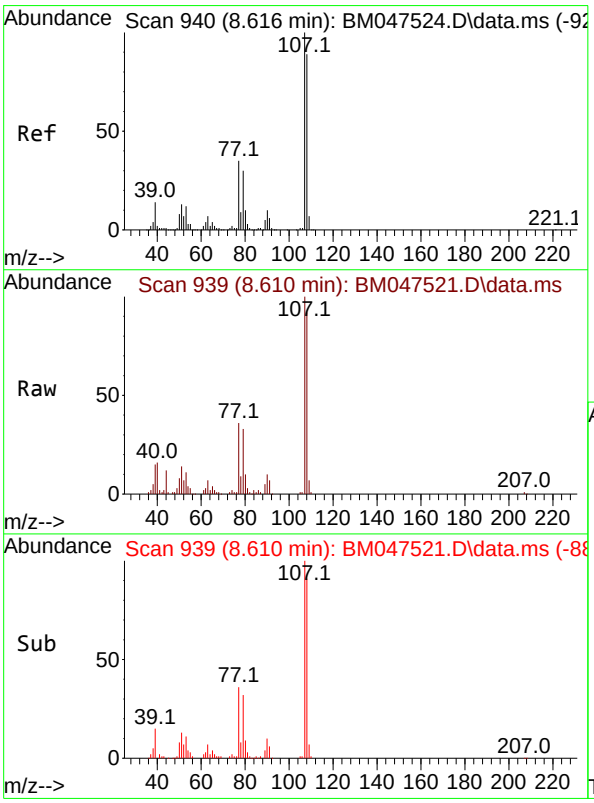
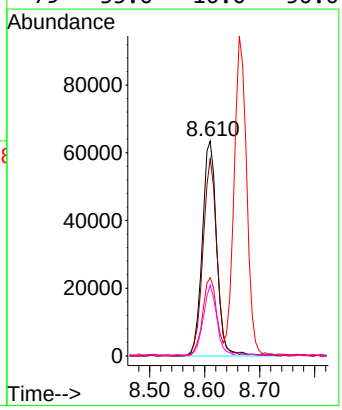
Supervised By :mohammad ahmed 09/17/2024

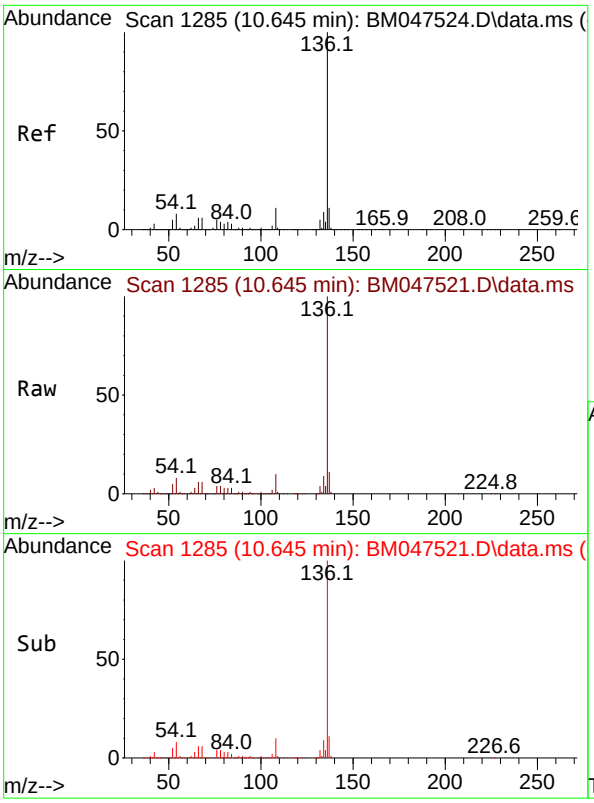



#20
3+4-Methylphenols
Concen: 4.562 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 115966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 68.9 | 108.9 |
| 77 | 36.4 | 15.5 | 55.5 |
| 79 | 33.0 | 10.0 | 50.0 |

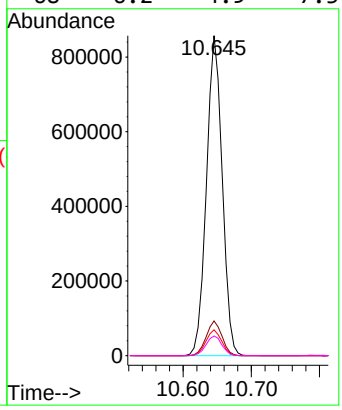





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:136 Resp: 137960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 8.1 | 6.6 | 9.8 |
| 68 | 6.2 | 4.9 | 7.3 |




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

**Manual Integrations**
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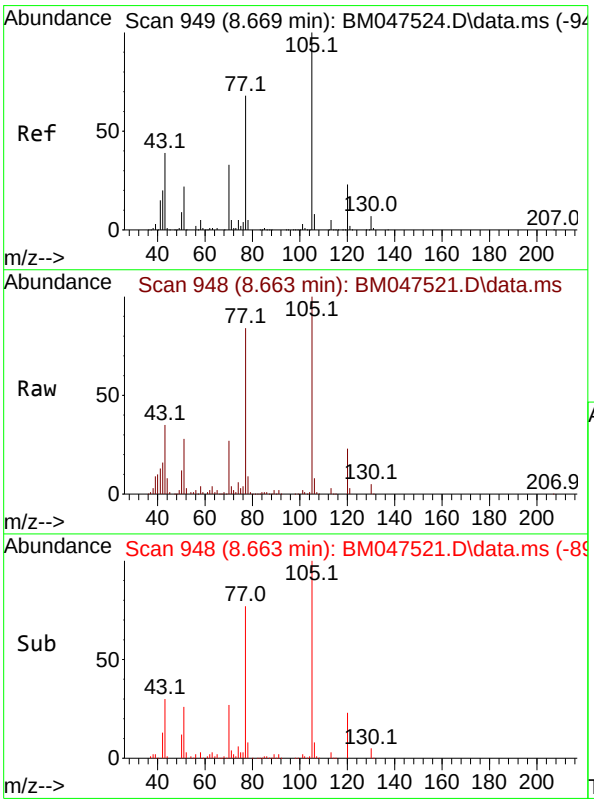
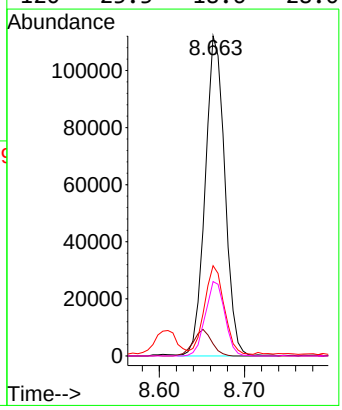
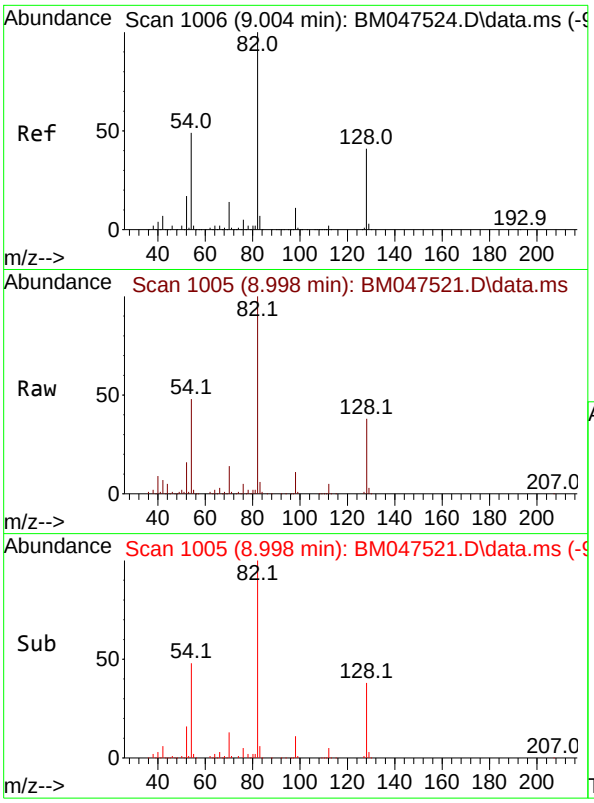



#22
Acetophenone
Concen: 4.953 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:105 Resp: 179648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.8 | 4.3 | 6.5# |
| 51 | 28.2 | 21.5 | 32.3 |
| 120 | 23.3 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 9.682 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 82 Resp: 26689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.0 | 33.0 | 49.4 |
| 54 | 48.4 | 39.3 | 58.9 |

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

**Manual Integrations**
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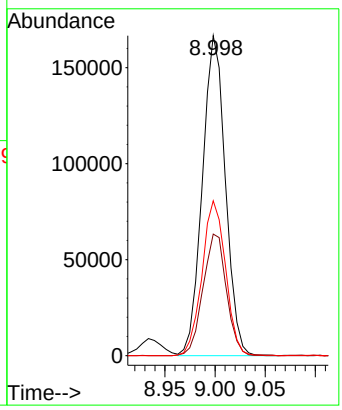
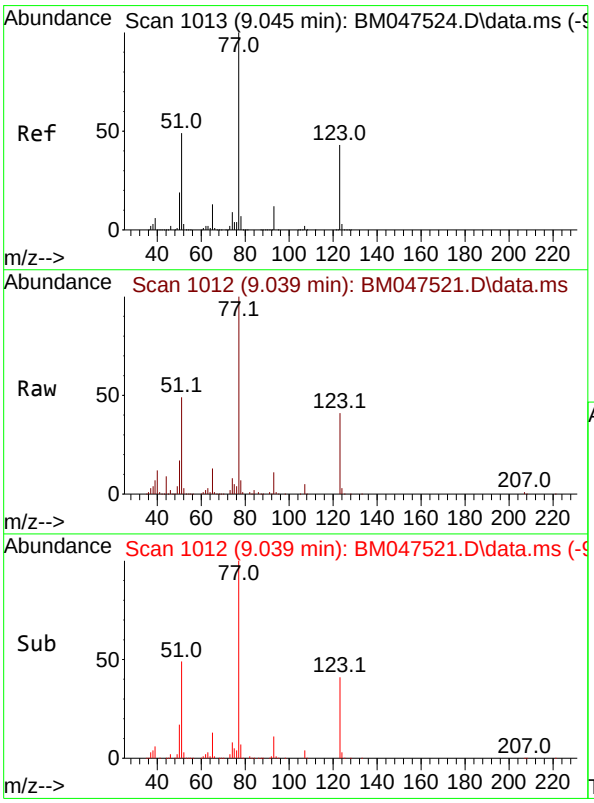
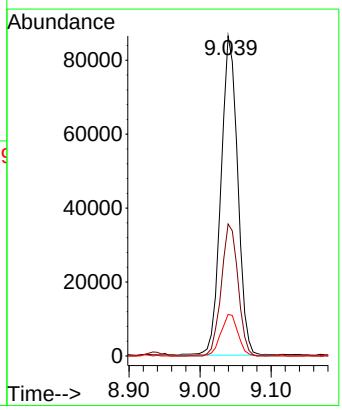


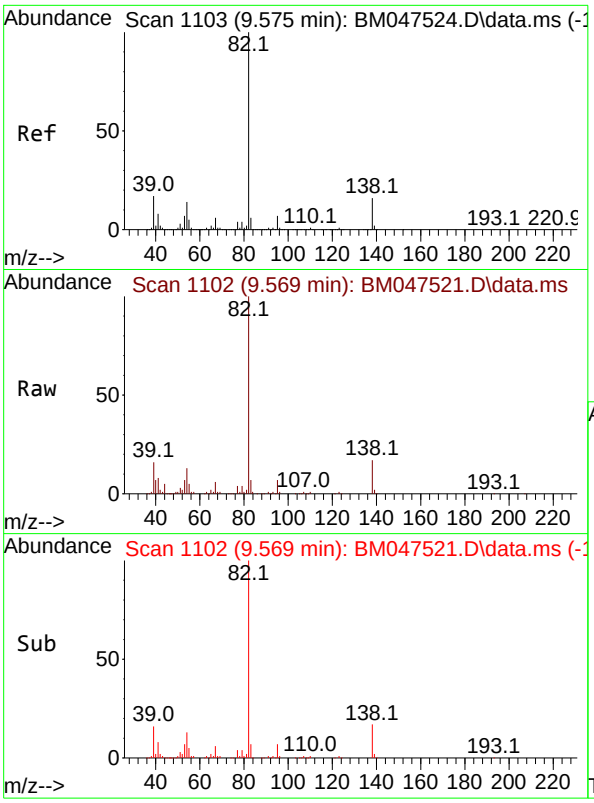




#24
Nitrobenzene
Concen: 4.984 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 141172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 41.2 | 34.5 | 51.7 |
| 65 | 13.0 | 10.7 | 16.1 |

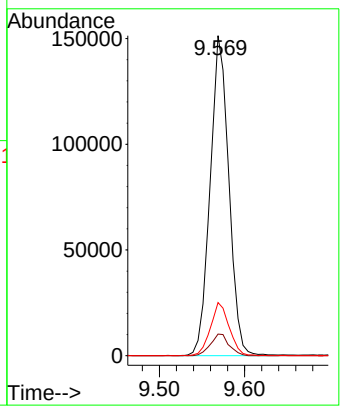





#25
Isophorone
Concen: 4.779 ng
RT: 9.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 82 Resp: 23159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.4 | 8.0 |
| 138 | 16.6 | 12.9 | 19.3 |




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

**Manual Integrations**
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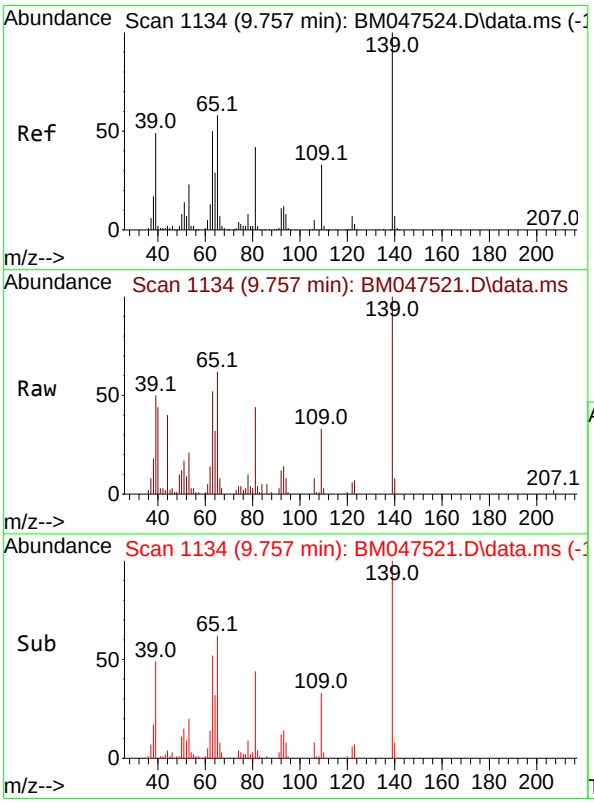
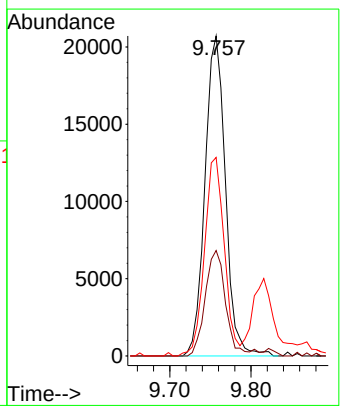
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

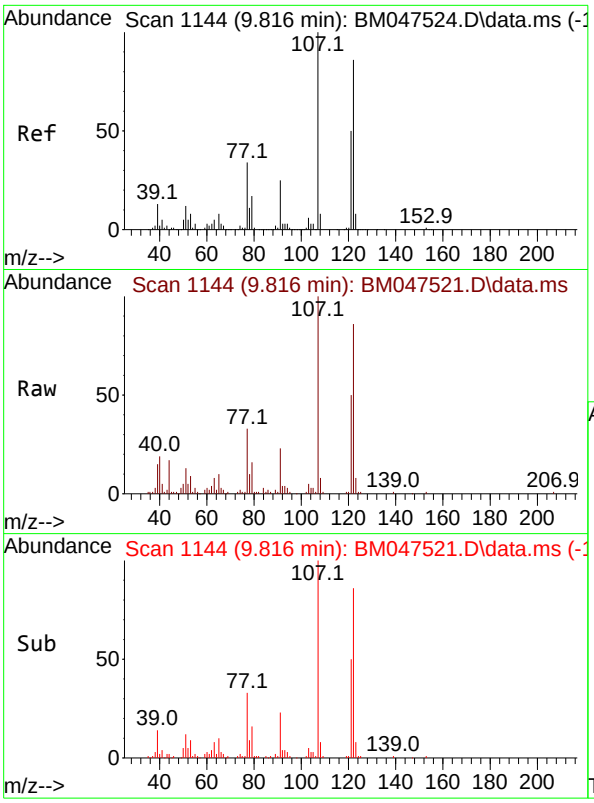



#26
2-Nitrophenol
Concen: 3.750 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:139 Resp: 36202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.9 | 26.0 | 39.0 |
| 65 | 62.1 | 46.2 | 69.4 |






#27
2,4-Dimethylphenol
Concen: 4.892 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:122 Resp: 7158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.6 | 92.4 | 138.6 |
| 121 | 58.2 | 46.2 | 69.4 |

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

**Manual Integrations**
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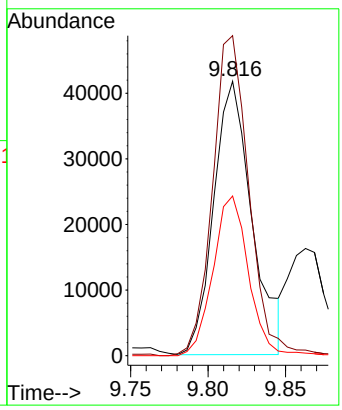
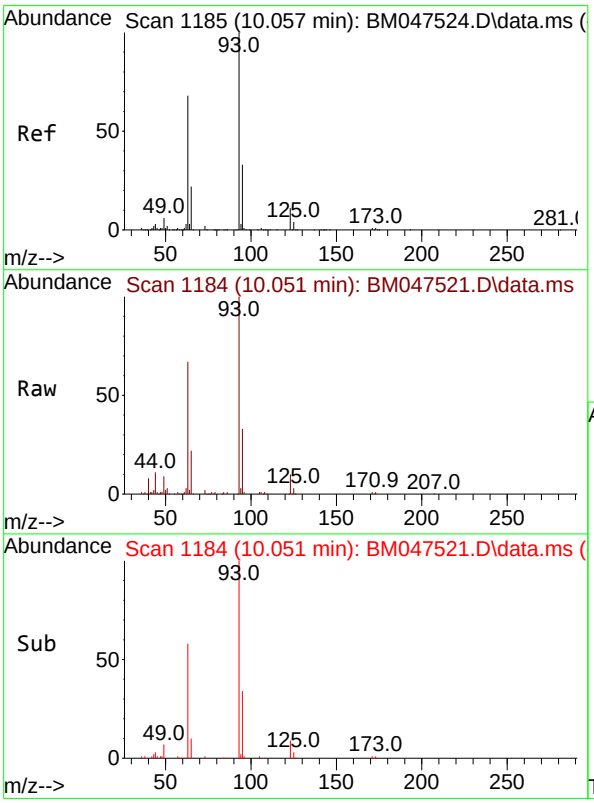
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

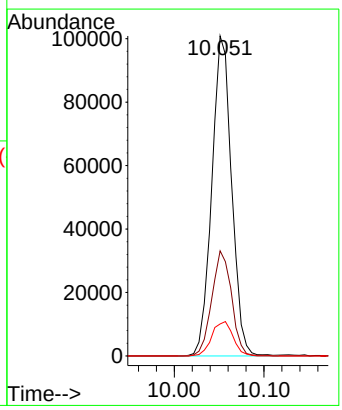


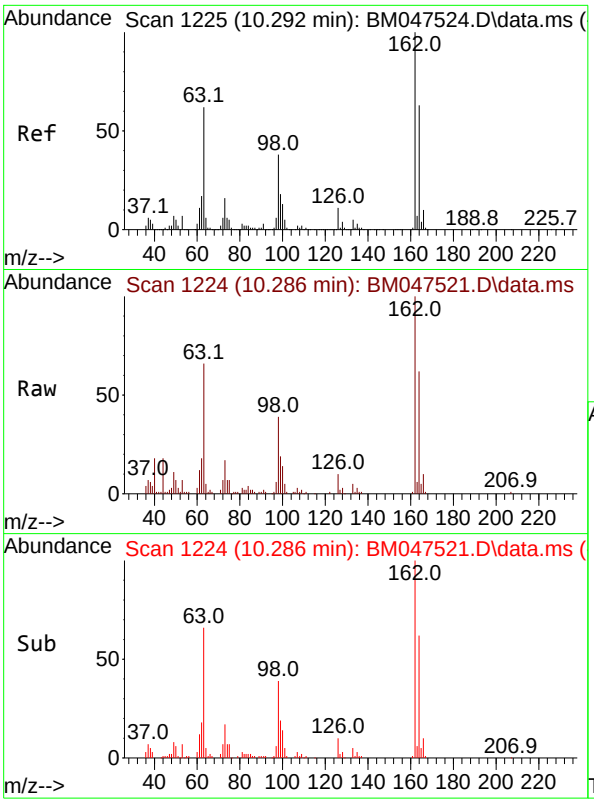




#28
bis(2-Chloroethoxy)methane
Concen: 5.077 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 93 Resp: 154543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.2 | 39.2 |
| 123 | 10.0 | 9.2 | 13.8 |

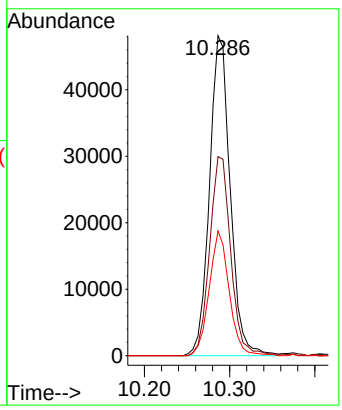





#29
2,4-Dichlorophenol
Concen: 4.377 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:162 Resp: 8137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.2 | 43.5 | 83.5 |
| 98 | 39.0 | 17.6 | 57.6 |




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

**Manual Integrations**
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Reviewed By :Yogesh Patel 09/16/2024
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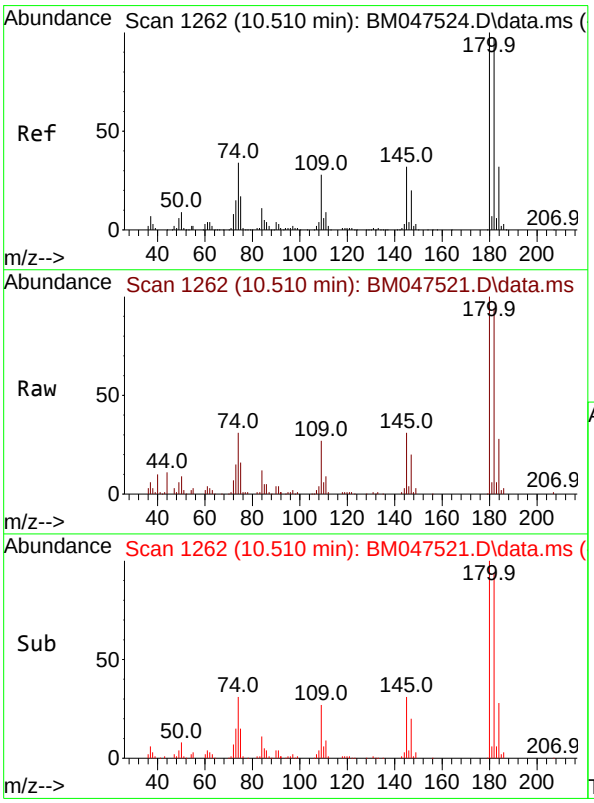
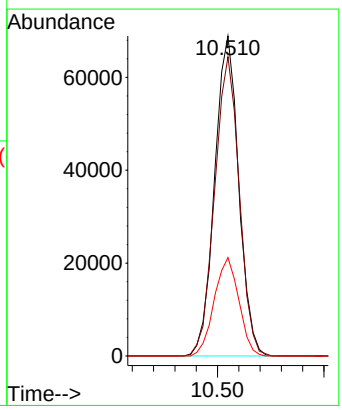
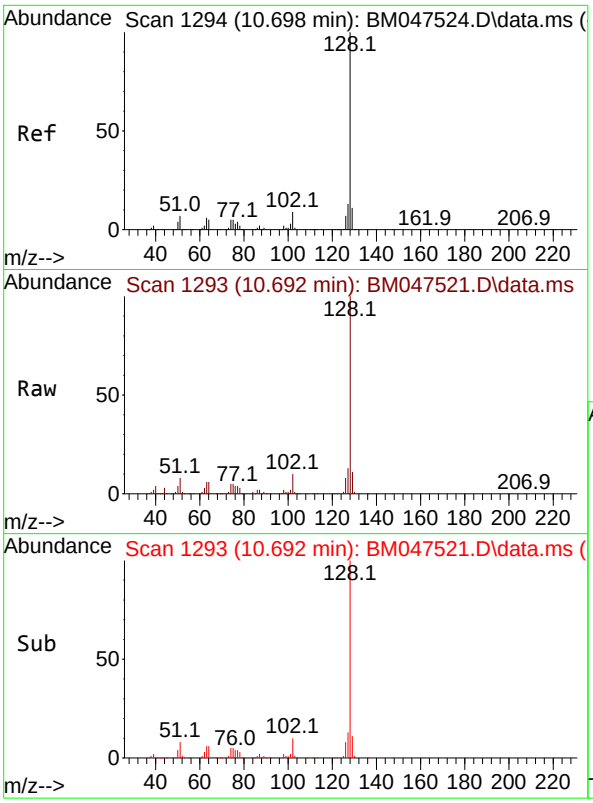



#30
1,2,4-Trichlorobenzene
Concen: 5.074 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:180 Resp: 108051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.5 | 77.6 | 116.4 |
| 145 | 30.7 | 25.4 | 38.0 |

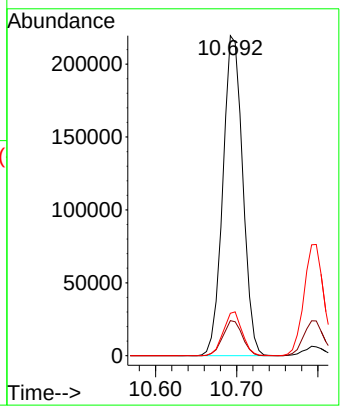





#31
Naphthalene
Concen: 5.011 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:128 Resp: 373399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.3 | 10.5 | 15.7 |




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

**Manual Integrations**
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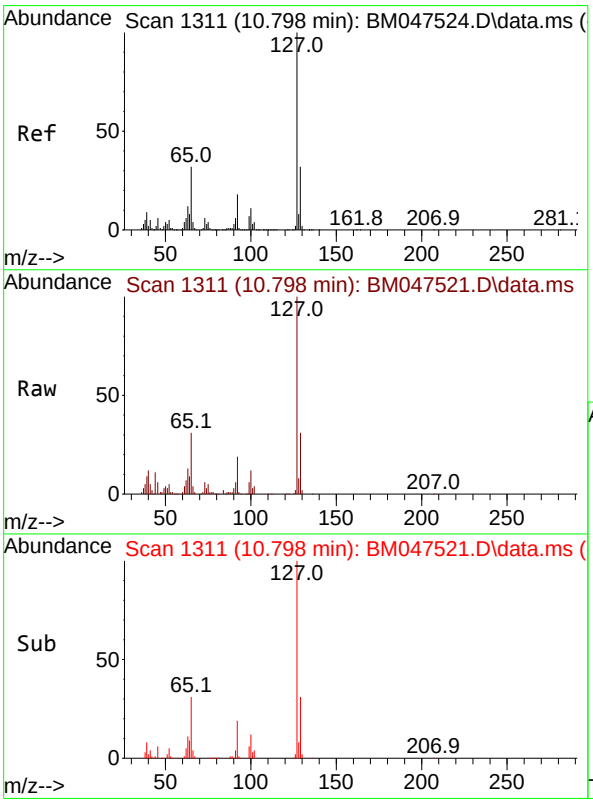
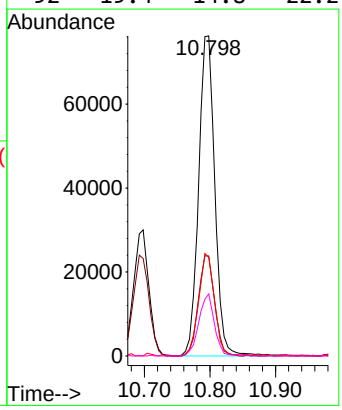
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

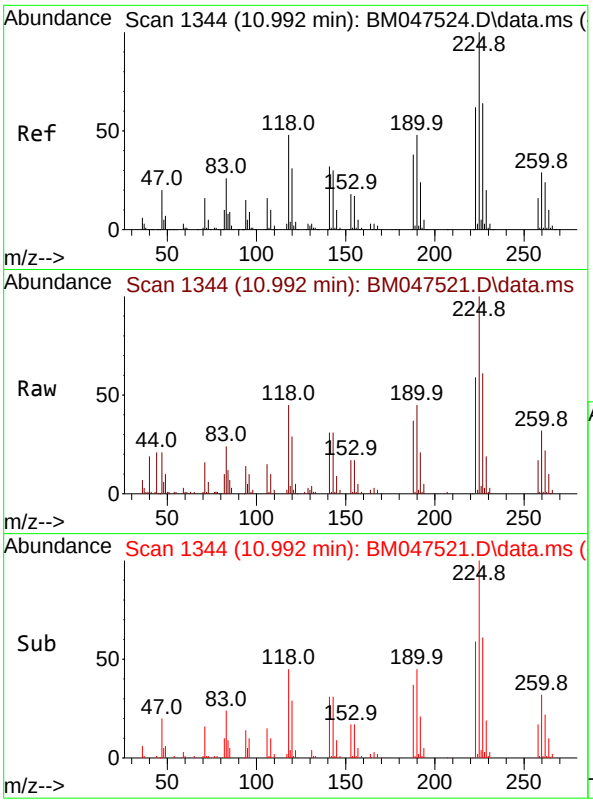



#33
4-Chloroaniline
Concen: 4.890 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:127 Resp: 131738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.2 | 25.4 | 38.0 |
| 65 | 30.8 | 25.5 | 38.3 |
| 92 | 19.4 | 14.8 | 22.2 |

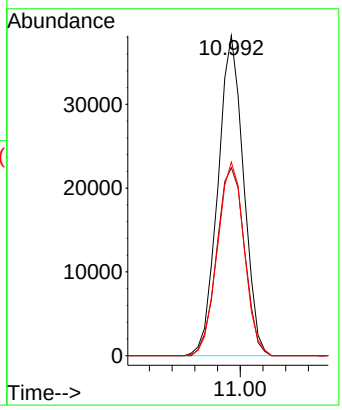





#34
Hexachlorobutadiene
Concen: 5.071 ng
RT: 10.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:225 Resp: 5981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 58.8 | 49.8 | 74.6 |
| 227 | 60.5 | 51.0 | 76.4 |




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

**Manual Integrations**
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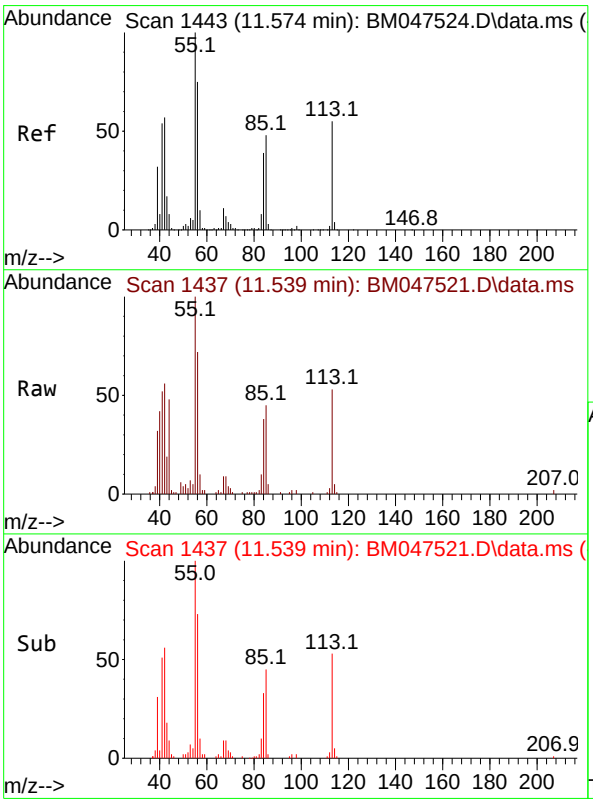
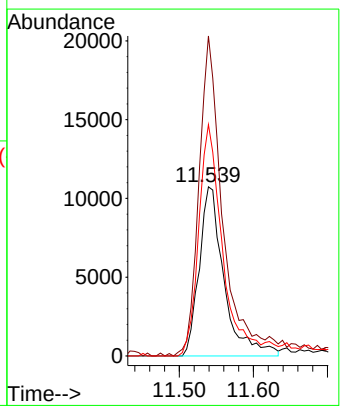
Supervised By :mohammad ahmed 09/17/2024

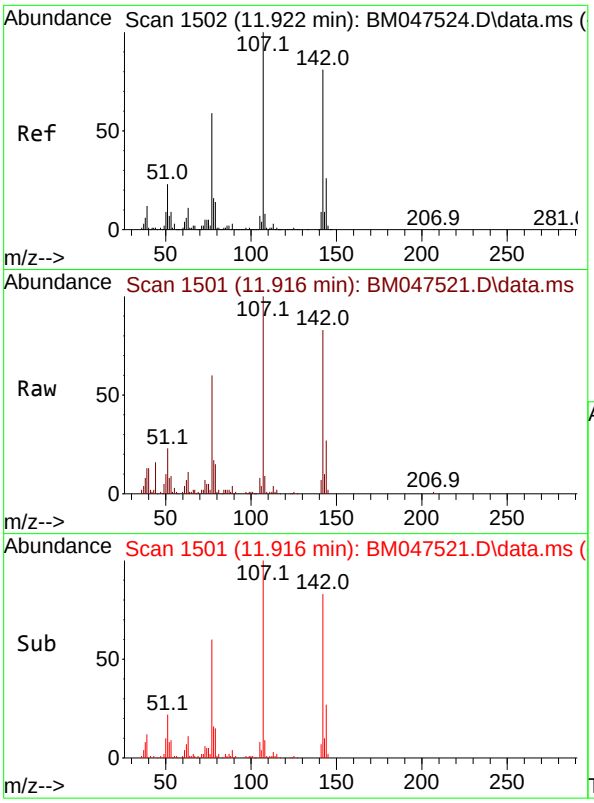



#35
Caprolactam
Concen: 4.093 ng
RT: 11.539 min Scan# 1437
Delta R.T. -0.035 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:113 Resp: 25064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 189.2 | 162.5 | 202.5 |
| 56 | 136.8 | 116.5 | 156.5 |

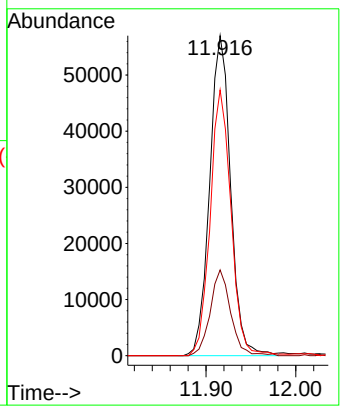





#36
4-Chloro-3-methylphenol
Concen: 4.348 ng
RT: 11.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:107 Resp: 9262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.8 | 20.5 | 30.7 |
| 142 | 83.0 | 65.0 | 97.4 |




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

**Manual Integrations**
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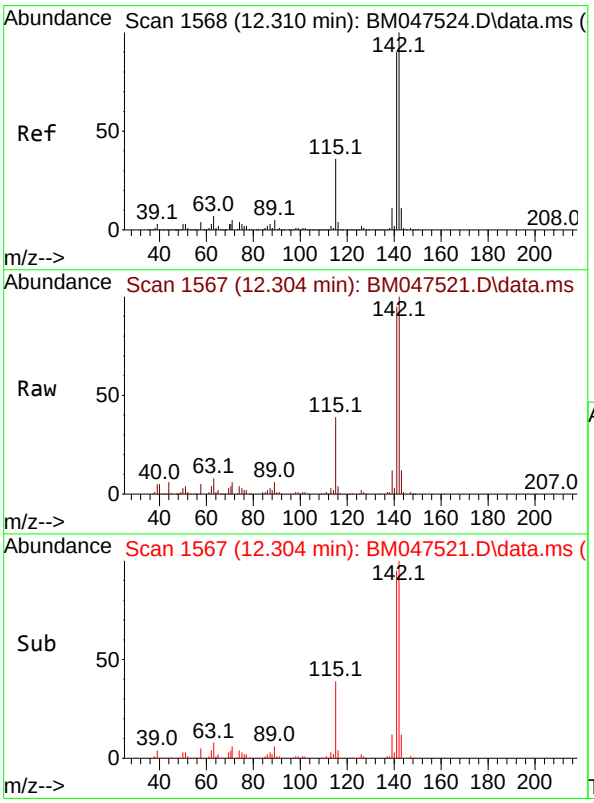
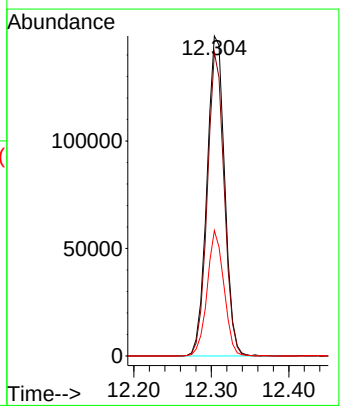
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

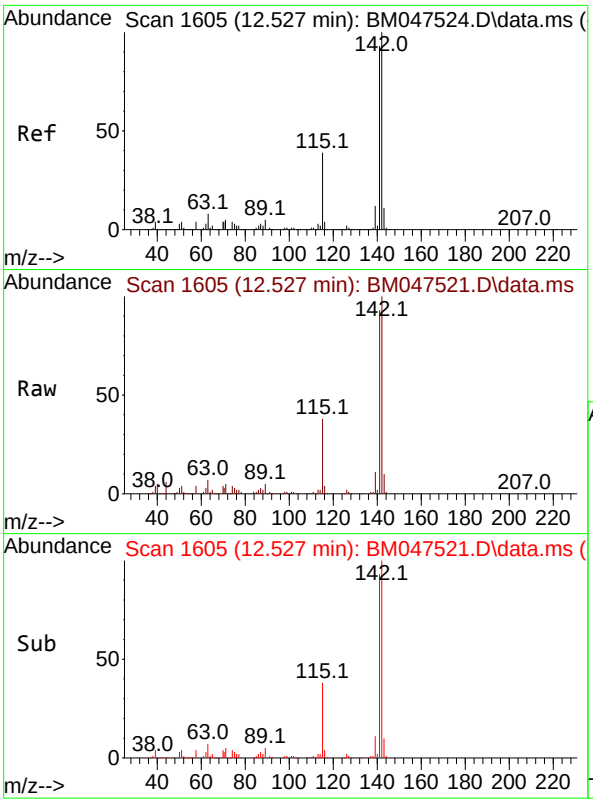



#37
2-Methylnaphthalene
Concen: 4.750 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:142 Resp: 235563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.9 | 72.2 | 108.4 |
| 115 | 39.2 | 29.1 | 43.7 |

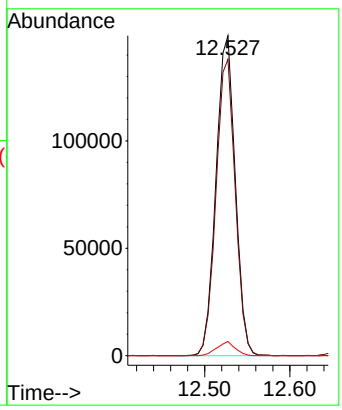





#38
1-Methylnaphthalene
Concen: 4.751 ng
RT: 12.527 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:142 Resp: 23413(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 74.7 | 112.1 |
| 116 | 4.5 | 3.2 | 4.8 |




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

**Manual Integrations**
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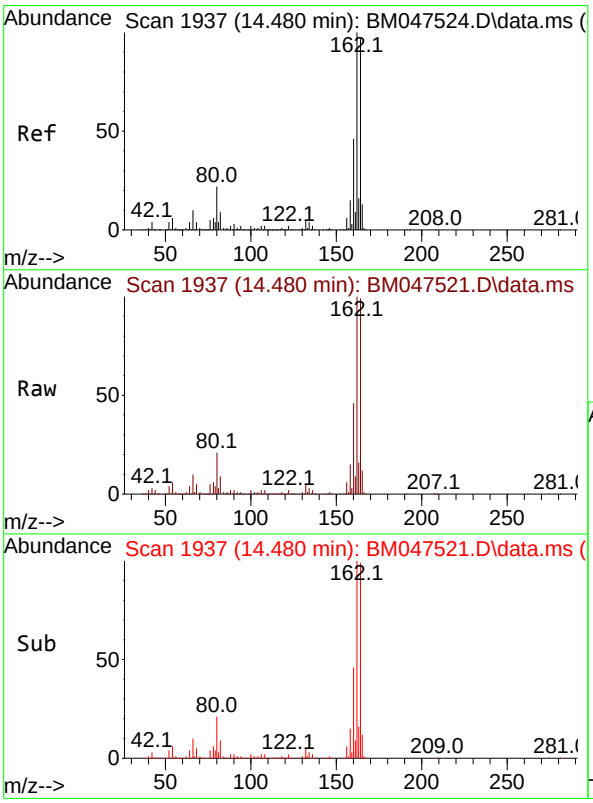
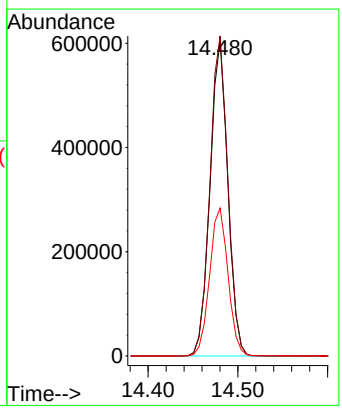
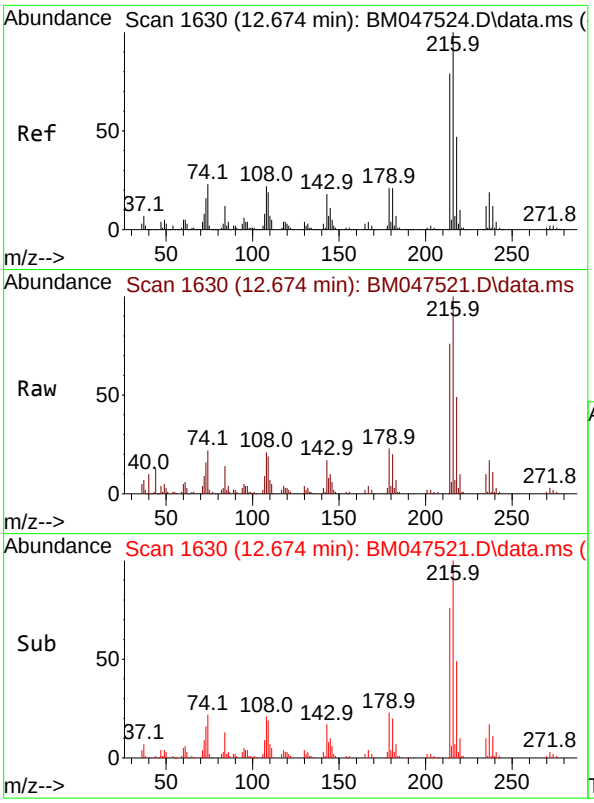



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:164 Resp: 831511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 82.2 | 123.2 |
| 160 | 46.9 | 38.2 | 57.2 |

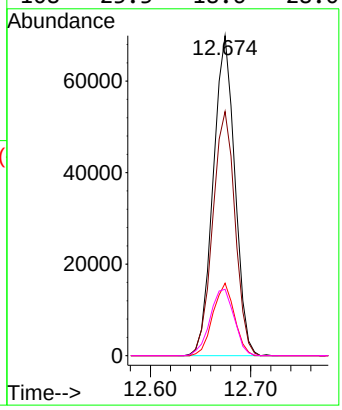





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.663 ng
RT: 12.674 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:216 Resp: 10492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 63.0 | 94.6 |
| 179 | 22.4 | 17.5 | 26.3 |
| 108 | 23.3 | 18.6 | 28.0 |




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

**Manual Integrations**
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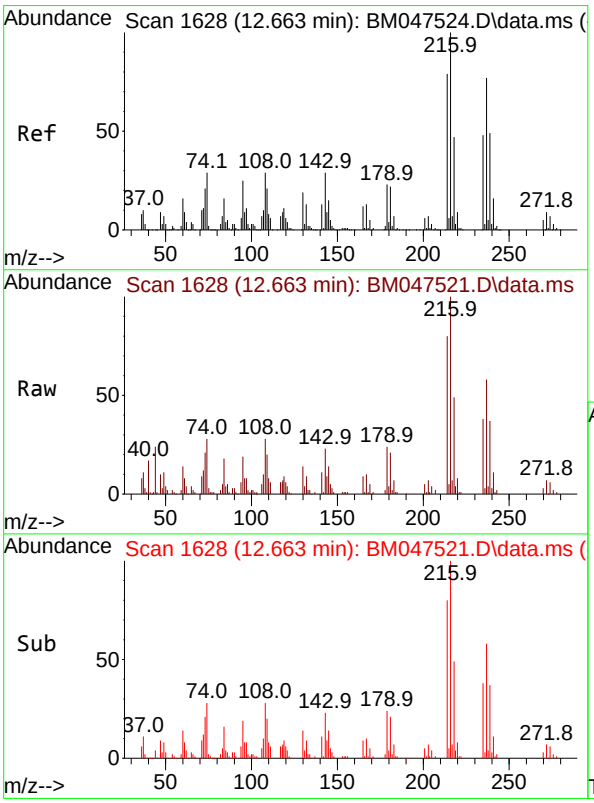
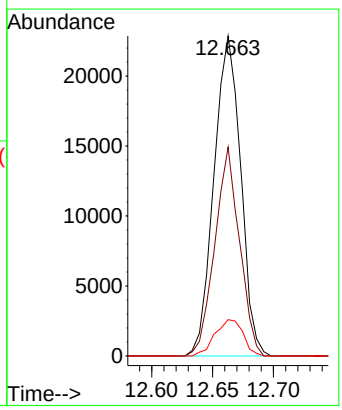
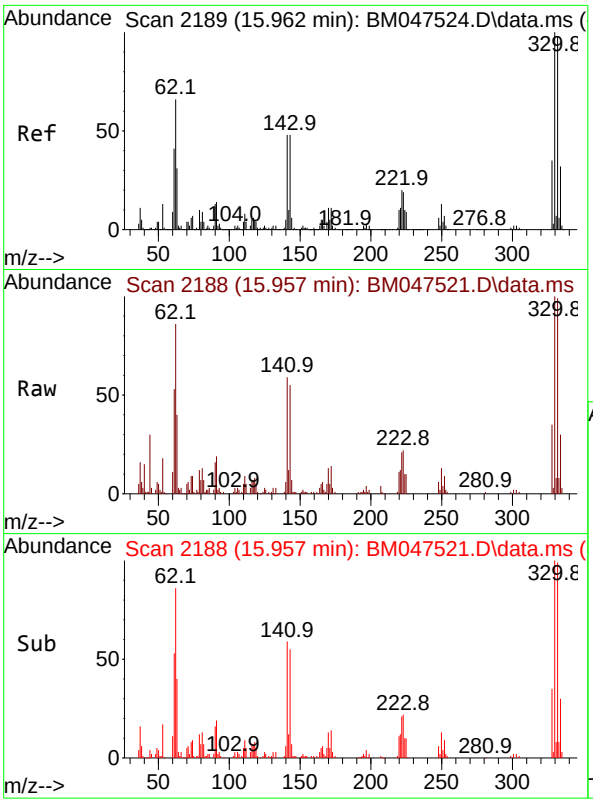



#41
Hexachlorocyclopentadiene
Concen: 4.746 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:237 Resp: 34913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 65.3 | 42.0 | 82.0 |
| 272 | 11.3 | 0.0 | 31.5 |

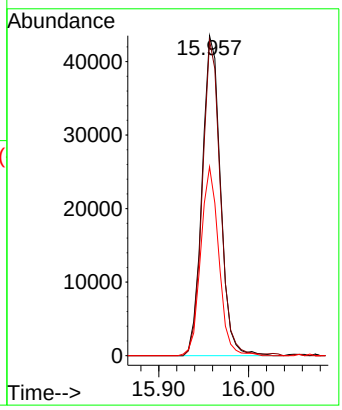





#42
2,4,6-Tribromophenol
Concen: 7.689 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:330 Resp: 6180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 76.9 | 115.3 |
| 141 | 57.9 | 42.2 | 63.2 |




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

**Manual Integrations**
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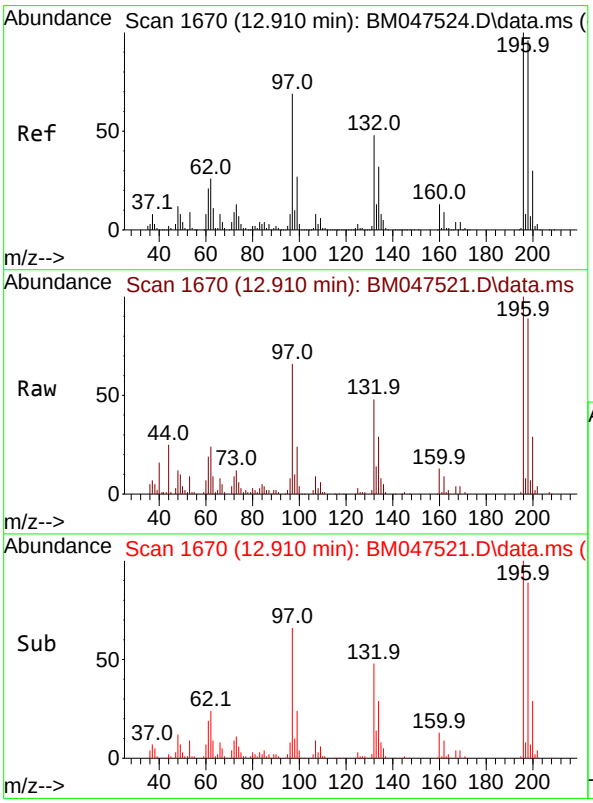
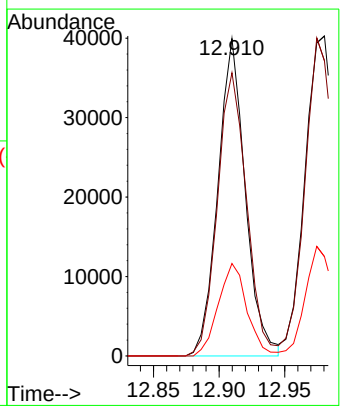
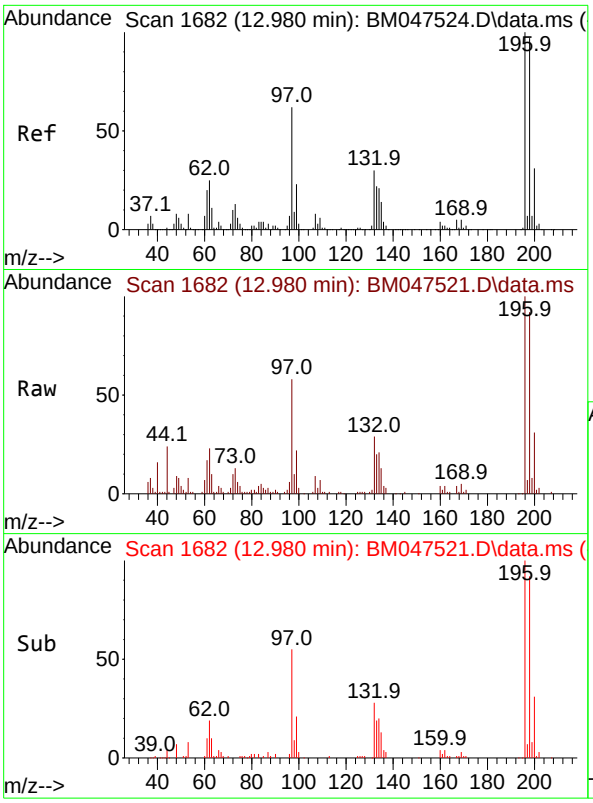



#43
2,4,6-Trichlorophenol
Concen: 4.119 ng
RT: 12.910 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:196 Resp: 58063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 89.2 | 76.9 | 115.3 |
| 200 | 29.1 | 24.3 | 36.5 |

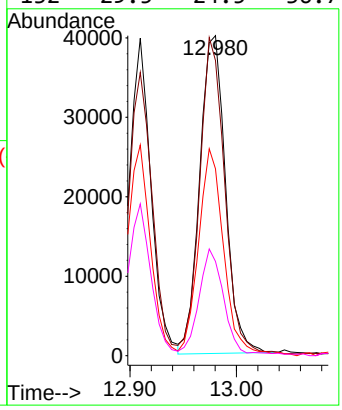





#44
2,4,5-Trichlorophenol
Concen: 4.228 ng
RT: 12.980 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:196 Resp: 6732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.3 | 77.4 | 116.2 |
| 97 | 58.4 | 49.8 | 74.8 |
| 132 | 29.5 | 24.5 | 36.7 |




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

**Manual Integrations**
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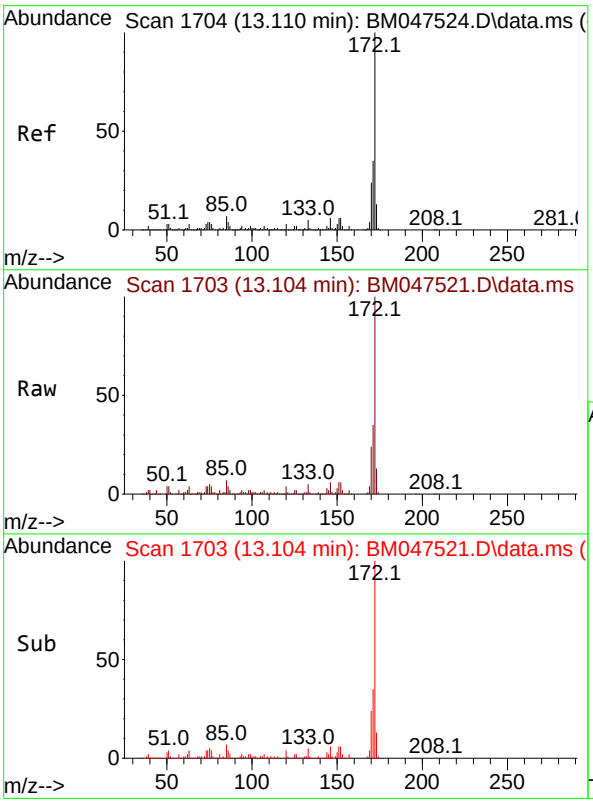
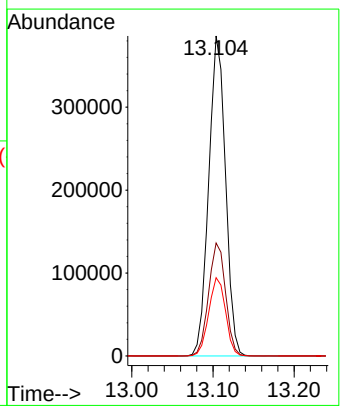
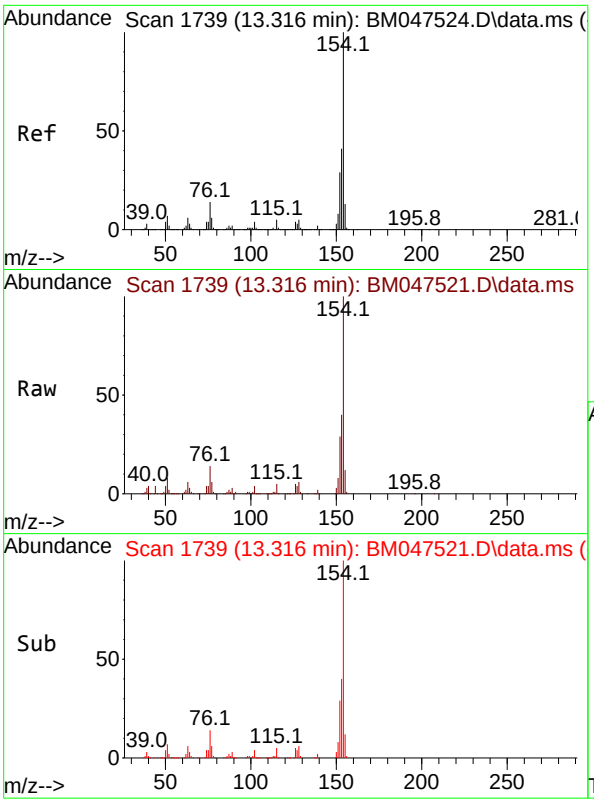



#45
2-Fluorobiphenyl
Concen: 9.167 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:172 Resp: 553330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.2 |
| 170 | 24.5 | 19.4 | 29.0 |

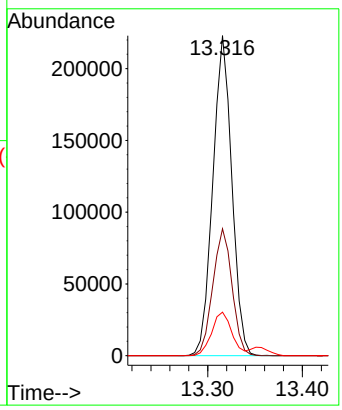





#46
1,1'-Biphenyl
Concen: 4.813 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:154 Resp: 31136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.7 | 20.6 | 60.6 |
| 76 | 13.6 | 0.0 | 33.9 |




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

**Manual Integrations**
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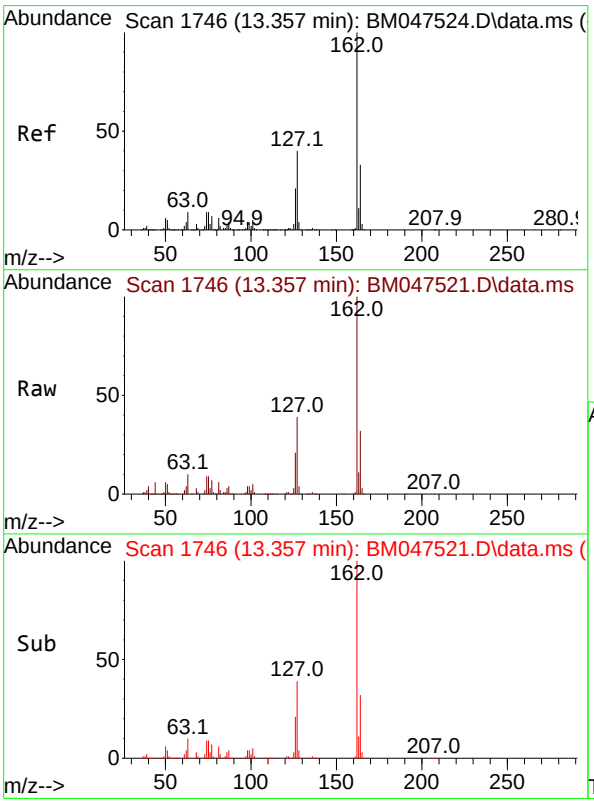
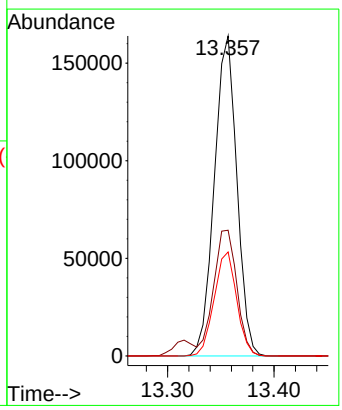
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

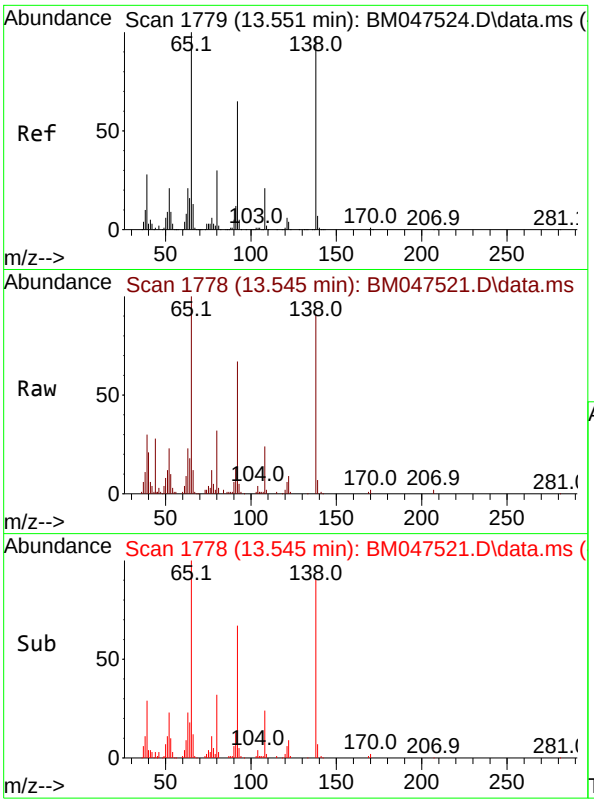



#47
2-Chloronaphthalene
Concen: 4.788 ng
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:162 Resp: 240529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.3 | 32.2 | 48.4 |
| 164 | 32.5 | 26.3 | 39.5 |

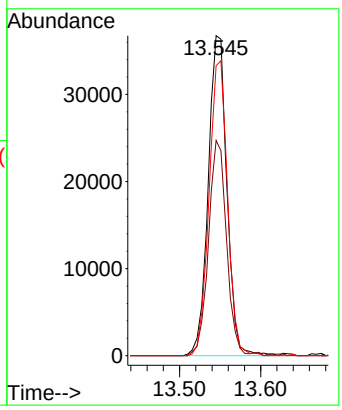





#48
2-Nitroaniline
Concen: 3.970 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 65 Resp: 5857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.2 | 51.9 | 77.9 |
| 138 | 90.6 | 78.5 | 117.7 |




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

**Manual Integrations**
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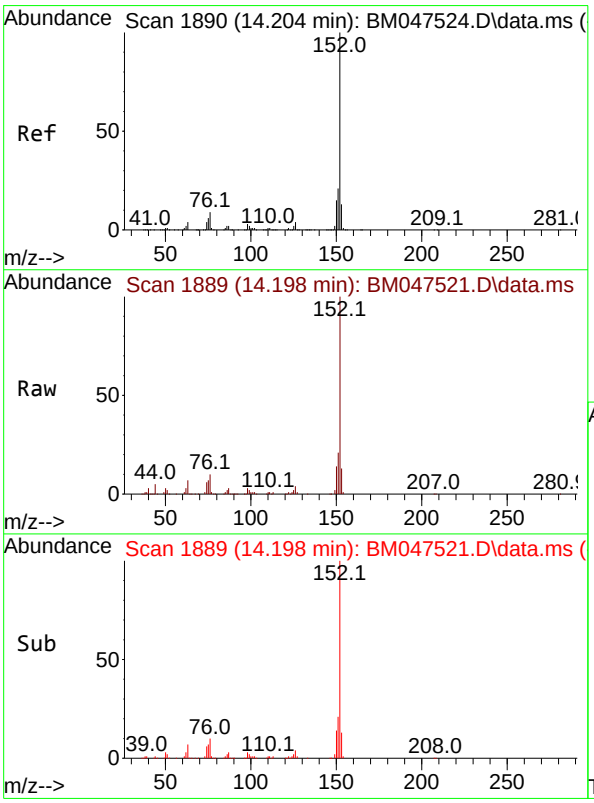
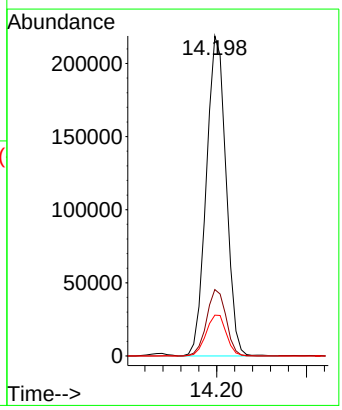
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

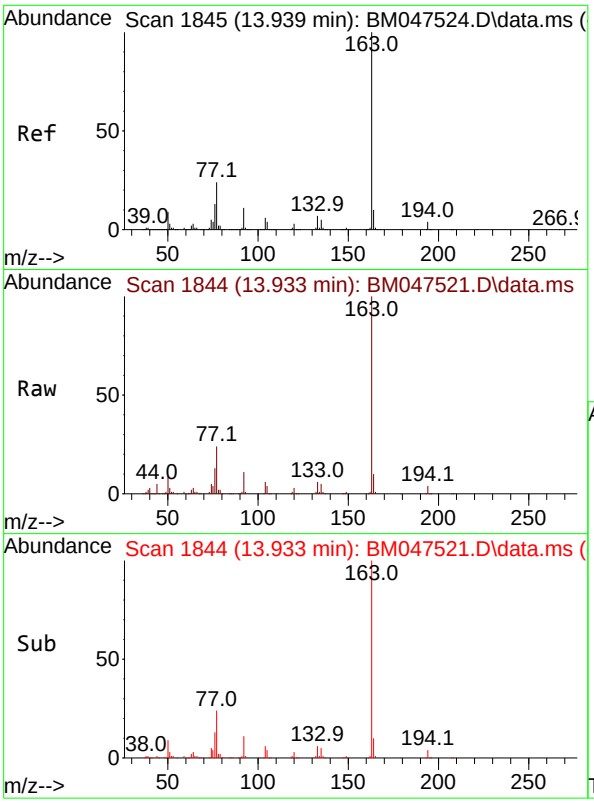



#49
Acenaphthylene
Concen: 4.607 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:152 Resp: 333972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 16.5 | 24.7 |
| 153 | 12.8 | 10.4 | 15.6 |

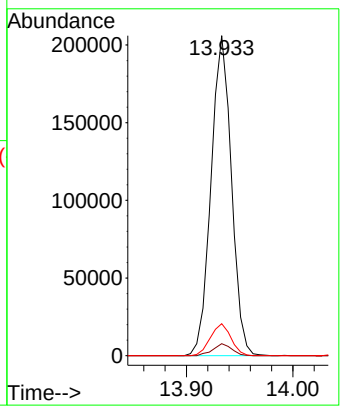





#50
Dimethylphthalate
Concen: 4.825 ng
RT: 13.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:163 Resp: 27346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 2.9 | 4.3 |
| 164 | 10.0 | 7.9 | 11.9 |




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

**Manual Integrations**
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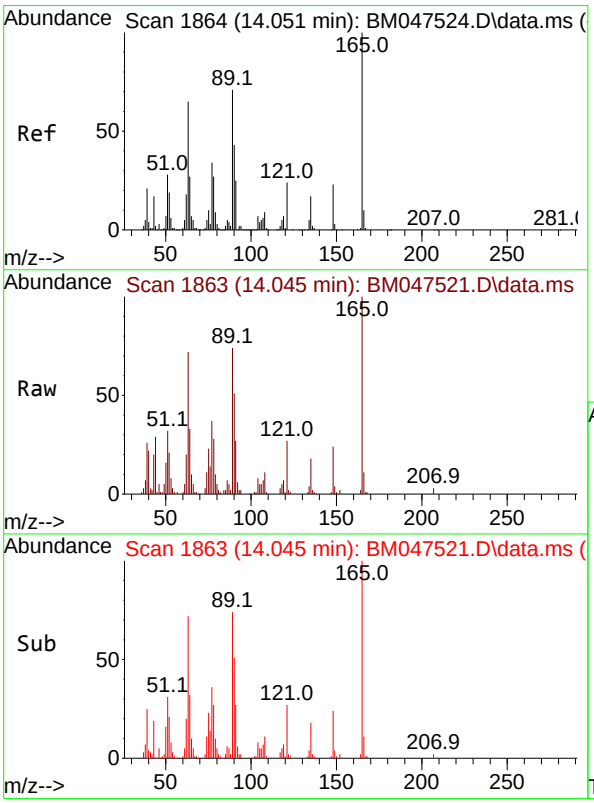
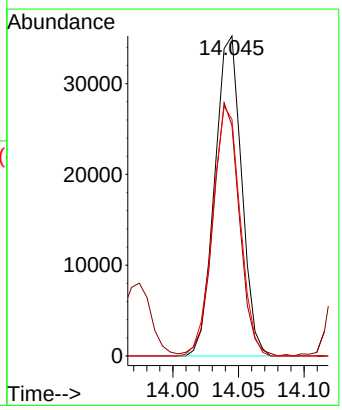
Supervised By :mohammad ahmed 09/17/2024

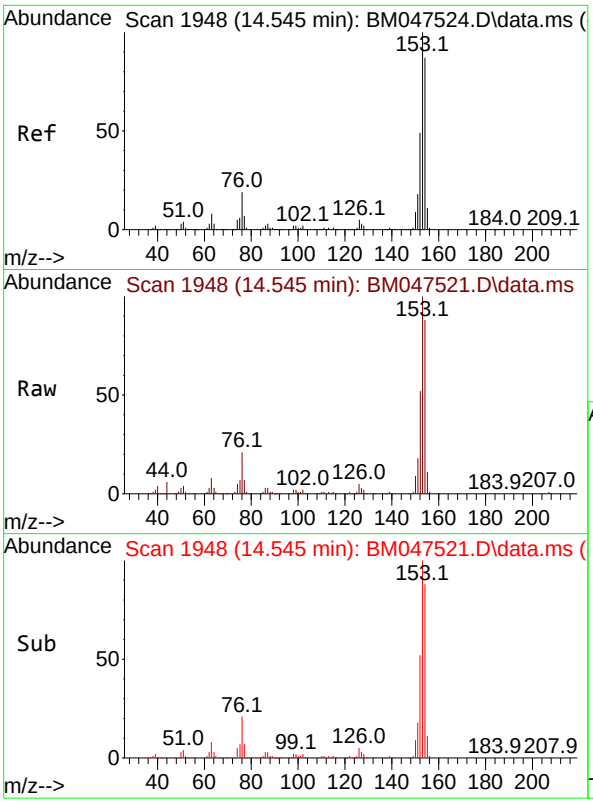



#51
2,6-Dinitrotoluene
Concen: 4.193 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:165 Resp: 50163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 72.0 | 54.2 | 81.2 |
| 89 | 74.0 | 56.4 | 84.6 |

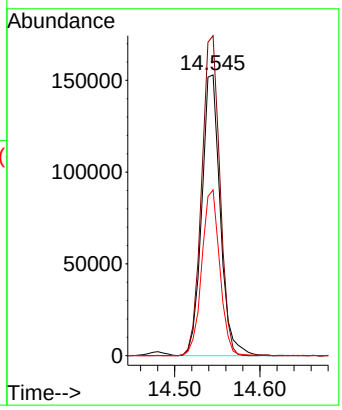





#52
Acenaphthene
Concen: 4.535 ng
RT: 14.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:154 Resp: 23033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.9 | 92.2 | 138.2 |
| 152 | 59.0 | 45.4 | 68.0 |




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

**Manual Integrations**
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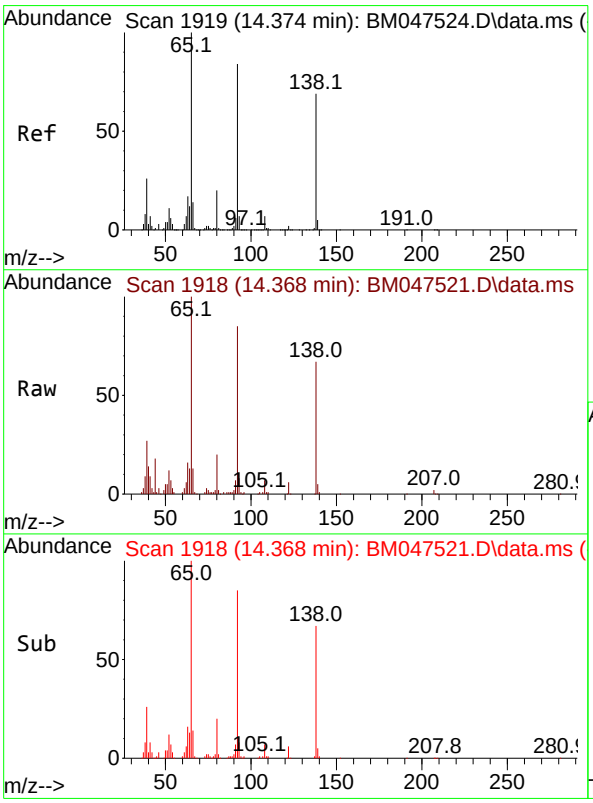
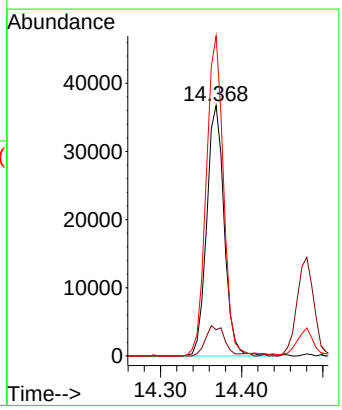
Supervised By :mohammad ahmed 09/17/2024

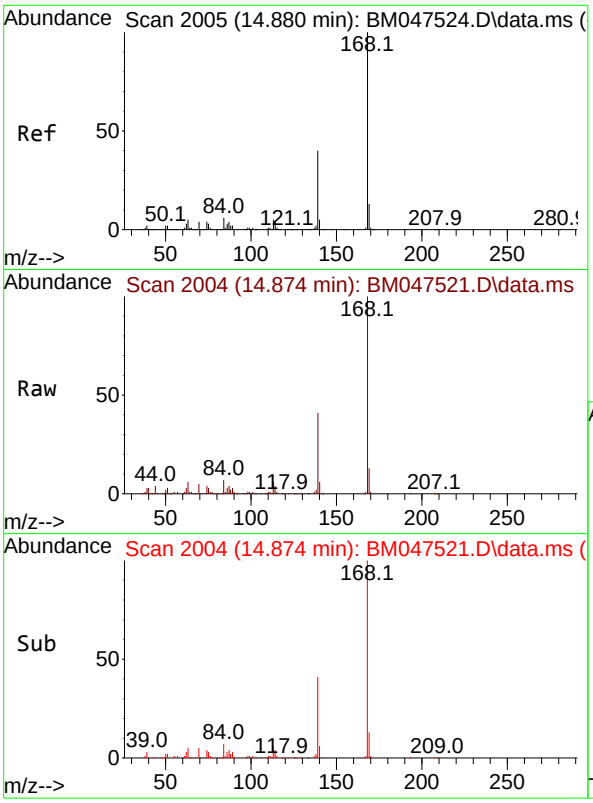



#53
3-Nitroaniline
Concen: 4.116 ng
RT: 14.368 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:138 Resp: 54733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.5 | 8.0 | 12.0 |
| 92 | 127.8 | 97.4 | 146.0 |

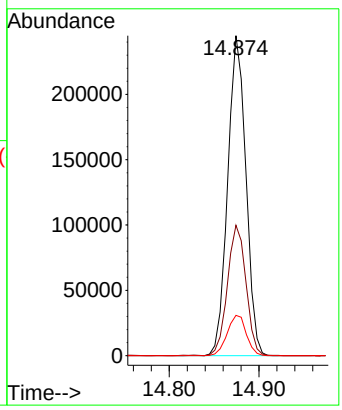





#55
Dibenzofuran
Concen: 4.832 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:168 Resp: 34485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.7 | 31.9 | 47.9 |
| 169 | 12.6 | 10.5 | 15.7 |




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

**Manual Integrations**
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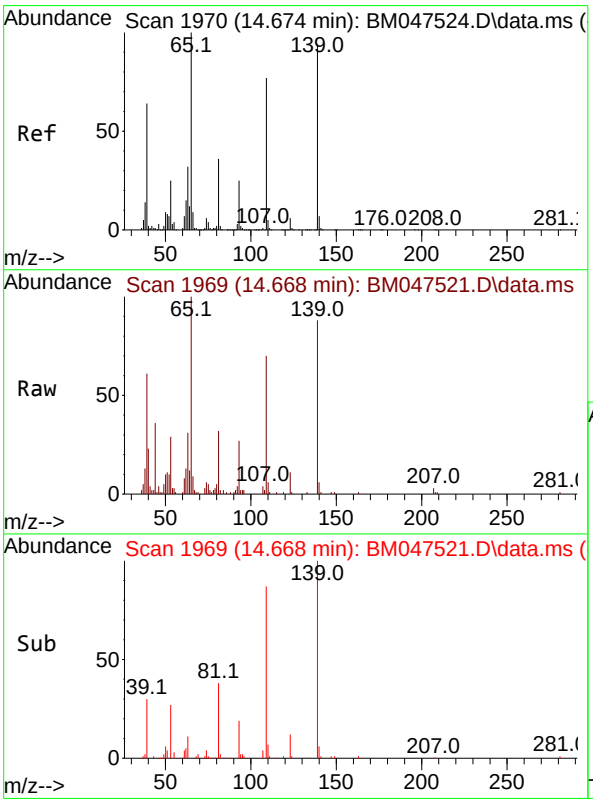
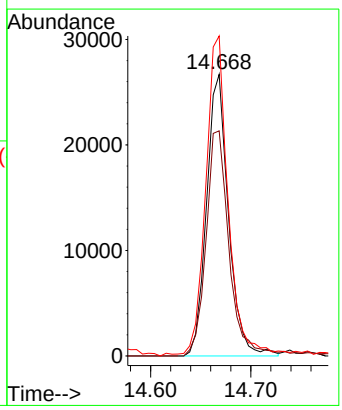
Supervised By :mohammad ahmed 09/17/2024

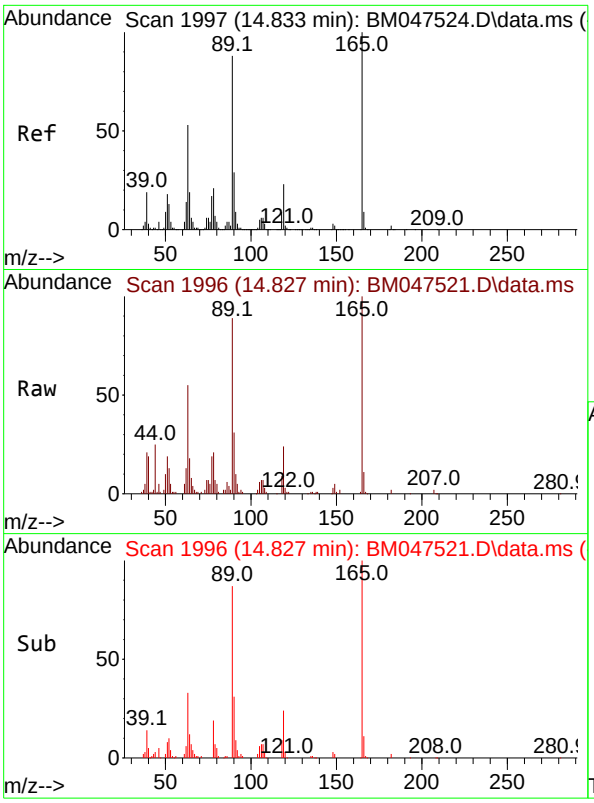



#56
4-Nitrophenol
Concen: 3.711 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:139 Resp: 40611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 79.9 | 62.0 | 102.0 |
| 65 | 113.6 | 87.0 | 127.0 |

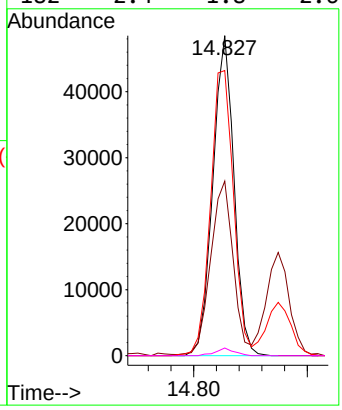





#57
2,4-Dinitrotoluene
Concen: 3.931 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:165 Resp: 6272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.5 | 42.4 | 63.6 |
| 89 | 89.1 | 70.5 | 105.7 |
| 182 | 2.4 | 1.8 | 2.6 |




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

**Manual Integrations**
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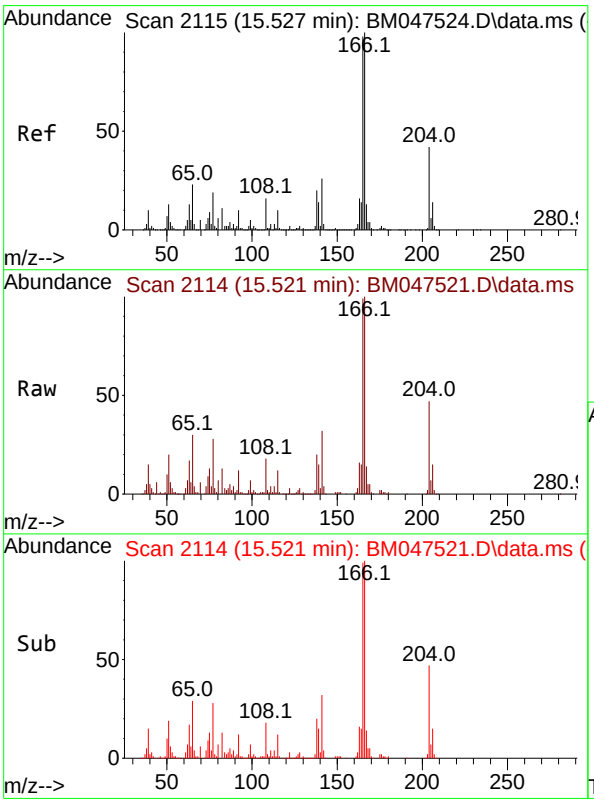
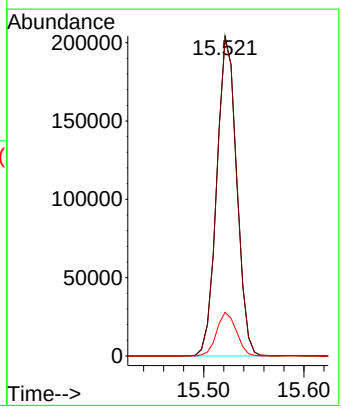
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

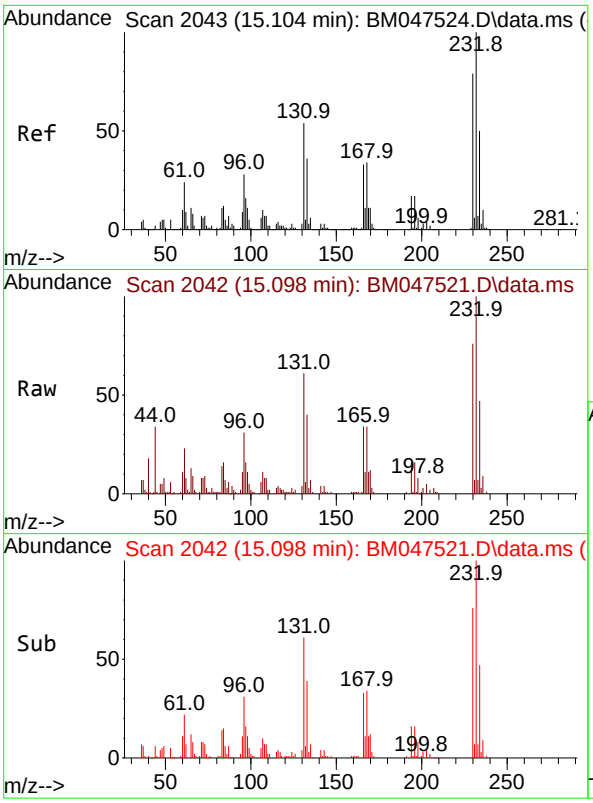



#58
Fluorene
Concen: 4.366 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:166 Resp: 280576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.6 | 117.8 |
| 167 | 13.6 | 10.7 | 16.1 |

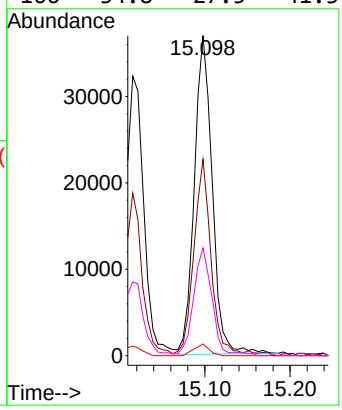





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.335 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:232 Resp: 5381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 57.3 | 47.0 | 70.4 |
| 130 | 3.1 | 2.6 | 3.8 |
| 166 | 34.8 | 27.5 | 41.3 |




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

**Manual Integrations**
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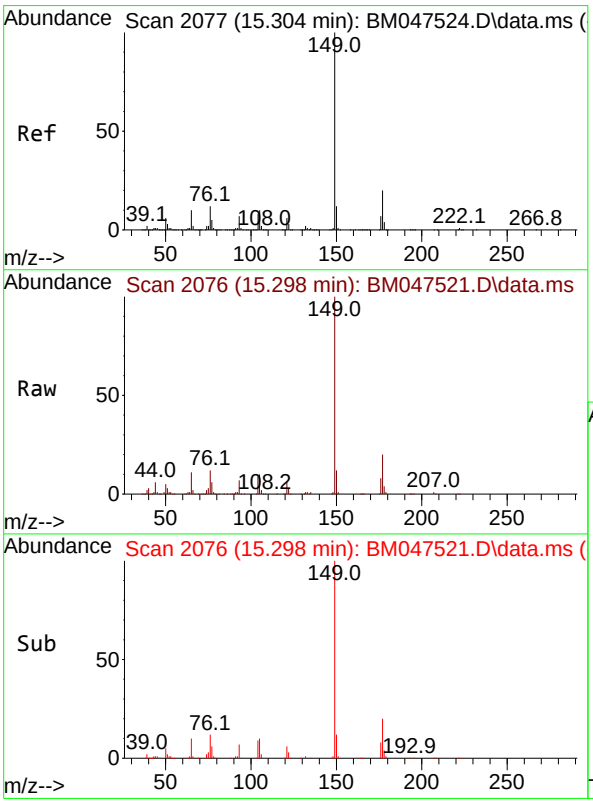
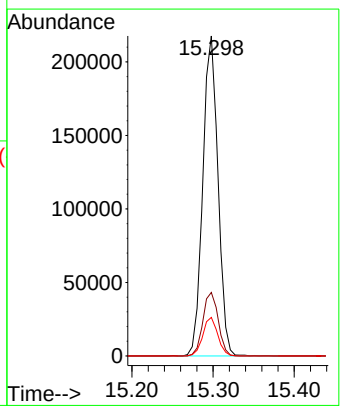
Supervised By :mohammad ahmed 09/17/2024

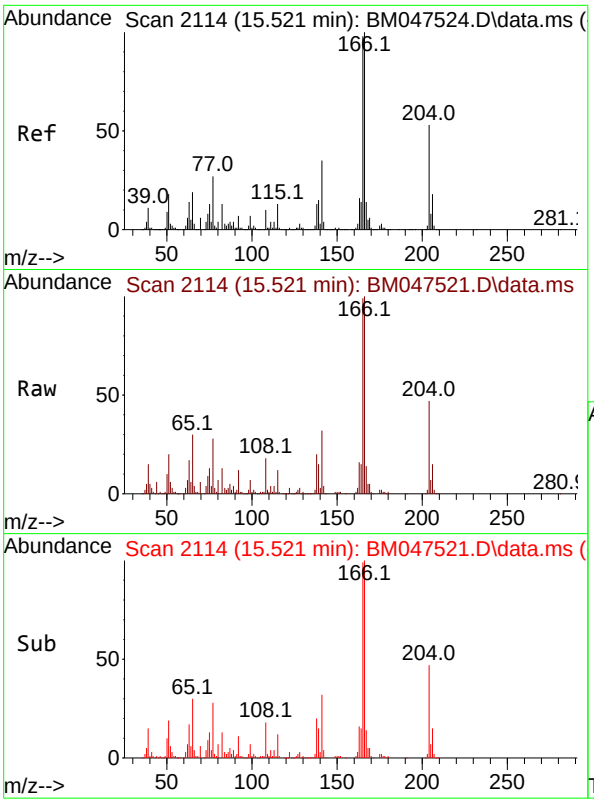



#60
Diethylphthalate
Concen: 4.681 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 282348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.9 | 15.8 | 23.8 |
| 150 | 12.1 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 4.357 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

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

Tgt Ion:204 Resp: 12803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.5 | 39.7 |
| 141 | 68.7 | 52.1 | 78.1 |

**Manual Integrations**
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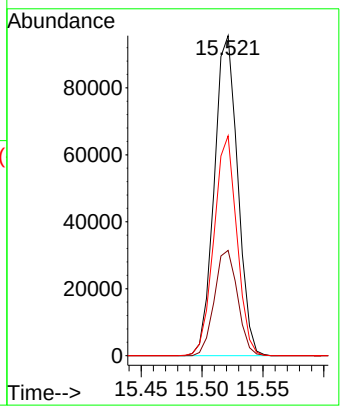
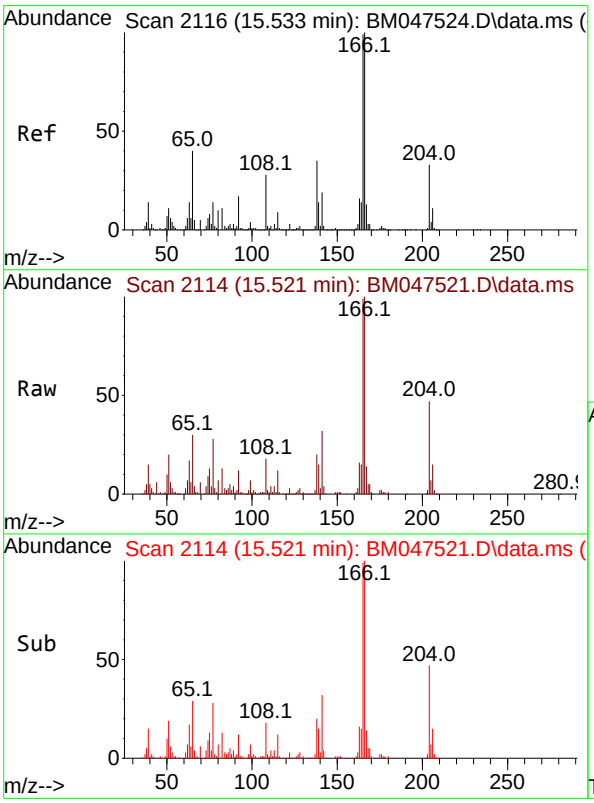
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

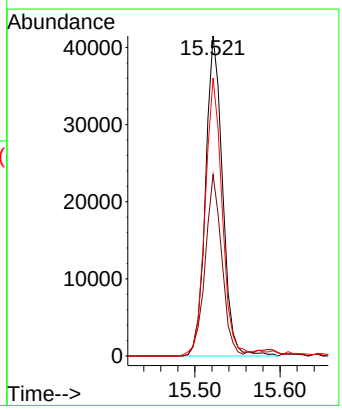


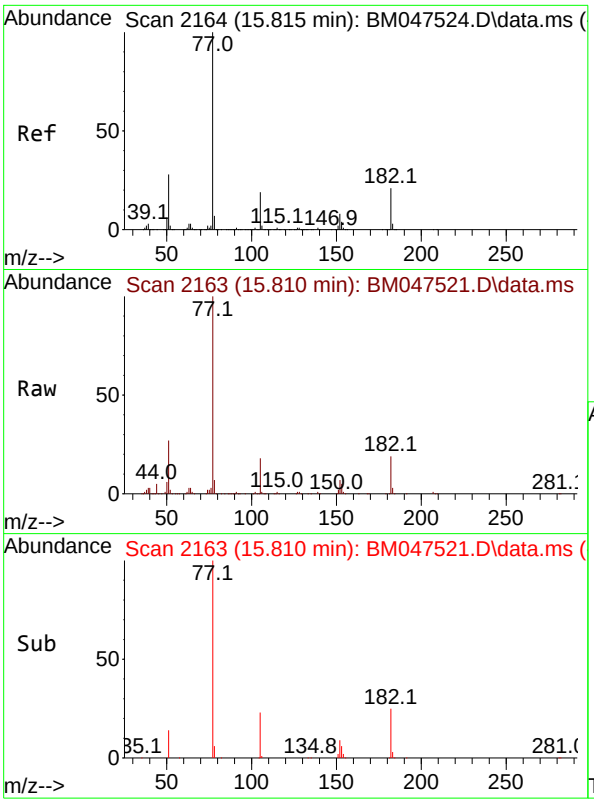




#62
4-Nitroaniline
Concen: 3.667 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:138 Resp: 57319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 56.6 | 30.0 | 70.0 |
| 108 | 86.9 | 61.7 | 101.7 |

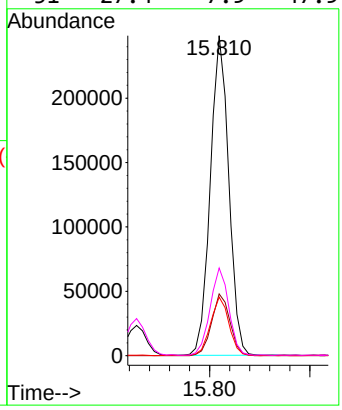





#63
Azobenzene
Concen: 4.777 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion: 77 Resp: 31726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 19.3 | 1.2 | 41.2 |
| 105 | 18.3 | 0.0 | 39.4 |
| 51 | 27.4 | 7.9 | 47.9 |




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

**Manual Integrations**
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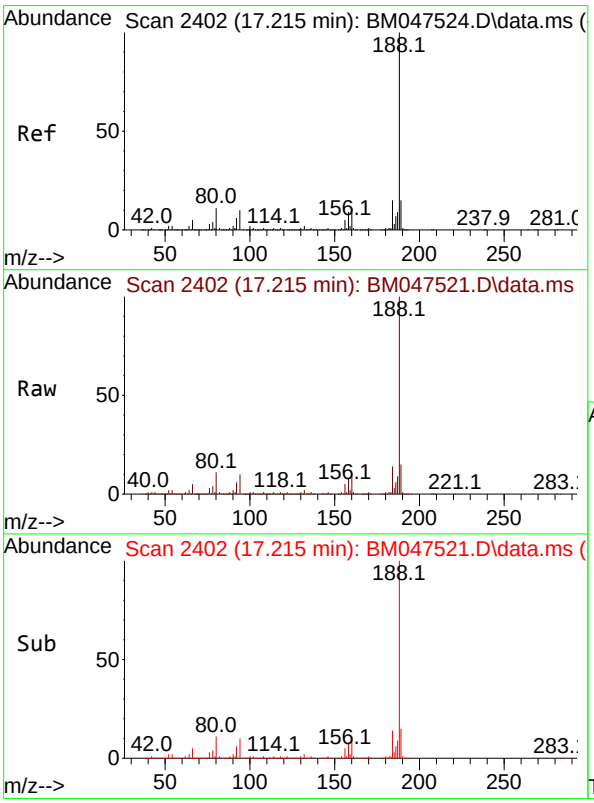
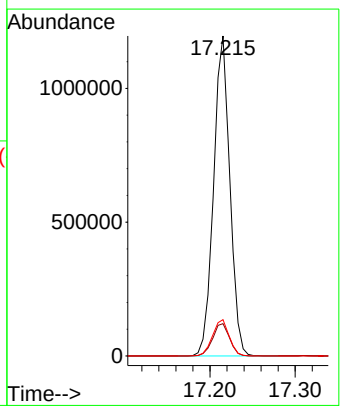
Supervised By :mohammad ahmed 09/17/2024

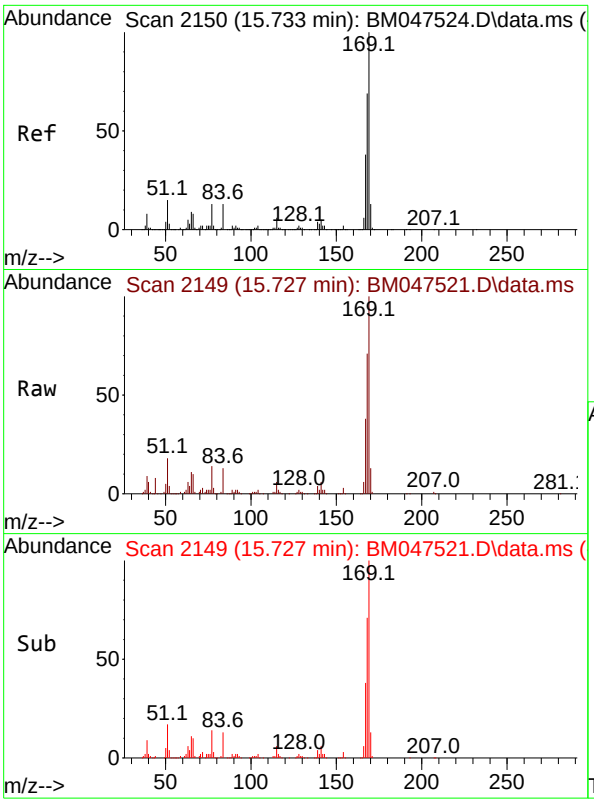



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:188 Resp: 1584025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.4 | 12.6 |
| 80 | 11.3 | 9.1 | 13.7 |

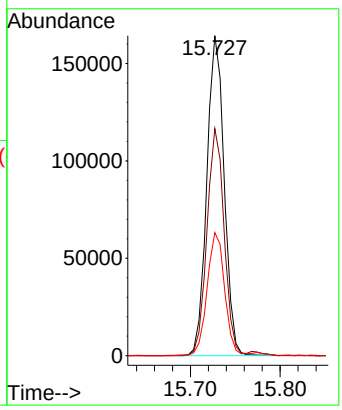





#66
n-Nitrosodiphenylamine
Concen: 4.559 ng
RT: 15.727 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:169 Resp: 22092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 71.0 | 55.3 | 82.9 |
| 167 | 38.4 | 30.5 | 45.7 |




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

**Manual Integrations**
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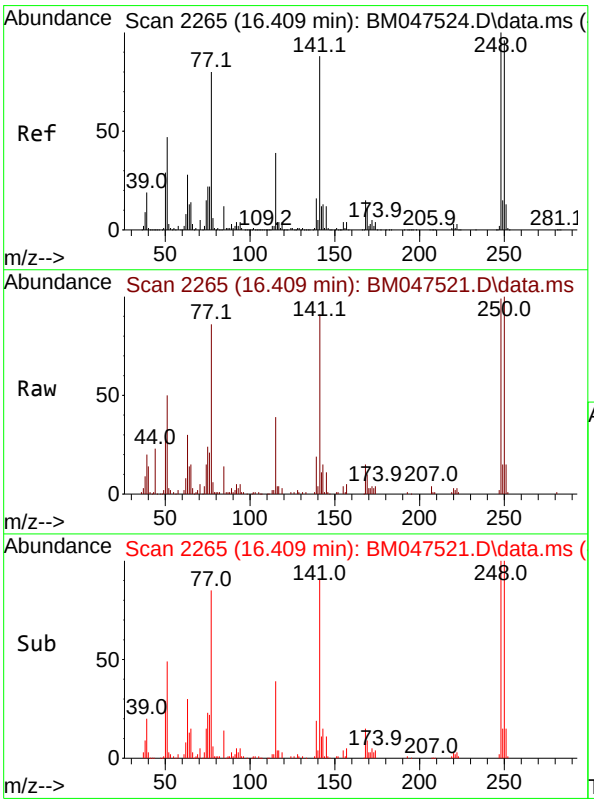
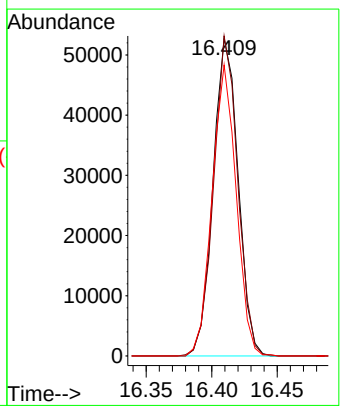
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

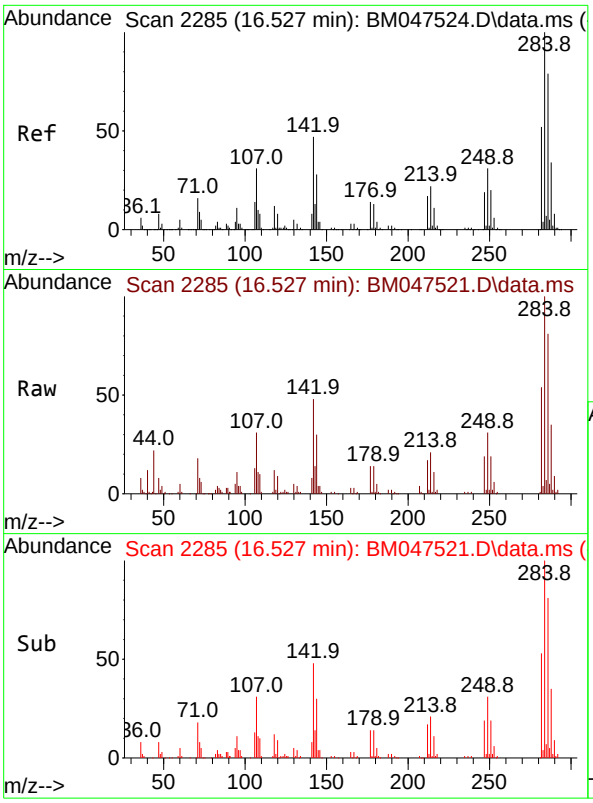



#67
4-Bromophenyl-phenylether
Concen: 4.538 ng
RT: 16.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:248 Resp: 69853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.8 | 76.9 | 115.3 |
| 141 | 91.6 | 70.8 | 106.2 |






#68
Hexachlorobenzene
Concen: 4.761 ng
RT: 16.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

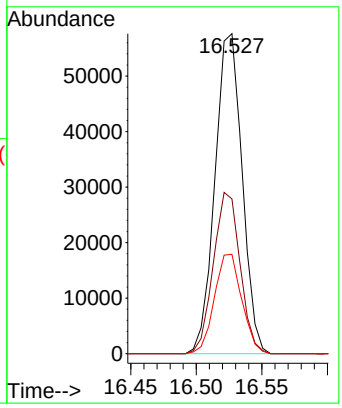
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

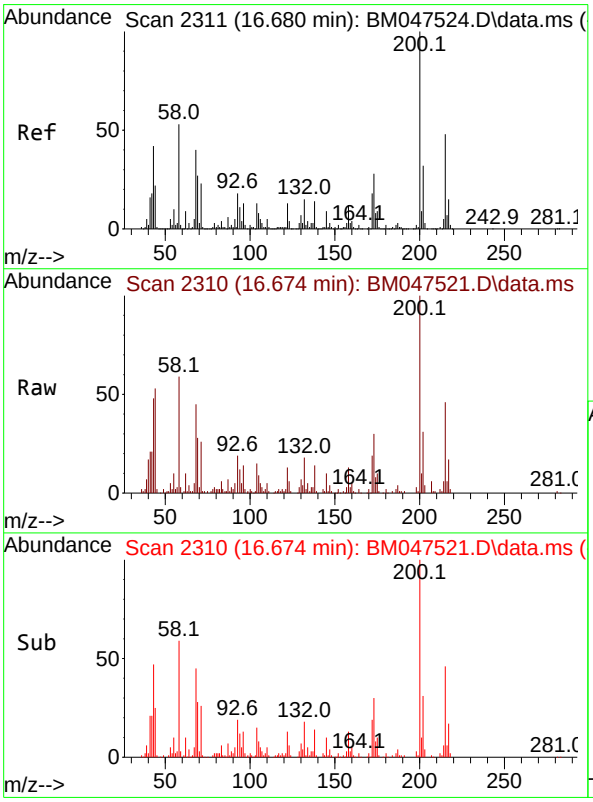
Tgt Ion:284 Resp: 8301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 48.3 | 37.3 | 55.9 |
| 249 | 31.1 | 24.5 | 36.7 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

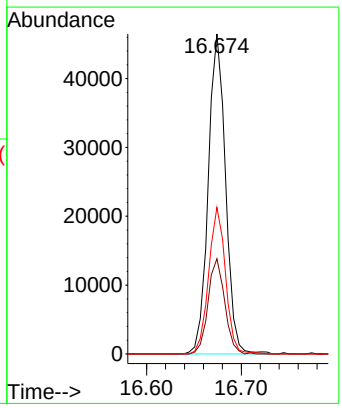


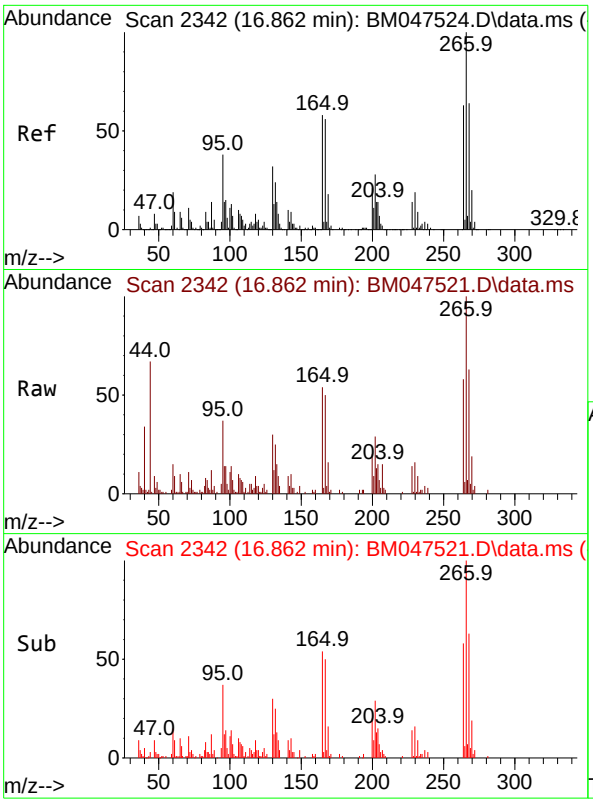




#69
Atrazine
Concen: 4.392 ng
RT: 16.674 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:200 Resp: 58829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 29.8 | 7.7 | 47.7 |
| 215 | 45.8 | 27.9 | 67.9 |

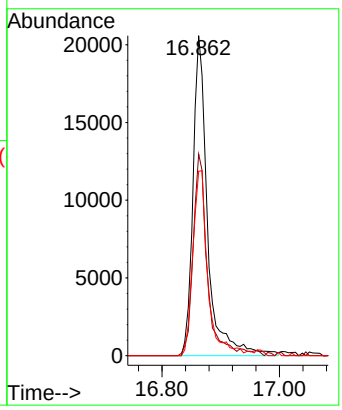





#70
Pentachlorophenol
Concen: 3.517 ng
RT: 16.862 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:266 Resp: 3554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 51.0 | 76.4 |
| 264 | 57.6 | 50.4 | 75.6 |




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

**Manual Integrations**
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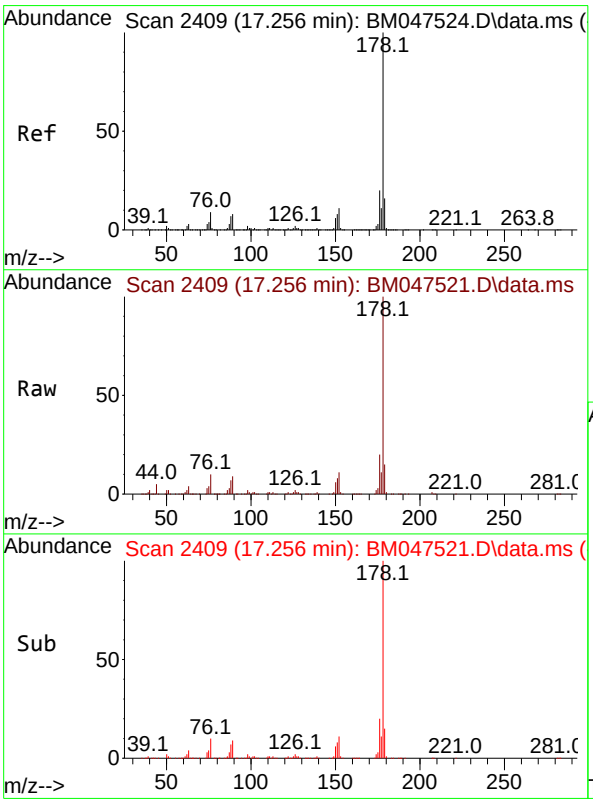
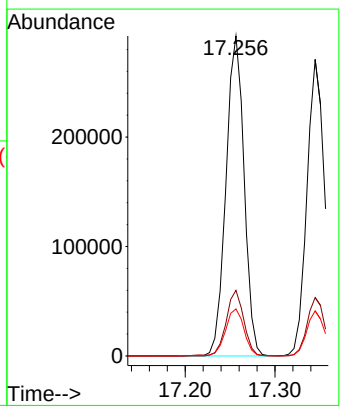
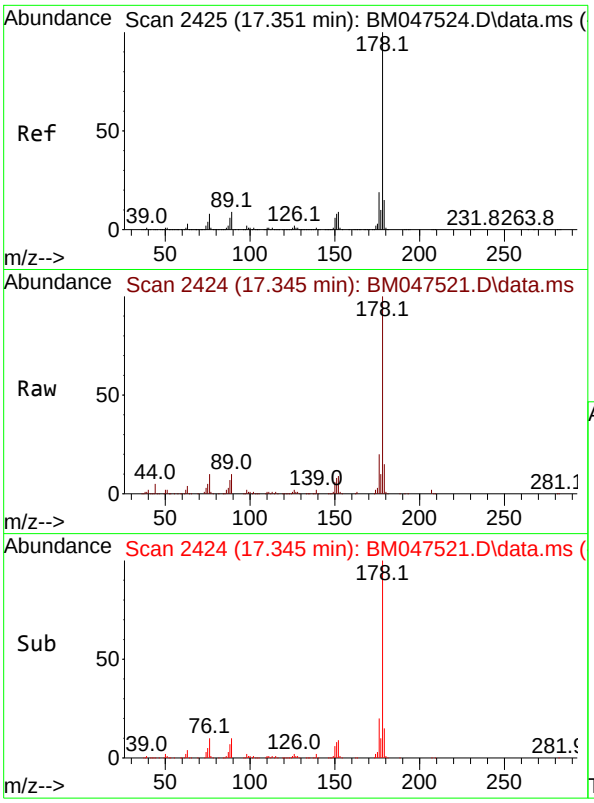



#71
Phenanthrene
Concen: 4.705 ng
RT: 17.256 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:178 Resp: 410689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 16.0 | 24.0 |
| 179 | 14.7 | 12.4 | 18.6 |

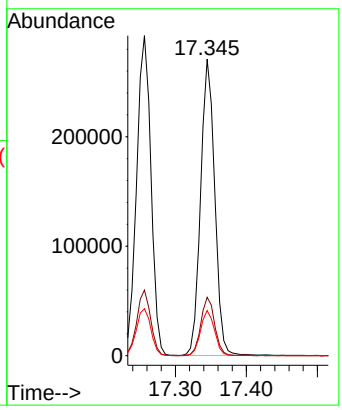





#72
Anthracene
Concen: 4.475 ng
RT: 17.345 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:178 Resp: 37532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.0 |
| 179 | 15.2 | 12.3 | 18.5 |




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

**Manual Integrations**
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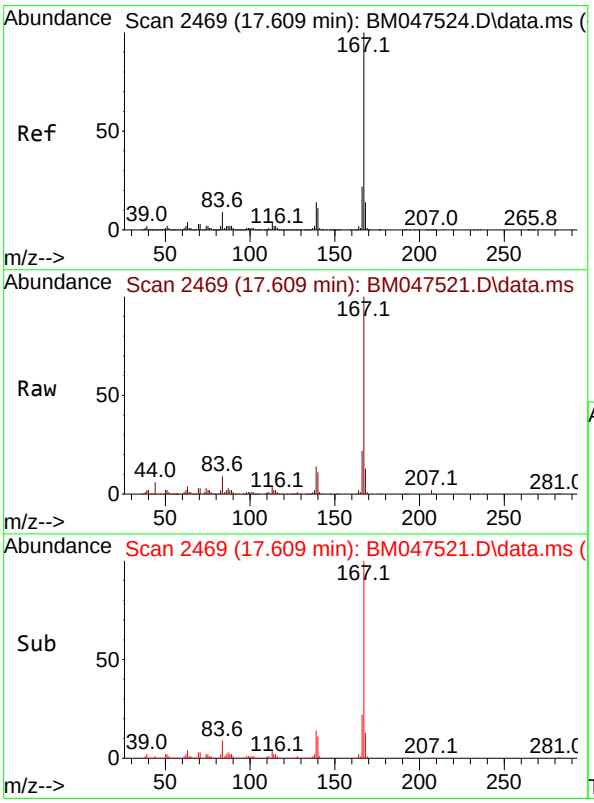
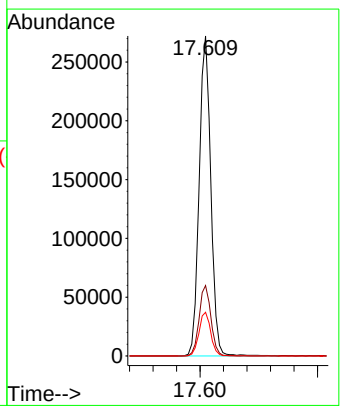
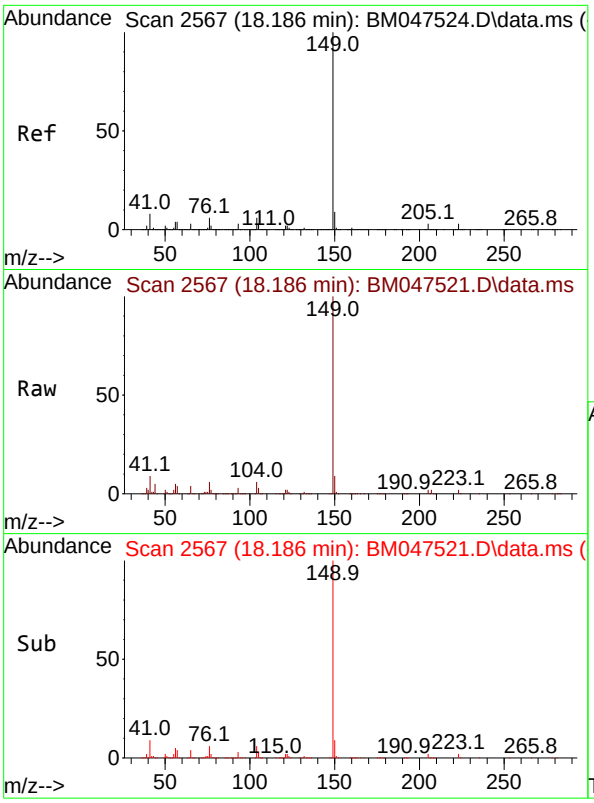



#73
Carbazole
Concen: 4.488 ng
RT: 17.609 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:167 Resp: 373067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.8 | 26.8 |
| 139 | 13.6 | 11.0 | 16.6 |

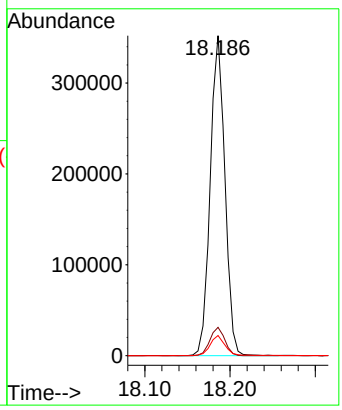





#74
Di-n-butylphthalate
Concen: 4.237 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 42137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.2 |
| 104 | 6.3 | 4.6 | 6.8 |




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

**Manual Integrations**
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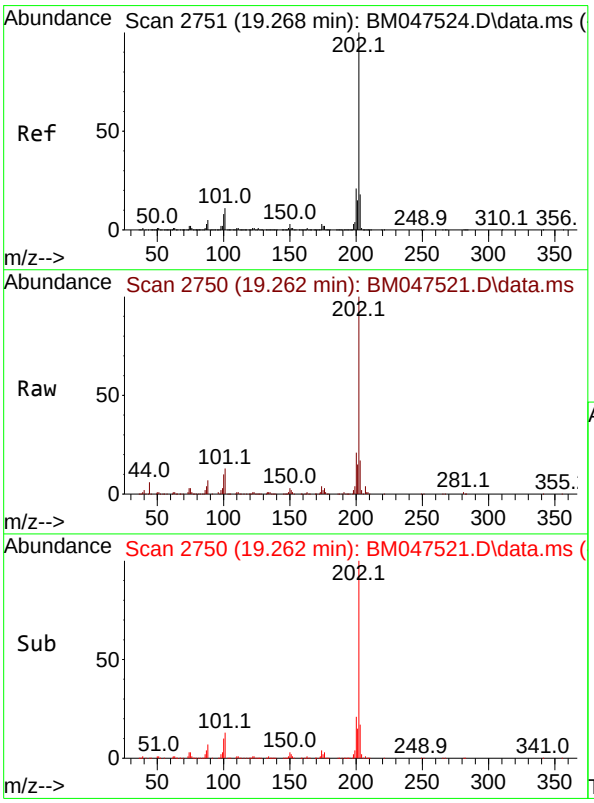
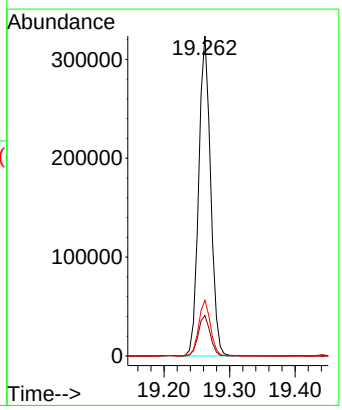
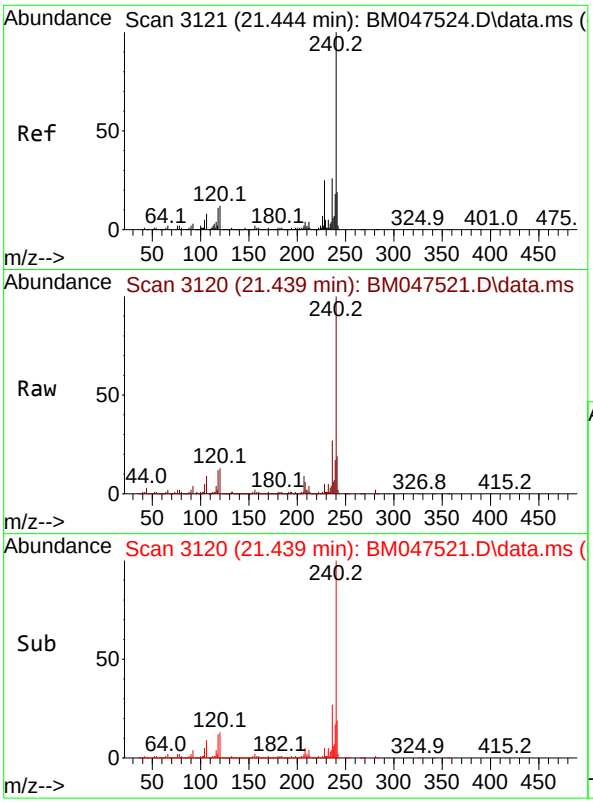



#75
Fluoranthene
Concen: 4.309 ng
RT: 19.262 min Scan# 2750
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:202 Resp: 410366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 0.0 | 30.8 |
| 203 | 17.4 | 0.0 | 37.7 |

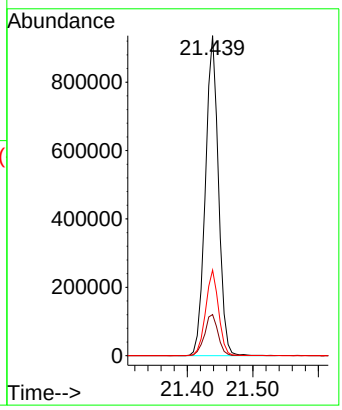





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:240 Resp: 129693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 9.6 | 14.4 |
| 236 | 26.7 | 20.9 | 31.3 |




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

**Manual Integrations**
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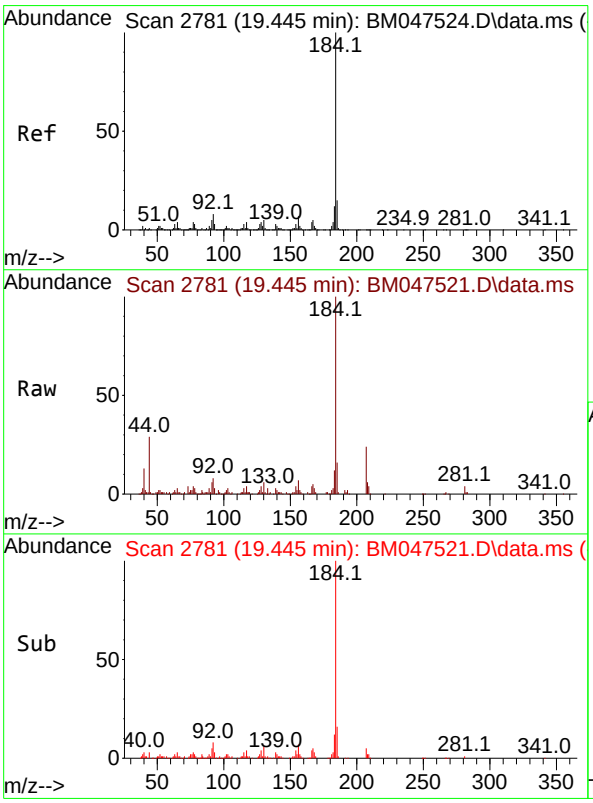
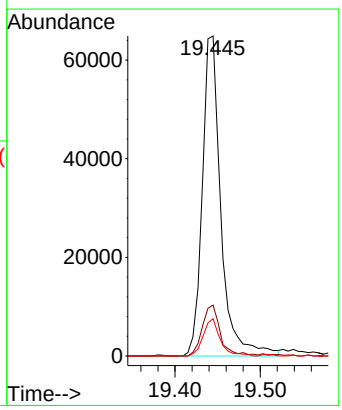
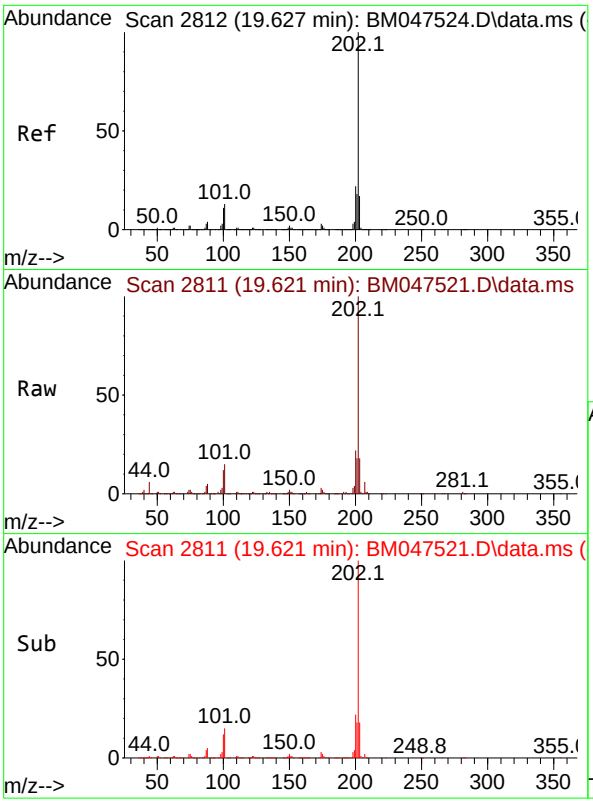



#77
Benzidine
Concen: 5.384 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:184 Resp: 98351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.9 | 12.2 | 18.2 |
| 183 | 11.7 | 9.6 | 14.4 |

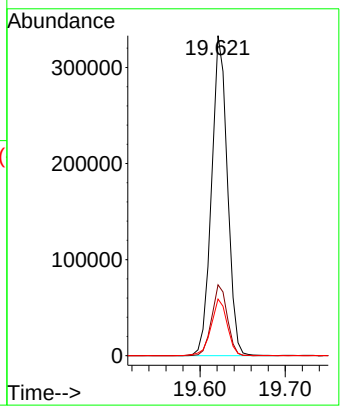





#78
Pyrene
Concen: 4.547 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:202 Resp: 43017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.2 | 25.8 |
| 203 | 17.7 | 14.0 | 21.0 |




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

**Manual Integrations**
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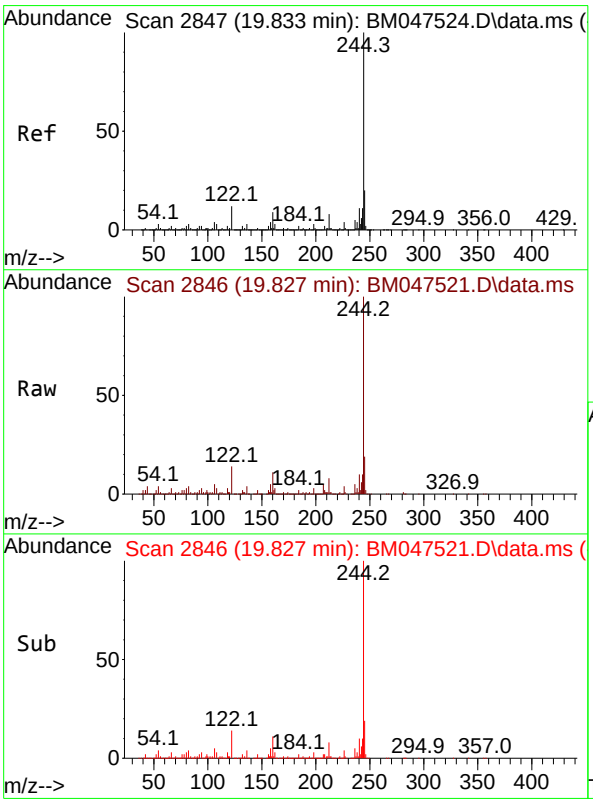
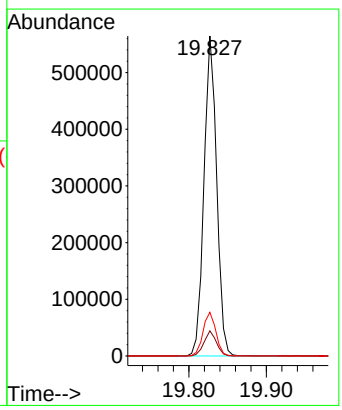
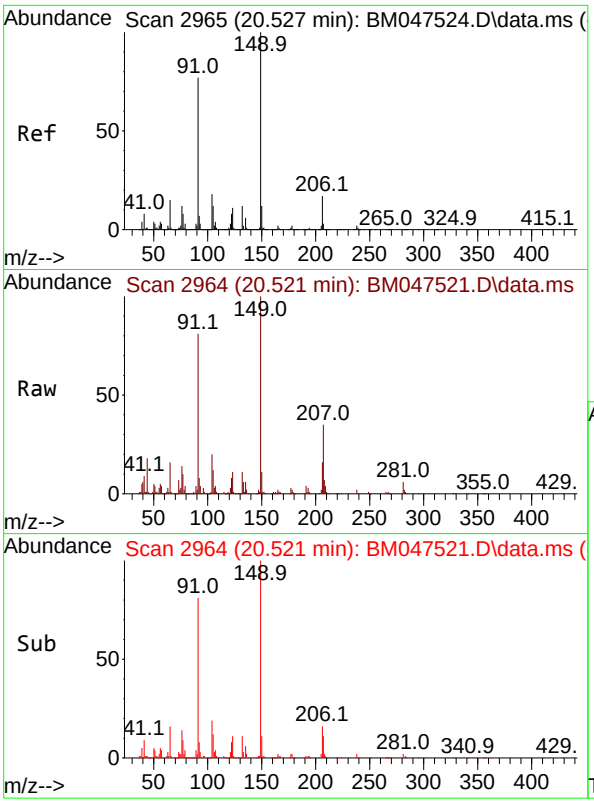



#79
Terphenyl-d14
Concen: 8.858 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:244 Resp: 641133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.2 | 9.2 |
| 122 | 13.7 | 9.6 | 14.4 |

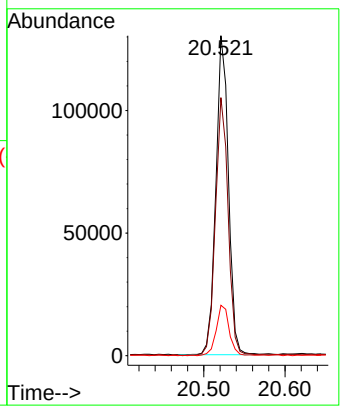





#80
Butylbenzylphthalate
Concen: 3.854 ng
RT: 20.521 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 14036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 80.6 | 62.0 | 93.0 |
| 206 | 15.8 | 13.8 | 20.8 |




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

**Manual Integrations**
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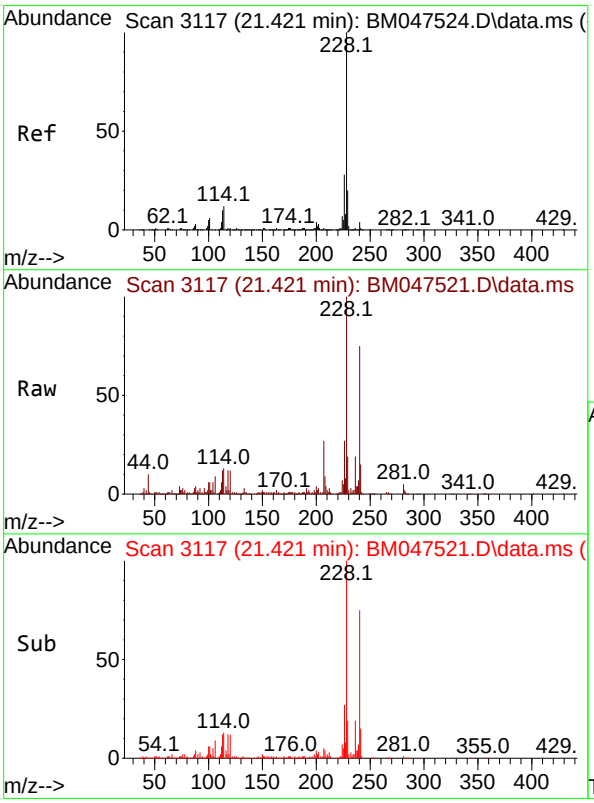
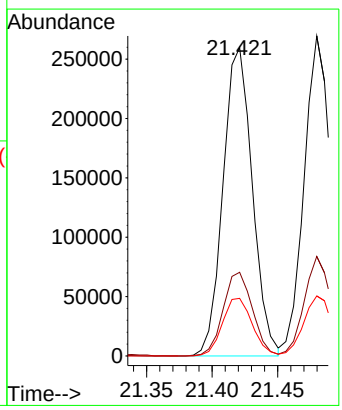
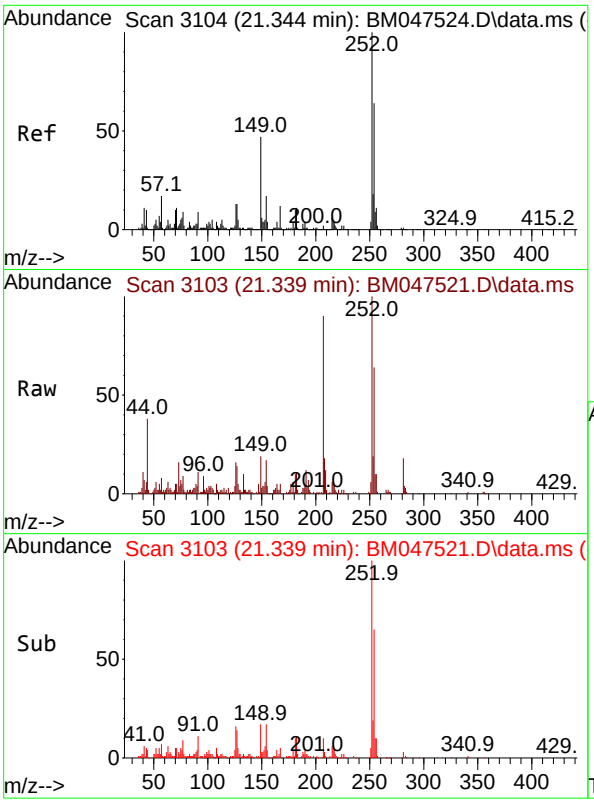



#81
Benzo(a)anthracene
Concen: 4.775 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:228 Resp: 403637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 22.4 | 33.6 |
| 229 | 18.7 | 16.0 | 24.0 |

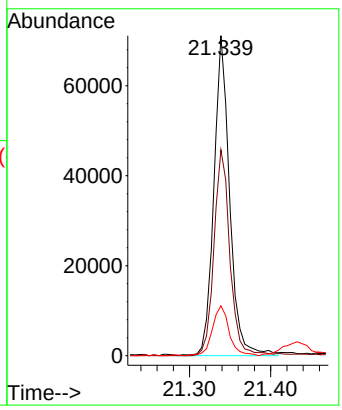





#82
3,3'-Dichlorobenzidine
Concen: 4.277 ng
RT: 21.339 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 9617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.5 | 77.3 |
| 126 | 15.6 | 10.3 | 15.5 |




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

**Manual Integrations**
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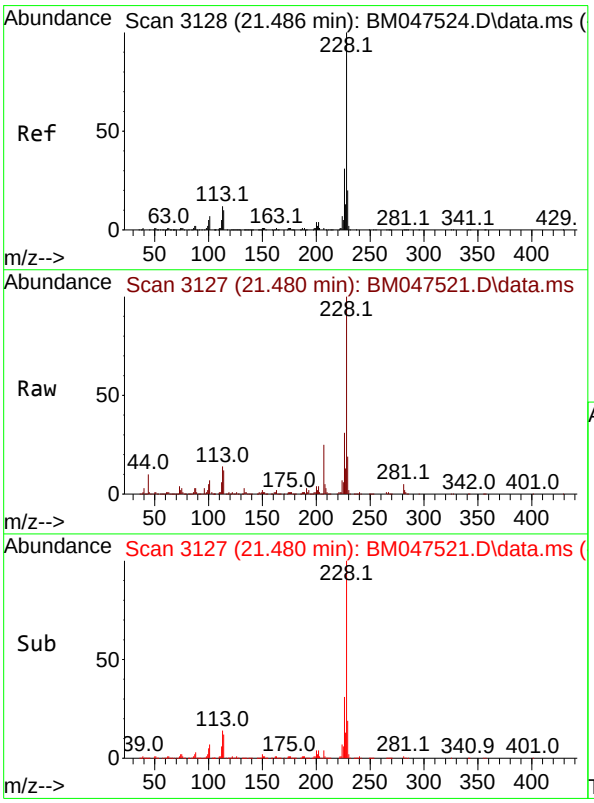
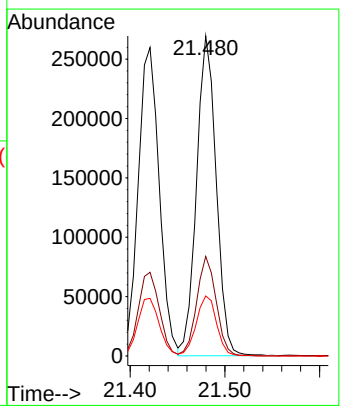
Supervised By :mohammad ahmed 09/17/2024

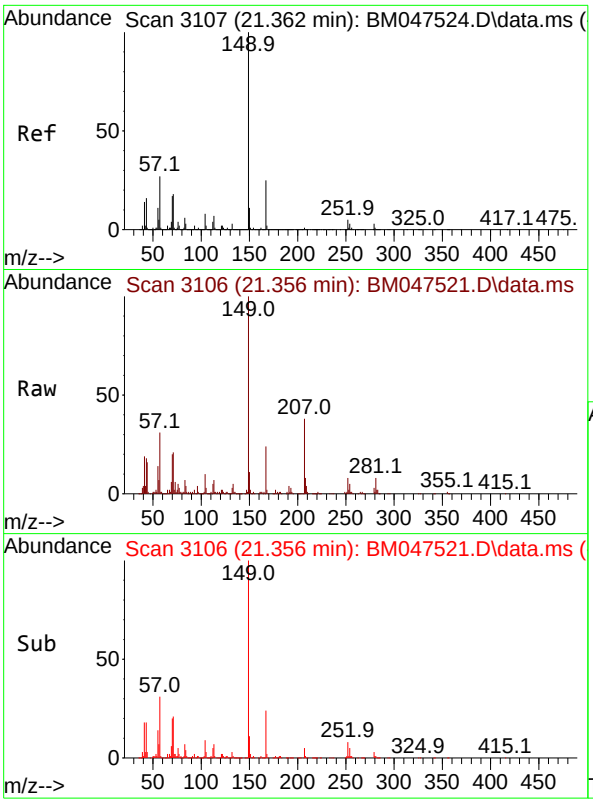



#83
Chrysene
Concen: 4.851 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:228 Resp: 387917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 25.0 | 37.6 |
| 229 | 18.8 | 15.9 | 23.9 |

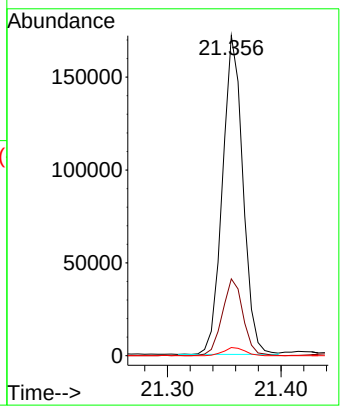





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 21.356 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 21490

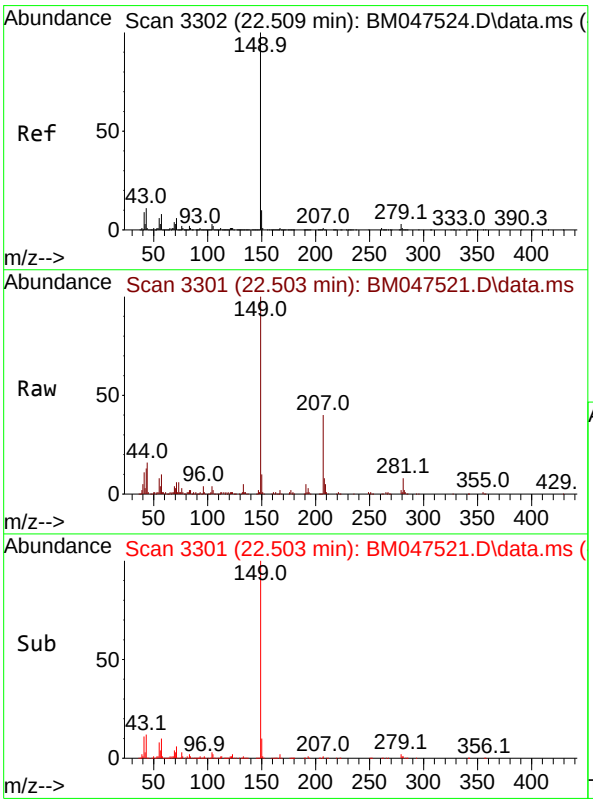
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.0 | 20.2 | 30.4 |
| 279 | 2.5 | 2.6 | 4.0# |




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

**Manual Integrations**
**APPROVED**

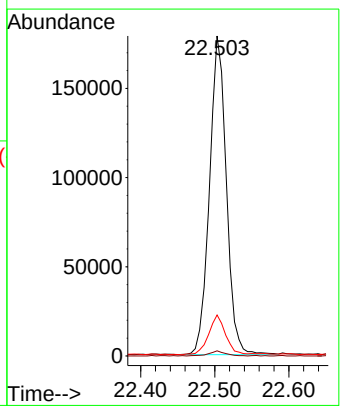
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

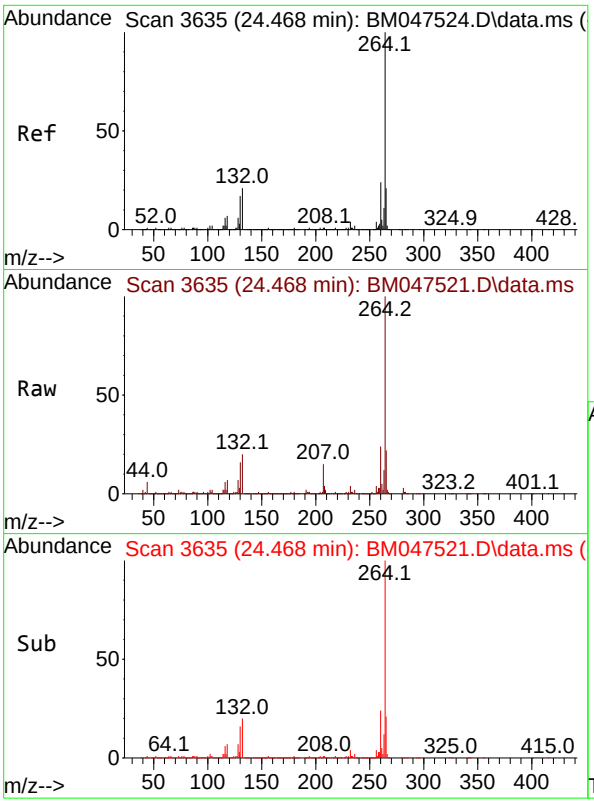



#85
Di-n-octyl phthalate
Concen: 3.506 ng
RT: 22.503 min Scan# 3301
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:149 Resp: 282914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.1 | 1.7 |
| 43 | 12.3 | 8.9 | 13.3 |

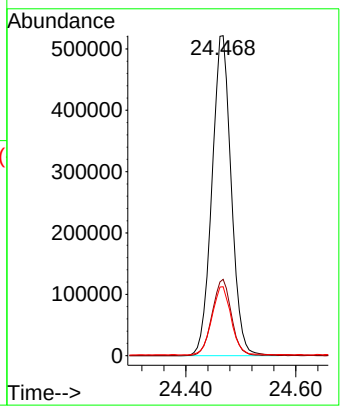





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:264 Resp: 126911

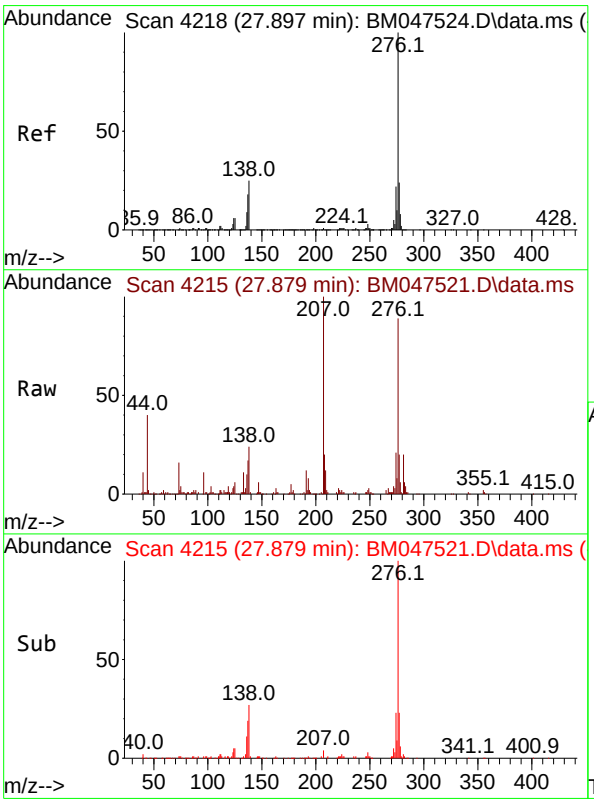
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.9 | 28.3 |
| 265 | 21.6 | 17.4 | 26.2 |




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

**Manual Integrations**
**APPROVED**

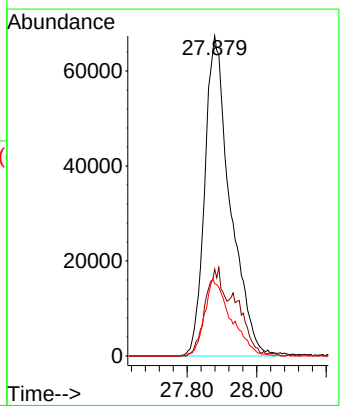
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

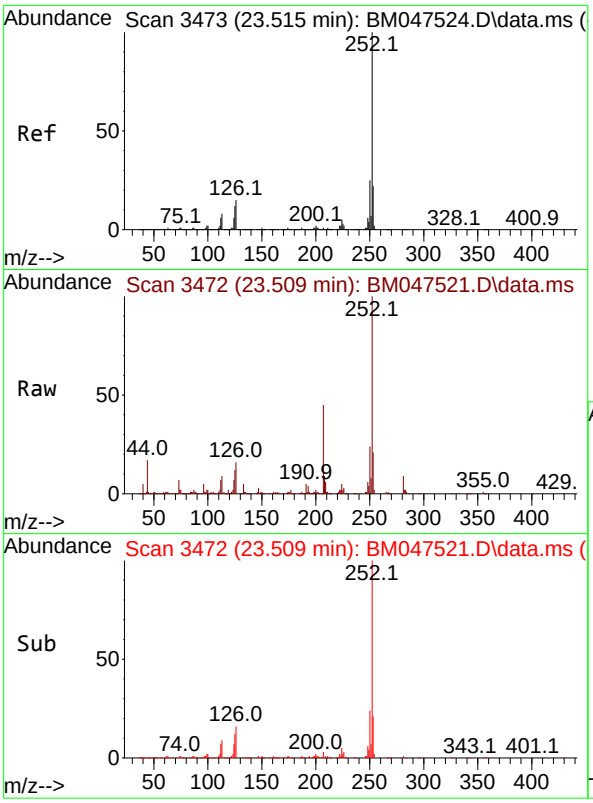



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.507 ng
RT: 27.879 min Scan# 4215
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:276 Resp: 342325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.2 | 25.0 | 37.6# |
| 277 | 24.9 | 20.1 | 30.1 |

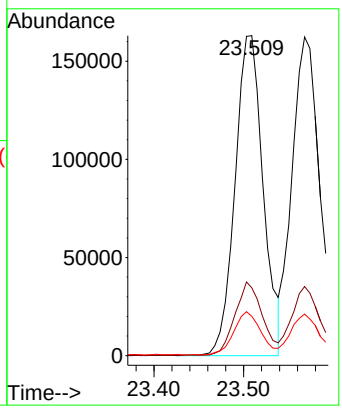





#88
Benzo(b)fluoranthene
Concen: 4.329 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 35548

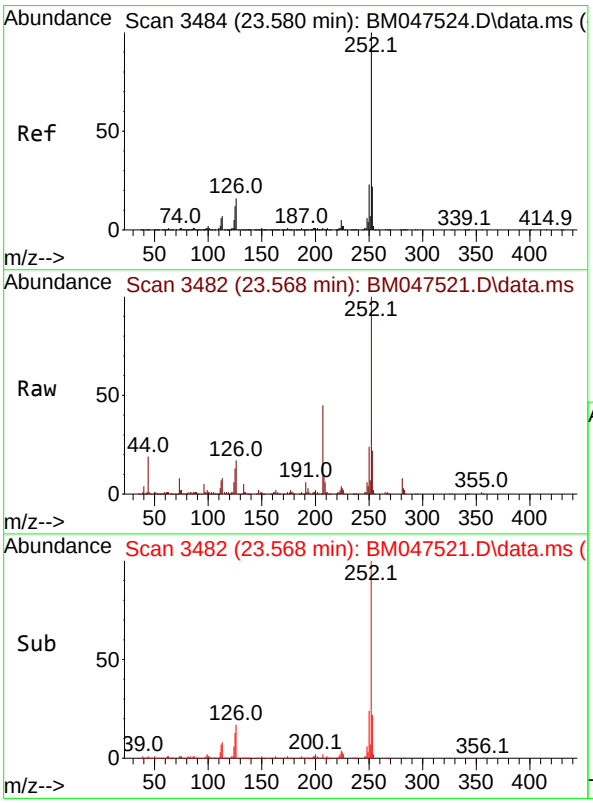
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.8 | 26.8 |
| 125 | 12.3 | 9.5 | 14.3 |




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

**Manual Integrations**
**APPROVED**

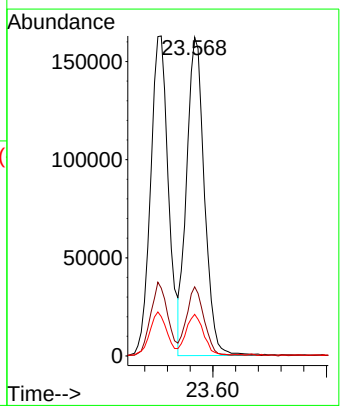
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

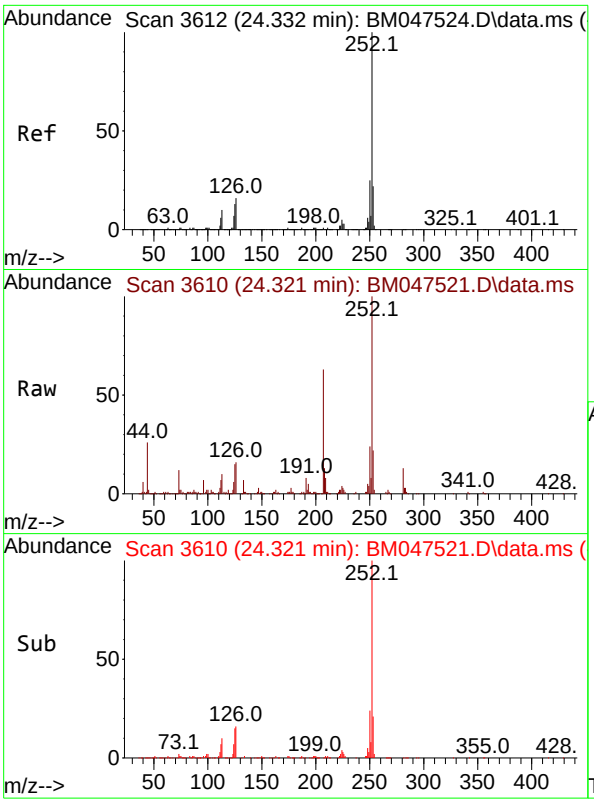



#89
Benzo(k)fluoranthene
Concen: 4.341 ng
RT: 23.568 min Scan# 3482
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 353260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 13.1 | 9.5 | 14.3 |

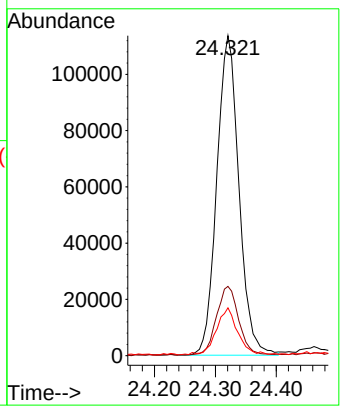





#90
Benzo(a)pyrene
Concen: 4.269 ng
RT: 24.321 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:252 Resp: 28730

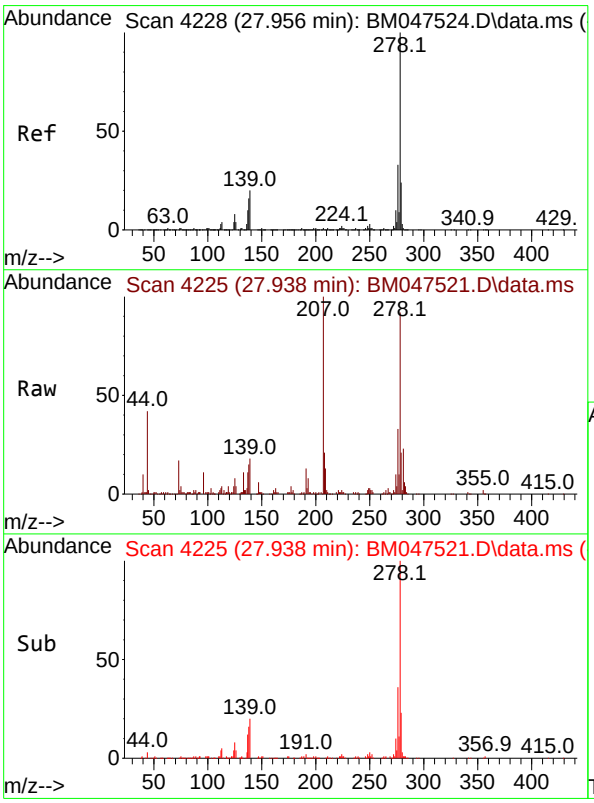
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.7 | 26.5 |
| 125 | 15.0 | 10.2 | 15.4 |




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

**Manual Integrations**
**APPROVED**

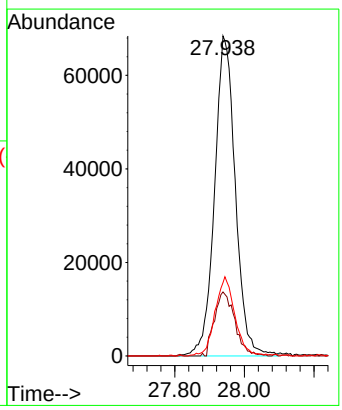
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

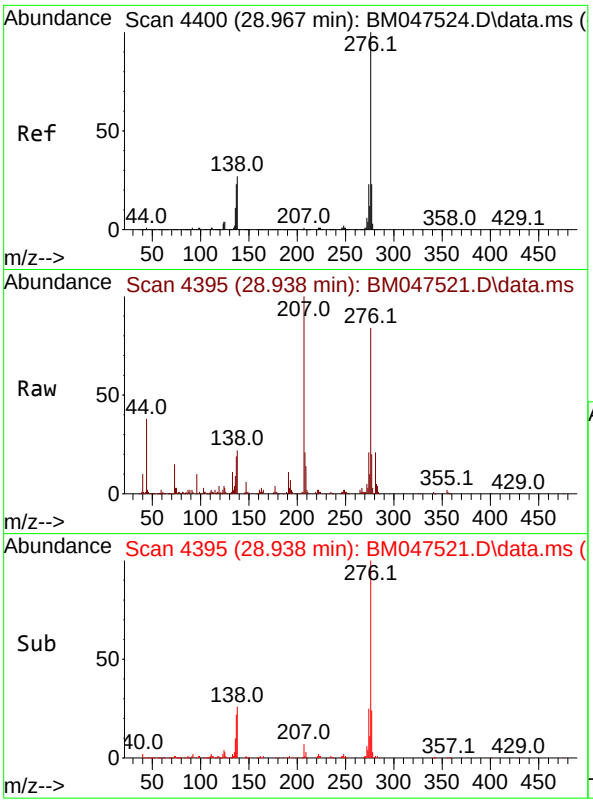



#91
Dibenzo(a,h)anthracene
Concen: 4.441 ng
RT: 27.938 min Scan# 4225
Delta R.T. -0.018 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:278 Resp: 283784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.0 | 15.9 | 23.9 |
| 279 | 22.9 | 19.3 | 28.9 |

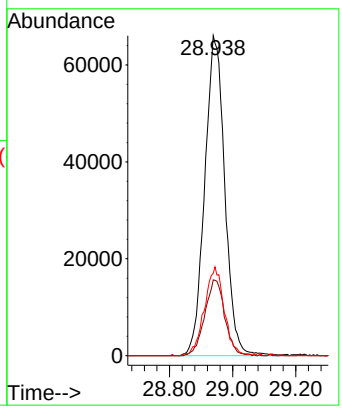





#92
Benzo(g,h,i)perylene
Concen: 4.661 ng
RT: 28.938 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM047521.D
Acq: 14 Sep 2024 12:36

Tgt Ion:276 Resp: 29092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.6 | 28.0 |
| 138 | 25.8 | 21.5 | 32.3 |




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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 315787 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1384605 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 841449 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1630578 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 1372489 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1311119 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 381501 | 19.236 | ng | | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 512647 | 18.354 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.998 | 82 | 532043 | 19.231 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 134095 | 16.487 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.104 | 172 | 1089419 | 17.835 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.827 | 244 | 1423577 | 18.586 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 88309 | 10.396 | ng | | 97 |
| 3) Pyridine | 3.716 | 79 | 251409 | 9.945 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 115291 | 10.049 | ng | # | 96 |
| 6) Aniline | 7.169 | 93 | 241475 | 9.752 | ng | | 99 |
| 8) 2-Chlorophenol | 7.410 | 128 | 208605 | 9.541 | ng | | 97 |
| 9) Benzaldehyde | 6.987 | 77 | 155621m | 11.718 | ng | | |
| 10) Phenol | 7.034 | 94 | 265092 | 9.479 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 223062 | 9.935 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 238748 | 9.976 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 242297 | 9.940 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 235510 | 9.818 | ng | | 99 |
| 15) Benzyl Alcohol | 8.081 | 79 | 173167 | 9.153 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 320677 | 10.153 | ng | | 98 |
| 17) 2-Methylphenol | 8.287 | 107 | 169473 | 9.486 | ng | | 97 |
| 18) Hexachloroethane | 8.934 | 117 | 95755 | 9.834 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.651 | 70 | 182215 | 9.676 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 235709 | 9.455 | ng | | 99 |
| 22) Acetophenone | 8.663 | 105 | 352718 | 9.690 | ng | | 98 |
| 24) Nitrobenzene | 9.039 | 77 | 281172 | 9.890 | ng | | 97 |
| 25) Isophorone | 9.575 | 82 | 470185 | 9.667 | ng | | 99 |
| 26) 2-Nitrophenol | 9.757 | 139 | 80470 | 8.306 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 140049 | 9.537 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.051 | 93 | 301673 | 9.874 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.286 | 162 | 168270 | 9.019 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 204663 | 9.576 | ng | | 99 |
| 31) Naphthalene | 10.698 | 128 | 721252 | 9.645 | ng | | 100 |
| 32) Benzoic acid | 9.881 | 122 | 86588m | 11.758 | ng | | |
| 33) 4-Chloroaniline | 10.798 | 127 | 258393 | 9.557 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 114671 | 9.687 | ng | | 97 |
| 35) Caprolactam | 11.545 | 113 | 54845m | 8.924 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.916 | 107 | 196835 | 9.206 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.304 | 142 | 465005 | 9.343 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.527 | 142 | 464087 | 9.383 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.675 | 216 | 206736 | 9.080 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 68457 | 9.197 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 126475 | 8.866 | ng | | 96 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.980 | 196 | 145073 | 9.004 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.316 | 154 | 608567 | 9.295 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 478244 | 9.408 | ng | | 98 |
| 48) 2-Nitroaniline | 13.551 | 65 | 132239 | 8.856 | ng | | 96 |
| 49) Acenaphthylene | 14.198 | 152 | 672163 | 9.163 | ng | | 100 |
| 50) Dimethylphthalate | 13.933 | 163 | 550414 | 9.597 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.045 | 165 | 112135 | 9.262 | ng | | 99 |
| 52) Acenaphthene | 14.545 | 154 | 467519 | 9.096 | ng | | 99 |
| 53) 3-Nitroaniline | 14.369 | 138 | 119611 | 8.888 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.574 | 184 | 33163 | 9.768 | ng | | 93 |
| 55) Dibenzofuran | 14.874 | 168 | 677086 | 9.374 | ng | | 98 |
| 56) 4-Nitrophenol | 14.669 | 139 | 97384 | 8.794 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.827 | 165 | 142048 | 8.797 | ng | | 96 |
| 58) Fluorene | 15.521 | 166 | 579655 | 8.914 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 113929 | 9.069 | ng | | 97 |
| 60) Diethylphthalate | 15.298 | 149 | 578136 | 9.472 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204 | 263120 | 8.849 | ng | | 97 |
| 62) 4-Nitroaniline | 15.527 | 138 | 132564 | 8.380 | ng | | 98 |
| 63) Azobenzene | 15.810 | 77 | 655893 | 9.759 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 49684 | 12.260 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.727 | 169 | 445180 | 8.925 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248 | 138443 | 8.738 | ng | | 97 |
| 68) Hexachlorobenzene | 16.527 | 284 | 160144 | 8.922 | ng | | 99 |
| 69) Atrazine | 16.674 | 200 | 126086 | 9.145 | ng | | 97 |
| 70) Pentachlorophenol | 16.862 | 266 | 82092 | 7.890 | ng | | 96 |
| 71) Phenanthrene | 17.257 | 178 | 814486 | 9.064 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 765298 | 8.864 | ng | | 99 |
| 73) Carbazole | 17.609 | 167 | 770982 | 9.011 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 894326 | 8.736 | ng | | 100 |
| 75) Fluoranthene | 19.262 | 202 | 851416 | 8.684 | ng | | 98 |
| 77) Benzidine | 19.445 | 184 | 219784 | 11.370 | ng | | 99 |
| 78) Pyrene | 19.621 | 202 | 903792 | 9.028 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.521 | 149 | 325275 | 8.440 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.421 | 228 | 837076 | 9.357 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.339 | 252 | 223939 | 9.410 | ng | | 97 |
| 83) Chrysene | 21.480 | 228 | 808300 | 9.553 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149 | 522491 | 8.654 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 22.503 | 149 | 715606 | 8.380 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.879 | 276 | 704555 | 8.979 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.509 | 252 | 748473 | 8.823 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.568 | 252 | 741238 | 8.816 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.321 | 252 | 616575 | 8.868 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 27.944 | 278 | 585954 | 8.876 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 28.950 | 276 | 578576 | 8.972 | ng | | 98 |

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

ICAL Form

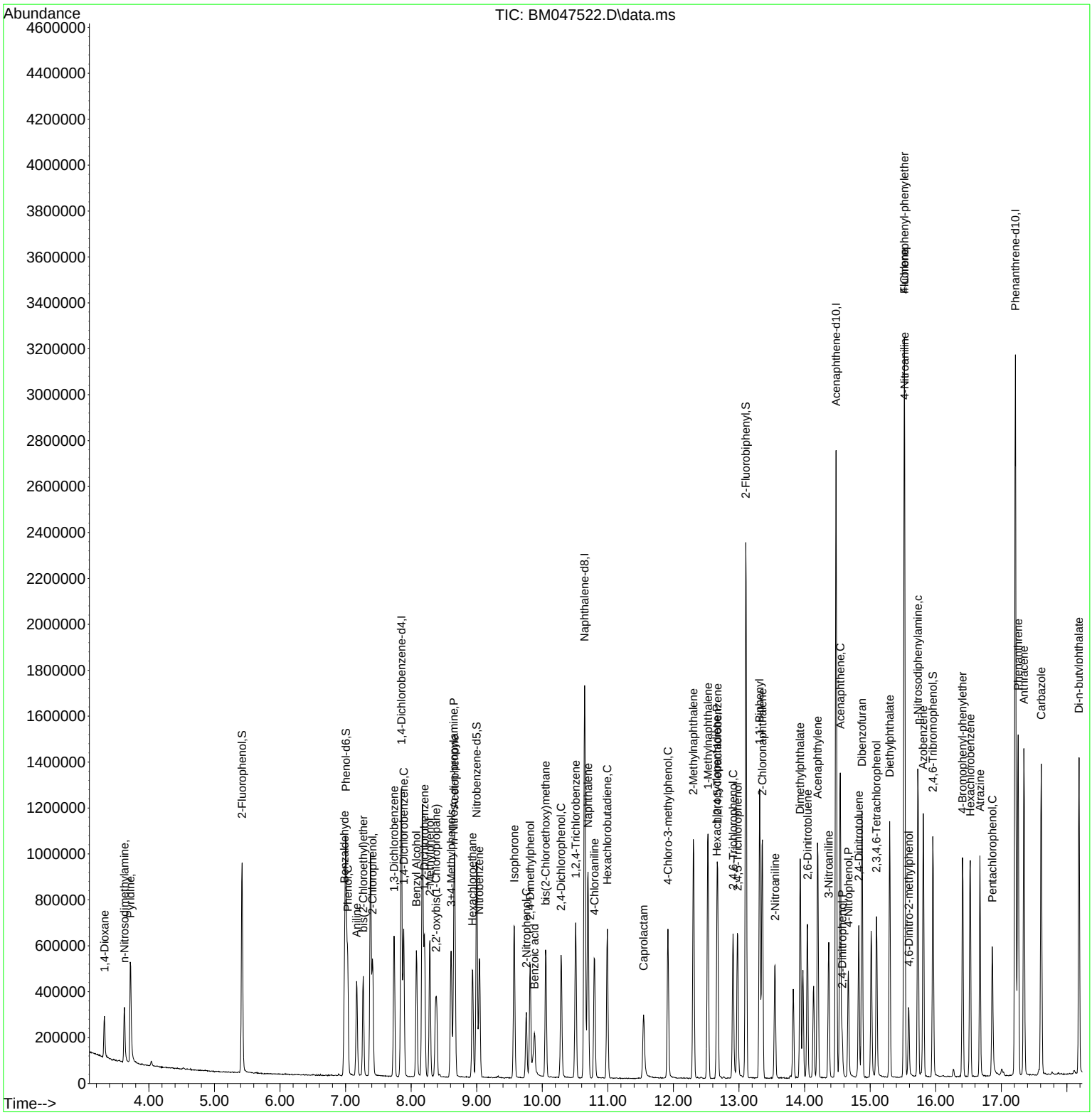
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047522.D
Acq On : 14 Sep 2024 13:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 15 08:45:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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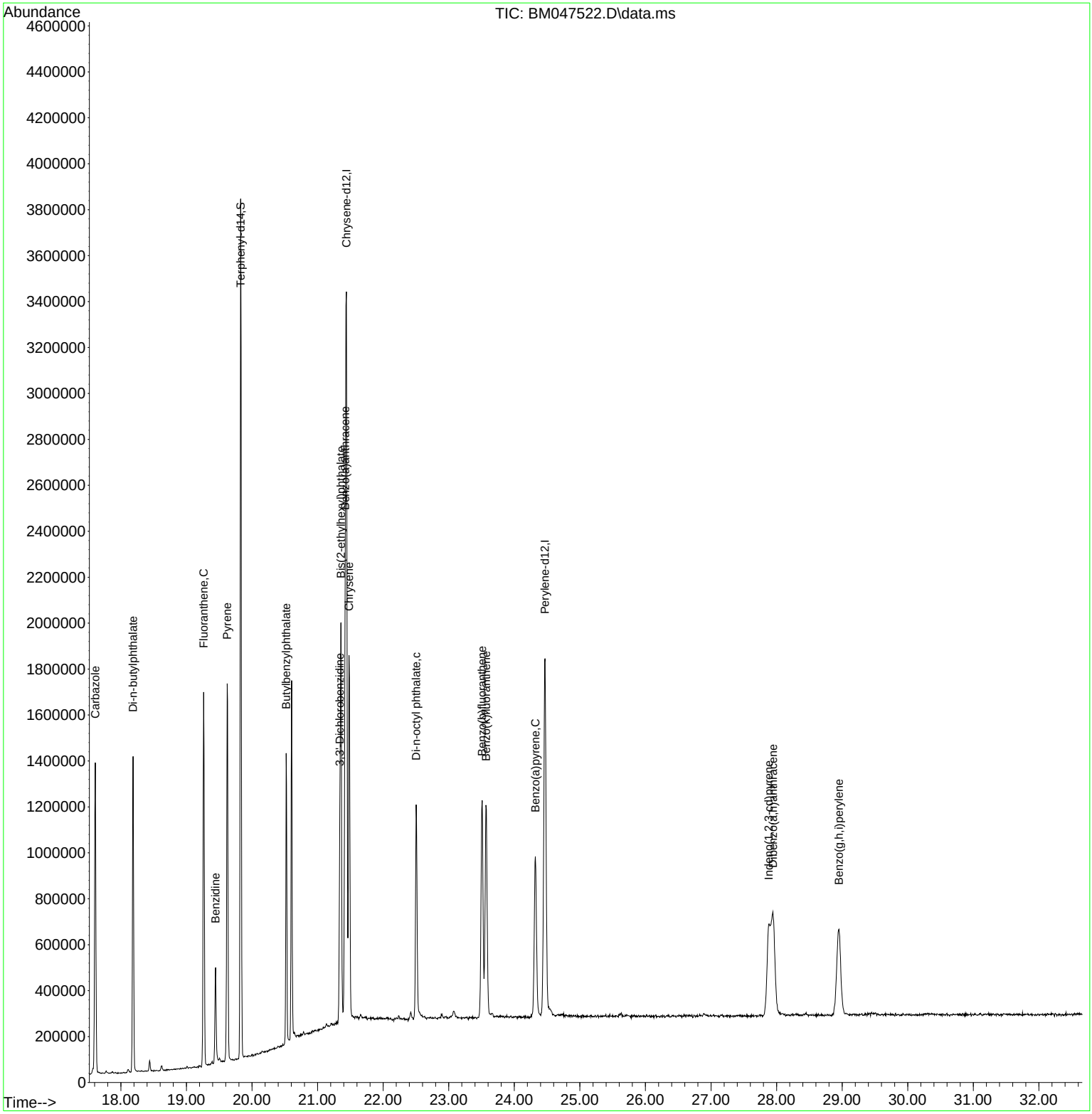
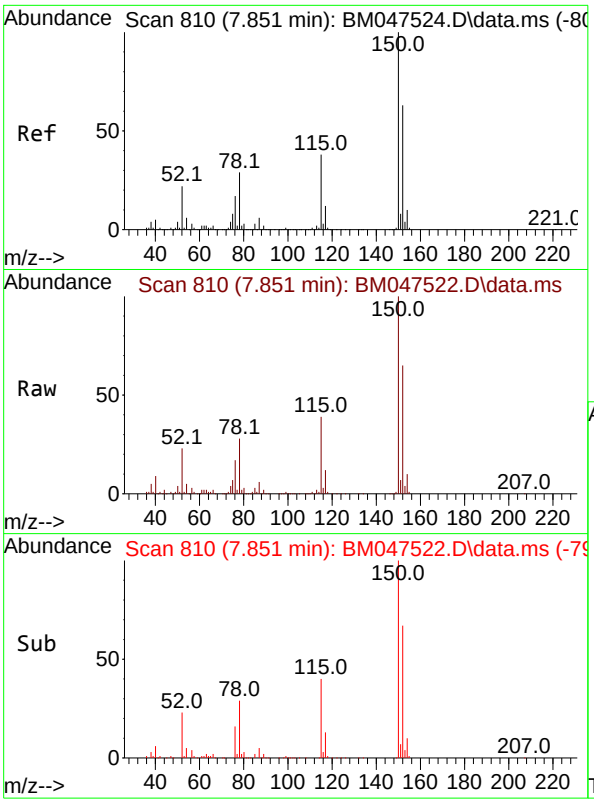
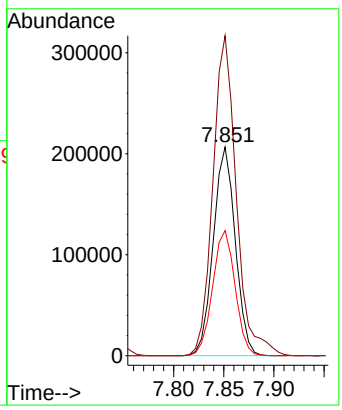





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:152 Resp: 31578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.4 | 126.8 | 190.2 |
| 115 | 59.9 | 47.8 | 71.8 |

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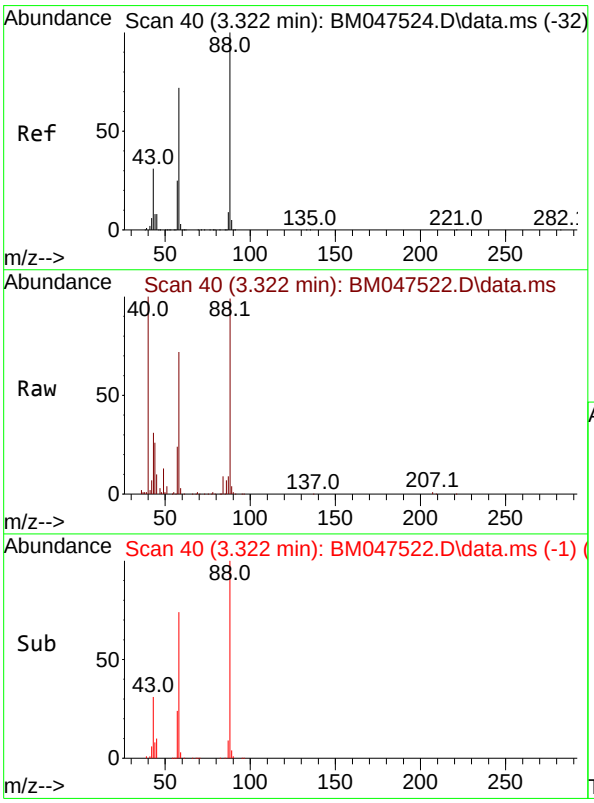
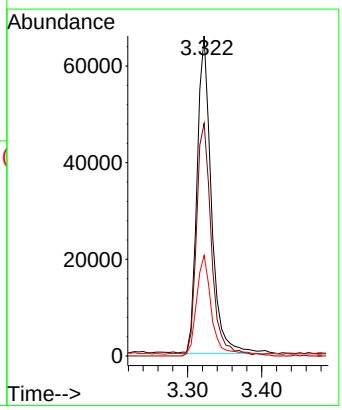
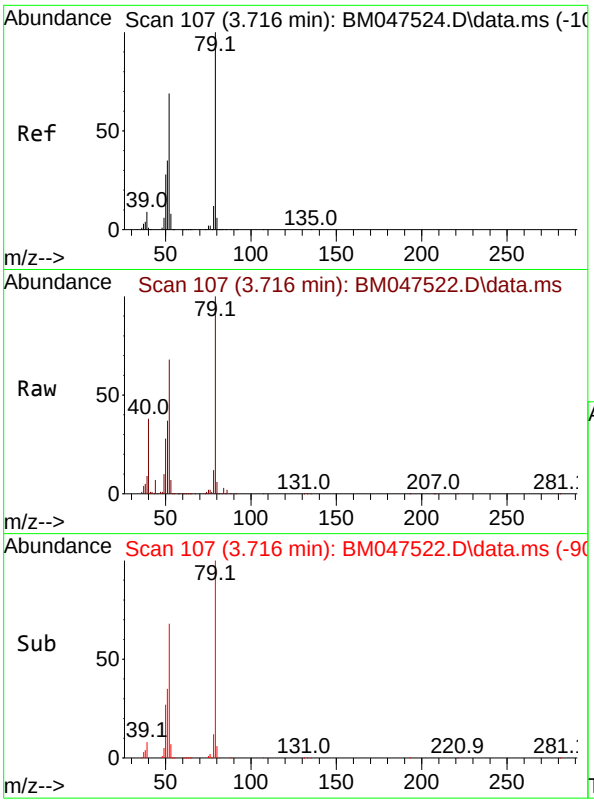



#2
1,4-Dioxane
Concen: 10.396 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 88 Resp: 88309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.7 | 59.0 | 88.6 |
| 43 | 31.6 | 25.0 | 37.4 |

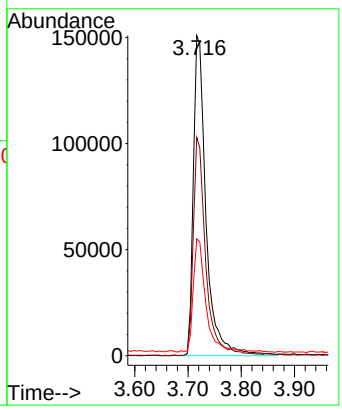





#3
Pyridine
Concen: 9.945 ng
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 79 Resp: 25140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 68.2 | 55.4 | 83.0 |
| 51 | 36.5 | 27.9 | 41.9 |




**Instrument :**
BNA_M
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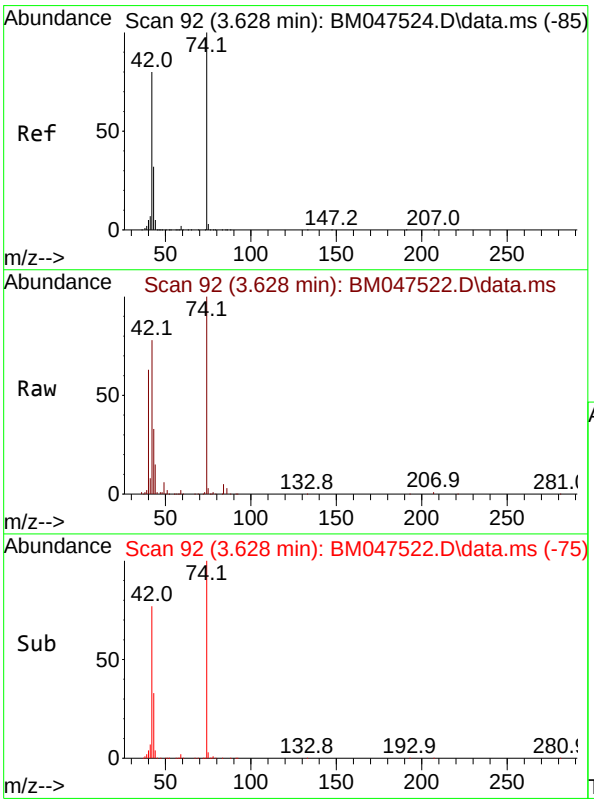
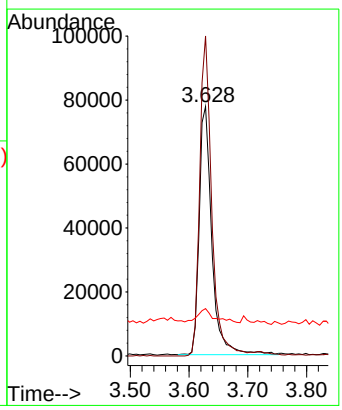
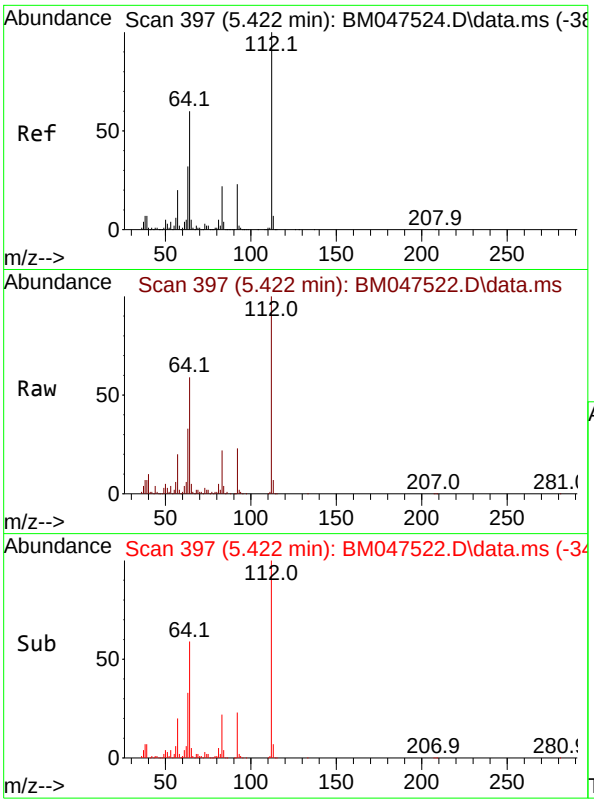



#4
n-Nitrosodimethylamine
Concen: 10.049 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 42 Resp: 115291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 128.3 | 100.5 | 150.7 |
| 44 | 19.0 | 6.9 | 10.3# |

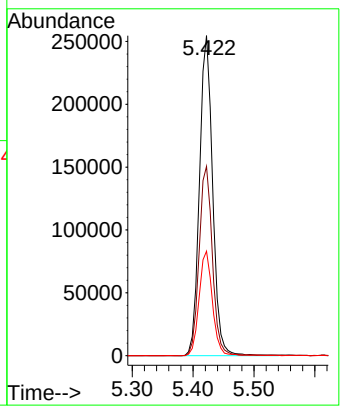





#5
2-Fluorophenol
Concen: 19.236 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:112 Resp: 38150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.2 | 48.2 | 72.4 |
| 63 | 32.6 | 26.0 | 39.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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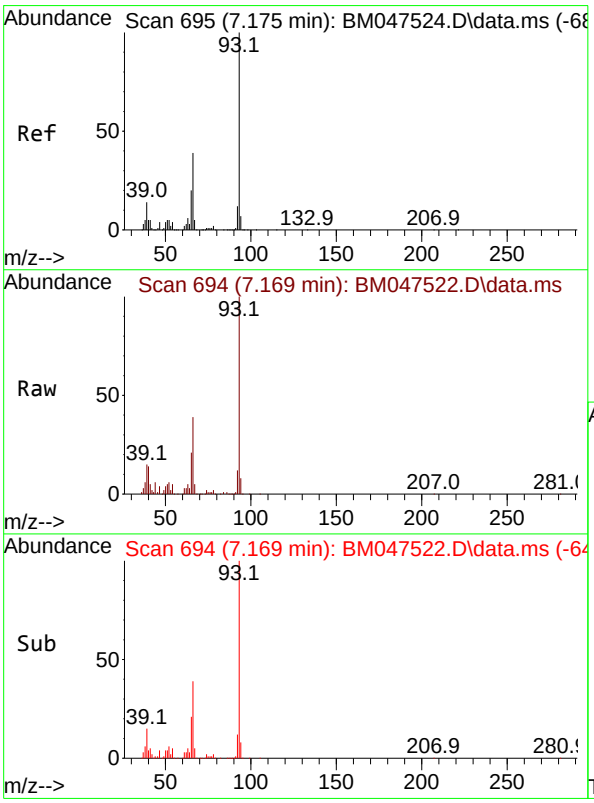
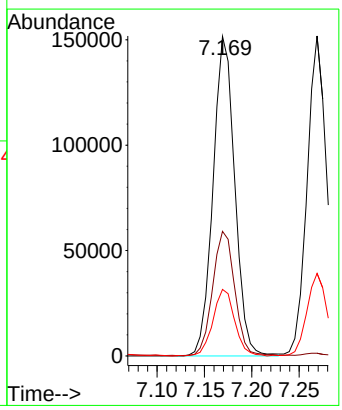
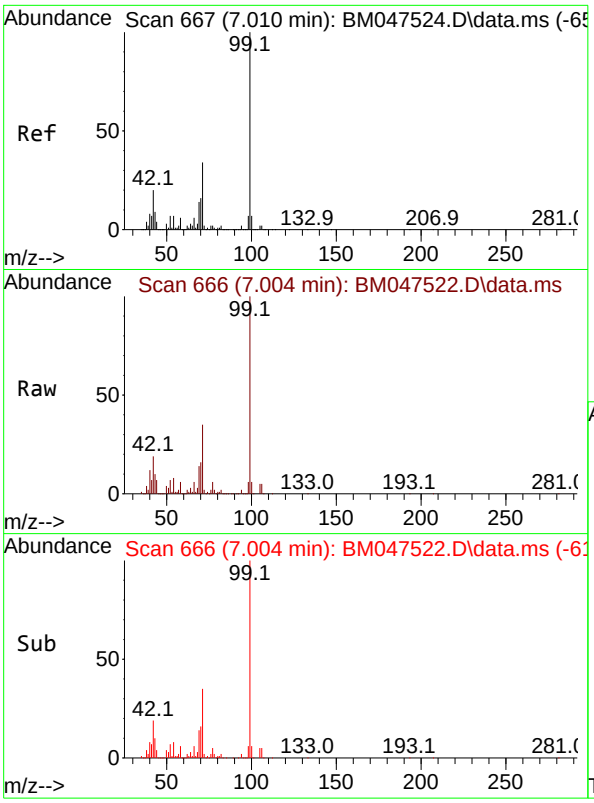



#6
Aniline
Concen: 9.752 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 241475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.0 | 31.4 | 47.0 |
| 65 | 20.8 | 16.3 | 24.5 |

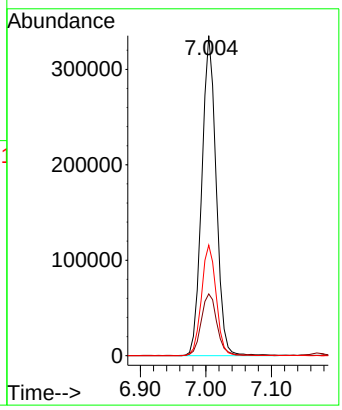





#7
Phenol-d6
Concen: 18.354 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 99 Resp: 51264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 15.8 | 23.8 |
| 71 | 34.5 | 27.6 | 41.4 |




**Instrument :**
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SSTDICC010

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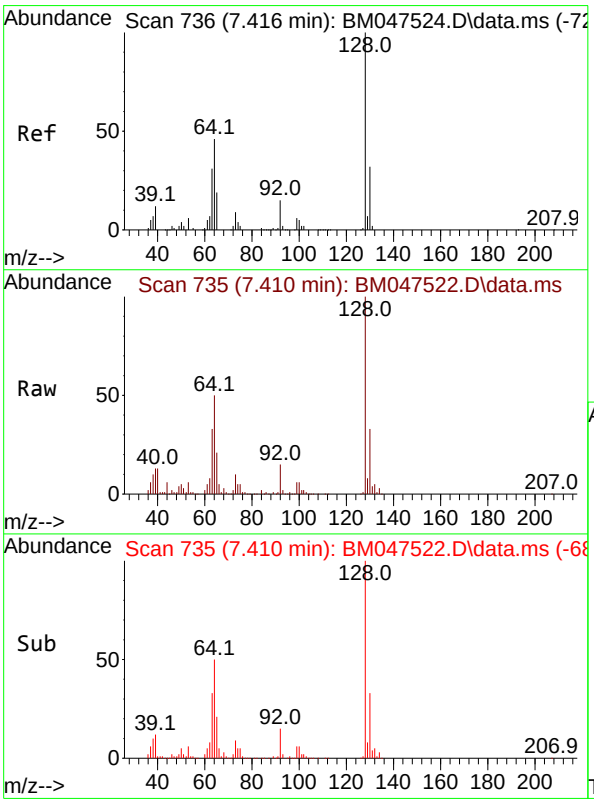
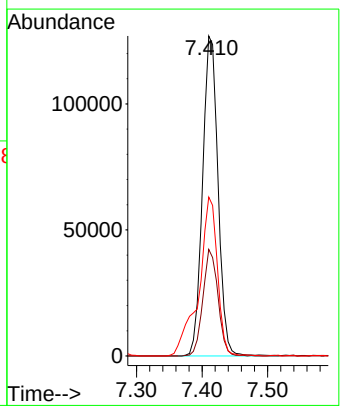
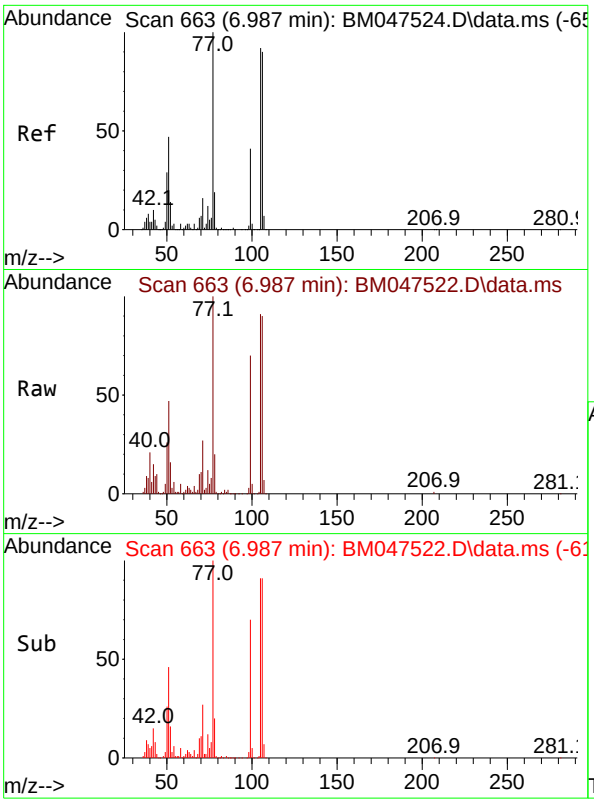



#8
2-Chlorophenol
Concen: 9.541 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:128 Resp: 208605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.3 | 11.8 | 51.8 |
| 64 | 49.7 | 27.6 | 67.6 |

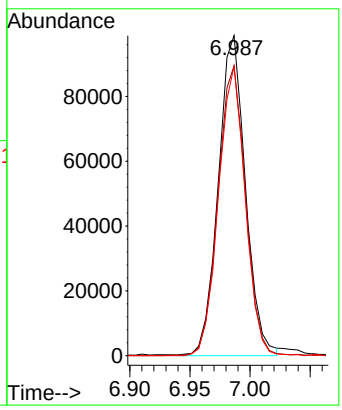





#9
Benzaldehyde
Concen: 11.718 ng m
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 15562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.6 | 71.8 | 111.8 |
| 106 | 90.4 | 69.7 | 109.7 |

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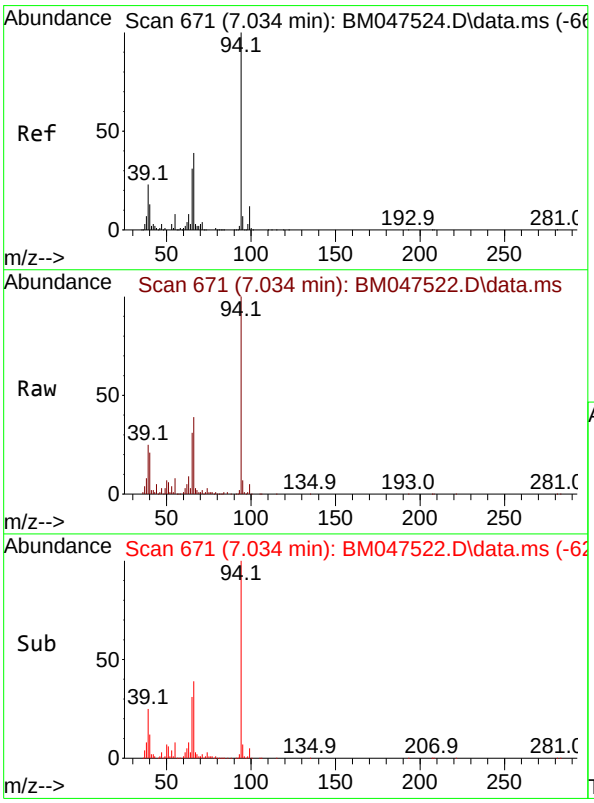
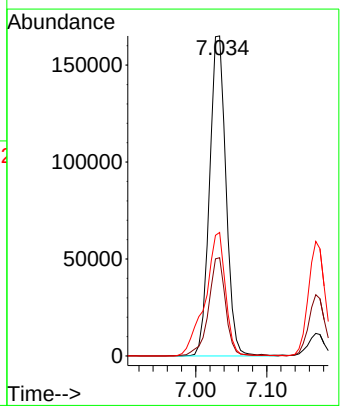
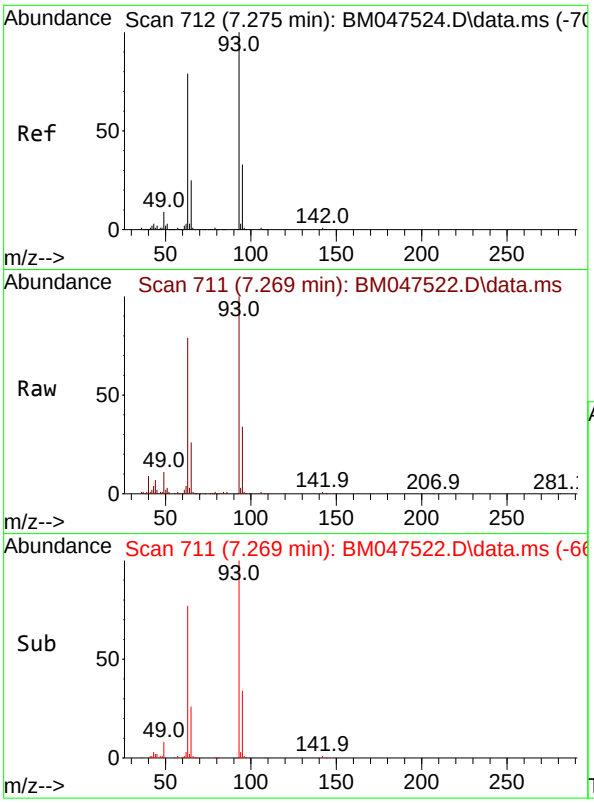



#10
Phenol
Concen: 9.479 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 94 Resp: 265092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.7 | 10.8 | 50.8 |
| 66 | 38.6 | 19.2 | 59.2 |

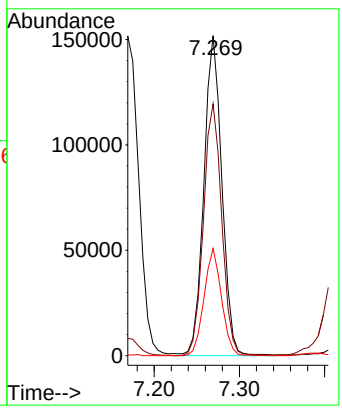





#11
bis(2-Chloroethyl)ether
Concen: 9.935 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 22306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.7 | 58.2 | 98.2 |
| 95 | 33.5 | 12.8 | 52.8 |

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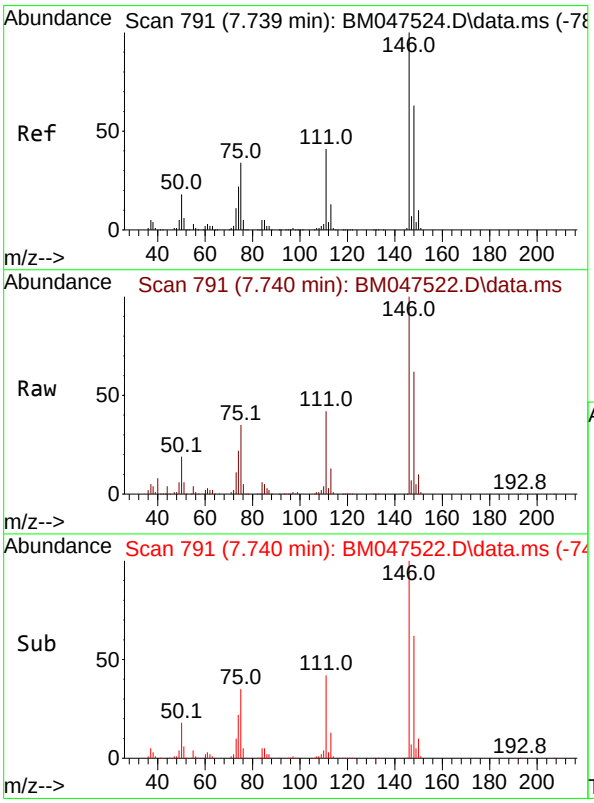
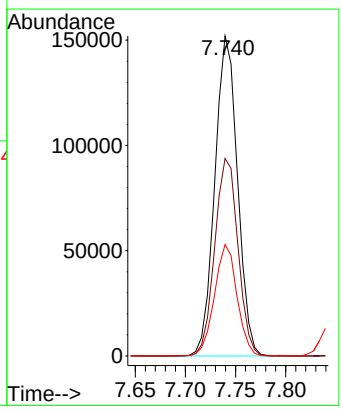
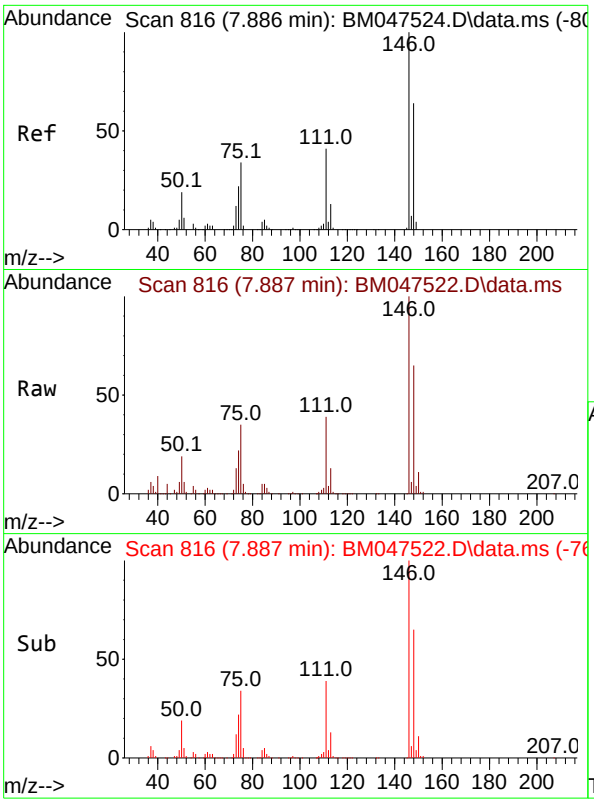



#12
1,3-Dichlorobenzene
Concen: 9.976 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 238748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 50.2 | 75.4 |
| 75 | 34.8 | 27.4 | 41.0 |

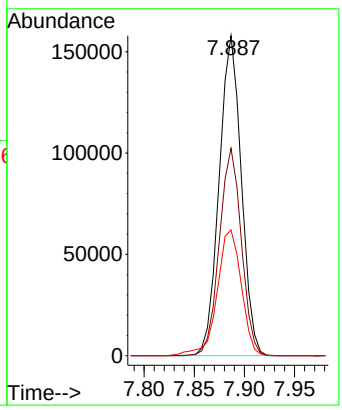





#13
1,4-Dichlorobenzene
Concen: 9.940 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 24229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.3 | 76.9 |
| 111 | 39.3 | 32.9 | 49.3 |

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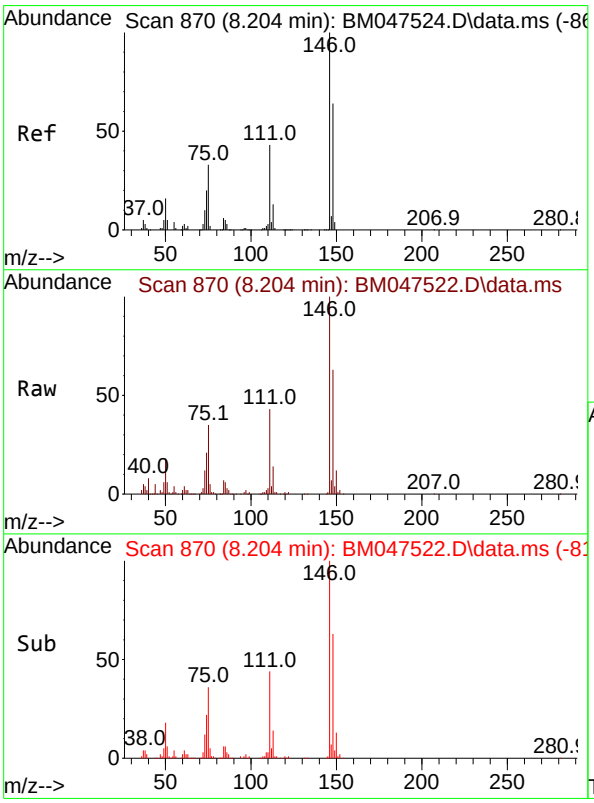
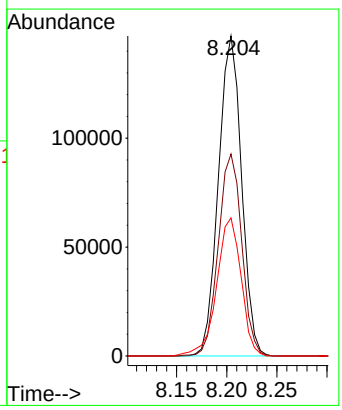
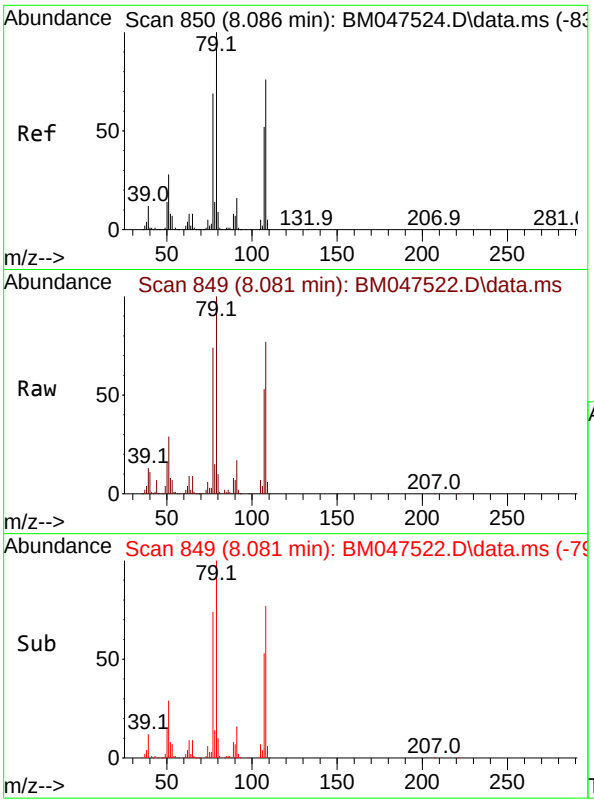



#14
1,2-Dichlorobenzene
Concen: 9.818 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:146 Resp: 235510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 51.1 | 76.7 |
| 111 | 43.2 | 34.7 | 52.1 |

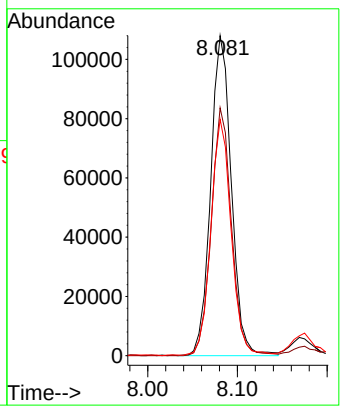





#15
Benzyl Alcohol
Concen: 9.153 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 79 Resp: 17316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.5 | 60.6 | 91.0 |
| 77 | 73.8 | 55.0 | 82.4 |

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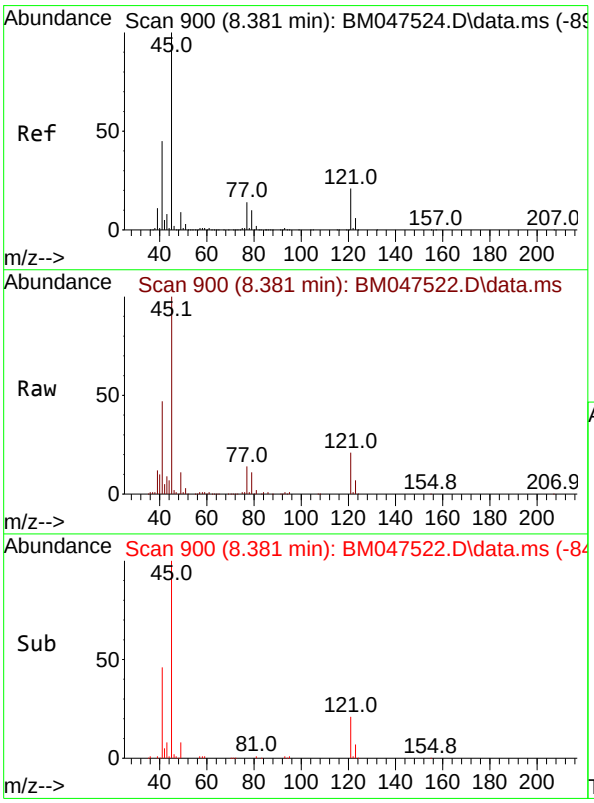
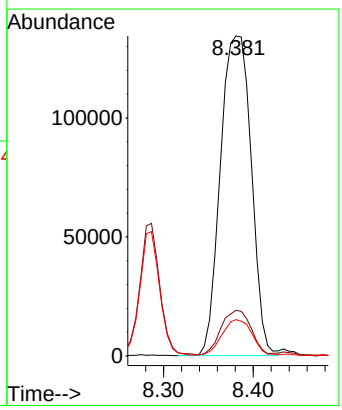
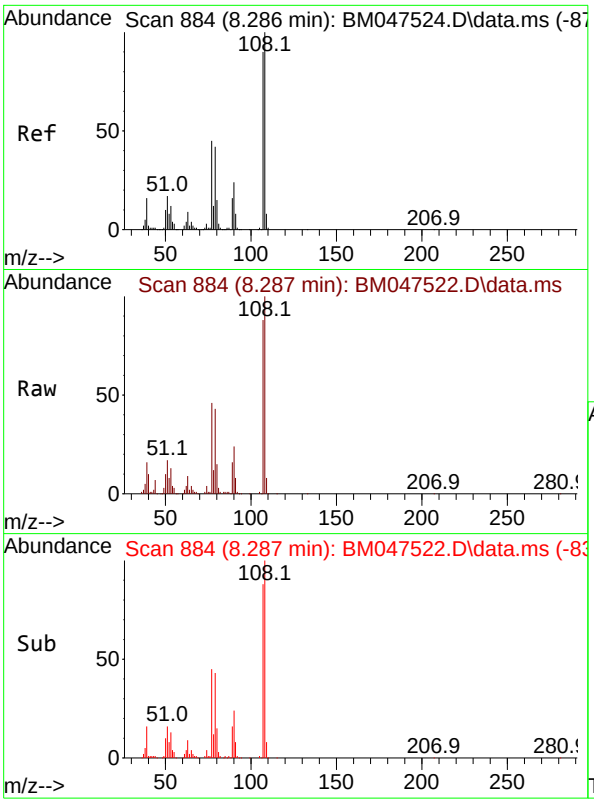



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.153 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 45 Resp: 320677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.3 | 0.0 | 33.7 |
| 79 | 11.4 | 0.0 | 30.3 |

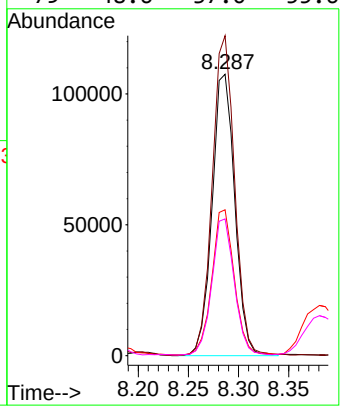





#17
2-Methylphenol
Concen: 9.486 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 16947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.7 | 88.9 | 133.3 |
| 77 | 51.9 | 39.8 | 59.8 |
| 79 | 48.6 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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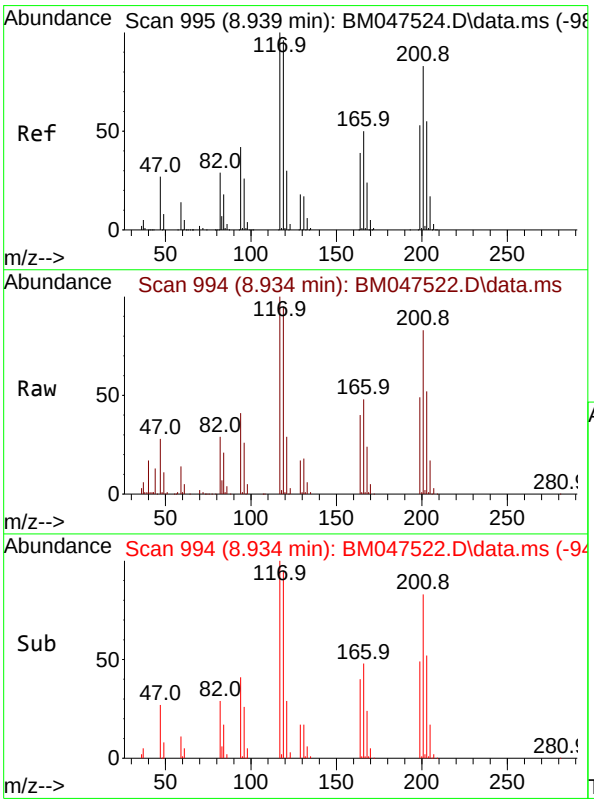
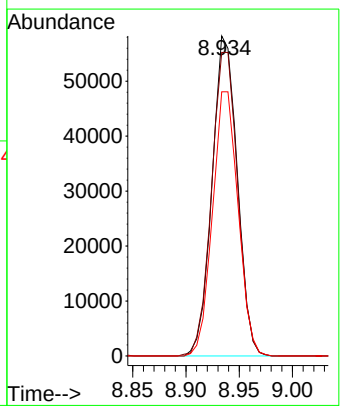
Supervised By :mohammad ahmed 09/17/2024

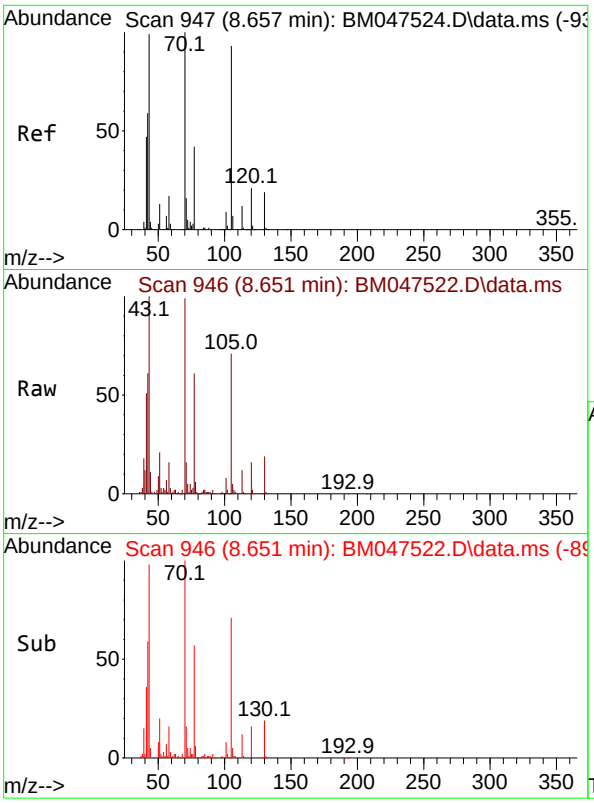



#18
Hexachloroethane
Concen: 9.834 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:117 Resp: 95755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 77.0 | 115.4 |
| 201 | 82.6 | 66.8 | 100.2 |

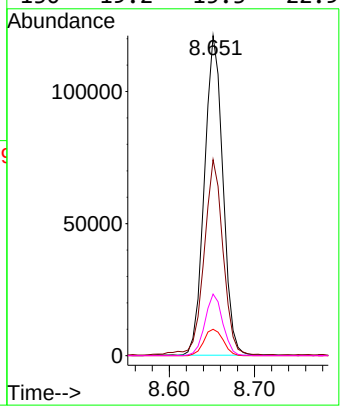





#19
n-Nitroso-di-n-propylamine
Concen: 9.676 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 70 Resp: 18221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 61.2 | 48.2 | 72.2 |
| 101 | 8.2 | 7.0 | 10.4 |
| 130 | 19.2 | 15.3 | 22.9 |




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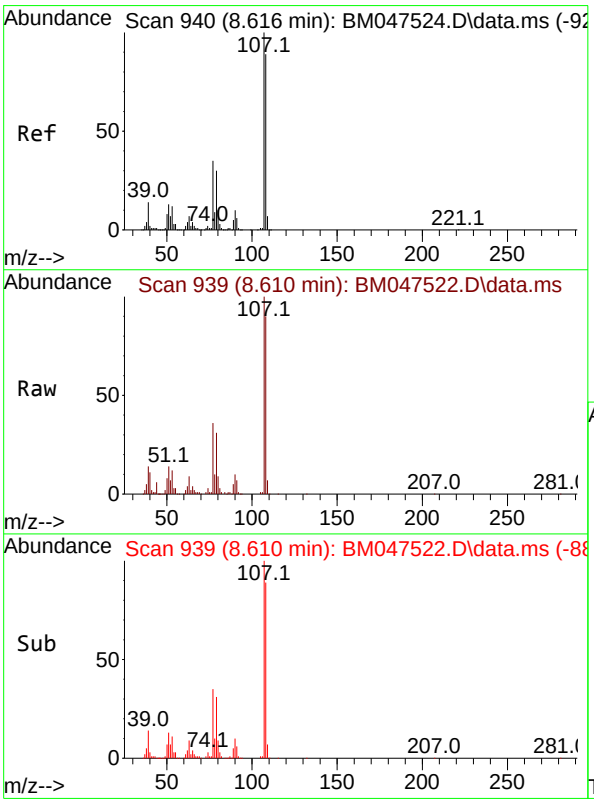
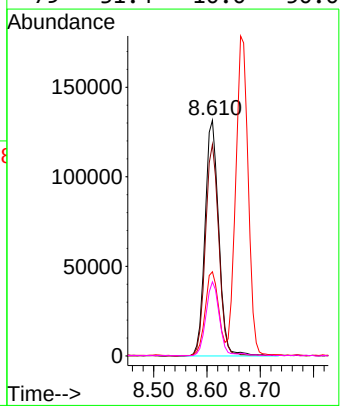
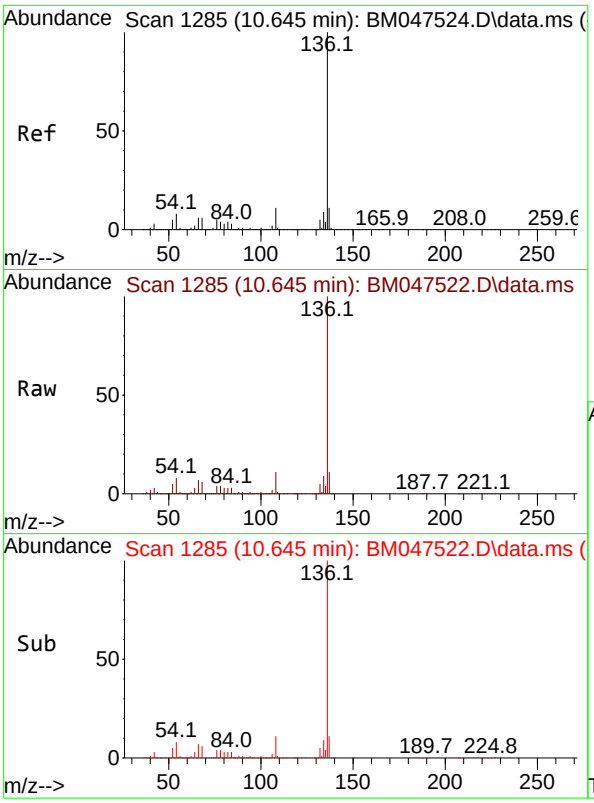



#20
3+4-Methylphenols
Concen: 9.455 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 235709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 68.9 | 108.9 |
| 77 | 35.7 | 15.5 | 55.5 |
| 79 | 31.4 | 10.0 | 50.0 |

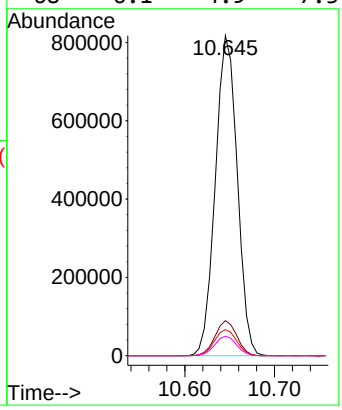





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:136 Resp: 138460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 8.2 | 6.6 | 9.8 |
| 68 | 6.1 | 4.9 | 7.3 |




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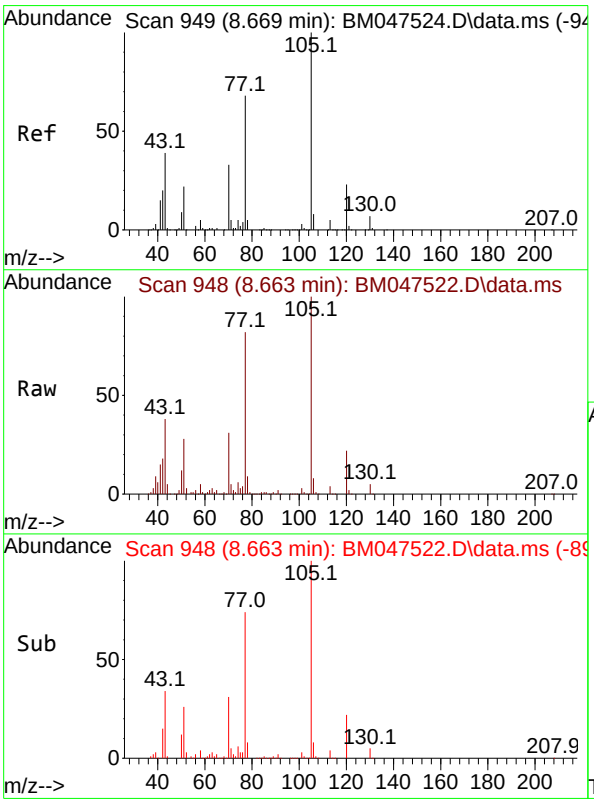
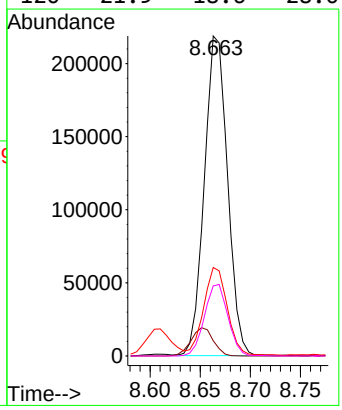
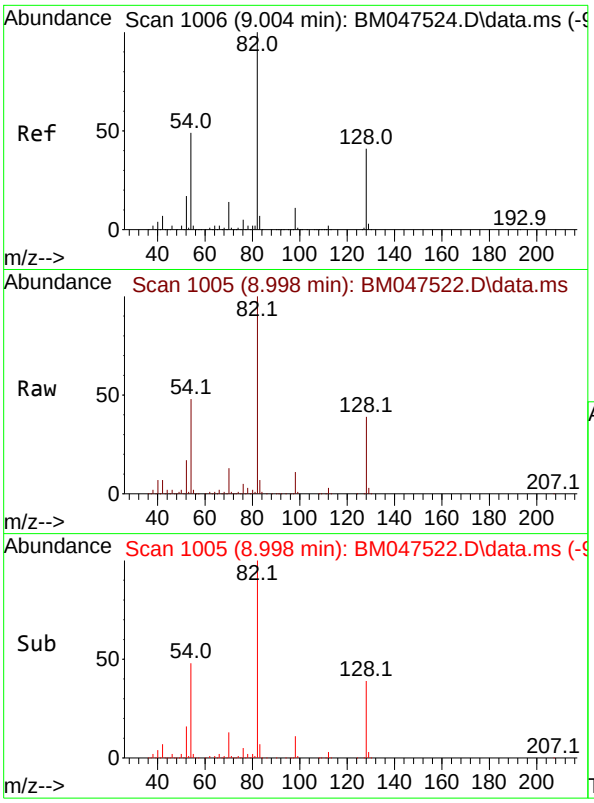



#22
Acetophenone
Concen: 9.690 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:105 Resp: 352718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.8 | 4.3 | 6.5 |
| 51 | 27.6 | 21.5 | 32.3 |
| 120 | 21.9 | 18.6 | 28.0 |

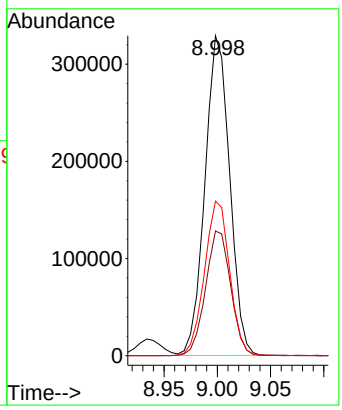





#23
Nitrobenzene-d5
Concen: 19.231 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 82 Resp: 53204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.9 | 33.0 | 49.4 |
| 54 | 48.3 | 39.3 | 58.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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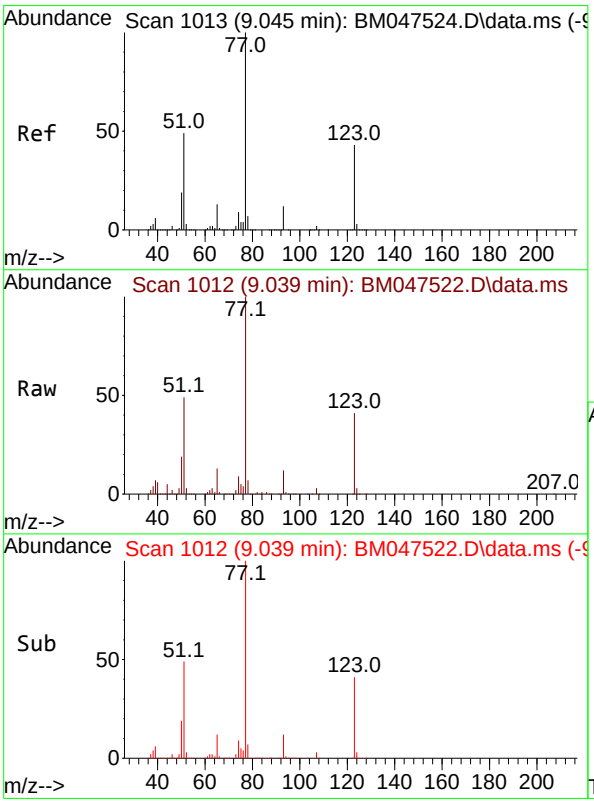
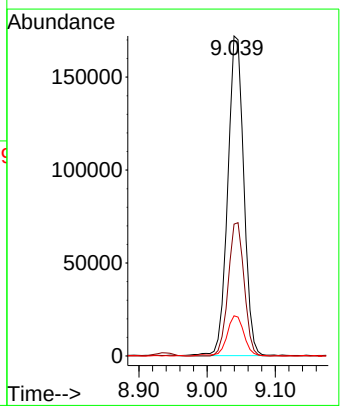
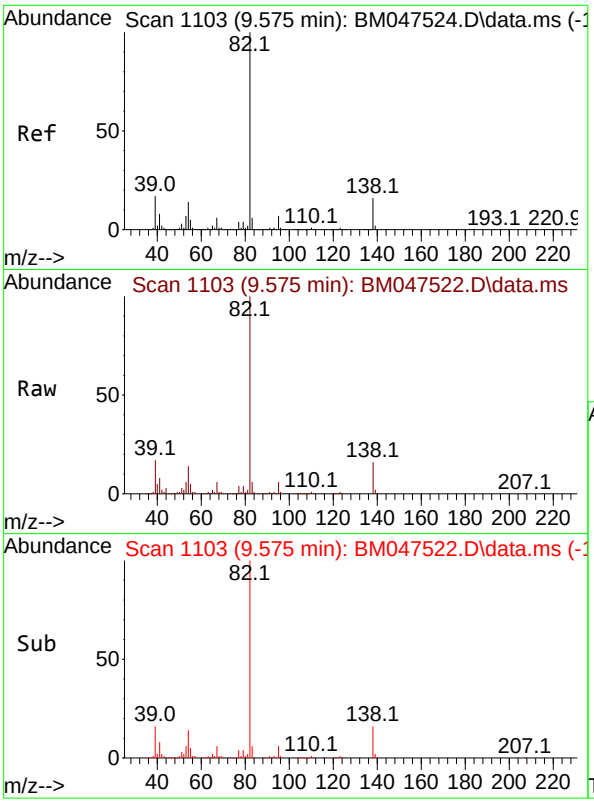



#24
Nitrobenzene
Concen: 9.890 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 281172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 41.2 | 34.5 | 51.7 |
| 65 | 12.6 | 10.7 | 16.1 |

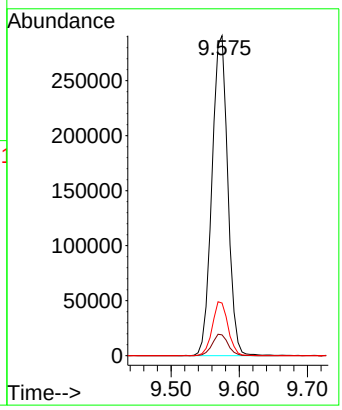





#25
Isophorone
Concen: 9.667 ng
RT: 9.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 82 Resp: 47018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.5 | 5.4 | 8.0 |
| 138 | 16.5 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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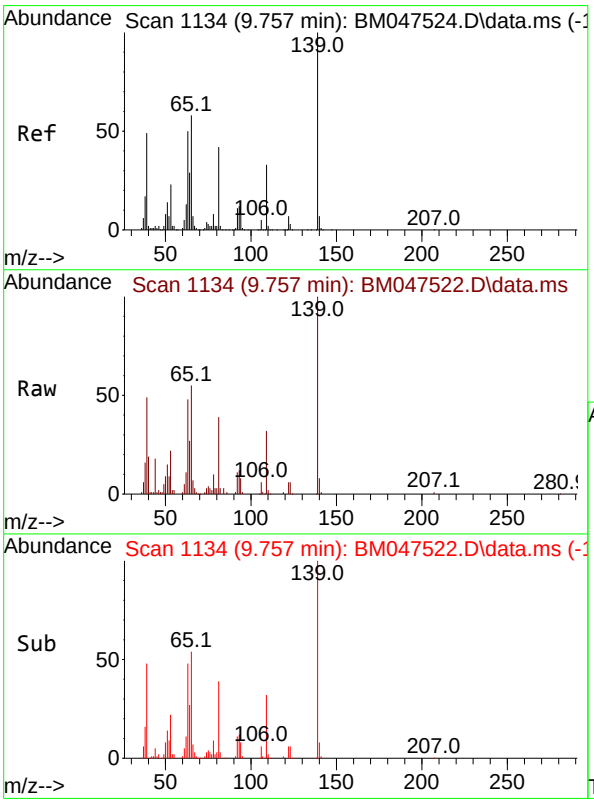
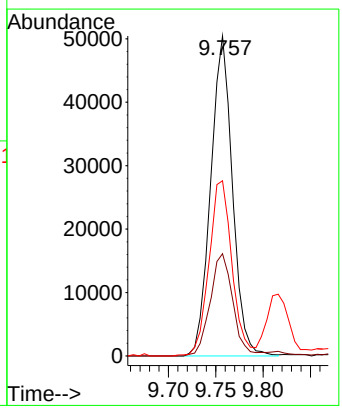
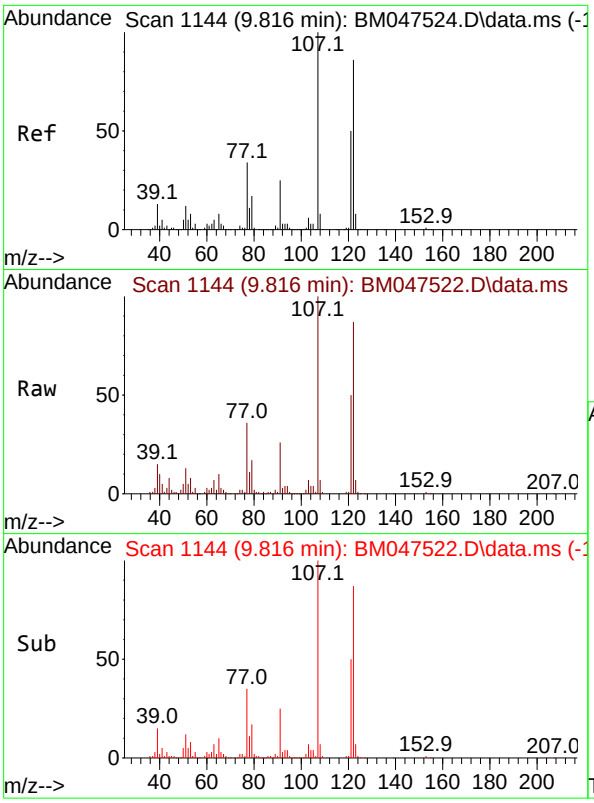



#26
2-Nitrophenol
Concen: 8.306 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:139 Resp: 80470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.0 | 26.0 | 39.0 |
| 65 | 54.8 | 46.2 | 69.4 |






#27
2,4-Dimethylphenol
Concen: 9.537 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:122 Resp: 14004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.5 | 92.4 | 138.6 |
| 121 | 57.1 | 46.2 | 69.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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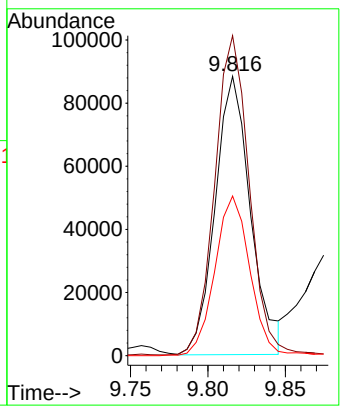
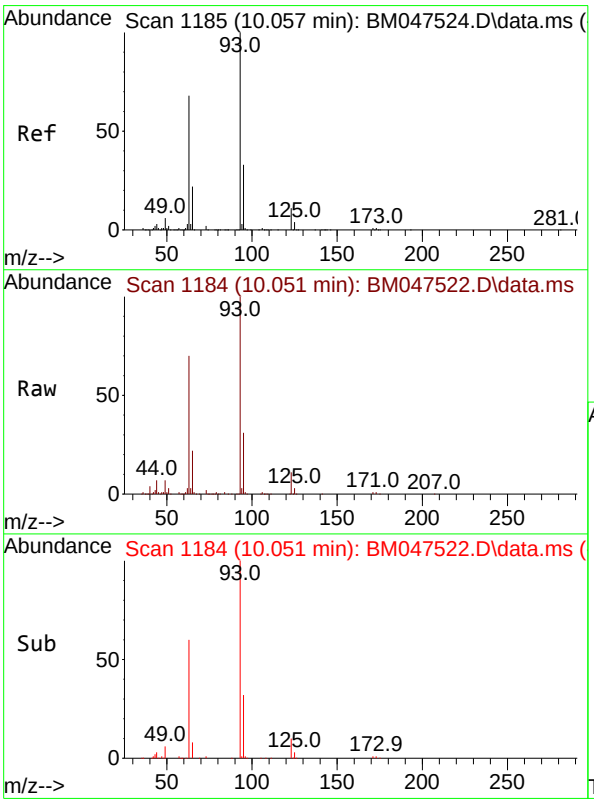
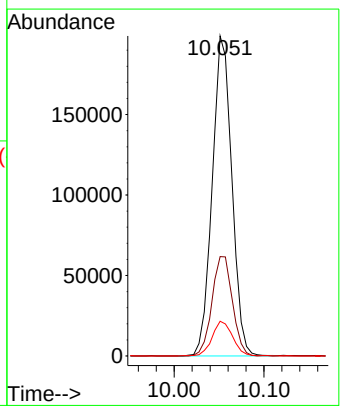


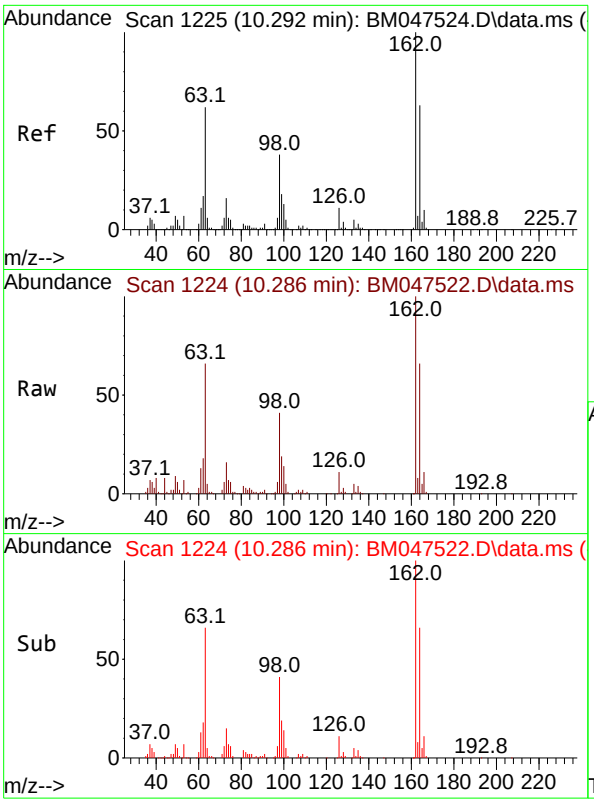




#28
bis(2-Chloroethoxy)methane
Concen: 9.874 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 93 Resp: 301673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.1 | 26.2 | 39.2 |
| 123 | 10.9 | 9.2 | 13.8 |






#29
2,4-Dichlorophenol
Concen: 9.019 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:162 Resp: 16827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 66.5 | 43.5 | 83.5 |
| 98 | 41.3 | 17.6 | 57.6 |

**Instrument :**
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SSTDICC010

**Manual Integrations**
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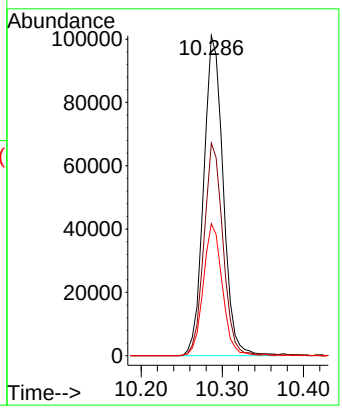
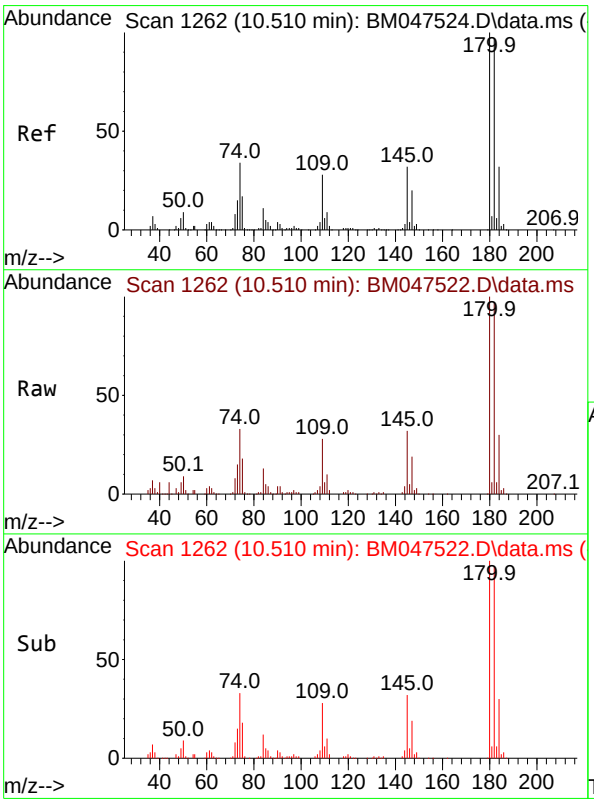
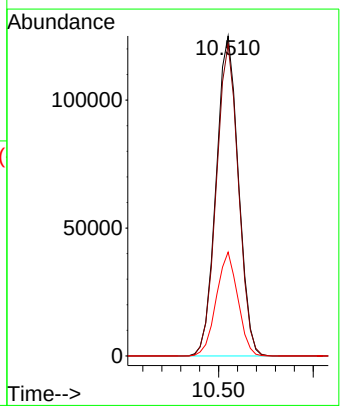


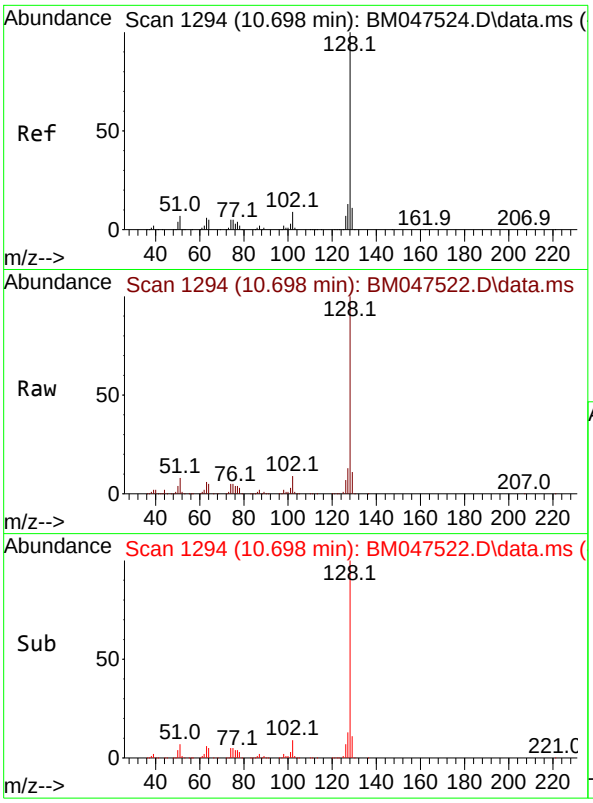




#30
1,2,4-Trichlorobenzene
Concen: 9.576 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:180 Resp: 204663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.3 | 77.6 | 116.4 |
| 145 | 32.5 | 25.4 | 38.0 |

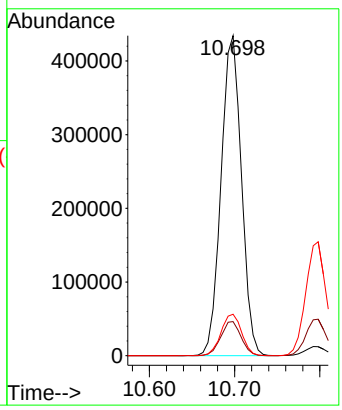





#31
Naphthalene
Concen: 9.645 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:128 Resp: 72125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.7 | 13.1 |
| 127 | 13.0 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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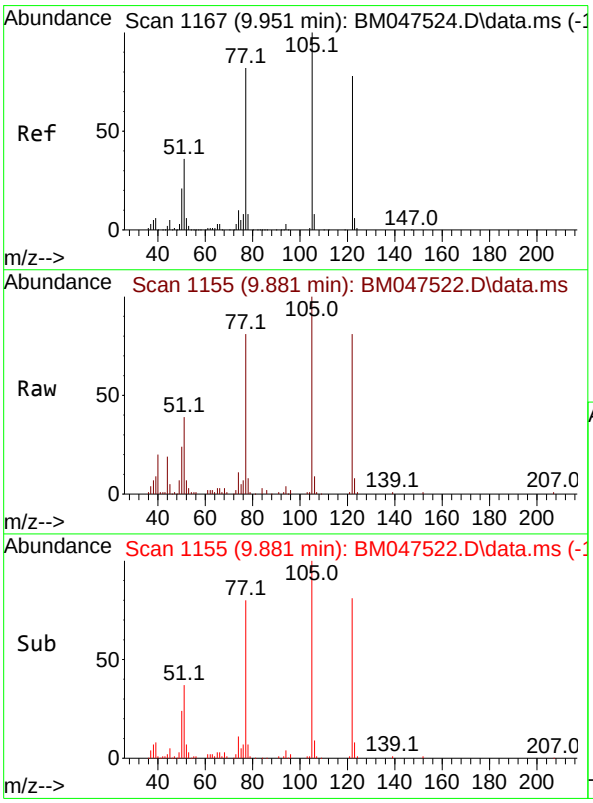
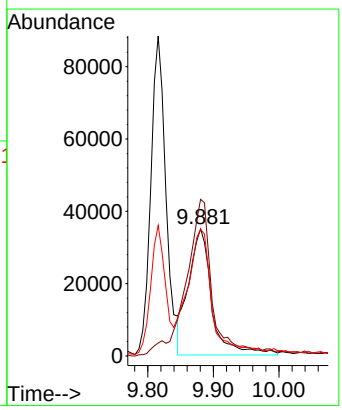
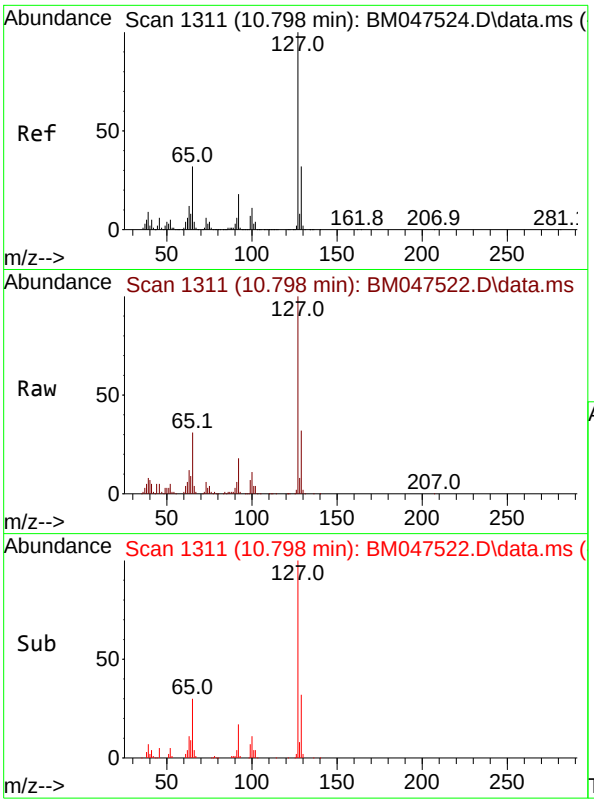



#32
Benzoic acid
Concen: 11.758 ng m
RT: 9.881 min Scan# 1155
Delta R.T. -0.070 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:122 Resp: 86588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.2 | 104.7 | 144.7 |
| 77 | 99.7 | 83.4 | 123.4 |

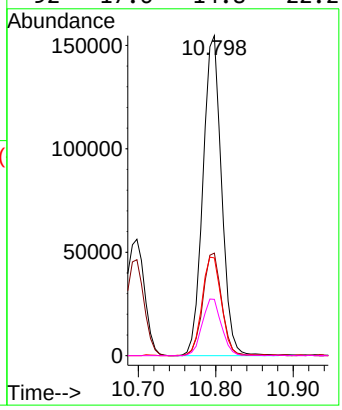





#33
4-Chloroaniline
Concen: 9.557 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:127 Resp: 25839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.4 | 38.0 |
| 65 | 30.6 | 25.5 | 38.3 |
| 92 | 17.6 | 14.8 | 22.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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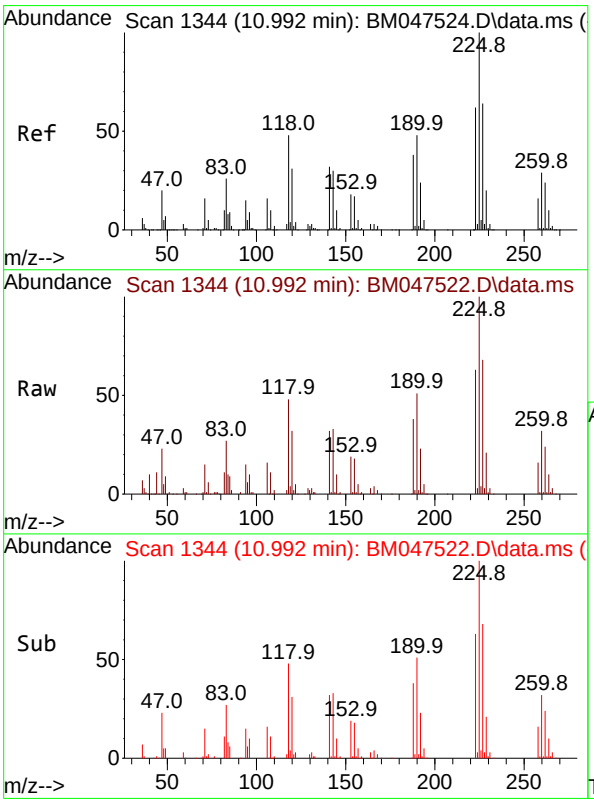
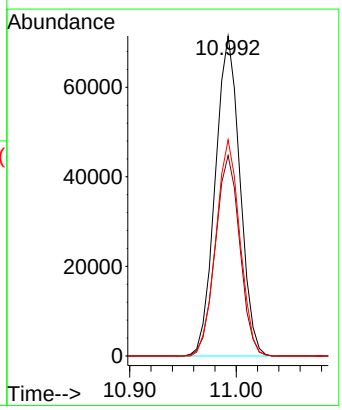
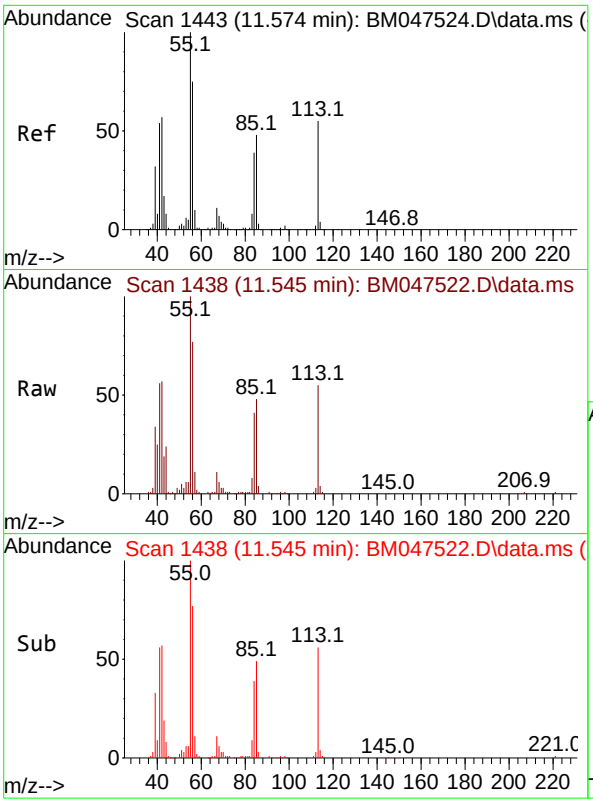



#34
Hexachlorobutadiene
Concen: 9.687 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:225 Resp: 114671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 49.8 | 74.6 |
| 227 | 67.5 | 51.0 | 76.4 |

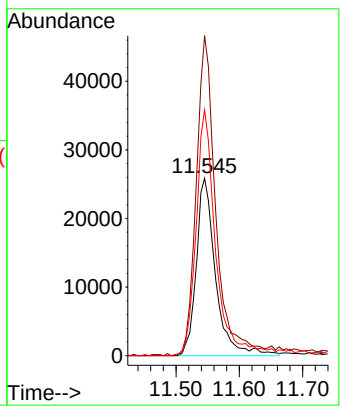





#35
Caprolactam
Concen: 8.924 ng m
RT: 11.545 min Scan# 14
Delta R.T. -0.029 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:113 Resp: 5484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 180.4 | 162.5 | 202.5 |
| 56 | 138.6 | 116.5 | 156.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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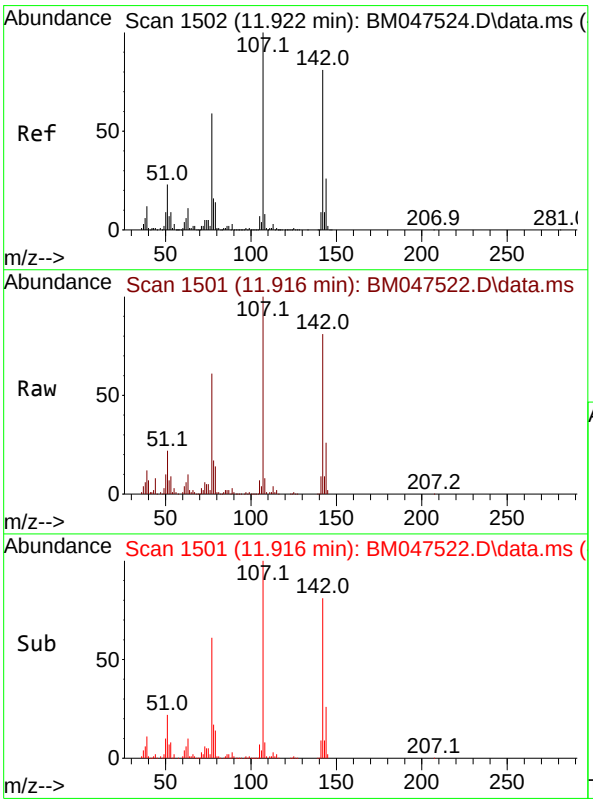
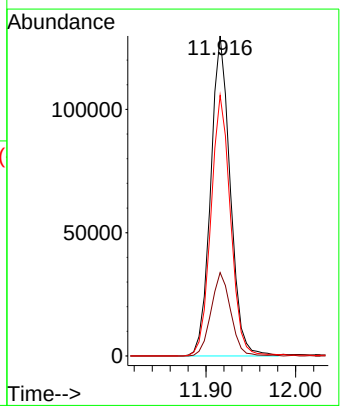
Supervised By :mohammad ahmed 09/17/2024

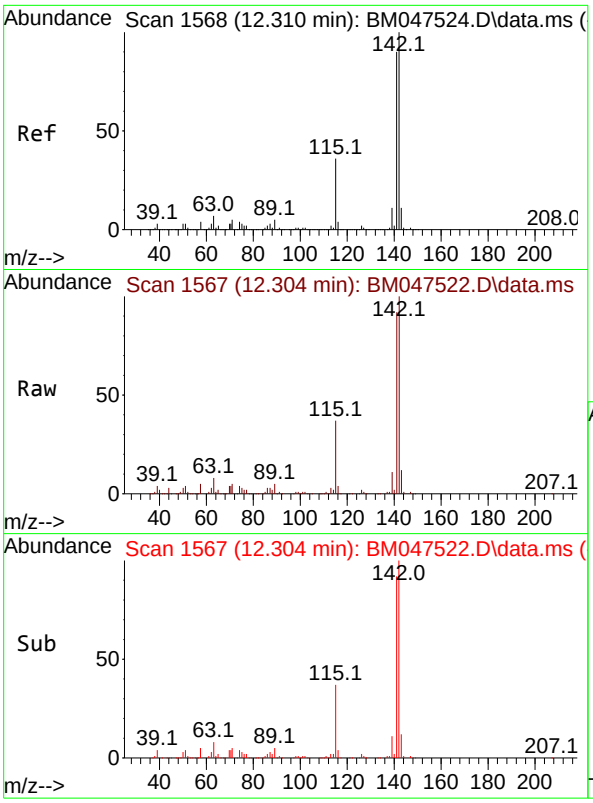



#36
4-Chloro-3-methylphenol
Concen: 9.206 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:107 Resp: 196835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.1 | 20.5 | 30.7 |
| 142 | 81.4 | 65.0 | 97.4 |

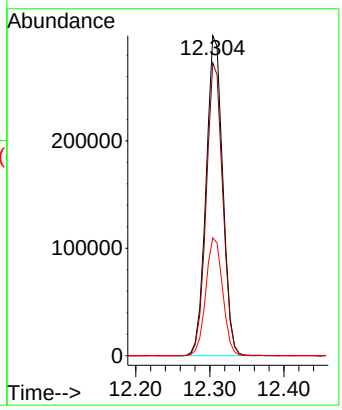





#37
2-Methylnaphthalene
Concen: 9.343 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:142 Resp: 46500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 72.2 | 108.4 |
| 115 | 36.8 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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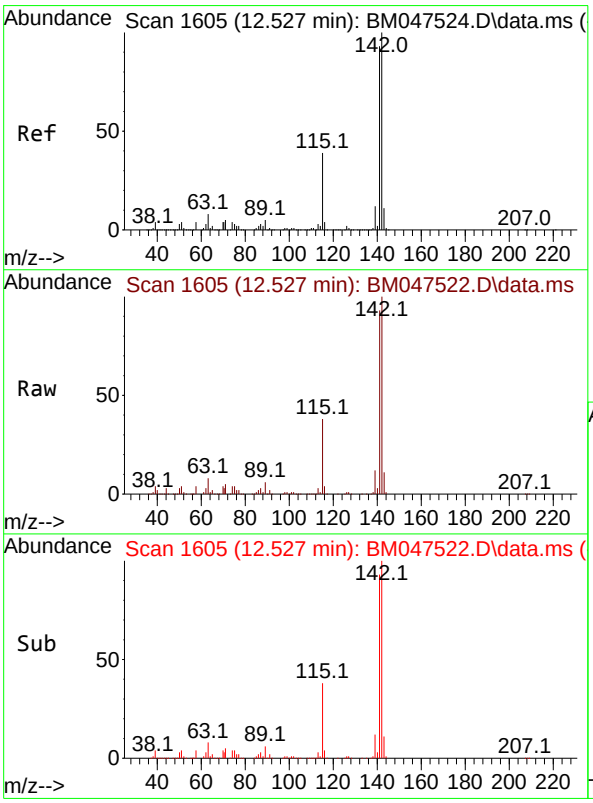
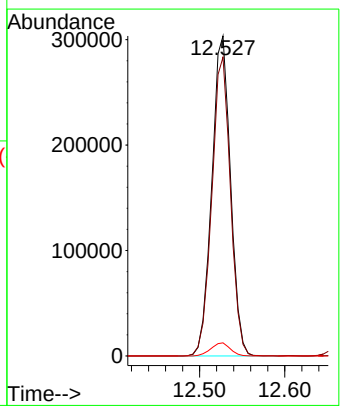
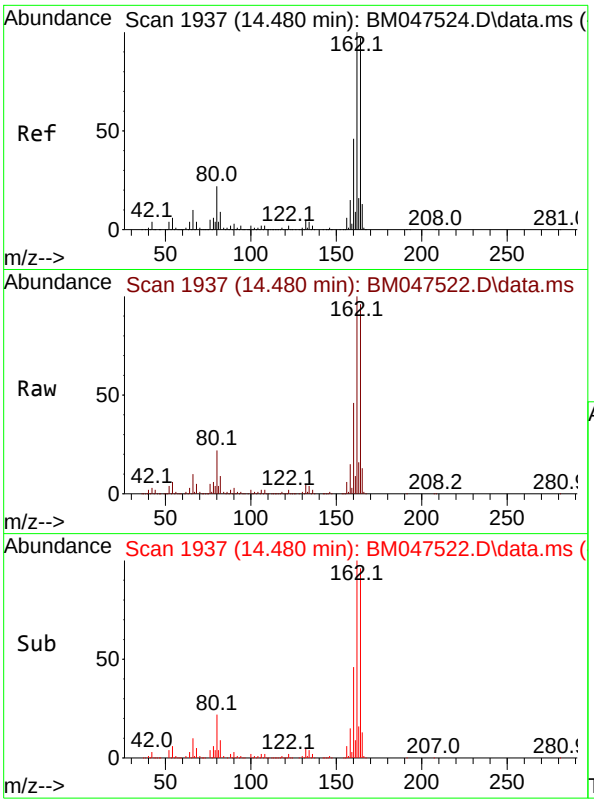



#38
1-Methylnaphthalene
Concen: 9.383 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:142 Resp: 464087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 74.7 | 112.1 |
| 116 | 4.1 | 3.2 | 4.8 |

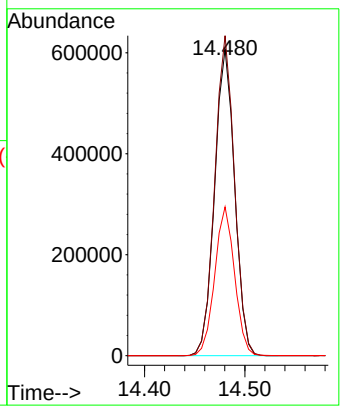





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:164 Resp: 84144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 82.2 | 123.2 |
| 160 | 48.5 | 38.2 | 57.2 |




**Instrument :**
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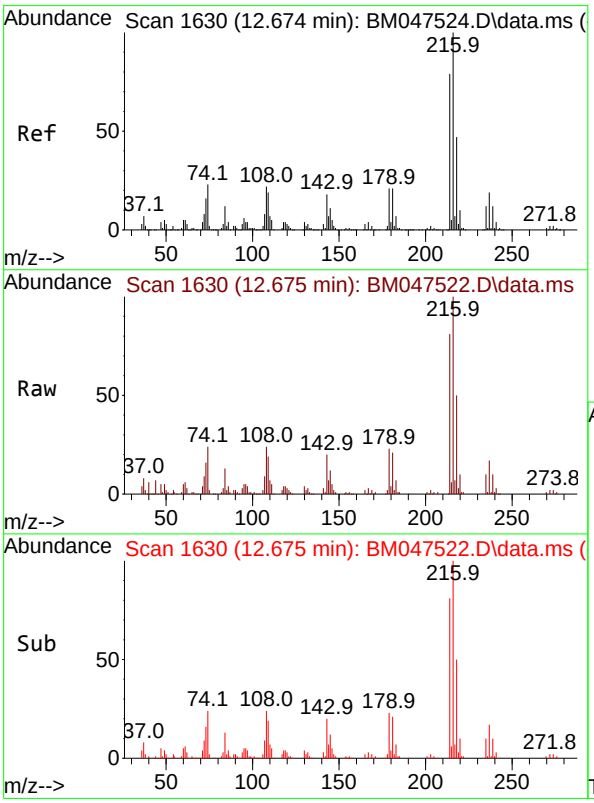
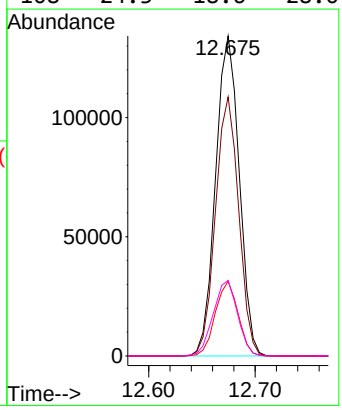
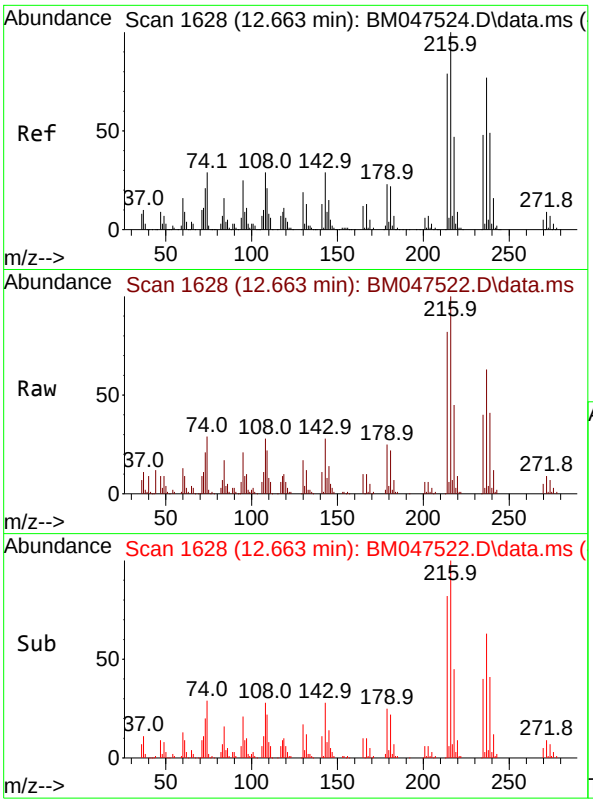



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.080 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:216 Resp: 206736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.0 | 94.6 |
| 179 | 22.5 | 17.5 | 26.3 |
| 108 | 24.3 | 18.6 | 28.0 |






#41
Hexachlorocyclopentadiene
Concen: 9.197 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:237 Resp: 6845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 42.0 | 82.0 |
| 272 | 14.4 | 0.0 | 31.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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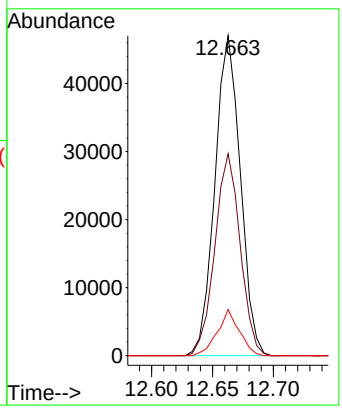
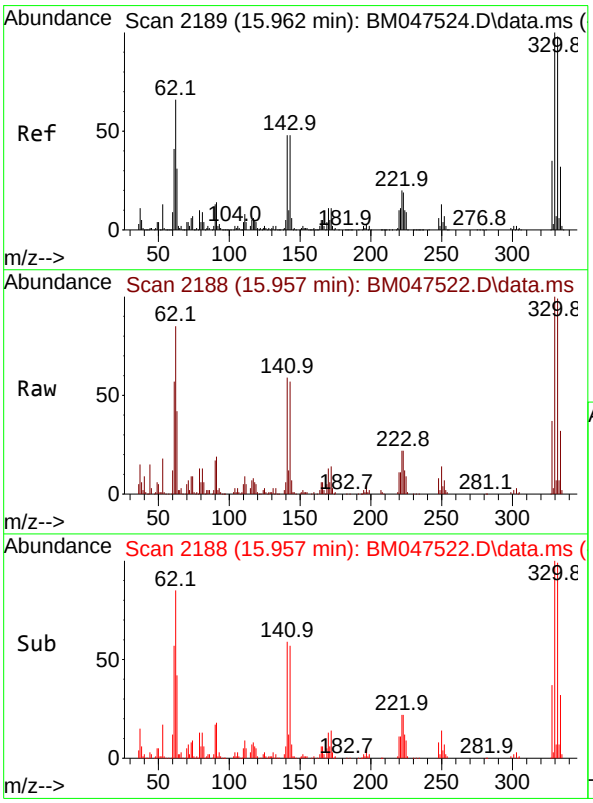
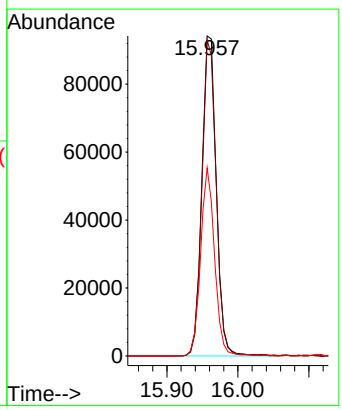


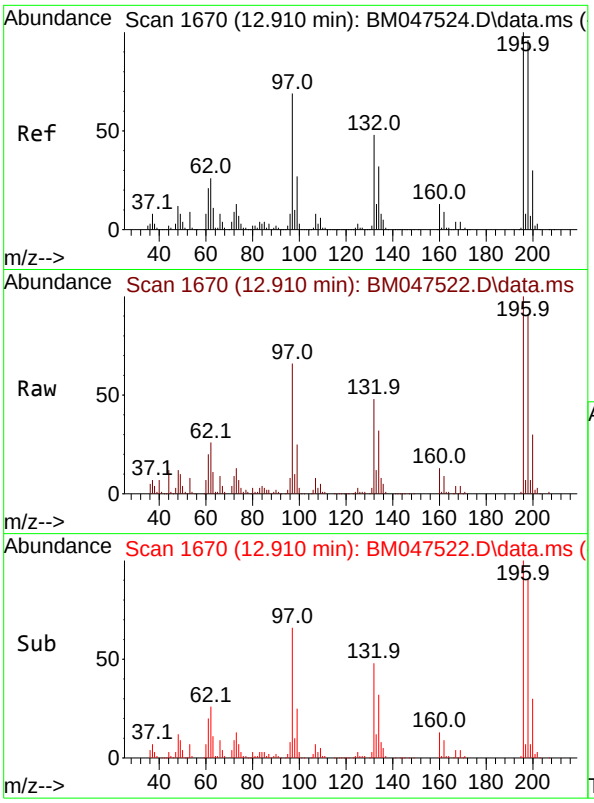




#42
2,4,6-Tribromophenol
Concen: 16.487 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:330 Resp: 134095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 76.9 | 115.3 |
| 141 | 56.6 | 42.2 | 63.2 |

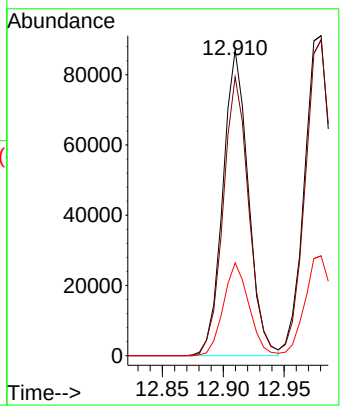





#43
2,4,6-Trichlorophenol
Concen: 8.866 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:196 Resp: 12647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.3 | 76.9 | 115.3 |
| 200 | 30.4 | 24.3 | 36.5 |




**Instrument :**
BNA_M
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SSTDICC010

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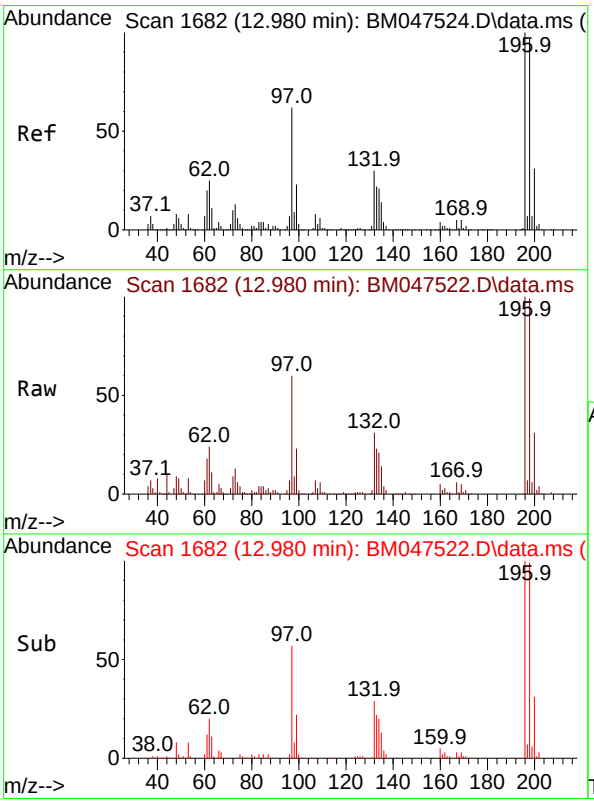
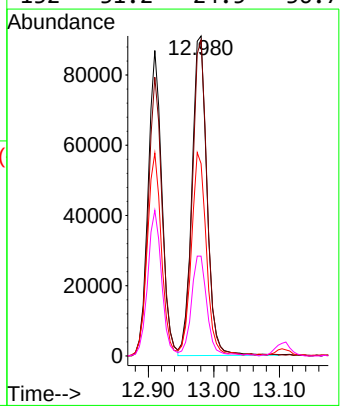
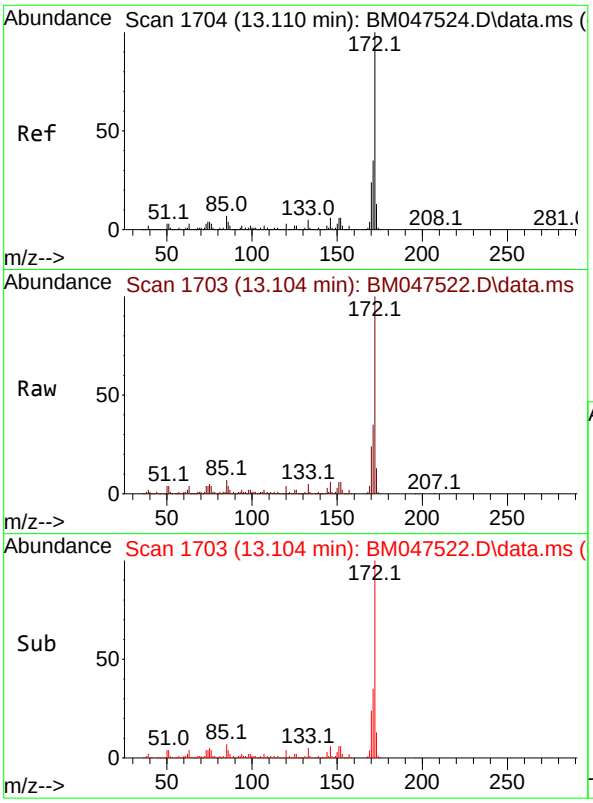



#44
2,4,5-Trichlorophenol
Concen: 9.004 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:196 Resp: 145073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.7 | 77.4 | 116.2 |
| 97 | 60.1 | 49.8 | 74.8 |
| 132 | 31.2 | 24.5 | 36.7 |

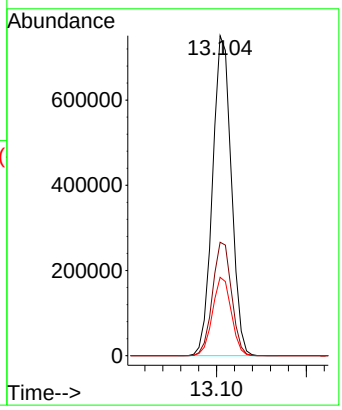





#45
2-Fluorobiphenyl
Concen: 17.835 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:172 Resp: 108941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.2 | 42.2 |
| 170 | 24.5 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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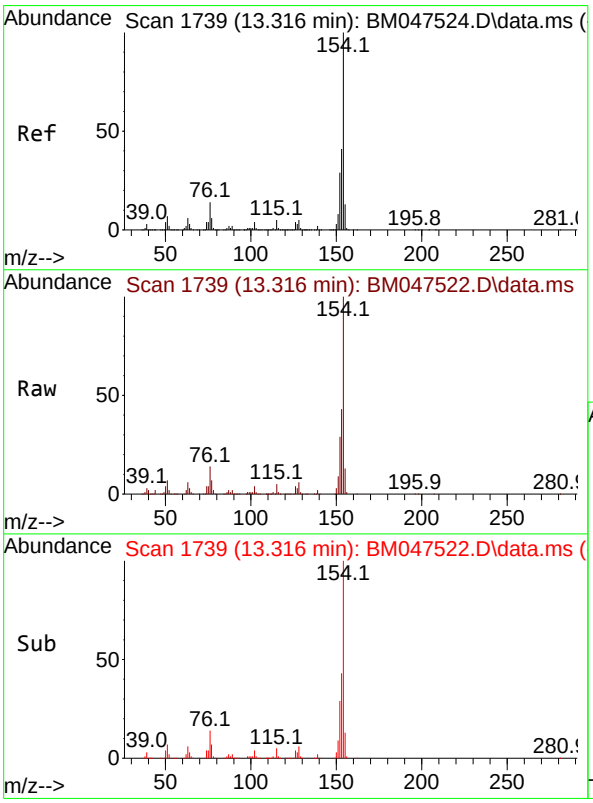
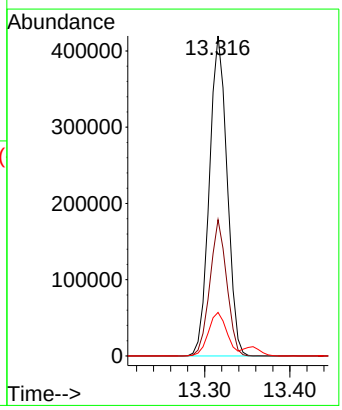
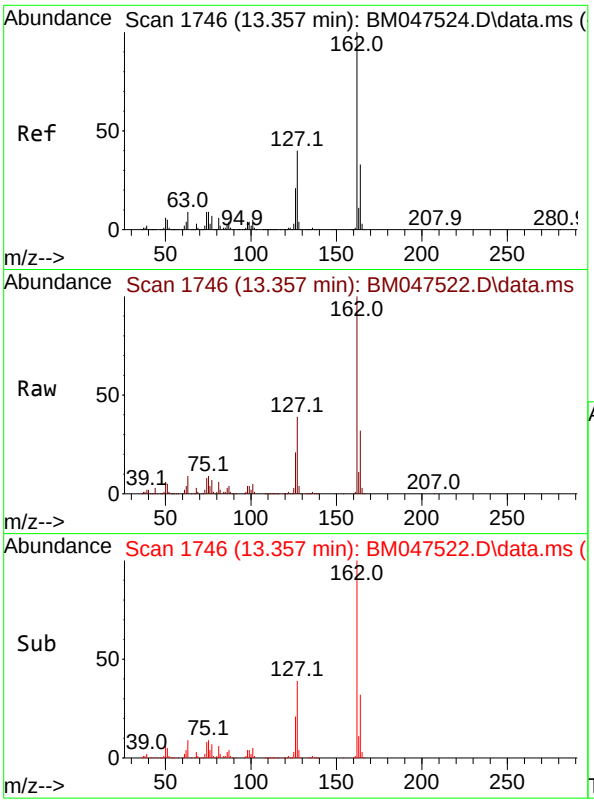



#46
1,1'-Biphenyl
Concen: 9.295 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:154 Resp: 608567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 42.6 | 20.6 | 60.6 |
| 76 | 13.6 | 0.0 | 33.9 |

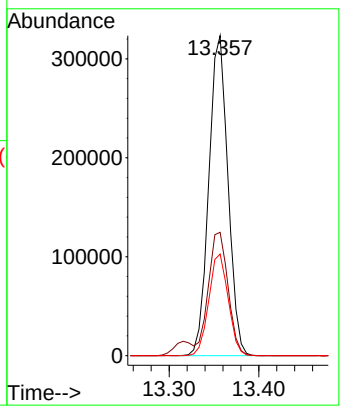





#47
2-Chloronaphthalene
Concen: 9.408 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:162 Resp: 47824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.6 | 32.2 | 48.4 |
| 164 | 31.7 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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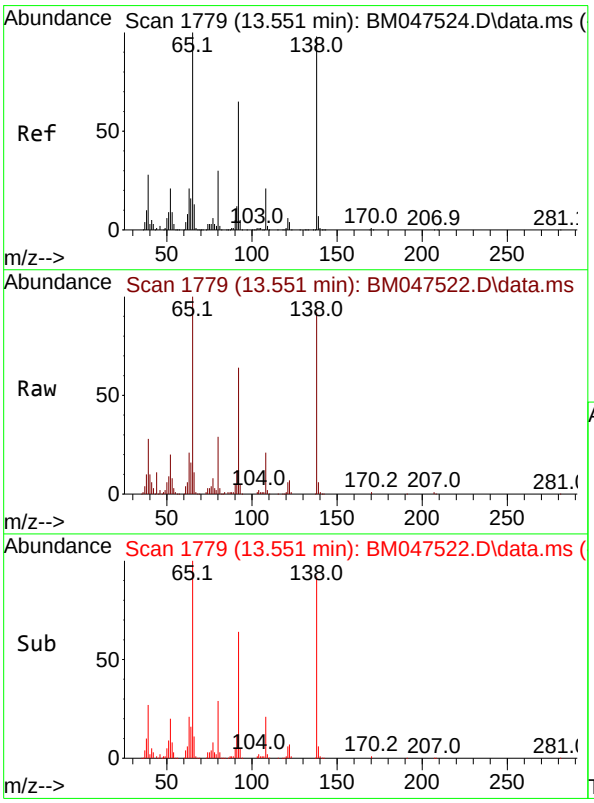
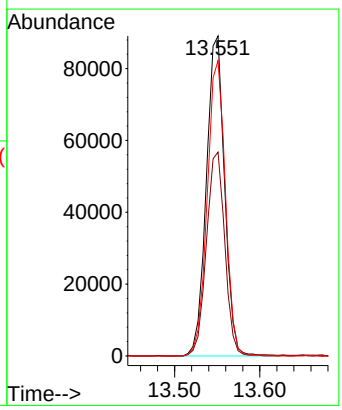
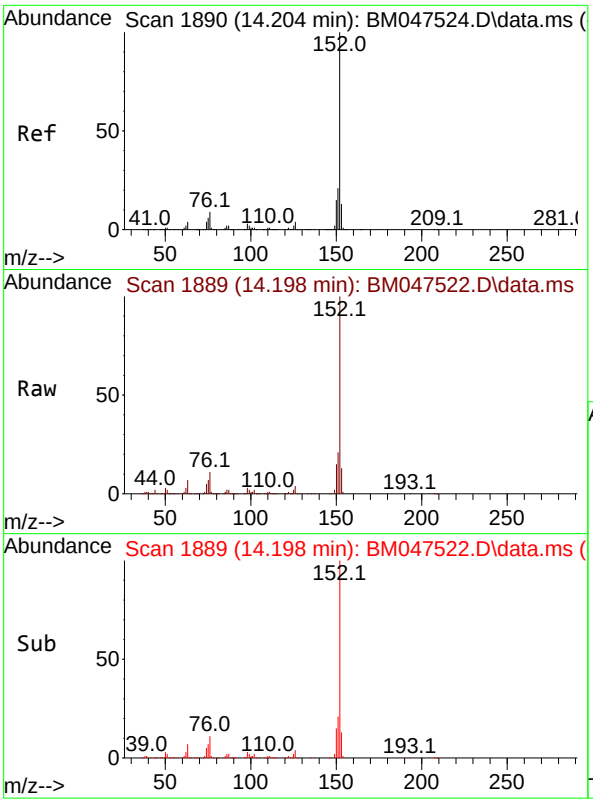



#48
2-Nitroaniline
Concen: 8.856 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 65 Resp: 132239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.7 | 51.9 | 77.9 |
| 138 | 92.3 | 78.5 | 117.7 |

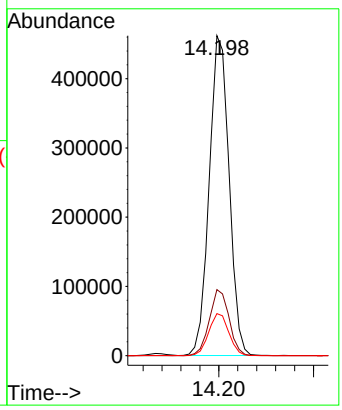





#49
Acenaphthylene
Concen: 9.163 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:152 Resp: 67216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.5 | 24.7 |
| 153 | 13.1 | 10.4 | 15.6 |




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

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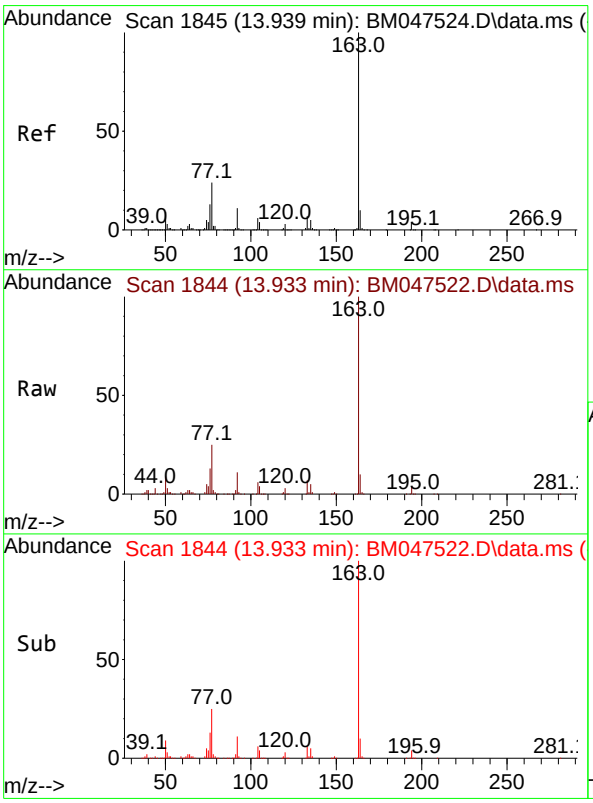
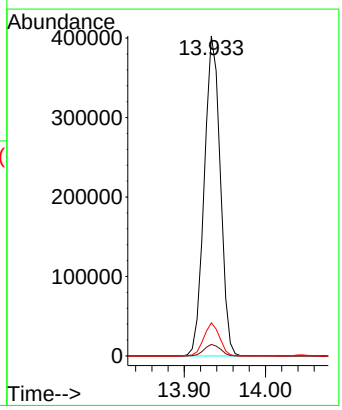
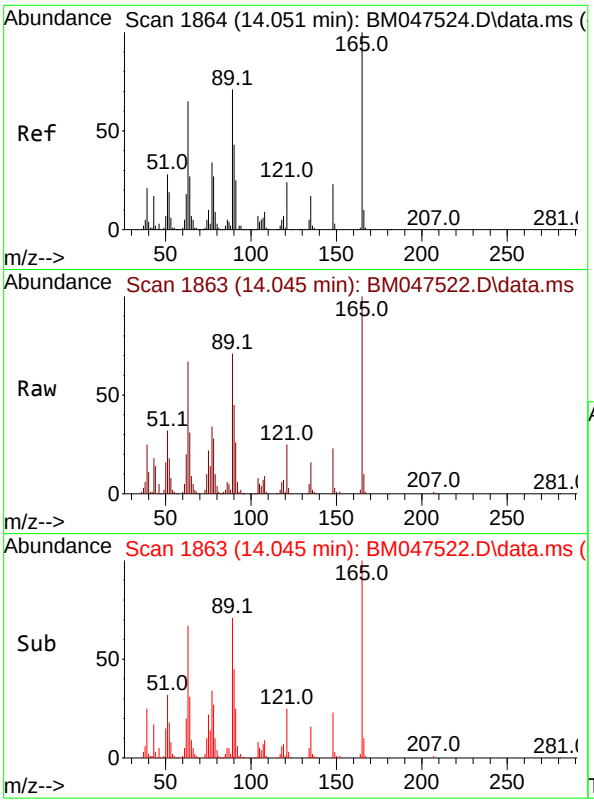



#50
Dimethylphthalate
Concen: 9.597 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:163 Resp: 550414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.9 | 4.3 |
| 164 | 10.3 | 7.9 | 11.9 |

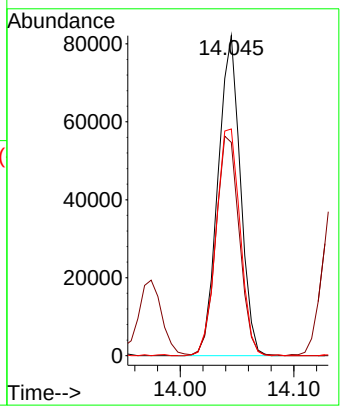





#51
2,6-Dinitrotoluene
Concen: 9.262 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:165 Resp: 11213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 66.7 | 54.2 | 81.2 |
| 89 | 70.8 | 56.4 | 84.6 |




**Instrument :**
BNA_M
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SSTDICC010

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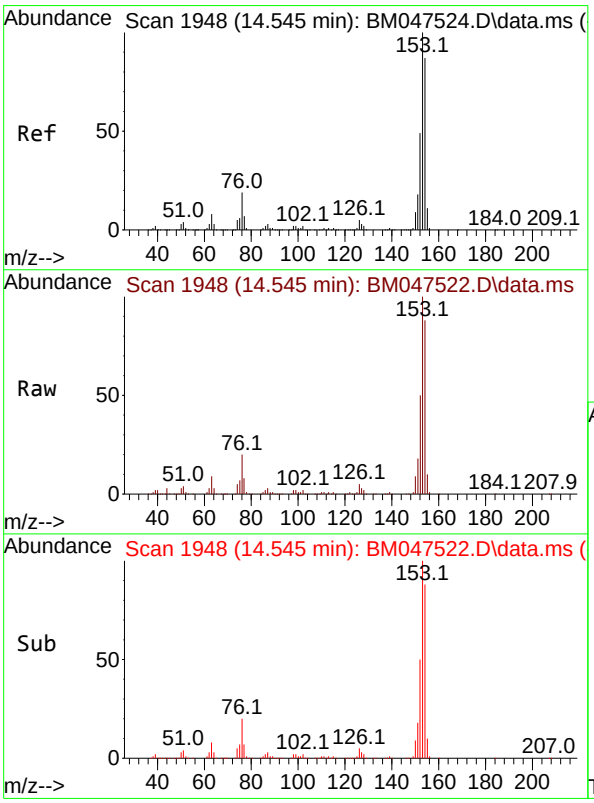
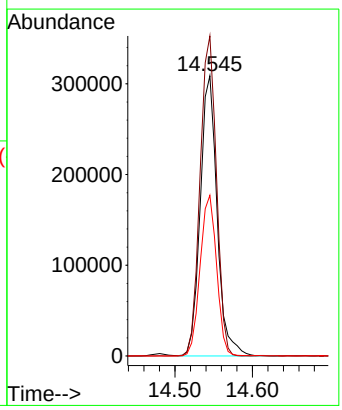
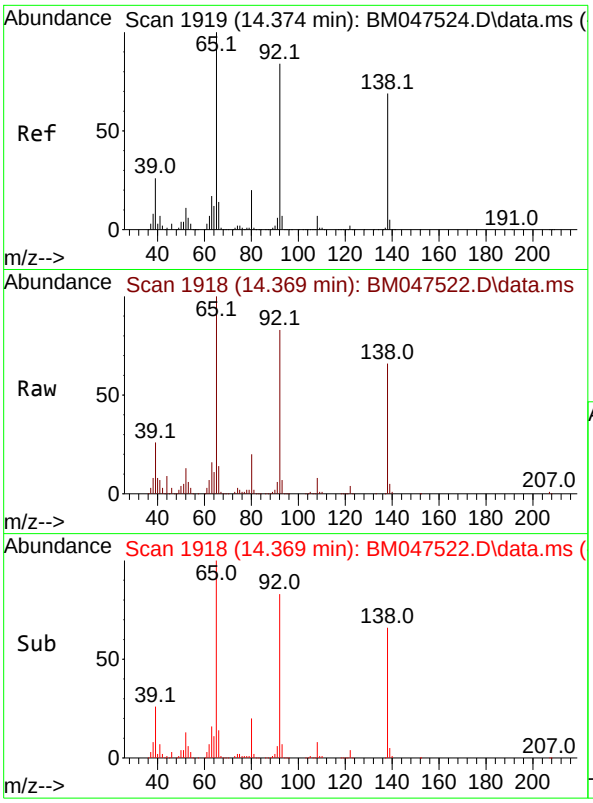



#52
Acenaphthene
Concen: 9.096 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:154 Resp: 467519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.2 | 92.2 | 138.2 |
| 152 | 57.4 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 8.888 ng
RT: 14.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:138 Resp: 11961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 8.0 | 12.0 |
| 92 | 124.7 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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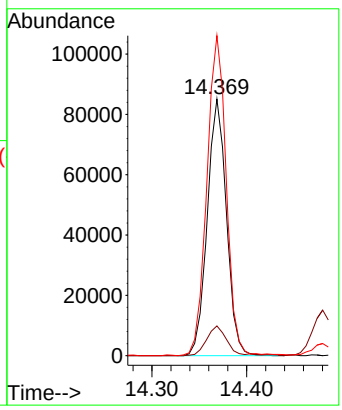
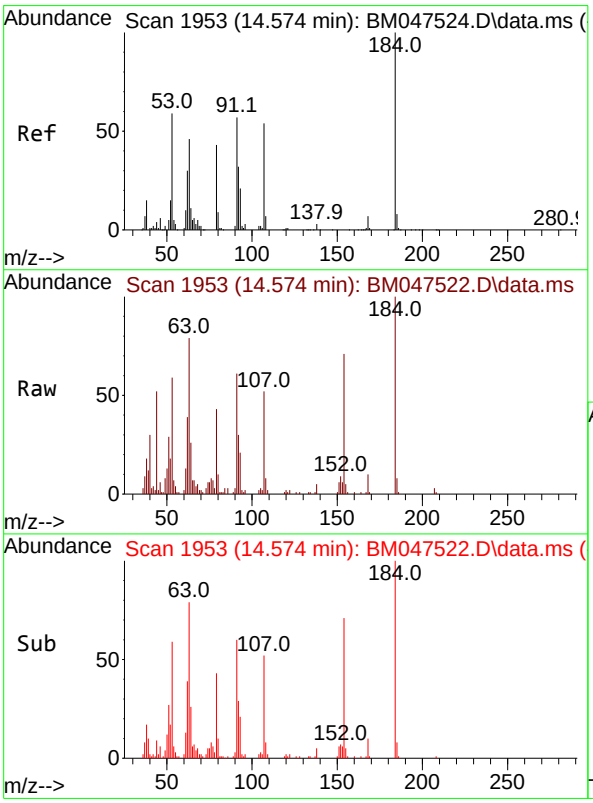
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

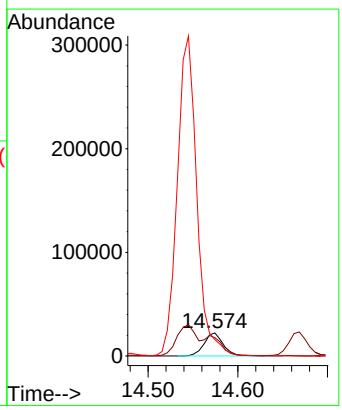


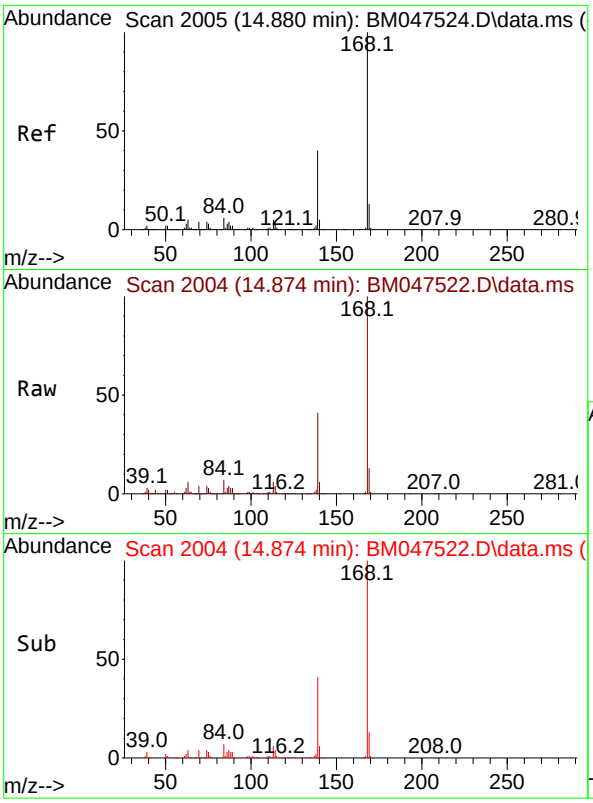




#54
2,4-Dinitrophenol
Concen: 9.768 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:184 Resp: 33163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 79.2 | 69.4 | 104.0 |
| 154 | 70.7 | 60.4 | 90.6 |

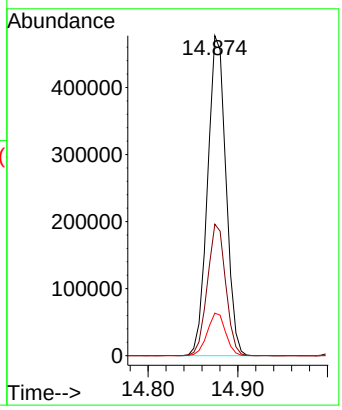





#55
Dibenzofuran
Concen: 9.374 ng
RT: 14.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:168 Resp: 67708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.1 | 31.9 | 47.9 |
| 169 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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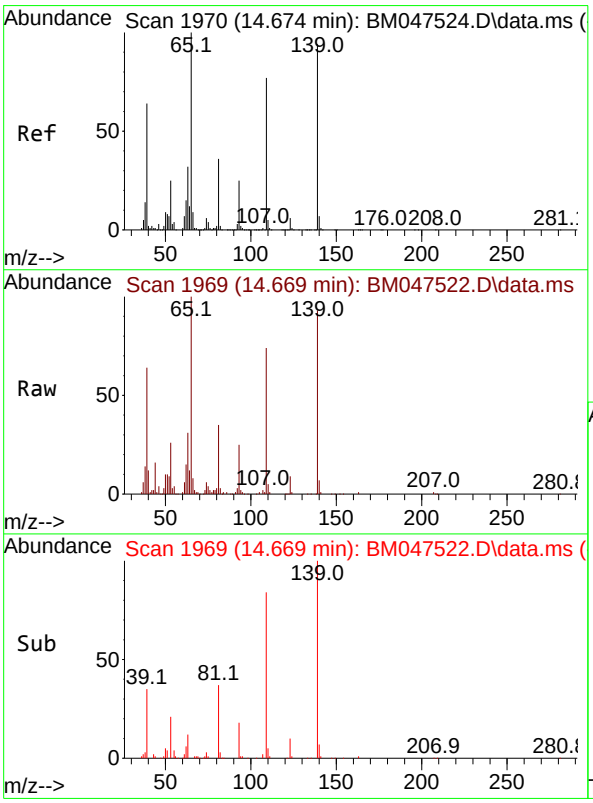
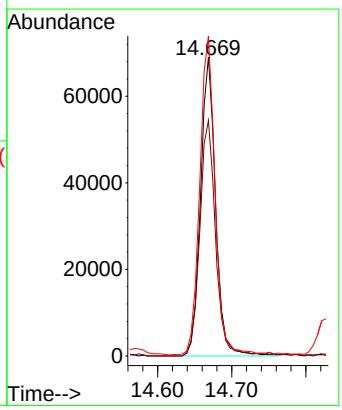
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

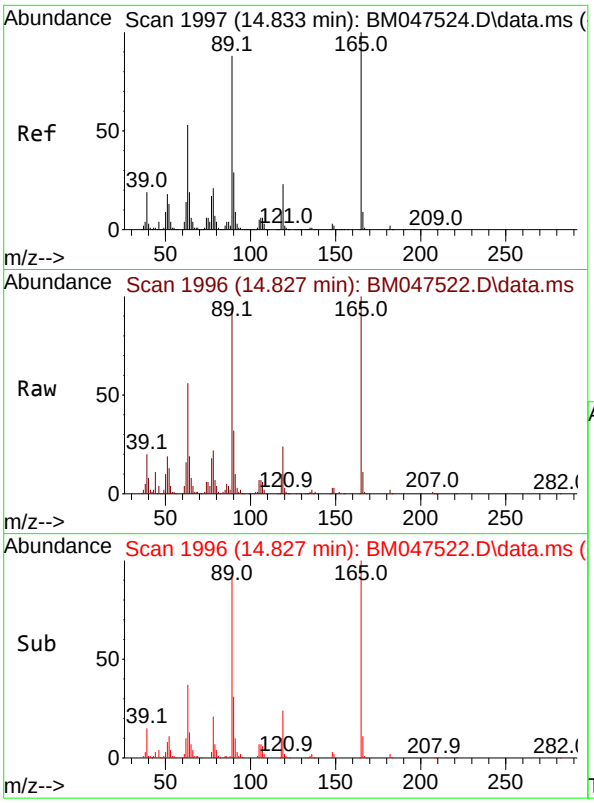



#56
4-Nitrophenol
Concen: 8.794 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:139 Resp: 97384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.8 | 62.0 | 102.0 |
| 65 | 107.1 | 87.0 | 127.0 |

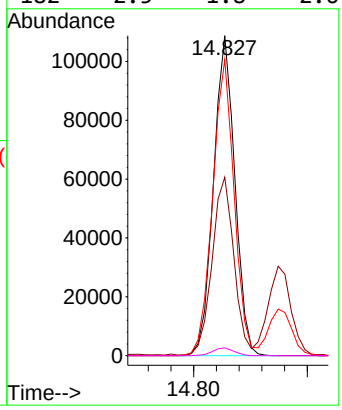





#57
2,4-Dinitrotoluene
Concen: 8.797 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:165 Resp: 14204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.8 | 42.4 | 63.6 |
| 89 | 92.6 | 70.5 | 105.7 |
| 182 | 2.5 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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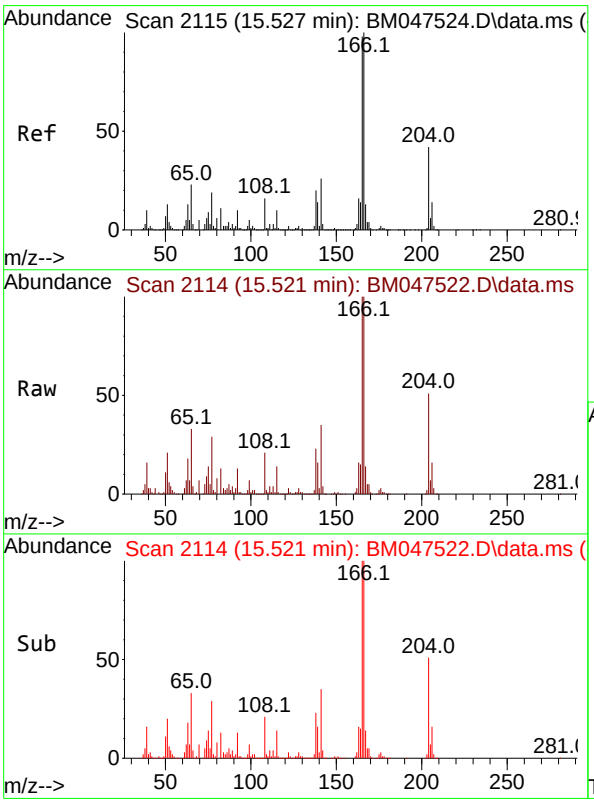
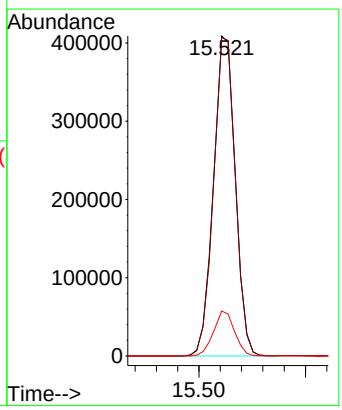
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

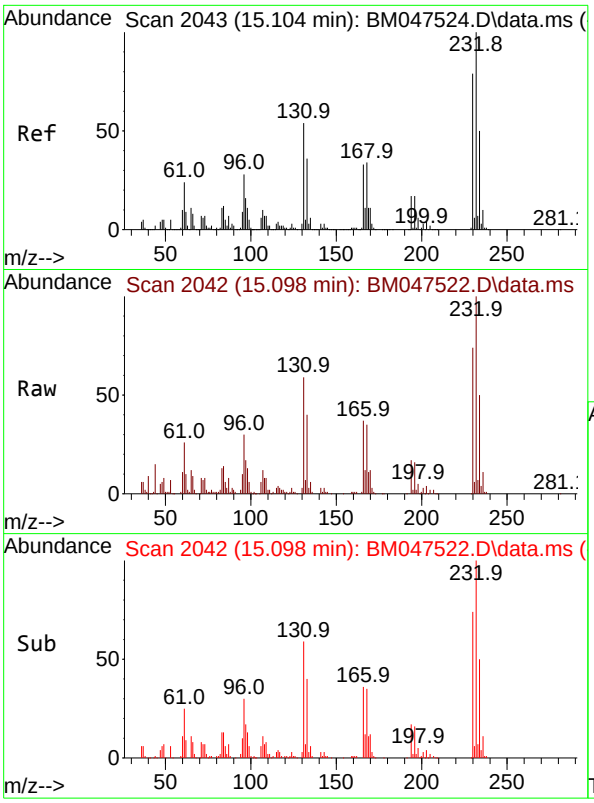



#58
Fluorene
Concen: 8.914 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:166 Resp: 579655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.5 | 78.6 | 117.8 |
| 167 | 14.1 | 10.7 | 16.1 |

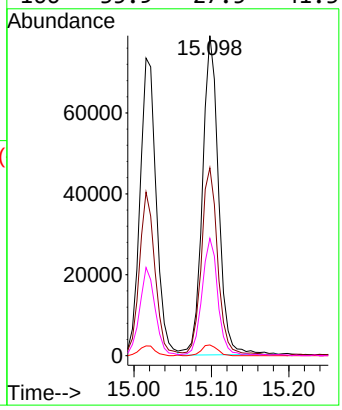





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.069 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:232 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 60.7 | 47.0 | 70.4 |
| 130 | 3.3 | 2.6 | 3.8 |
| 166 | 35.9 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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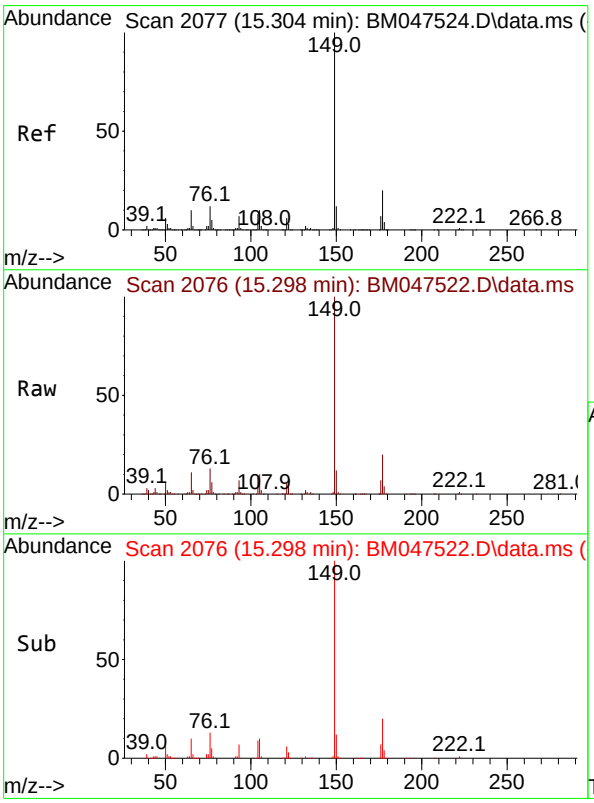
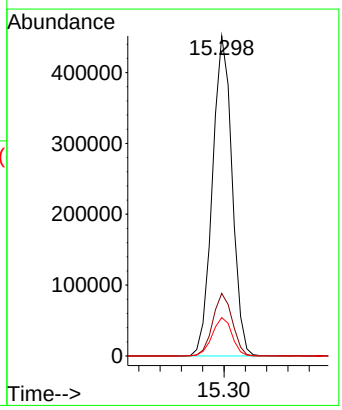
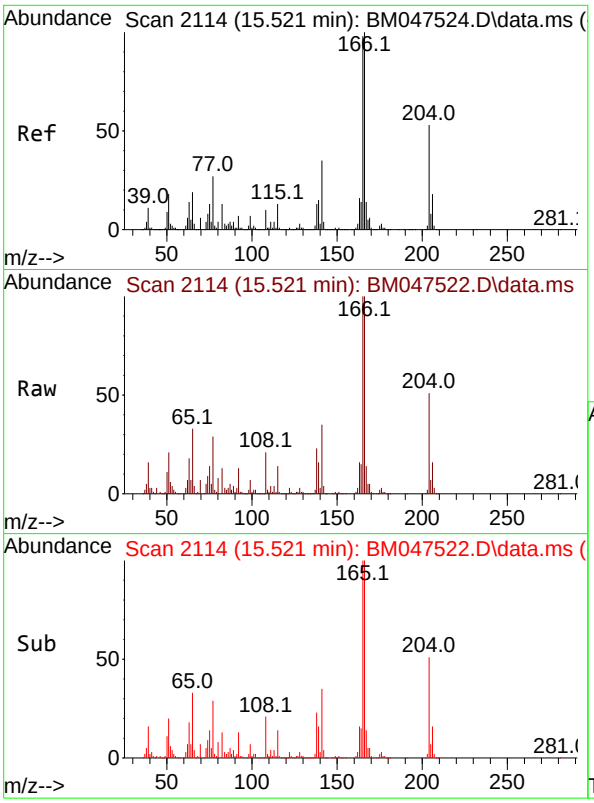



#60
Diethylphthalate
Concen: 9.472 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 578136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.5 | 15.8 | 23.8 |
| 150 | 12.0 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 8.849 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:204 Resp: 26312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.7 | 26.5 | 39.7 |
| 141 | 67.8 | 52.1 | 78.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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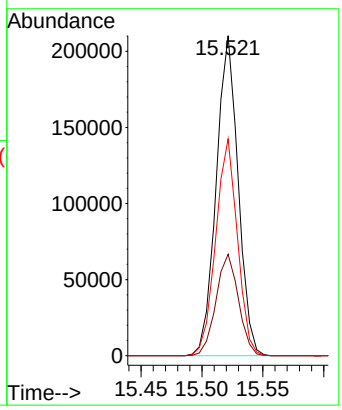
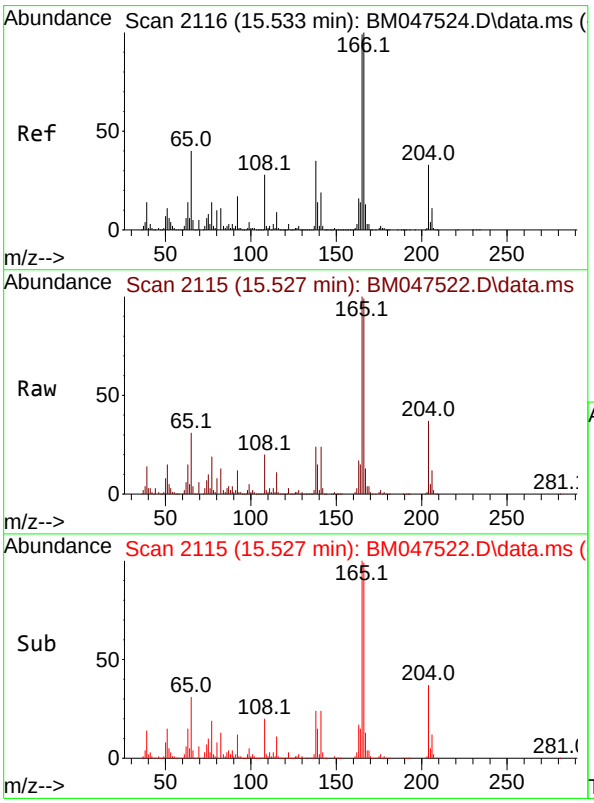
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

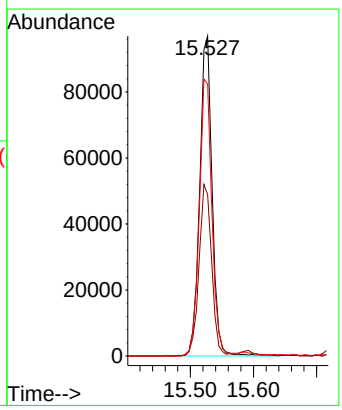


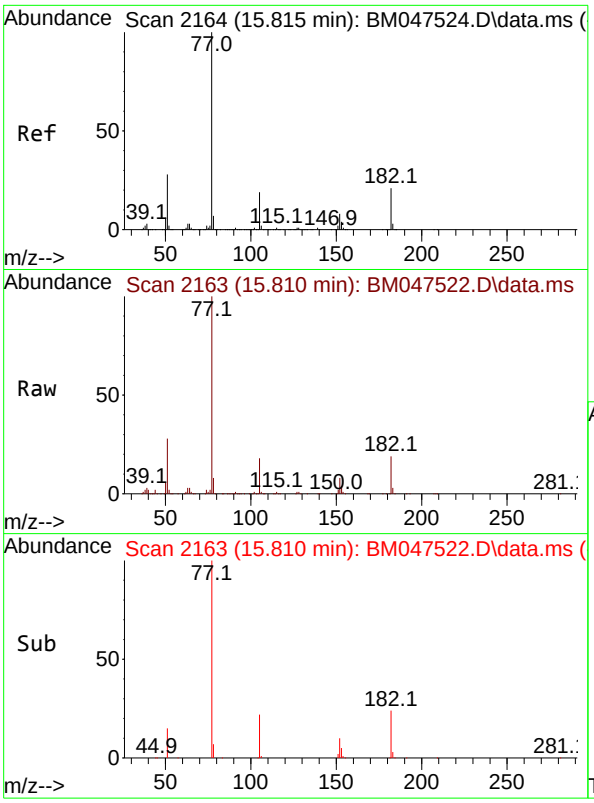




#62
4-Nitroaniline
Concen: 8.380 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:138 Resp: 132564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 30.0 | 70.0 |
| 108 | 85.0 | 61.7 | 101.7 |

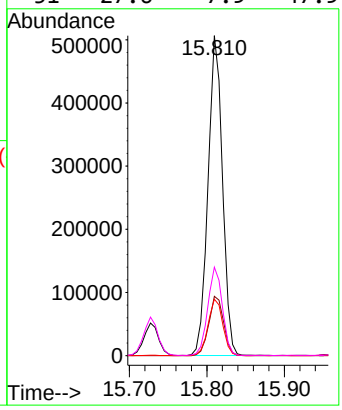





#63
Azobenzene
Concen: 9.759 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion: 77 Resp: 65589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 18.5 | 1.2 | 41.2 |
| 105 | 17.6 | 0.0 | 39.4 |
| 51 | 27.6 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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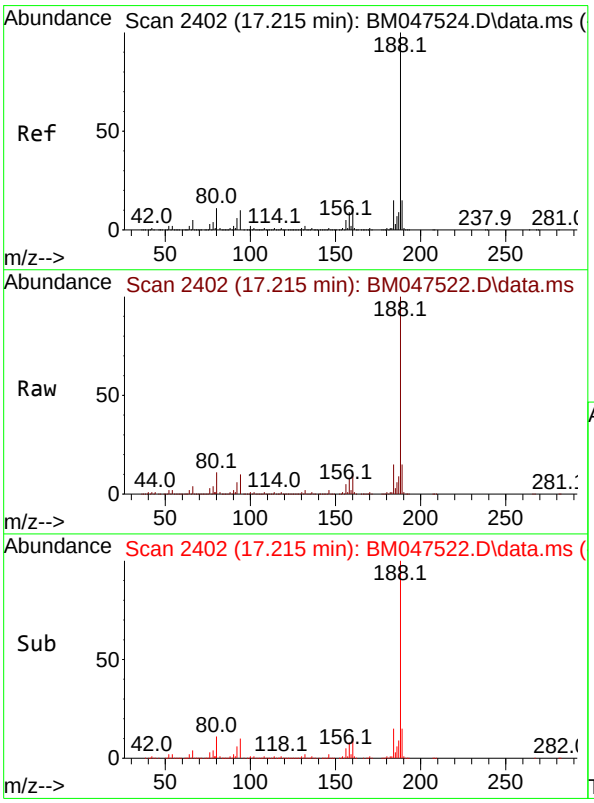
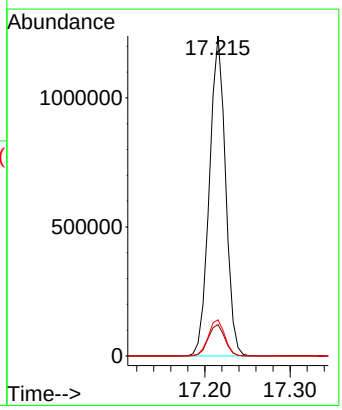
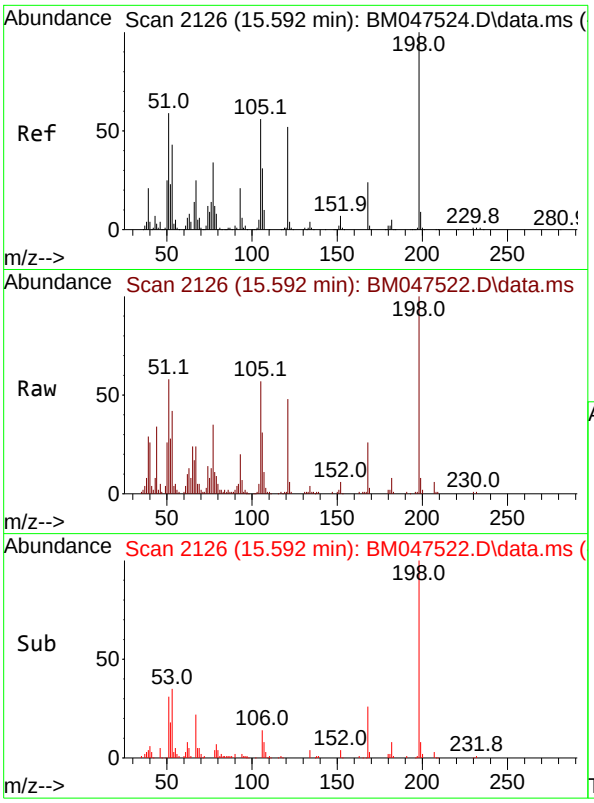



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:188 Resp: 1630578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.4 | 12.6 |
| 80 | 11.3 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 12.260 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:198 Resp: 4968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 57.7 | 41.5 | 81.5 |
| 105 | 57.2 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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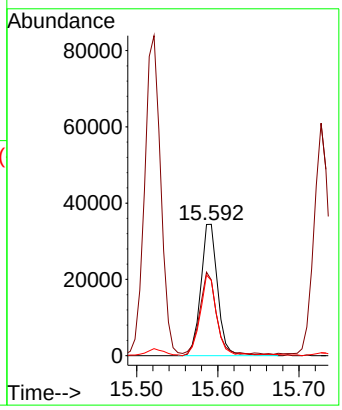
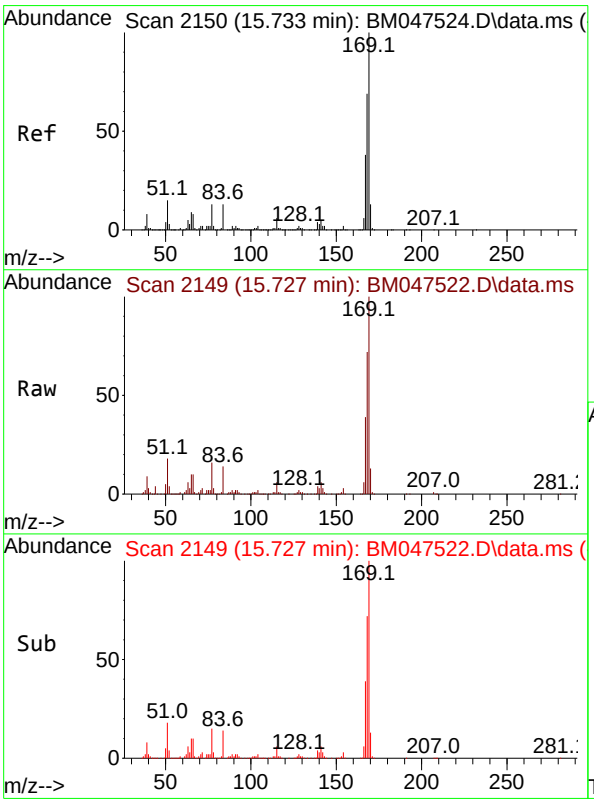
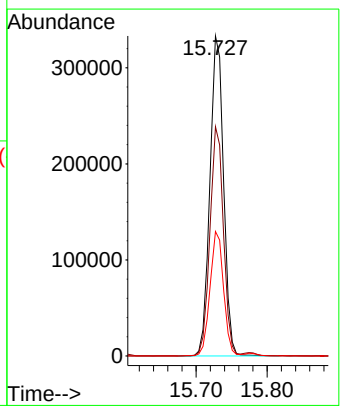


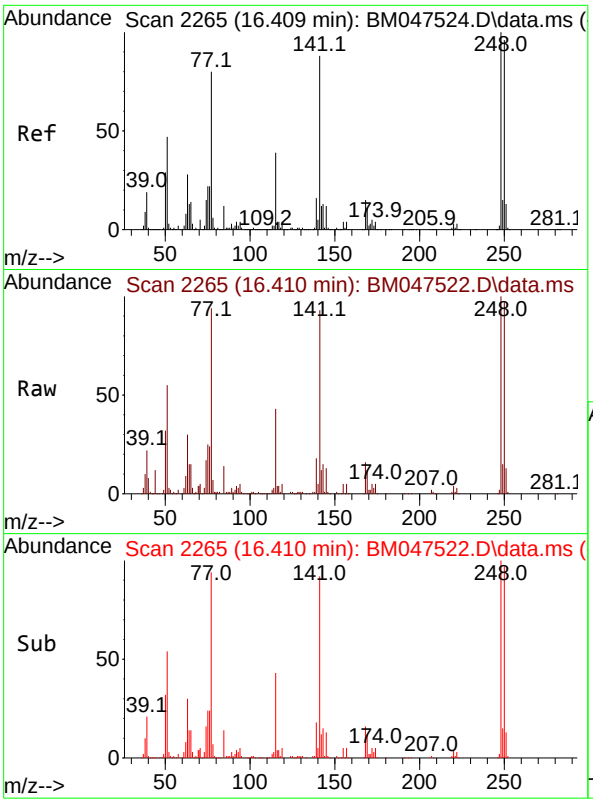




#66
n-Nitrosodiphenylamine
Concen: 8.925 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:169 Resp: 445180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 71.6 | 55.3 | 82.9 |
| 167 | 38.9 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 8.738 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:248 Resp: 13844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 76.9 | 115.3 |
| 141 | 92.6 | 70.8 | 106.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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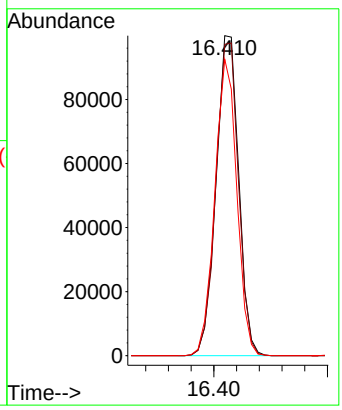
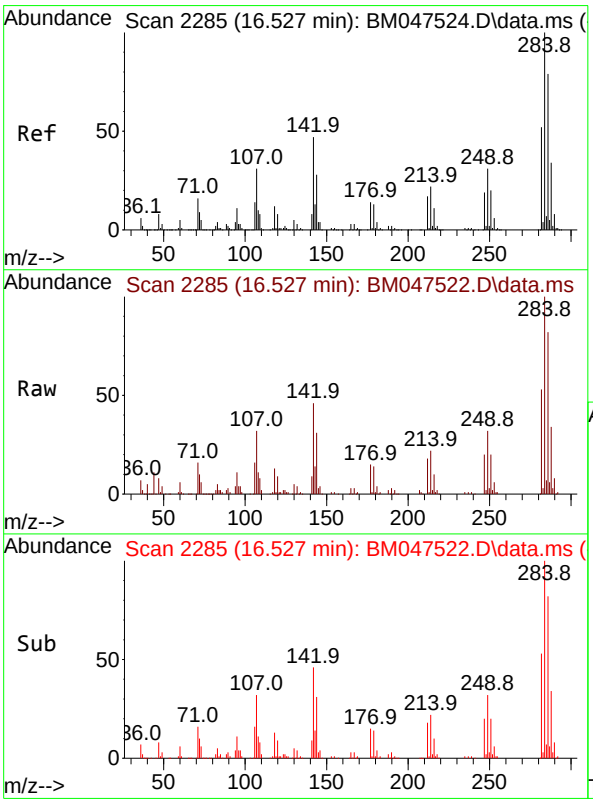
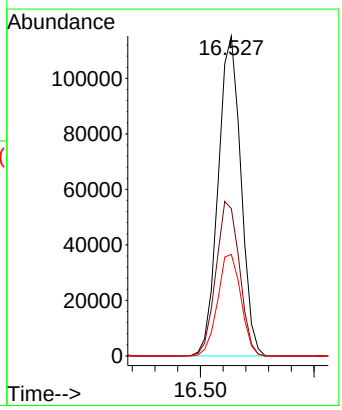


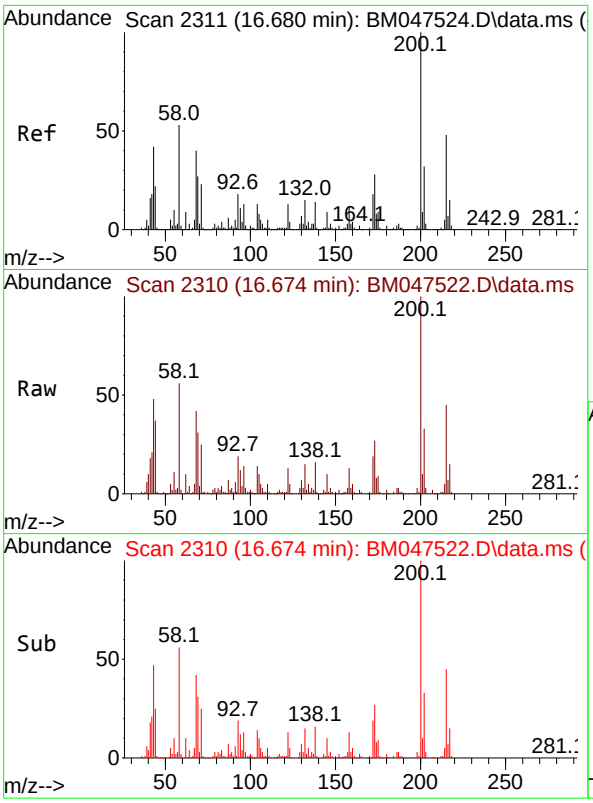




#68
Hexachlorobenzene
Concen: 8.922 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:284 Resp: 160144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 46.1 | 37.3 | 55.9 |
| 249 | 31.7 | 24.5 | 36.7 |

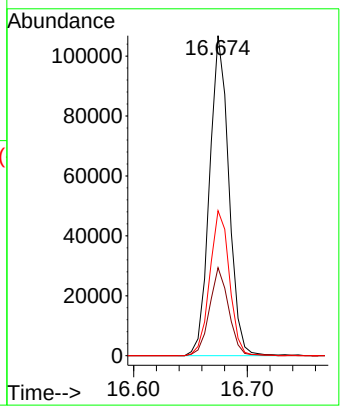





#69
Atrazine
Concen: 9.145 ng
RT: 16.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:200 Resp: 12608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.5 | 7.7 | 47.7 |
| 215 | 45.3 | 27.9 | 67.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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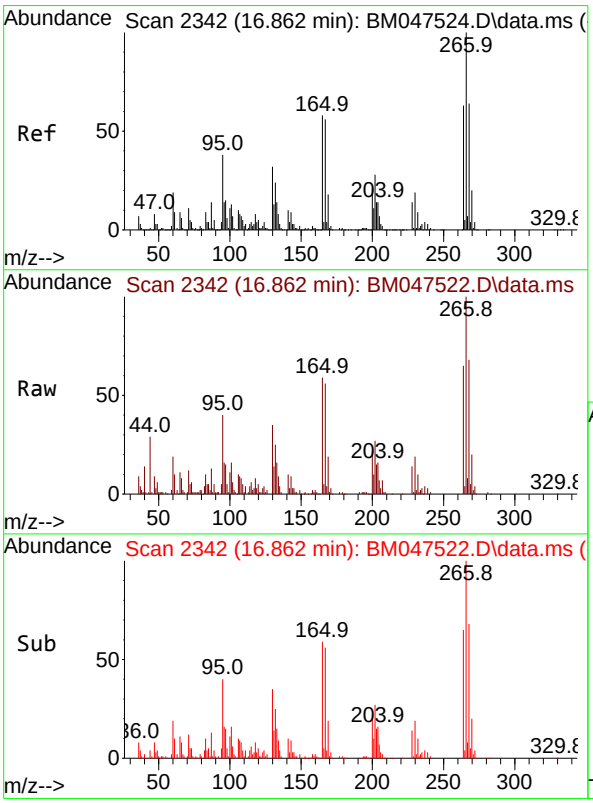
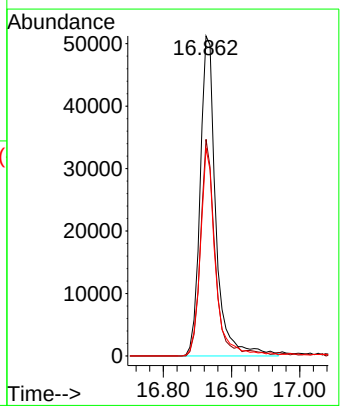
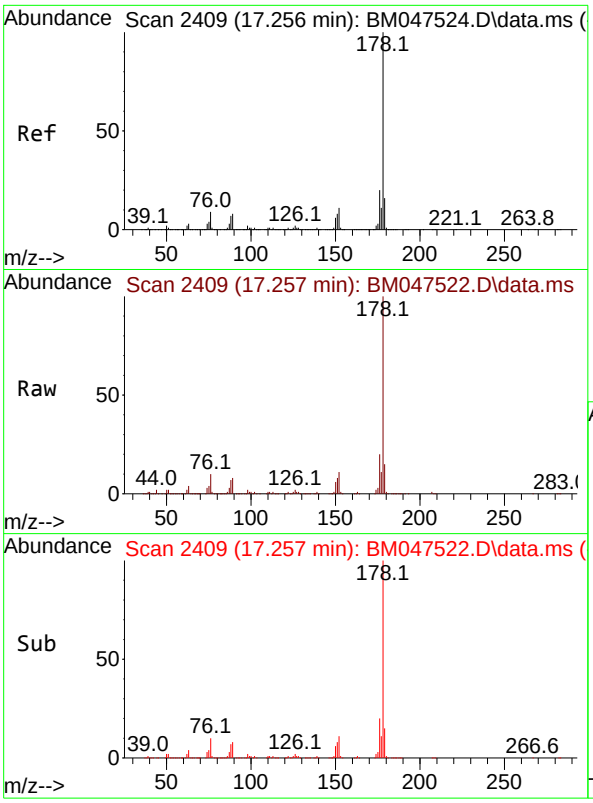



#70
Pentachlorophenol
Concen: 7.890 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:266 Resp: 82092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.7 | 51.0 | 76.4 |
| 264 | 64.9 | 50.4 | 75.6 |

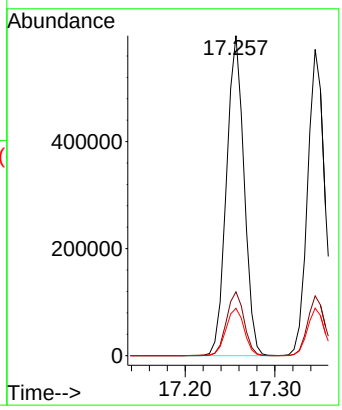





#71
Phenanthrene
Concen: 9.064 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:178 Resp: 81448(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 16.0 | 24.0 |
| 179 | 14.8 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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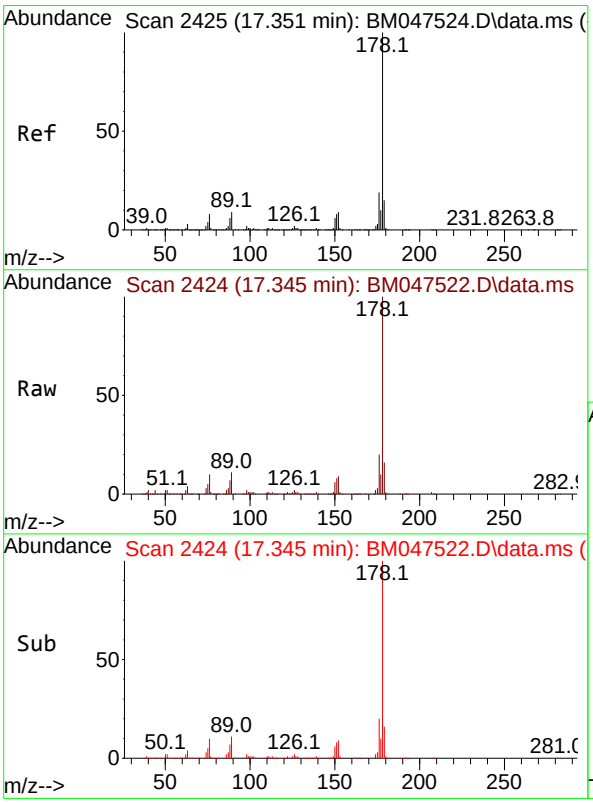
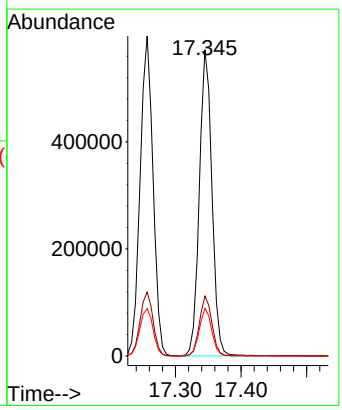
Supervised By :mohammad ahmed 09/17/2024

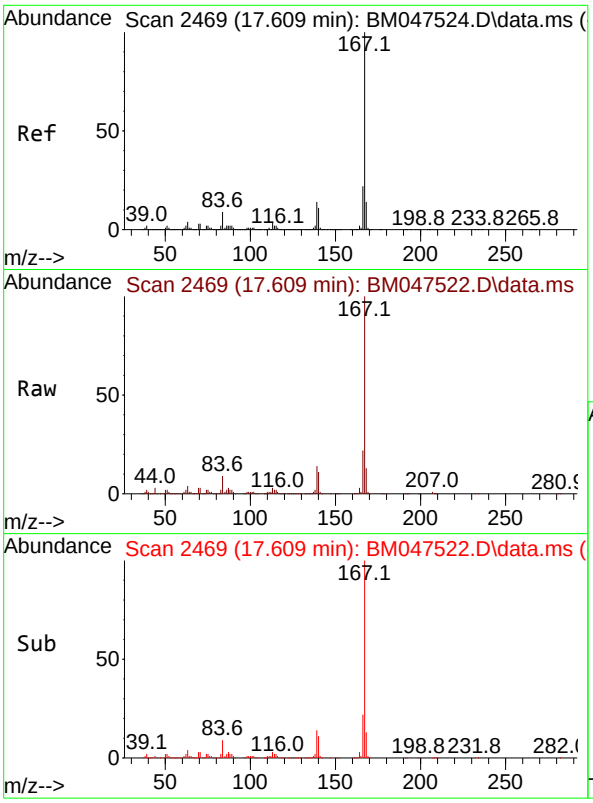



#72
Anthracene
Concen: 8.864 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:178 Resp: 765298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.0 |
| 179 | 15.5 | 12.3 | 18.5 |






#73
Carbazole
Concen: 9.011 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

Tgt Ion:167 Resp: 77098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.8 | 26.8 |
| 139 | 14.3 | 11.0 | 16.6 |

**Manual Integrations**
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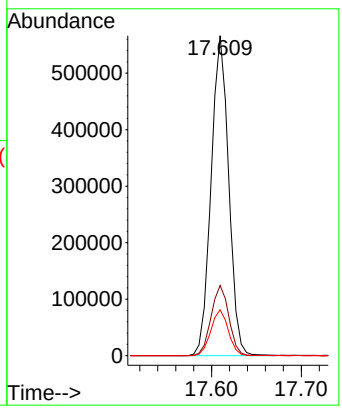
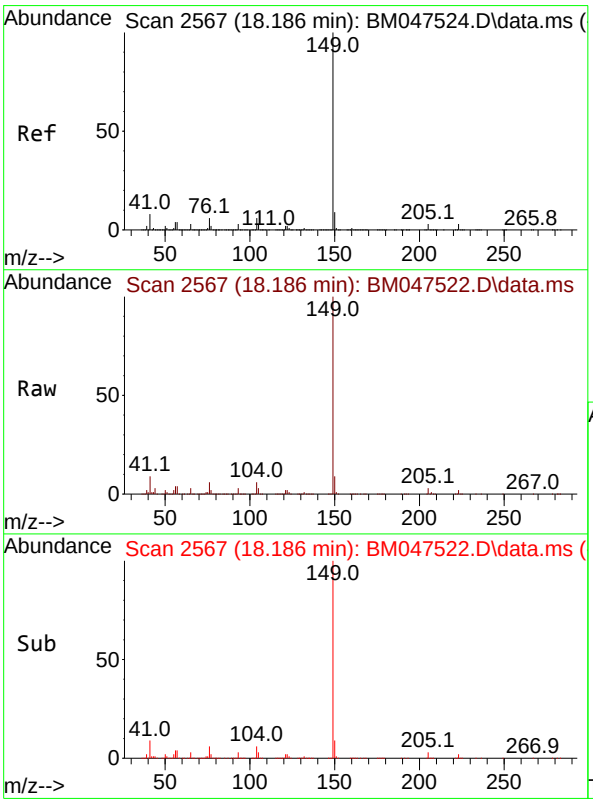
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

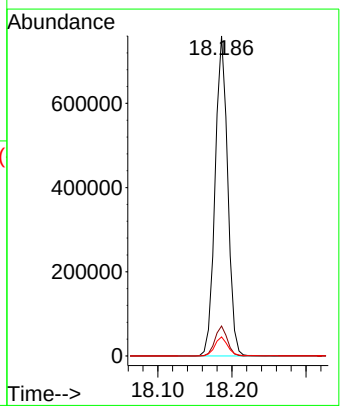


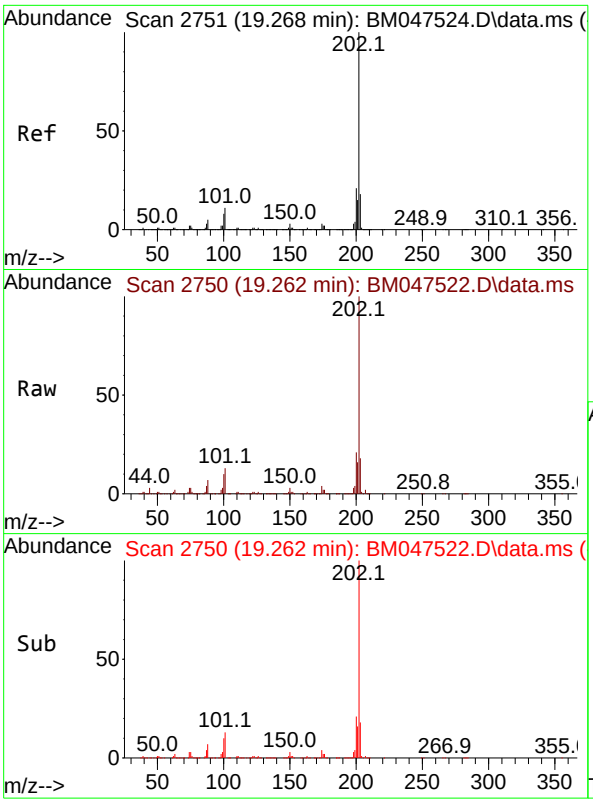




#74
Di-n-butylphthalate
Concen: 8.736 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 894326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 6.0 | 4.6 | 6.8 |

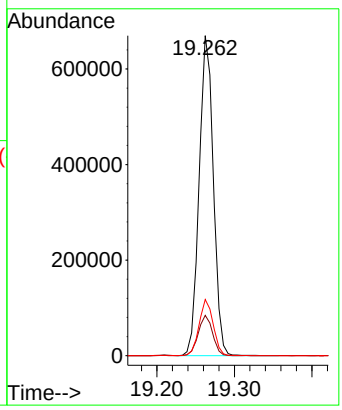





#75
Fluoranthene
Concen: 8.684 ng
RT: 19.262 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:202 Resp: 85141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 0.0 | 30.8 |
| 203 | 17.6 | 0.0 | 37.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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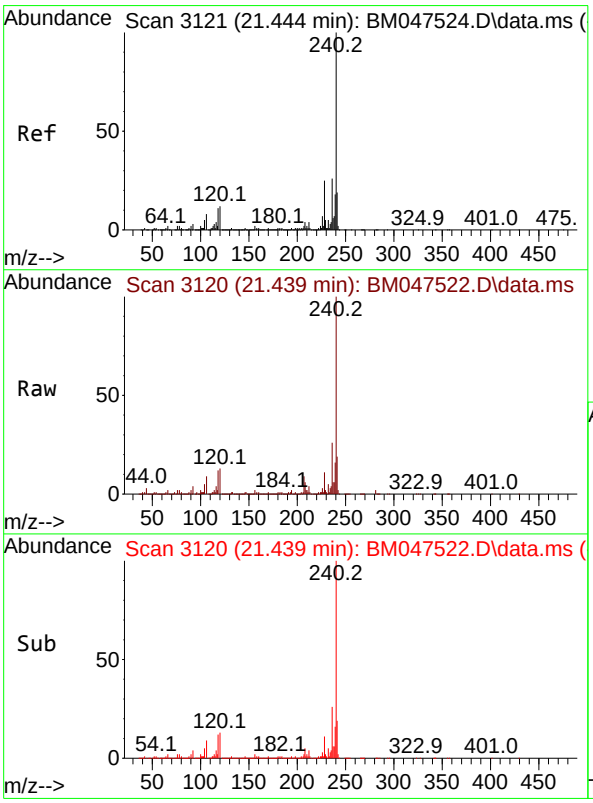
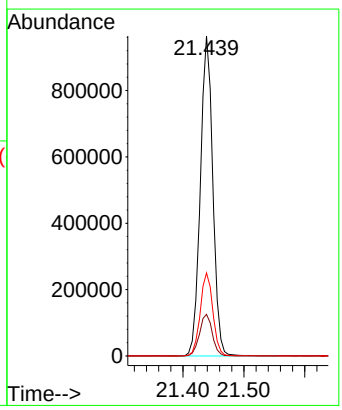
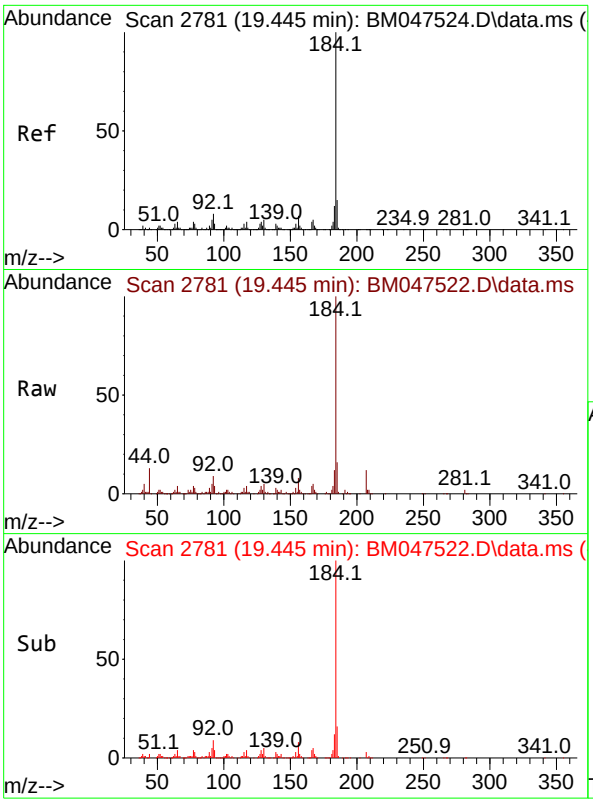



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:240 Resp: 1372489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.6 | 14.4 |
| 236 | 26.0 | 20.9 | 31.3 |

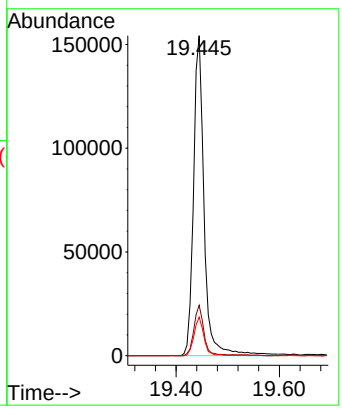





#77
Benzidine
Concen: 11.370 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:184 Resp: 21978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 12.2 | 18.2 |
| 183 | 12.1 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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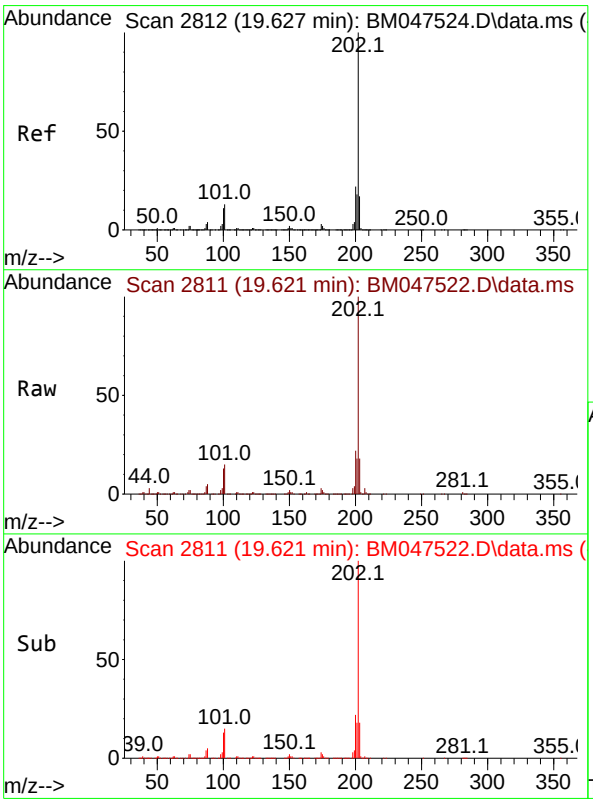
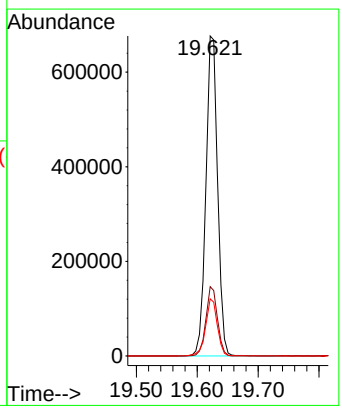
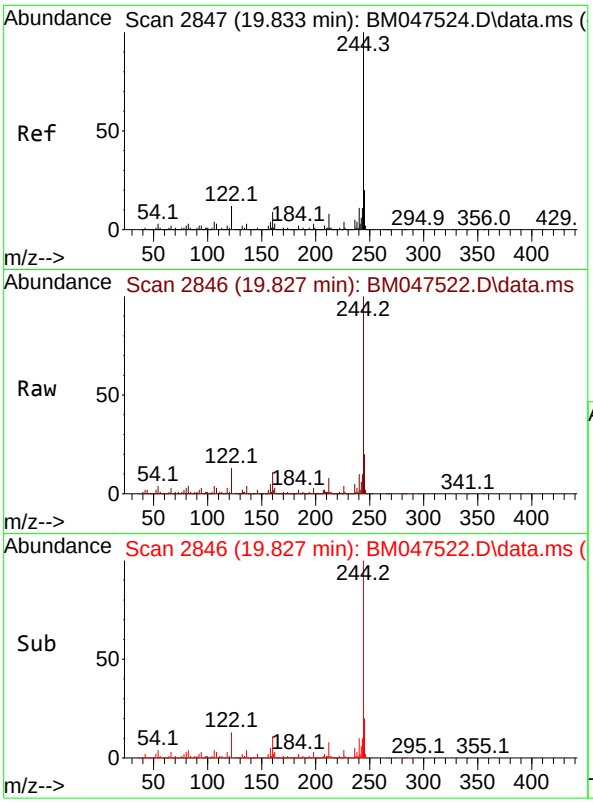



#78
Pyrene
Concen: 9.028 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:202 Resp: 903792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.2 | 25.8 |
| 203 | 17.8 | 14.0 | 21.0 |

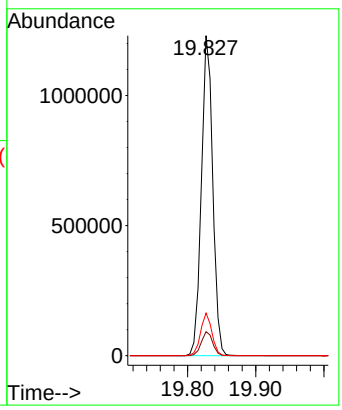





#79
Terphenyl-d14
Concen: 18.586 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:244 Resp: 142357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.2 | 9.2 |
| 122 | 13.3 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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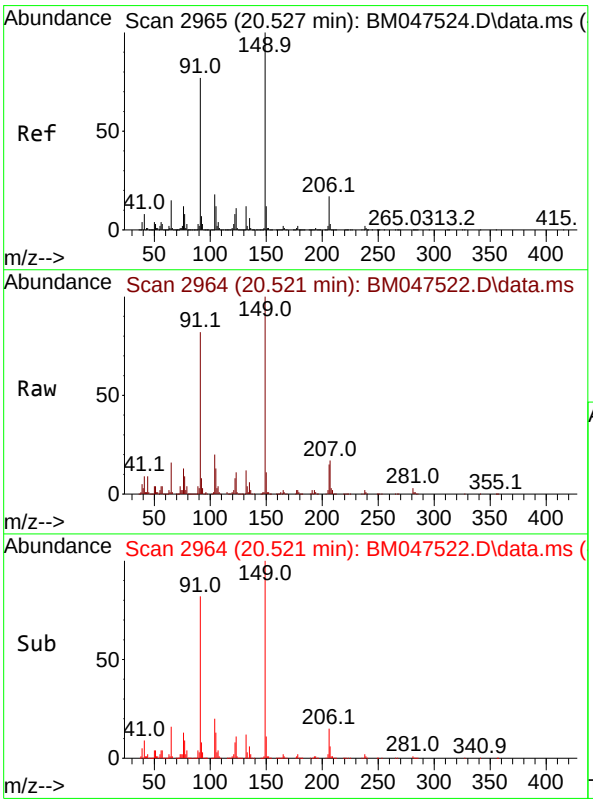
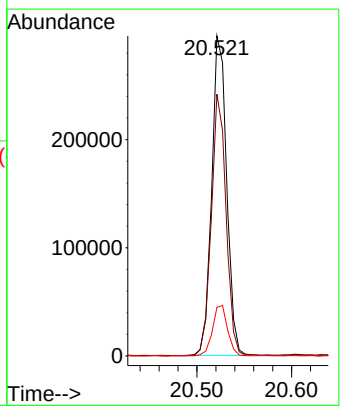
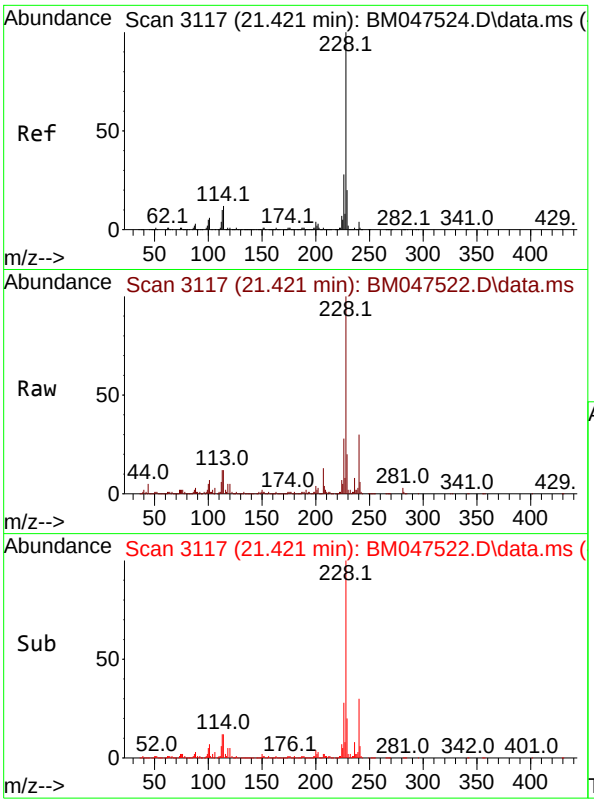



#80
Butylbenzylphthalate
Concen: 8.440 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 325275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 81.8 | 62.0 | 93.0 |
| 206 | 15.2 | 13.8 | 20.8 |

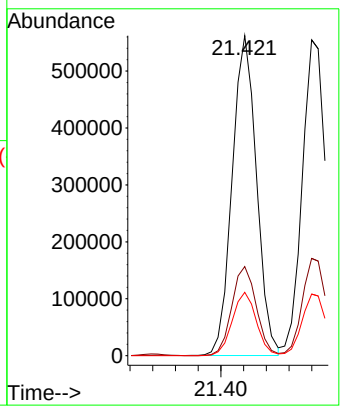





#81
Benzo(a)anthracene
Concen: 9.357 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:228 Resp: 83707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 22.4 | 33.6 |
| 229 | 19.8 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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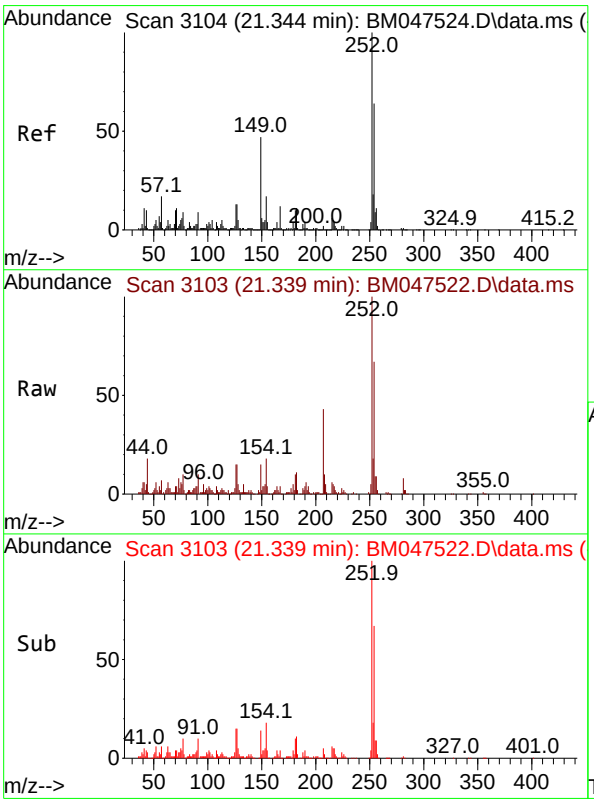
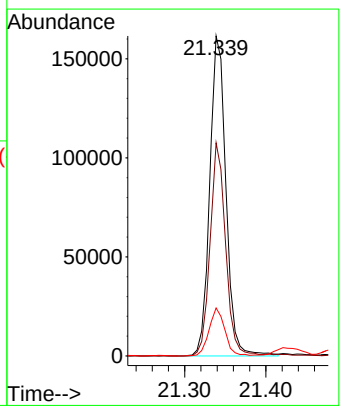
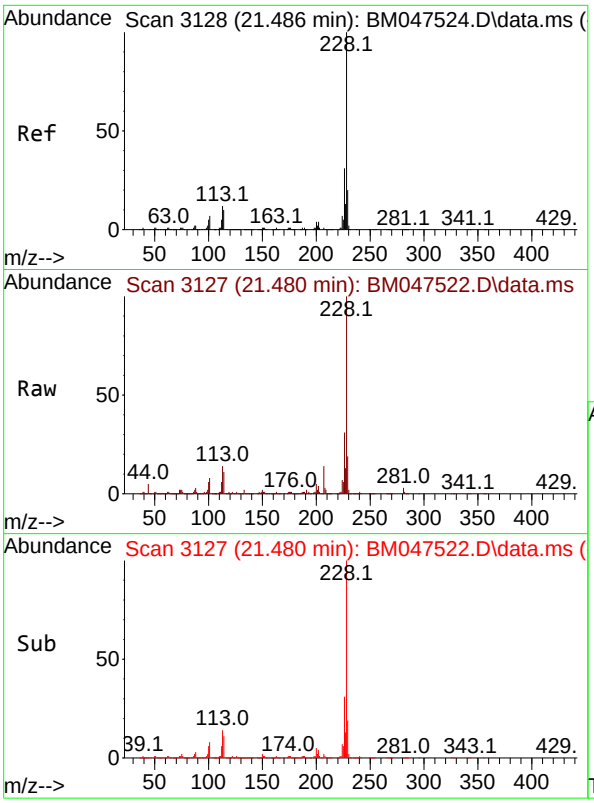



#82
3,3'-Dichlorobenzidine
Concen: 9.410 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 223939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 66.6 | 51.5 | 77.3 |
| 126 | 15.0 | 10.3 | 15.5 |

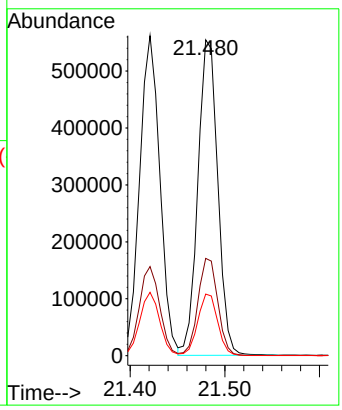





#83
Chrysene
Concen: 9.553 ng
RT: 21.480 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:228 Resp: 80830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.0 | 37.6 |
| 229 | 19.5 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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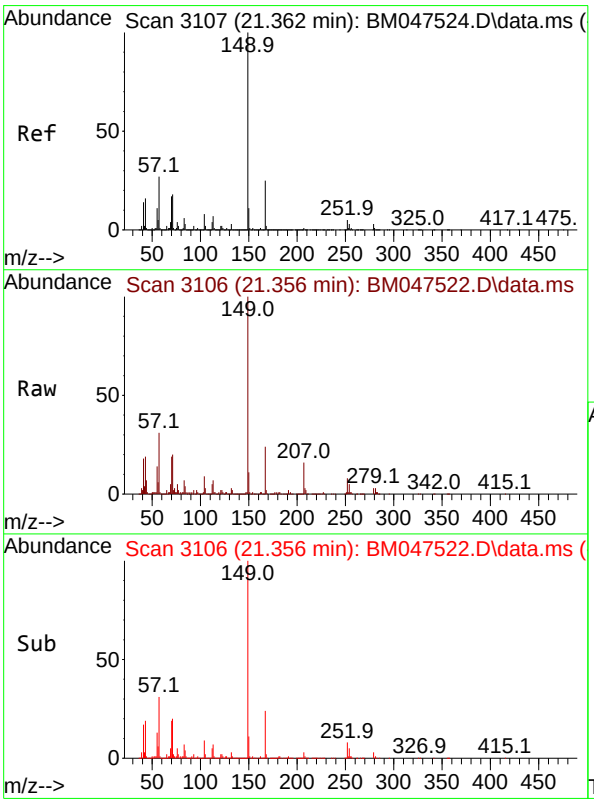
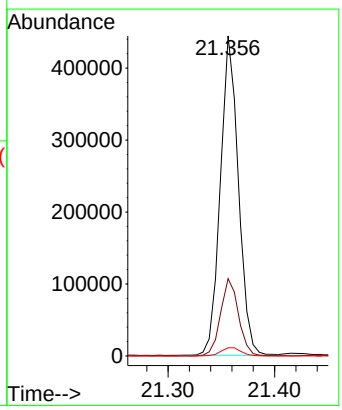
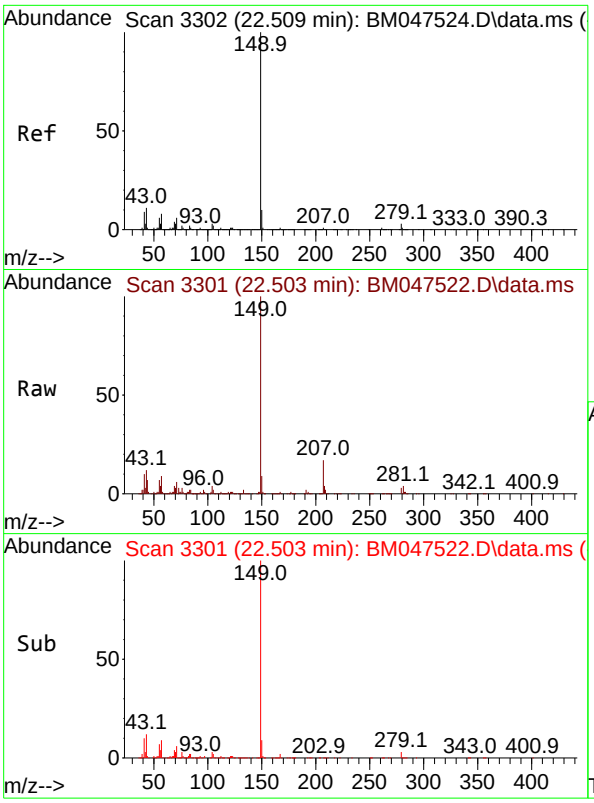



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.654 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 522491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.2 | 20.2 | 30.4 |
| 279 | 2.6 | 2.6 | 4.0# |

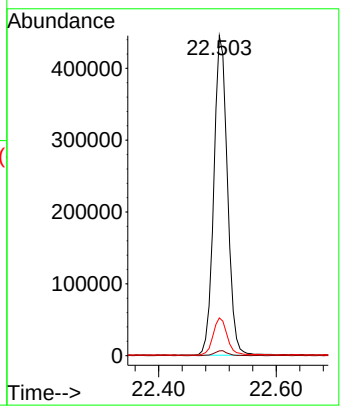





#85
Di-n-octyl phthalate
Concen: 8.380 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:149 Resp: 71560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.1 | 1.7 |
| 43 | 12.1 | 8.9 | 13.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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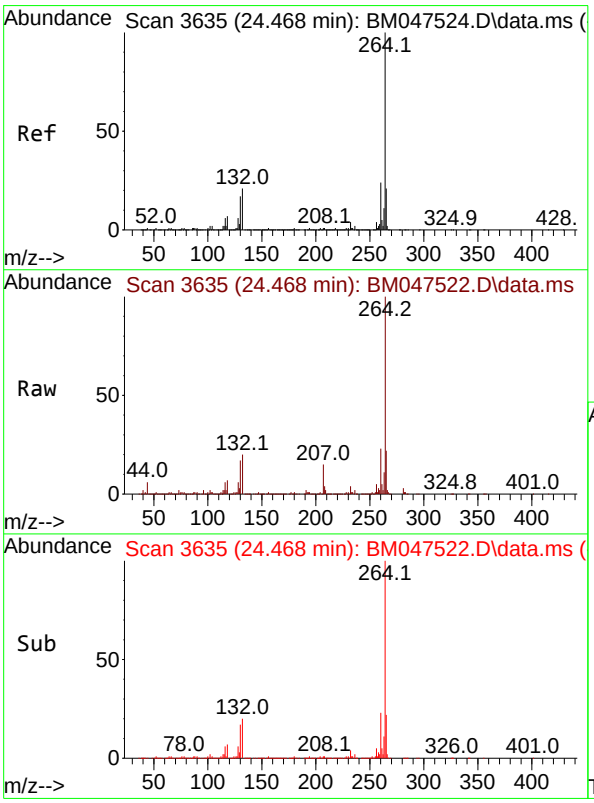
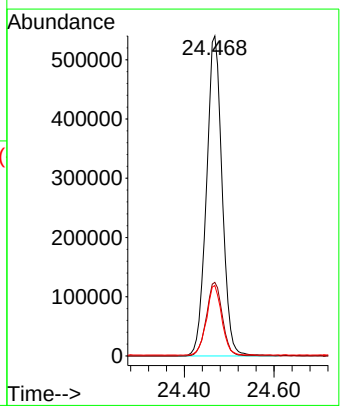
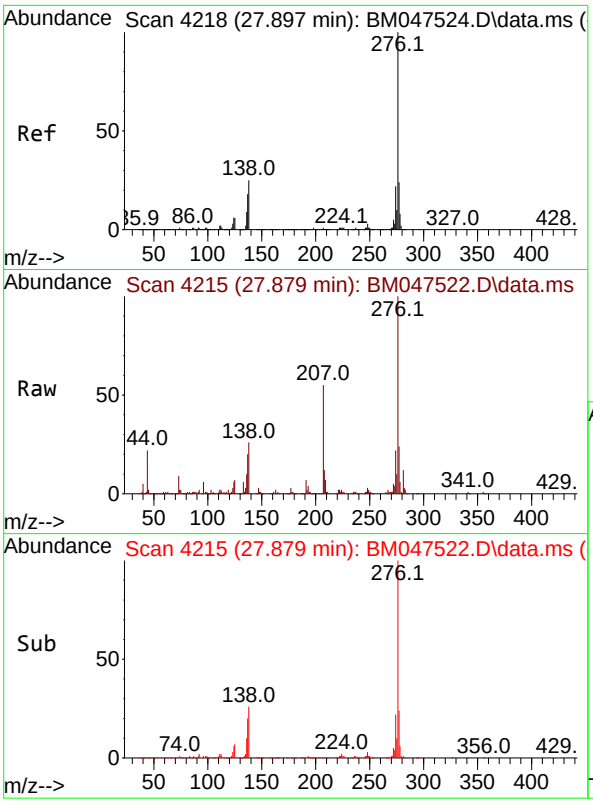



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:264 Resp: 1311119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.9 | 28.3 |
| 265 | 22.0 | 17.4 | 26.2 |

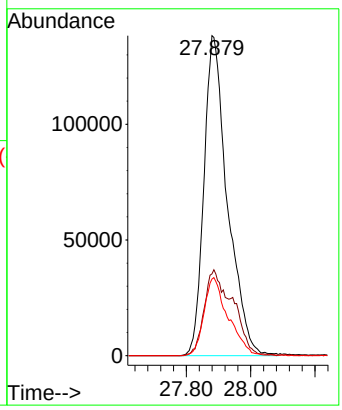





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.979 ng
RT: 27.879 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:276 Resp: 70455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.4 | 25.0 | 37.6 |
| 277 | 25.0 | 20.1 | 30.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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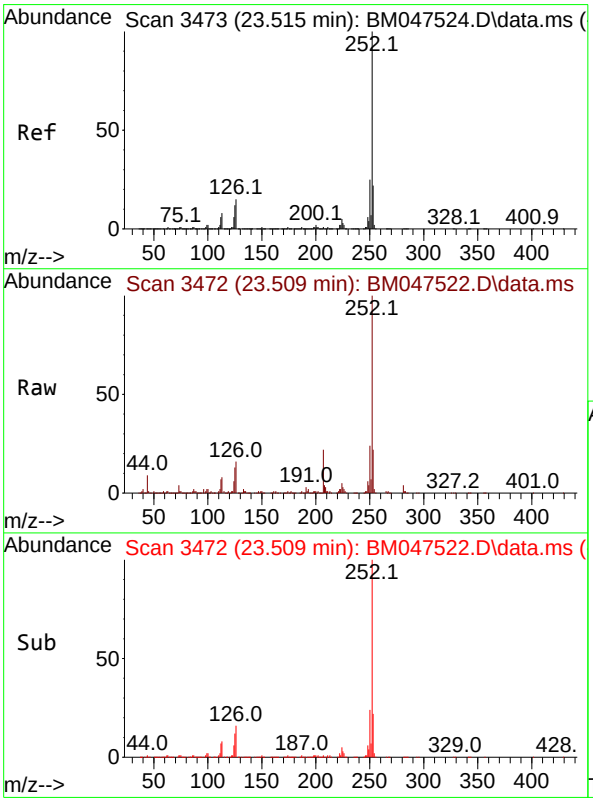
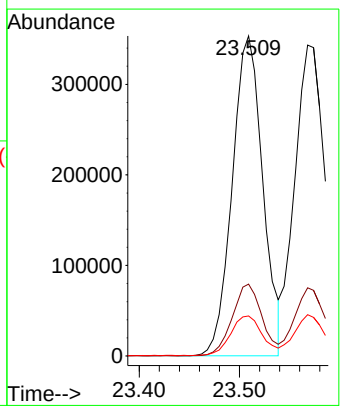
Supervised By :mohammad ahmed 09/17/2024

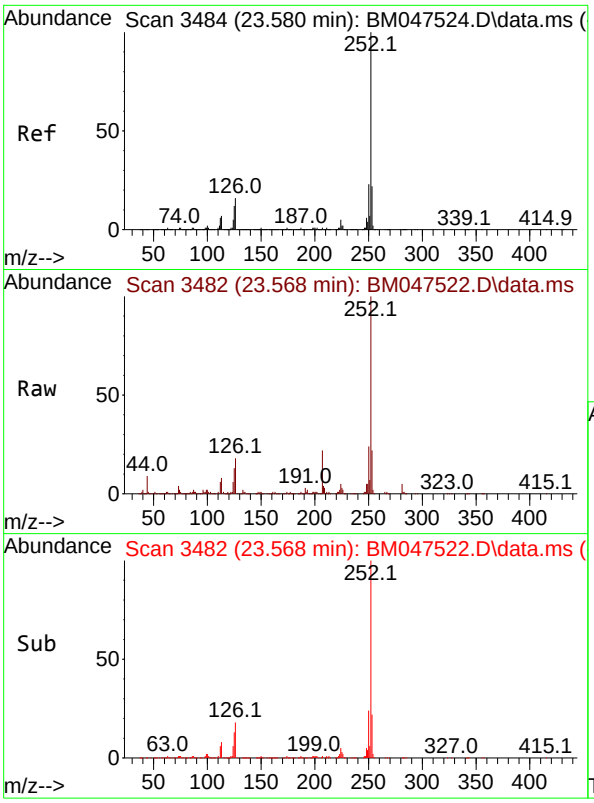



#88
Benzo(b)fluoranthene
Concen: 8.823 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 748473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.8 | 26.8 |
| 125 | 12.5 | 9.5 | 14.3 |

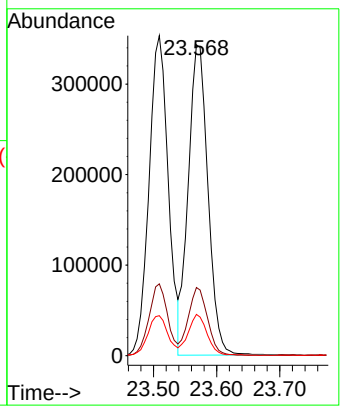





#89
Benzo(k)fluoranthene
Concen: 8.816 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 74123

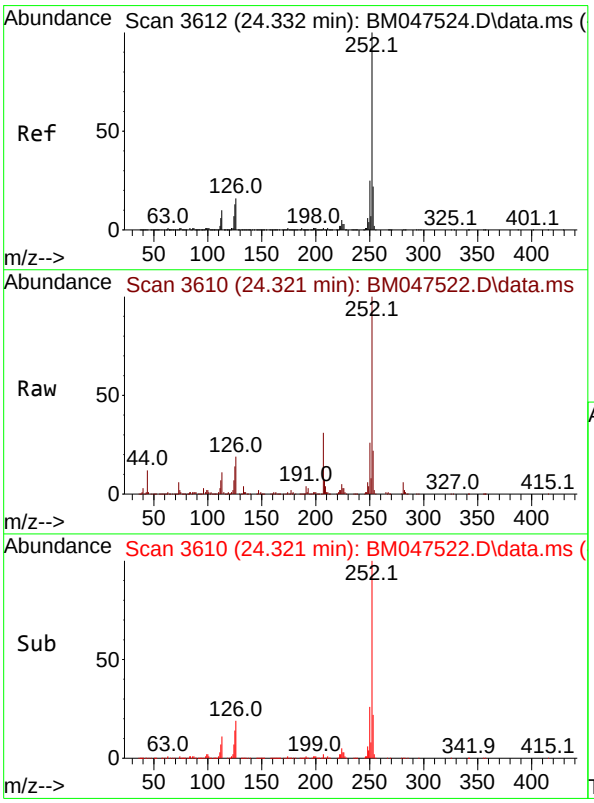
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 13.3 | 9.5 | 14.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
**APPROVED**

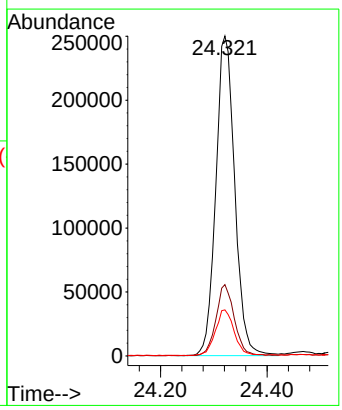
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

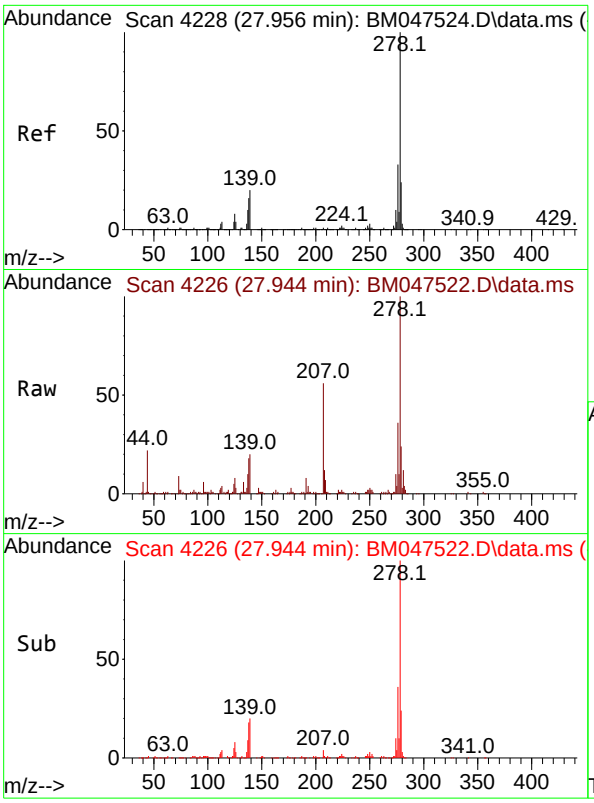



#90
Benzo(a)pyrene
Concen: 8.868 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:252 Resp: 616575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 14.4 | 10.2 | 15.4 |

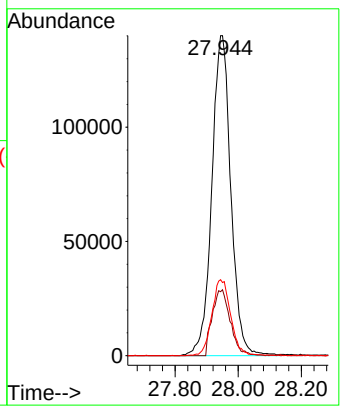





#91
Dibenzo(a,h)anthracene
Concen: 8.876 ng
RT: 27.944 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:278 Resp: 58595

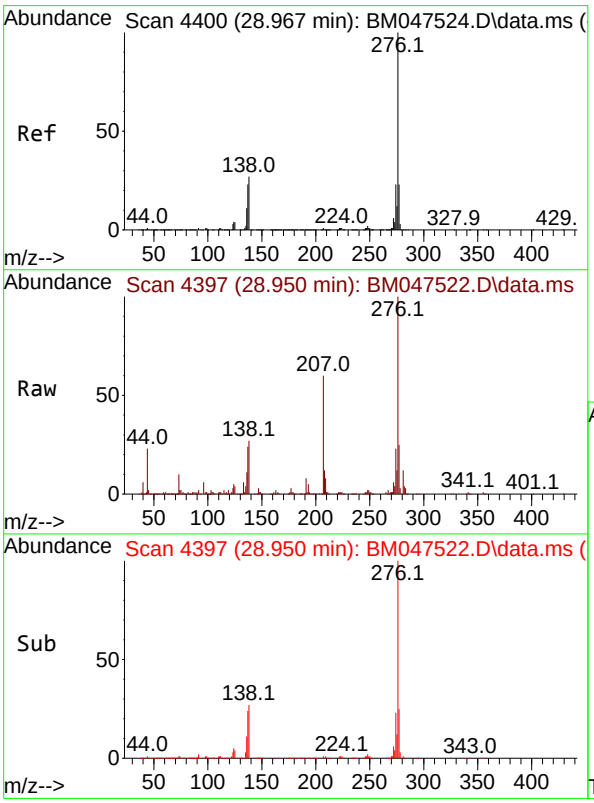
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.0 | 15.9 | 23.9 |
| 279 | 23.8 | 19.3 | 28.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
**APPROVED**

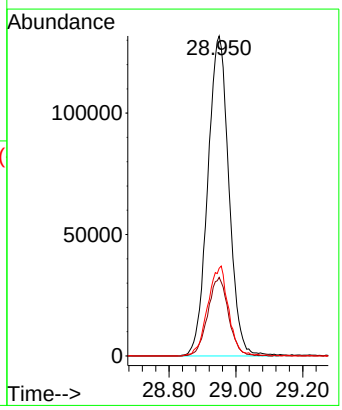
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




#92
Benzo(g,h,i)perylene
Concen: 8.972 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.018 min
Lab File: BM047522.D
Acq: 14 Sep 2024 13:16

Tgt Ion:276 Resp: 578576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.6 | 18.6 | 28.0 |
| 138 | 27.4 | 21.5 | 32.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.852 | 152 | 342855 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.646 | 136 | 1526527 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.481 | 164 | 923702 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1751897 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 1587065 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1465788 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 842282 | 39.116 | ng | | 0.00 |
| 7) Phenol-d6 | 7.005 | 99 | 1177575 | 38.832 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.999 | 82 | 1222672 | 40.084 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 327422 | 36.672 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.104 | 172 | 2559019 | 38.163 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 3625135 | 40.931 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 189333 | 20.528 | ng | | 99 |
| 3) Pyridine | 3.717 | 79 | 546657 | 19.917 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 254521 | 20.433 | ng | # | 97 |
| 6) Aniline | 7.169 | 93 | 536515 | 19.956 | ng | | 99 |
| 8) 2-Chlorophenol | 7.416 | 128 | 473252 | 19.936 | ng | | 99 |
| 9) Benzaldehyde | 6.987 | 77 | 340293 | 23.600 | ng | | 97 |
| 10) Phenol | 7.034 | 94 | 598992 | 19.727 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 488762 | 20.050 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 513128 | 19.749 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 524273 | 19.811 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.205 | 146 | 515238 | 19.783 | ng | | 99 |
| 15) Benzyl Alcohol | 8.081 | 79 | 408249 | 19.875 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 707847 | 20.643 | ng | | 99 |
| 17) 2-Methylphenol | 8.287 | 107 | 386855 | 19.944 | ng | | 99 |
| 18) Hexachloroethane | 8.934 | 117 | 214917 | 20.329 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.652 | 70 | 421768 | 20.628 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 545591 | 20.158 | ng | | 99 |
| 22) Acetophenone | 8.669 | 105 | 792471 | 19.746 | ng | # | 99 |
| 24) Nitrobenzene | 9.046 | 77 | 636650 | 20.312 | ng | | 99 |
| 25) Isophorone | 9.575 | 82 | 1076607 | 20.077 | ng | | 99 |
| 26) 2-Nitrophenol | 9.757 | 139 | 203827 | 19.084 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 322430 | 19.915 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.052 | 93 | 673940 | 20.008 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.287 | 162 | 405385 | 19.708 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 458554 | 19.461 | ng | | 98 |
| 31) Naphthalene | 10.699 | 128 | 1612176 | 19.555 | ng | | 100 |
| 32) Benzoic acid | 9.916 | 122 | 237561 | 19.433 | ng | | 94 |
| 33) 4-Chloroaniline | 10.799 | 127 | 593631 | 19.915 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.993 | 225 | 254856 | 19.528 | ng | | 99 |
| 35) Caprolactam | 11.557 | 113 | 137114 | 20.236 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.916 | 107 | 465828 | 19.761 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.304 | 142 | 1058175 | 19.285 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.528 | 142 | 1059589 | 19.431 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.675 | 216 | 474619 | 18.989 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 155288 | 19.005 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 300506 | 19.191 | ng | | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.981 | 196 | 338597 | 19.144 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.316 | 154 | 1376433 | 19.152 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 1079485 | 19.344 | ng | 99 |
| 48) 2-Nitroaniline | 13.551 | 65 | 327621 | 19.988 | ng | 98 |
| 49) Acenaphthylene | 14.204 | 152 | 1553646 | 19.293 | ng | 99 |
| 50) Dimethylphthalate | 13.940 | 163 | 1234071 | 19.601 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.045 | 165 | 263492 | 19.825 | ng | 97 |
| 52) Acenaphthene | 14.545 | 154 | 1073800 | 19.031 | ng | 99 |
| 53) 3-Nitroaniline | 14.369 | 138 | 291462 | 19.730 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.575 | 184 | 95439 | 20.092 | ng | 99 |
| 55) Dibenzofuran | 14.875 | 168 | 1528665 | 19.279 | ng | 98 |
| 56) 4-Nitrophenol | 14.669 | 139 | 242863 | 19.979 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.828 | 165 | 348812 | 19.678 | ng | 96 |
| 58) Fluorene | 15.528 | 166 | 1391341 | 19.490 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 262673 | 19.048 | ng | 98 |
| 60) Diethylphthalate | 15.298 | 149 | 1325288 | 19.779 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204 | 630563 | 19.318 | ng | 98 |
| 62) 4-Nitroaniline | 15.528 | 138 | 348254 | 20.055 | ng | 96 |
| 63) Azobenzene | 15.810 | 77 | 1496804 | 20.288 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 135667 | 20.104 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 15.728 | 169 | 1033465 | 19.283 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248 | 320141 | 18.807 | ng | 98 |
| 68) Hexachlorobenzene | 16.528 | 284 | 361746 | 18.759 | ng | 99 |
| 69) Atrazine | 16.675 | 200 | 295545 | 19.952 | ng | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 211585 | 18.928 | ng | 98 |
| 71) Phenanthrene | 17.257 | 178 | 1846292 | 19.123 | ng | 100 |
| 72) Anthracene | 17.345 | 178 | 1789228 | 19.289 | ng | 99 |
| 73) Carbazole | 17.610 | 167 | 1778076 | 19.343 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 2168251 | 19.713 | ng | 99 |
| 75) Fluoranthene | 19.263 | 202 | 2012958 | 19.109 | ng | 97 |
| 77) Benzidine | 19.445 | 184 | 495797 | 22.182 | ng | 99 |
| 78) Pyrene | 19.627 | 202 | 2147890 | 18.554 | ng | 99 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 856878 | 19.228 | ng | 100 |
| 81) Benzo(a)anthracene | 21.421 | 228 | 2040458 | 19.725 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.345 | 252 | 568618 | 20.664 | ng | 100 |
| 83) Chrysene | 21.486 | 228 | 1905289 | 19.472 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.357 | 149 | 1355453 | 19.416 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.510 | 149 | 1973400 | 19.984 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.892 | 276 | 1688895 | 19.253 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.509 | 252 | 1811874 | 19.105 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.574 | 252 | 1775972 | 18.895 | ng | 98 |
| 90) Benzo(a)pyrene | 24.327 | 252 | 1492255 | 19.198 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.956 | 278 | 1413538 | 19.153 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.956 | 276 | 1378333 | 19.119 | ng | 98 |

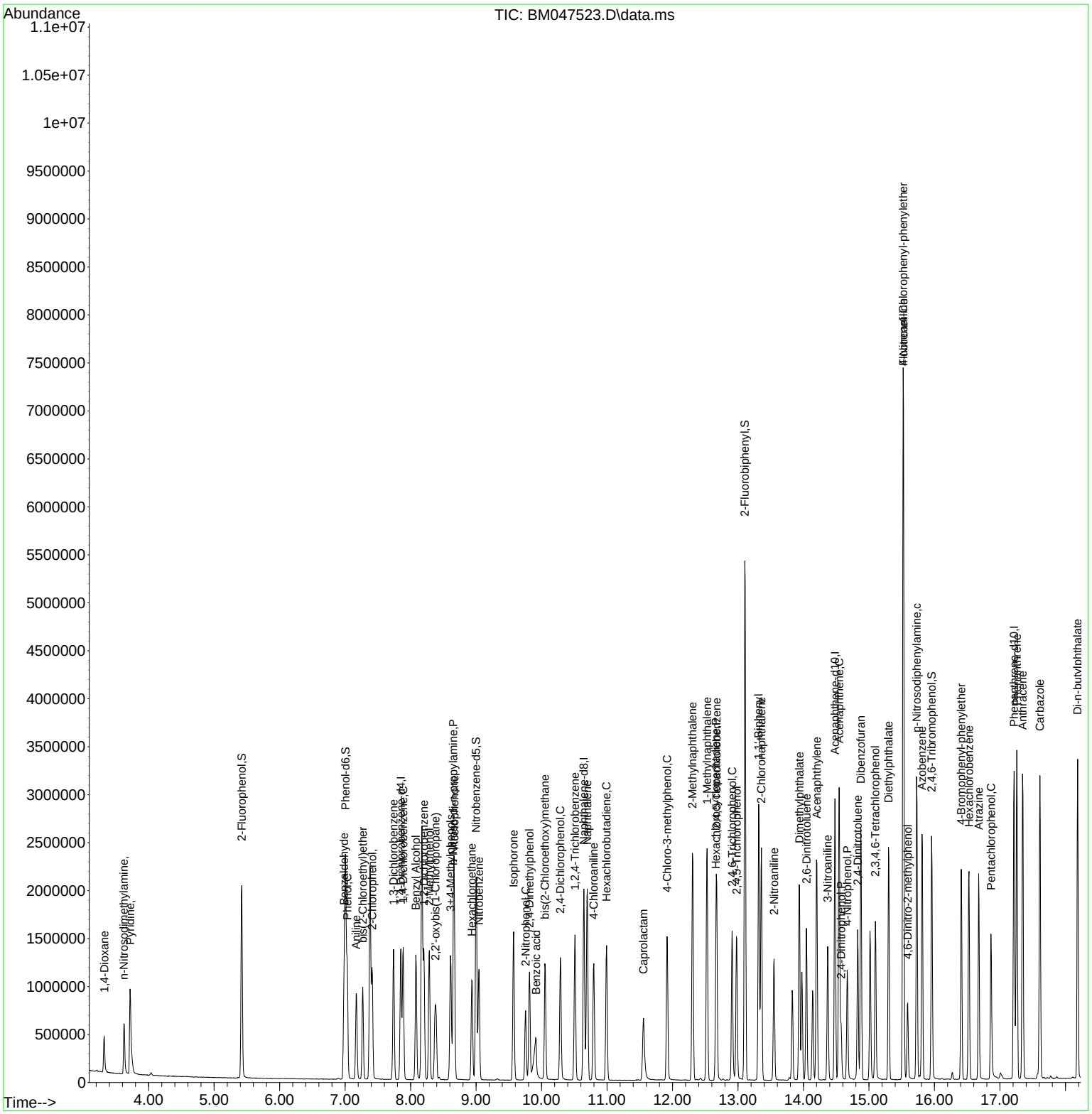
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

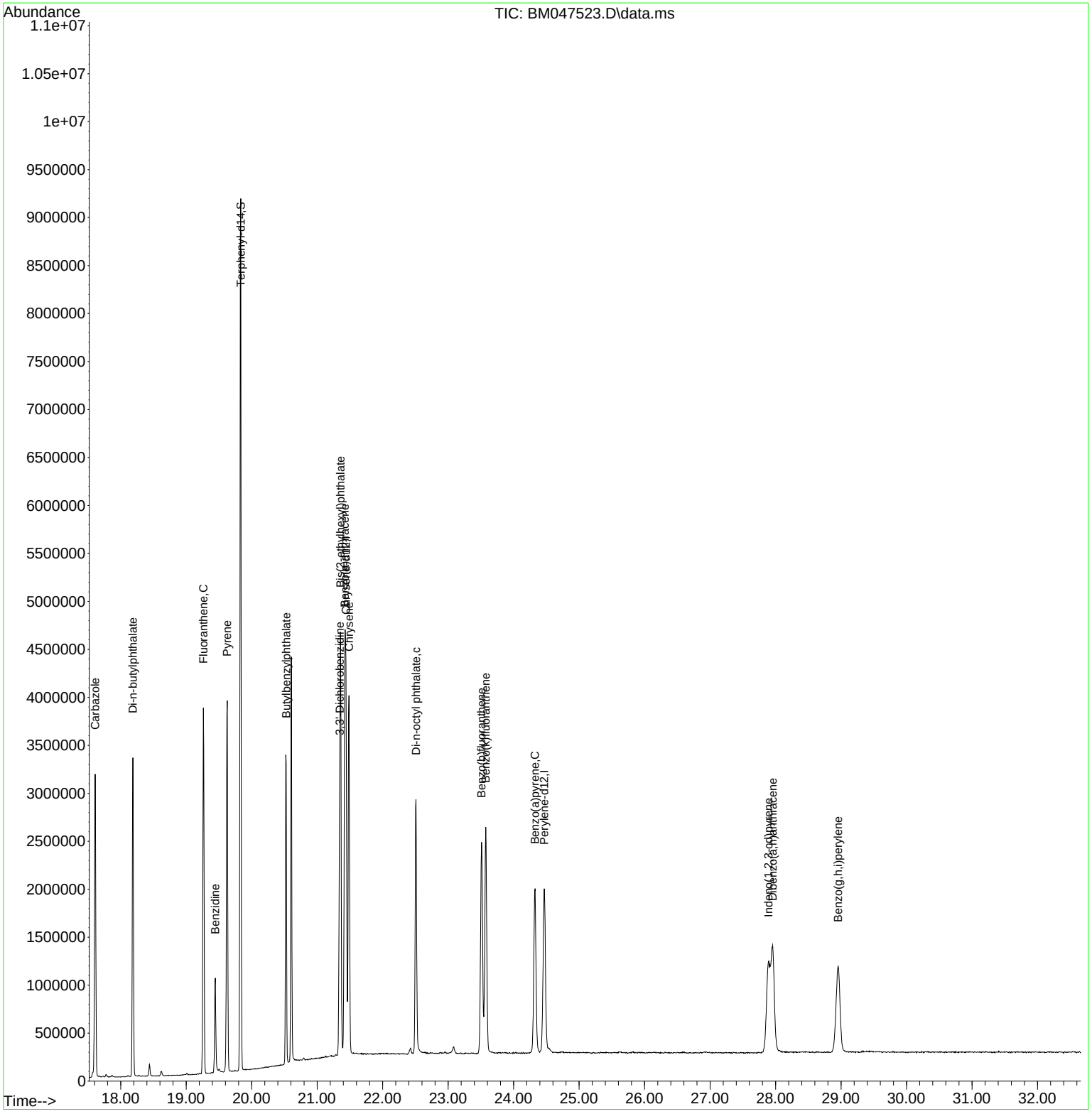


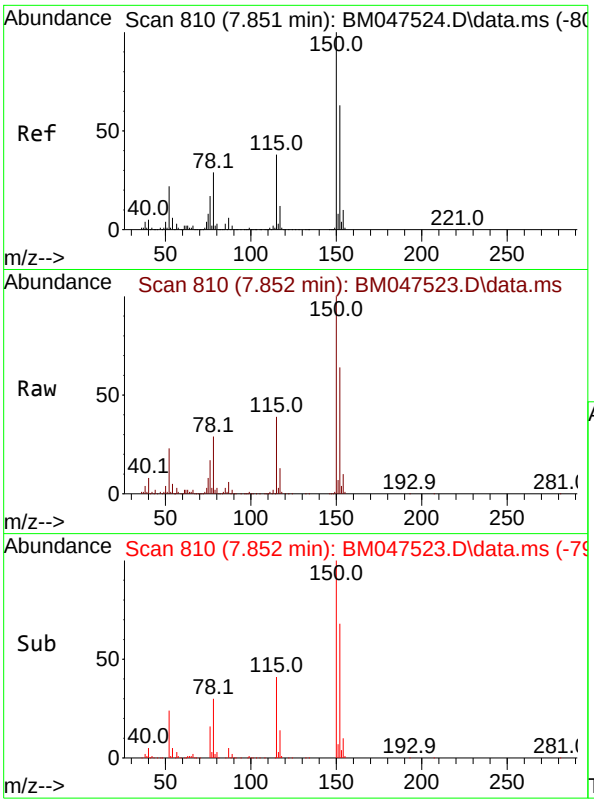
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047523.D
Acq On : 14 Sep 2024 13:55
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Quant Time: Sep 15 08:47:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration



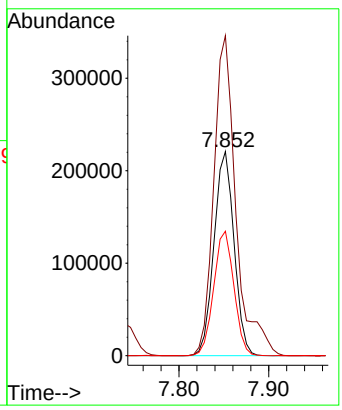


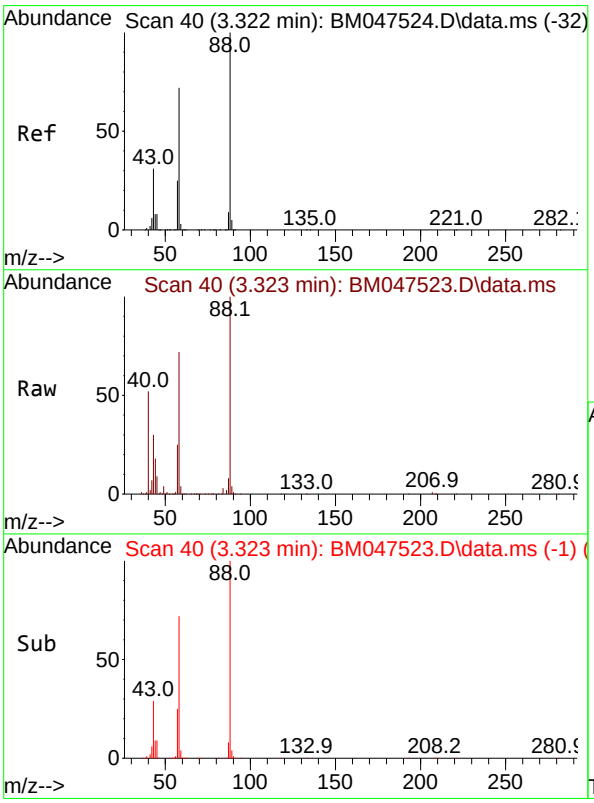

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 342855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.7 | 126.8 | 190.2 |
| 115 | 61.0 | 47.8 | 71.8 |

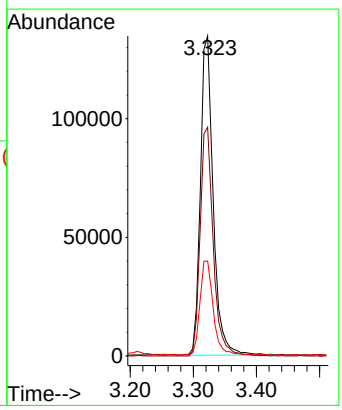


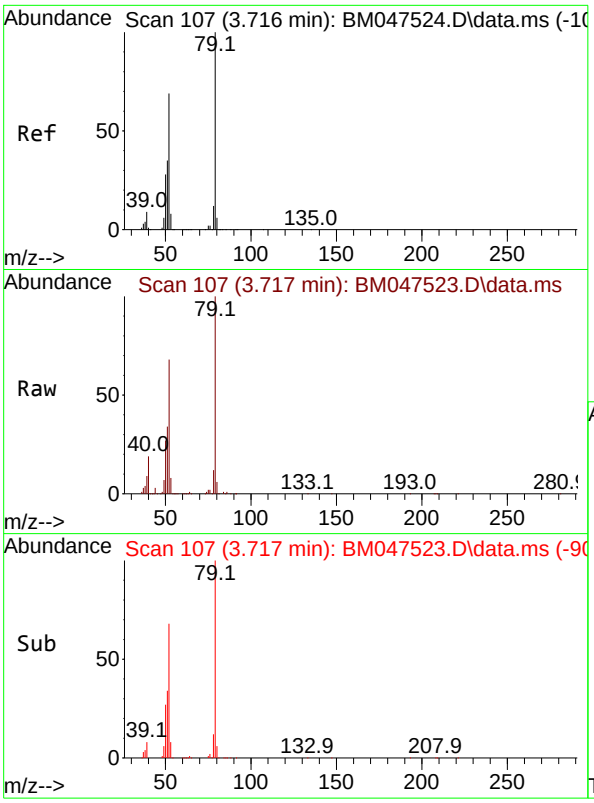




#2
1,4-Dioxane
Concen: 20.528 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 88 Resp: 189333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.3 | 59.0 | 88.6 |
| 43 | 30.7 | 25.0 | 37.4 |



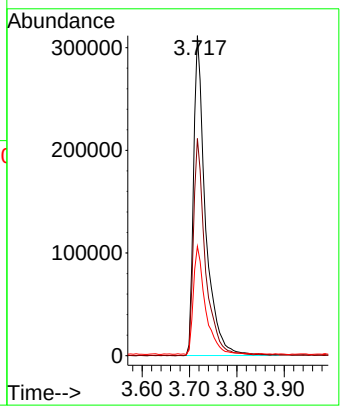


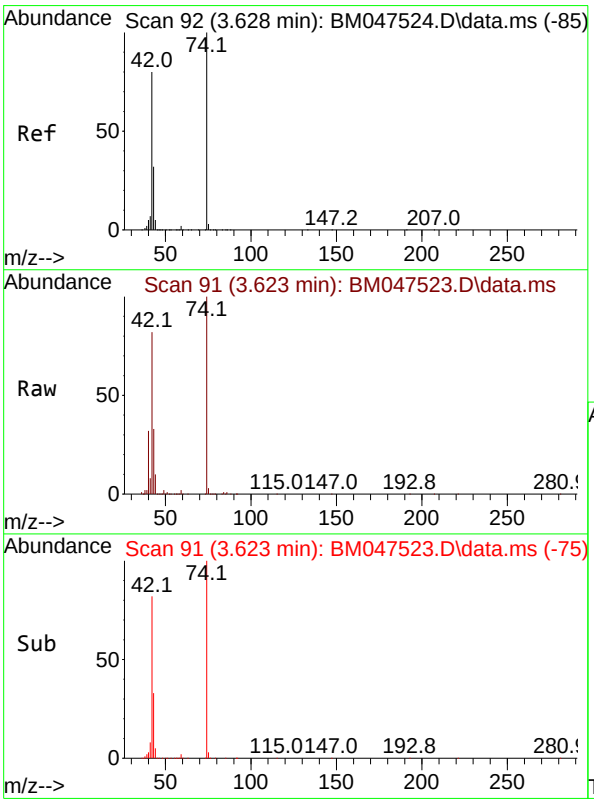

#3
Pyridine
Concen: 19.917 ng
RT: 3.717 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 546657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.8 | 55.4 | 83.0 |
| 51 | 34.2 | 27.9 | 41.9 |

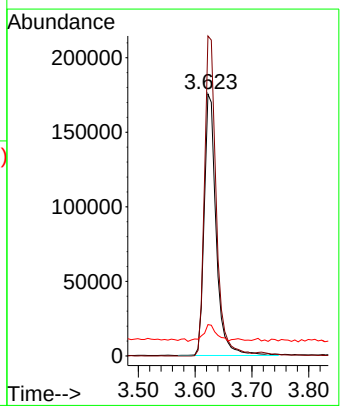


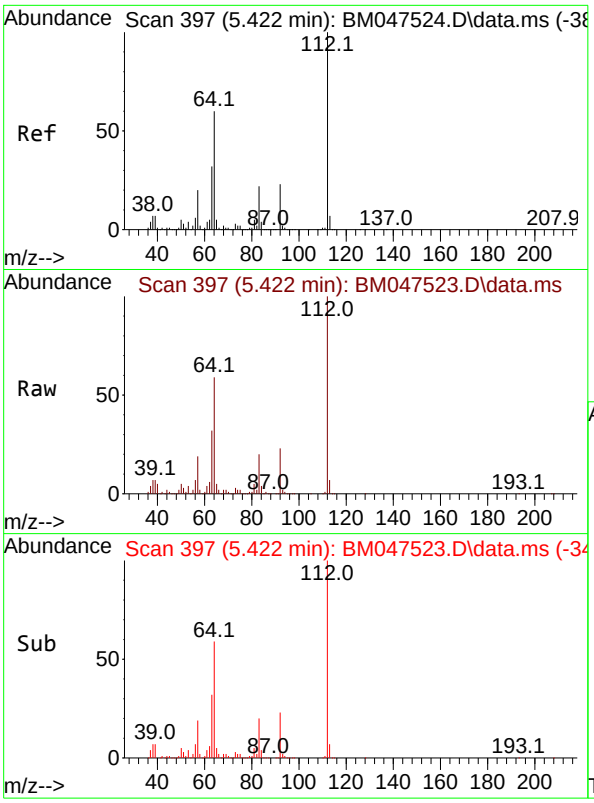




#4
n-Nitrosodimethylamine
Concen: 20.433 ng
RT: 3.623 min Scan# 91
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 42 Resp: 254521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 122.2 | 100.5 | 150.7 |
| 44 | 12.0 | 6.9 | 10.3# |



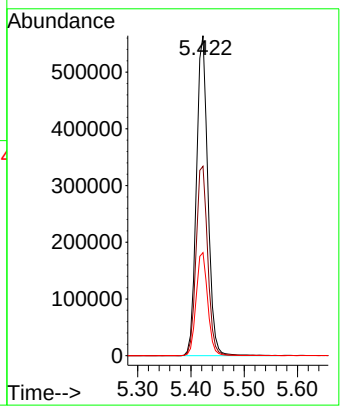


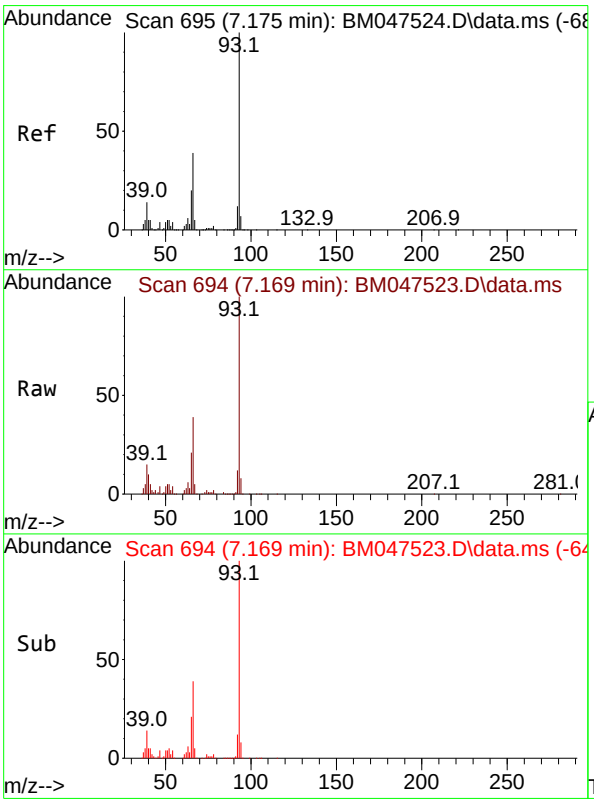

#5
2-Fluorophenol
Concen: 39.116 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:112 Resp: 842282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.2 | 48.2 | 72.4 |
| 63 | 32.2 | 26.0 | 39.0 |

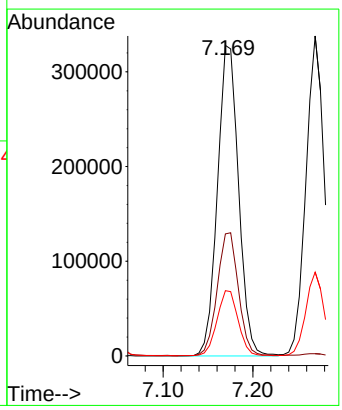


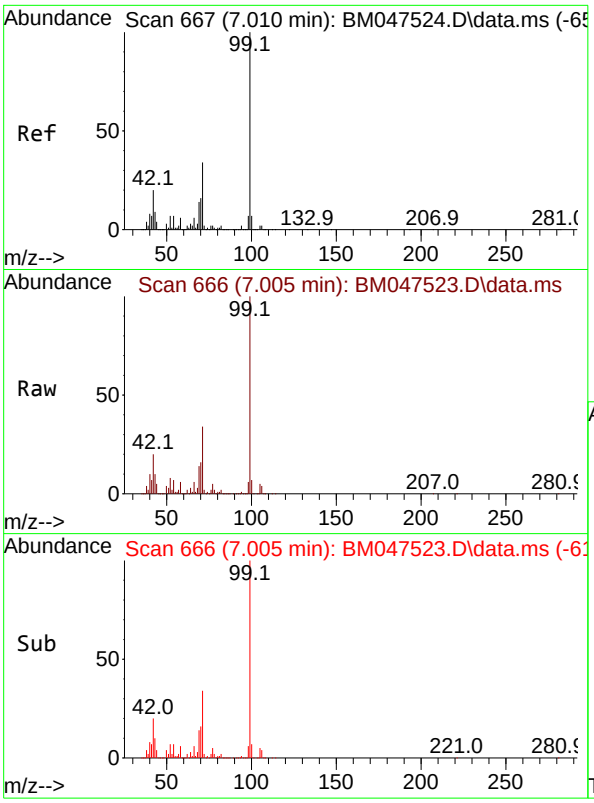




#6
Aniline
Concen: 19.956 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 93 Resp: 536515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.3 | 31.4 | 47.0 |
| 65 | 21.0 | 16.3 | 24.5 |



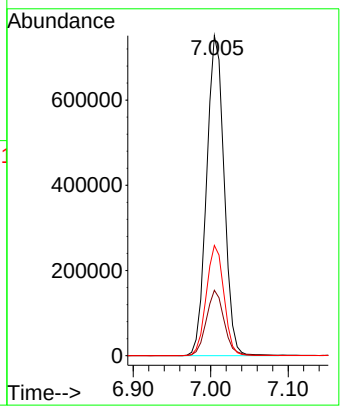


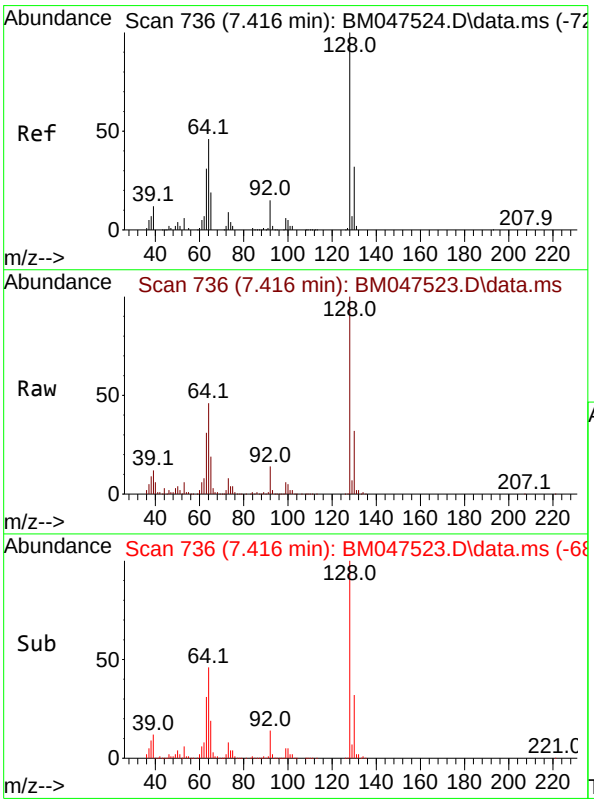

#7
Phenol-d6
Concen: 38.832 ng
RT: 7.005 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 99 Resp: 1177575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 15.8 | 23.8 |
| 71 | 34.4 | 27.6 | 41.4 |

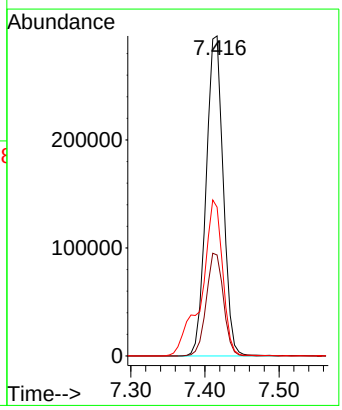


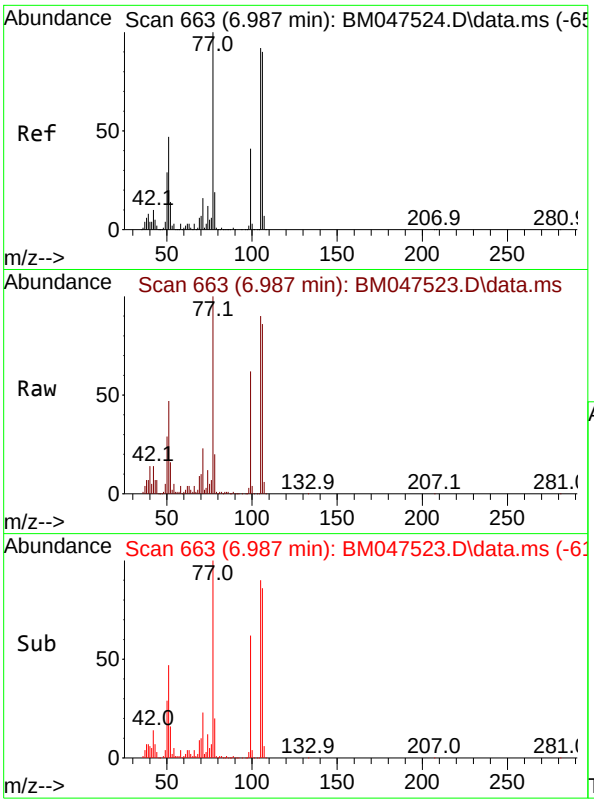




#8
2-Chlorophenol
Concen: 19.936 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:128 Resp: 473252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.5 | 11.8 | 51.8 |
| 64 | 46.5 | 27.6 | 67.6 |



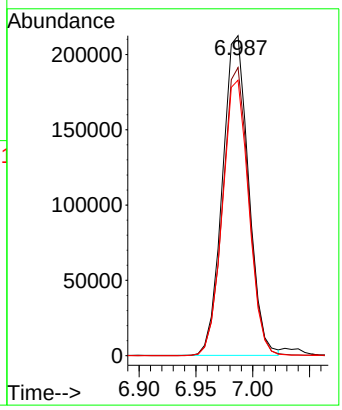


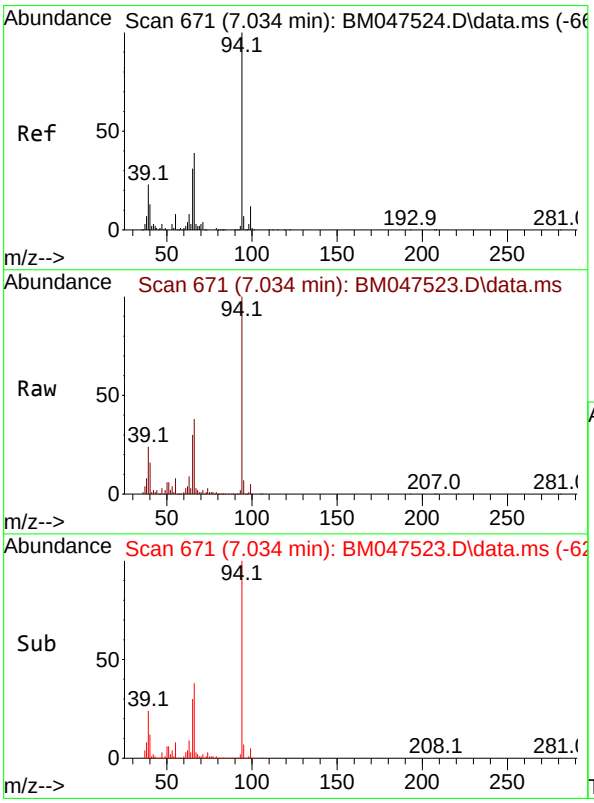

#9
Benzaldehyde
Concen: 23.600 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 340293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 90.0 | 71.8 | 111.8 |
| 106 | 86.1 | 69.7 | 109.7 |

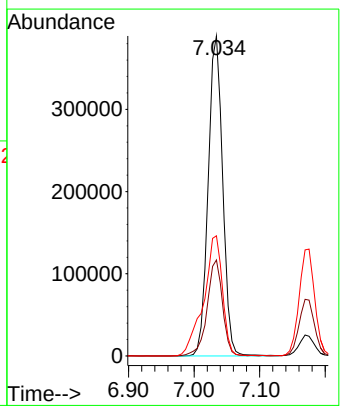


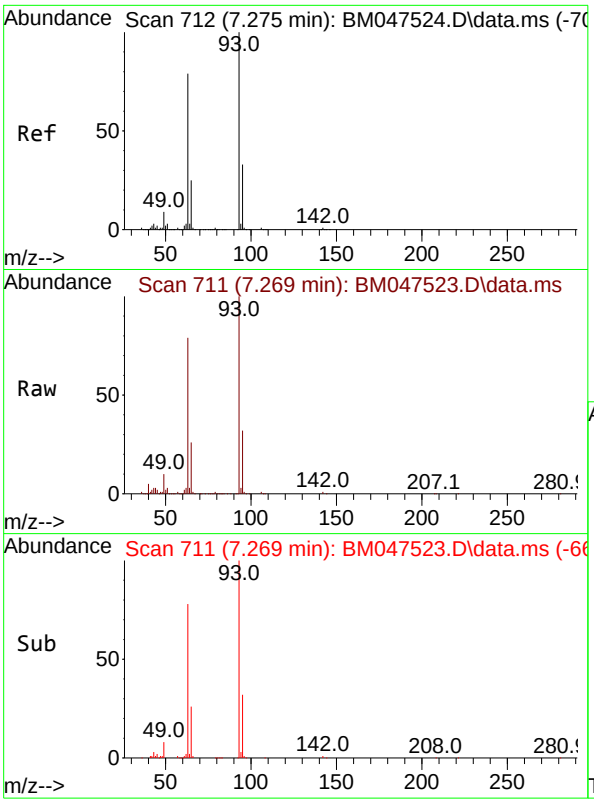




#10
Phenol
Concen: 19.727 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 94 Resp: 598992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.0 | 10.8 | 50.8 |
| 66 | 37.6 | 19.2 | 59.2 |



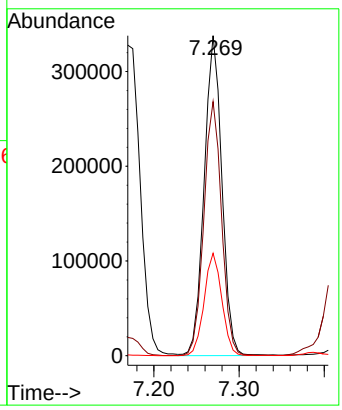


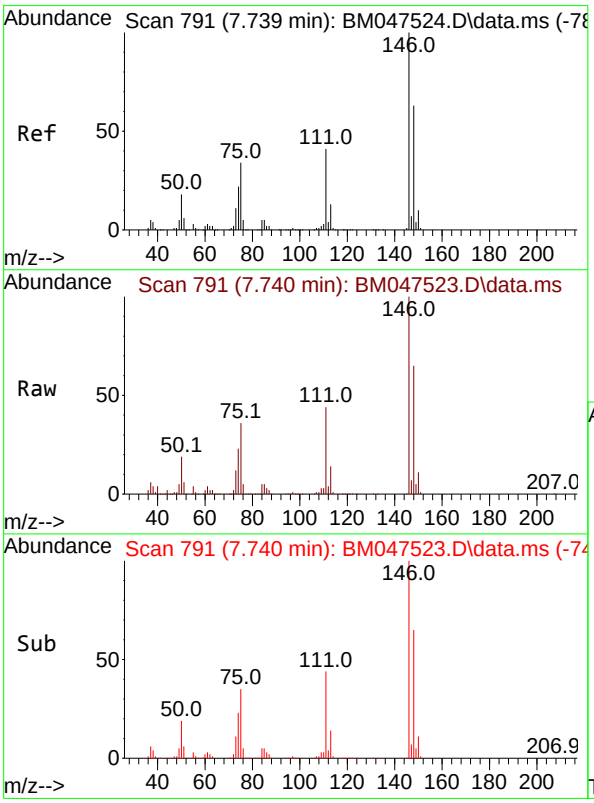

#11
bis(2-Chloroethyl)ether
Concen: 20.050 ng
RT: 7.269 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 93 Resp: 488762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.4 | 58.2 | 98.2 |
| 95 | 32.0 | 12.8 | 52.8 |

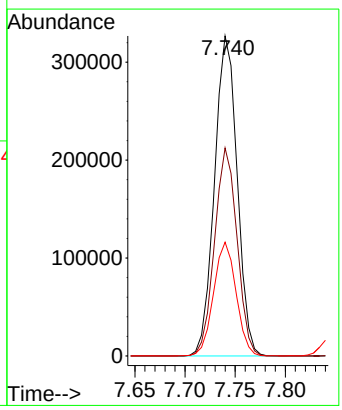


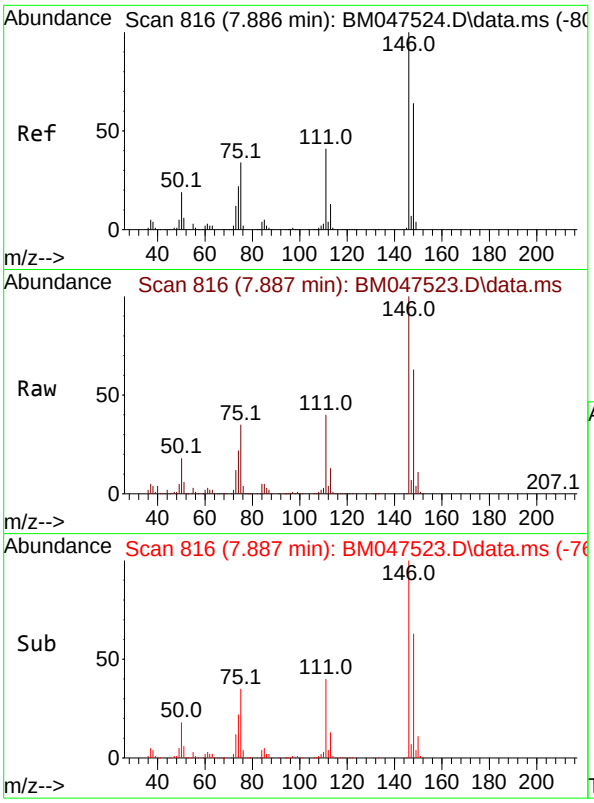




#12
1,3-Dichlorobenzene
Concen: 19.749 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:146 Resp: 513128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 50.2 | 75.4 |
| 75 | 35.5 | 27.4 | 41.0 |



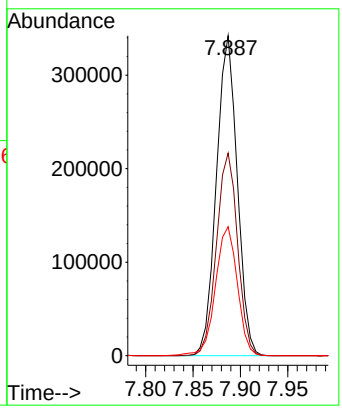


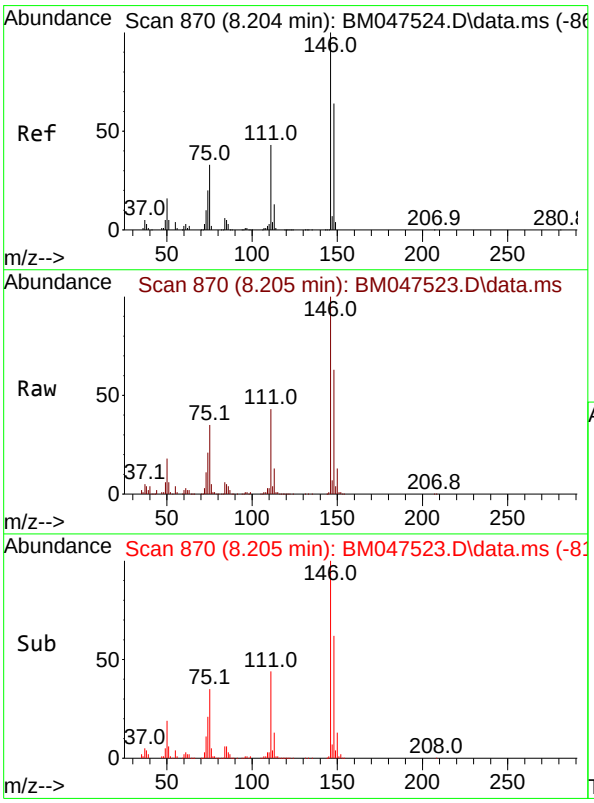

#13
1,4-Dichlorobenzene
Concen: 19.811 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:146 Resp: 524273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.3 | 76.9 |
| 111 | 40.3 | 32.9 | 49.3 |

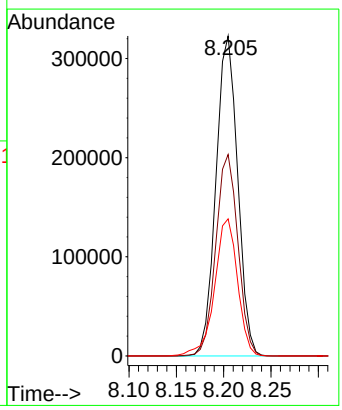


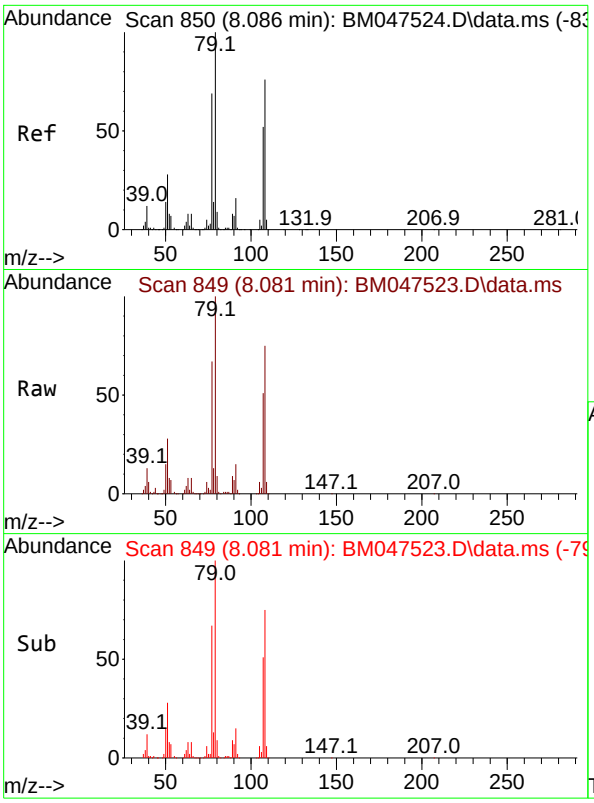




#14
1,2-Dichlorobenzene
Concen: 19.783 ng
RT: 8.205 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:146 Resp: 515238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.1 | 76.7 |
| 111 | 42.9 | 34.7 | 52.1 |



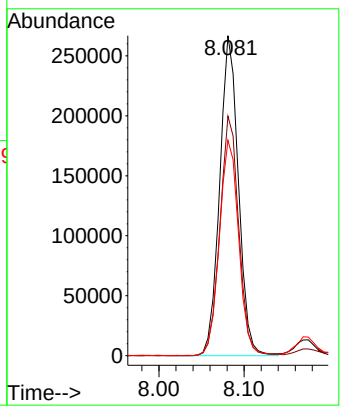


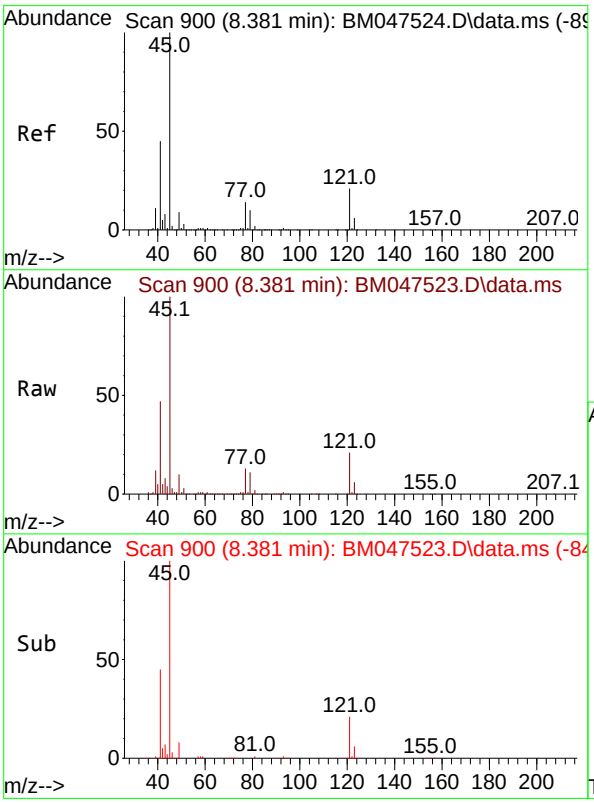

#15
Benzyl Alcohol
Concen: 19.875 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 408249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.8 | 60.6 | 91.0 |
| 77 | 67.3 | 55.0 | 82.4 |

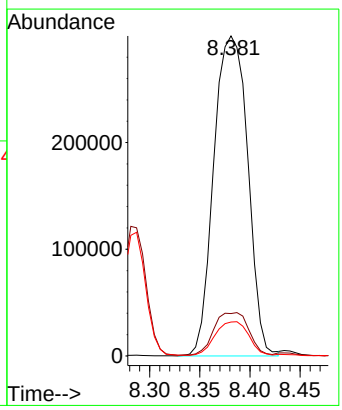


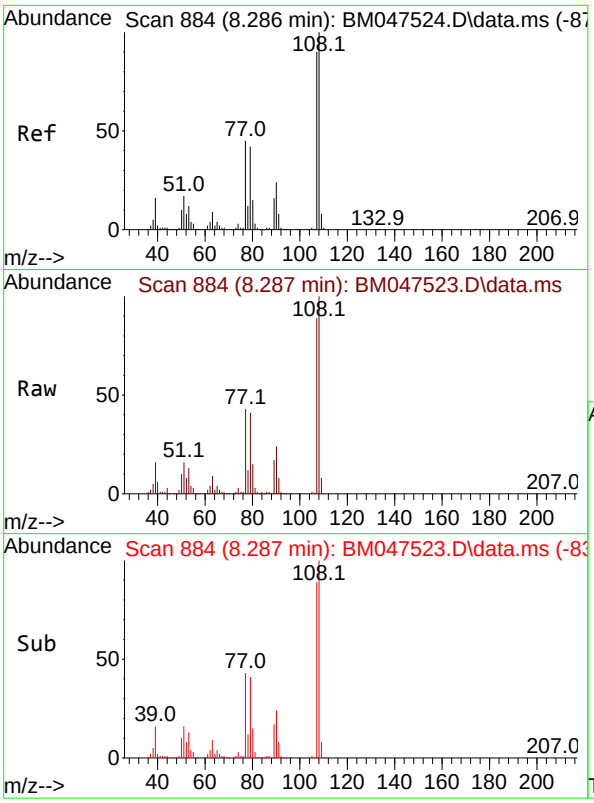




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.643 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 45 Resp: 707847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.3 | 0.0 | 33.7 |
| 79 | 10.6 | 0.0 | 30.3 |



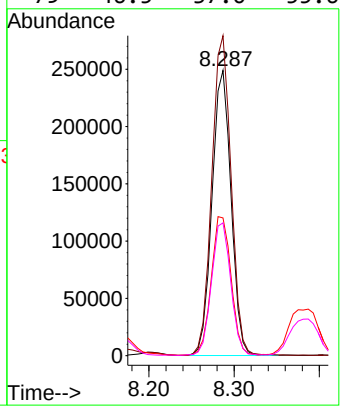


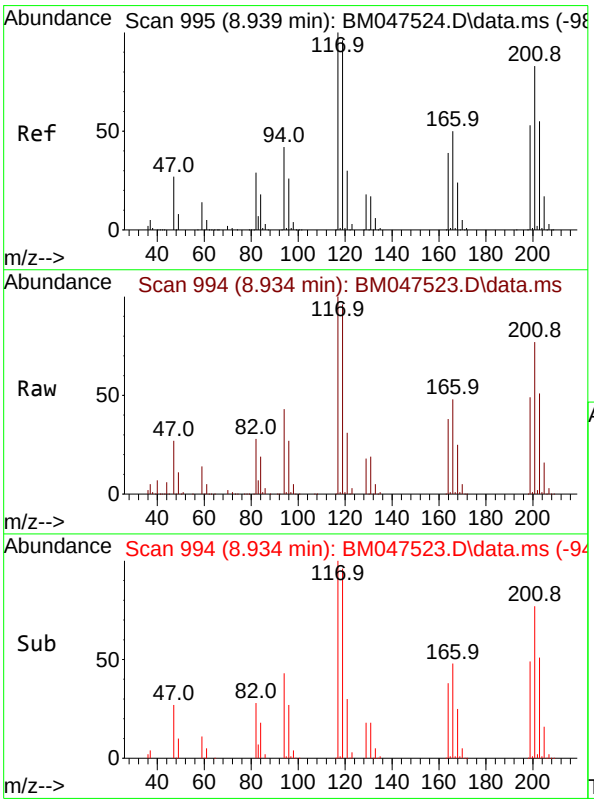

#17
2-Methylphenol
Concen: 19.944 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:107 Resp: 386855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 88.9 | 133.3 |
| 77 | 48.3 | 39.8 | 59.8 |
| 79 | 46.5 | 37.0 | 55.6 |

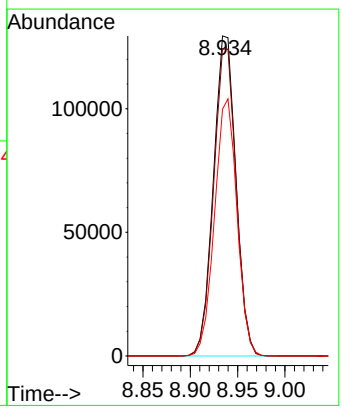


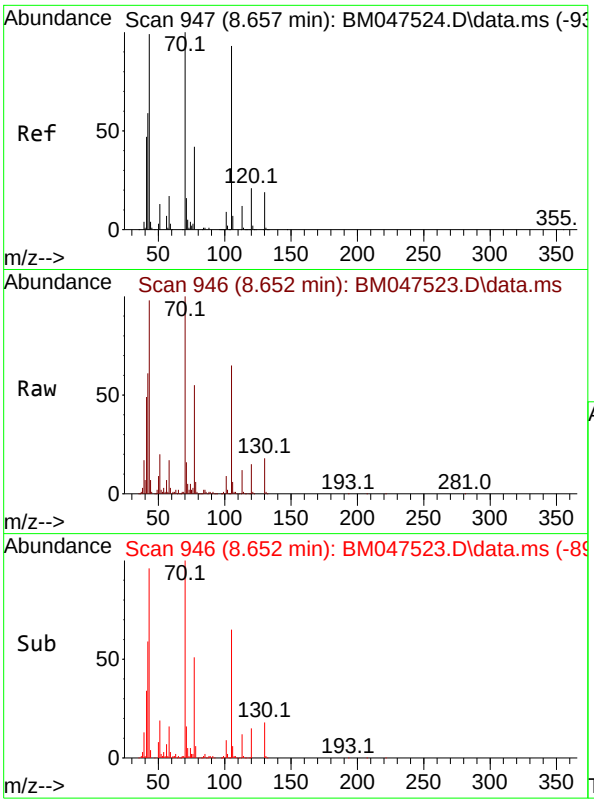




#18
Hexachloroethane
Concen: 20.329 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:117 Resp: 214917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 77.0 | 115.4 |
| 201 | 77.1 | 66.8 | 100.2 |



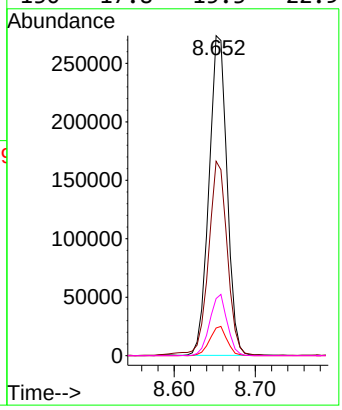


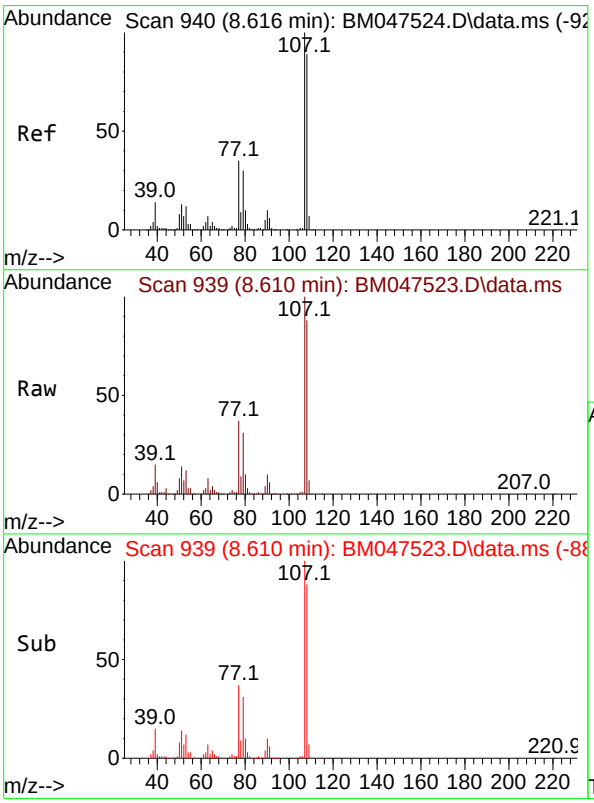

#19
n-Nitroso-di-n-propylamine
Concen: 20.628 ng
RT: 8.652 min Scan# 94
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 70 Resp: 421768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.7 | 48.2 | 72.2 |
| 101 | 8.7 | 7.0 | 10.4 |
| 130 | 17.8 | 15.3 | 22.9 |

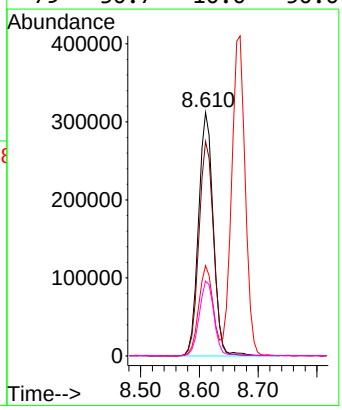


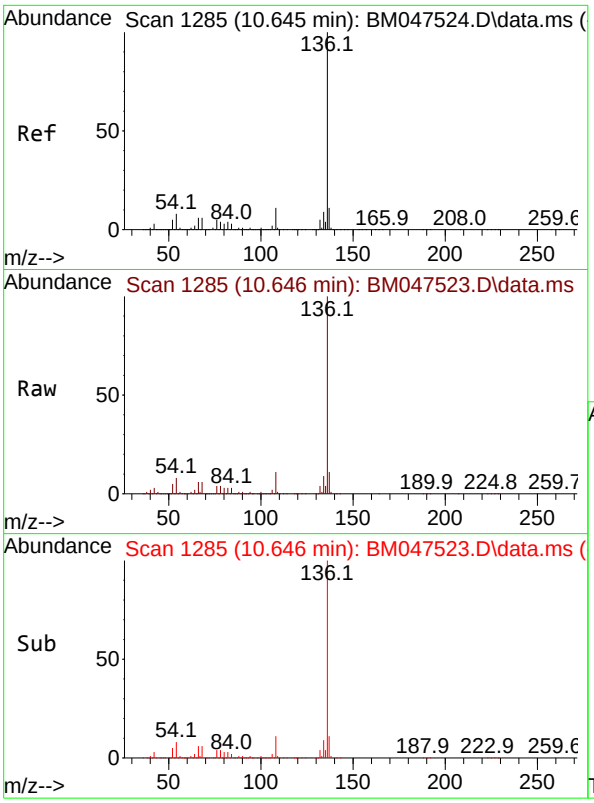




#20
3+4-Methylphenols
Concen: 20.158 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:107 Resp: 545591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 68.9 | 108.9 |
| 77 | 37.0 | 15.5 | 55.5 |
| 79 | 30.7 | 10.0 | 50.0 |



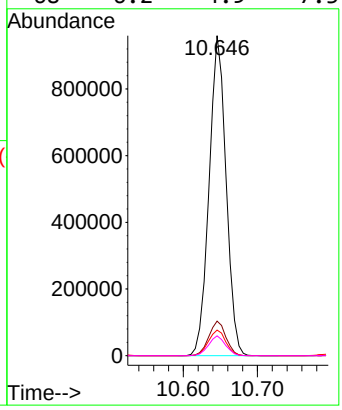


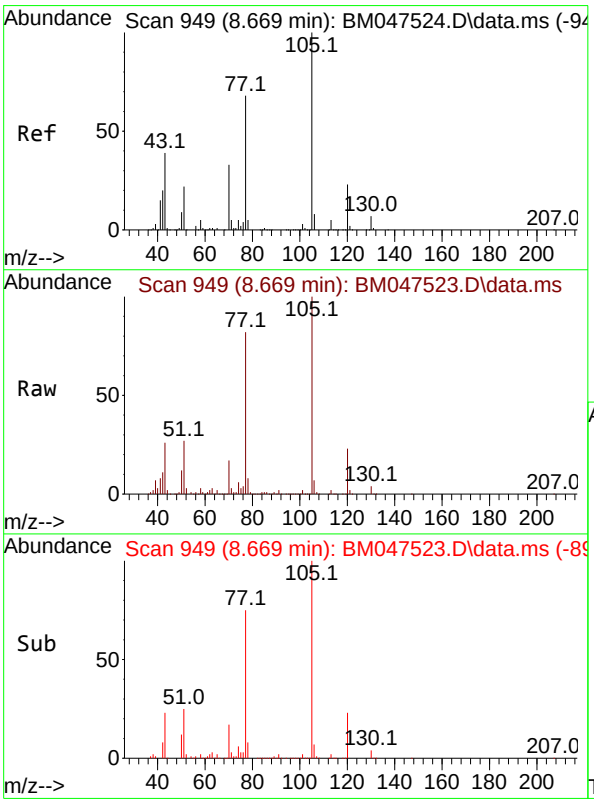

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:136 Resp: 1526527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 6.2 | 4.9 | 7.3 |

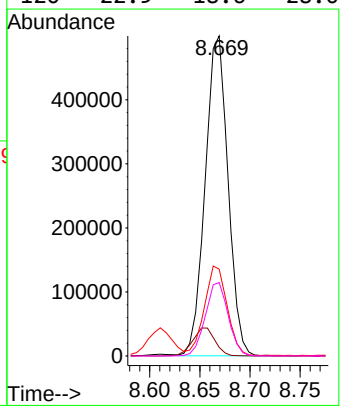


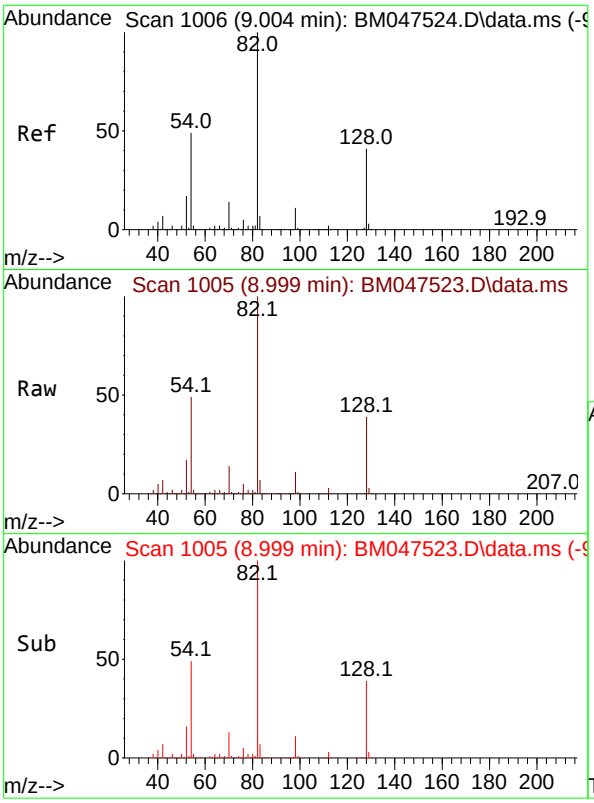




#22
Acetophenone
Concen: 19.746 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:105 Resp: 792471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.7 | 4.3 | 6.5# |
| 51 | 27.1 | 21.5 | 32.3 |
| 120 | 22.9 | 18.6 | 28.0 |



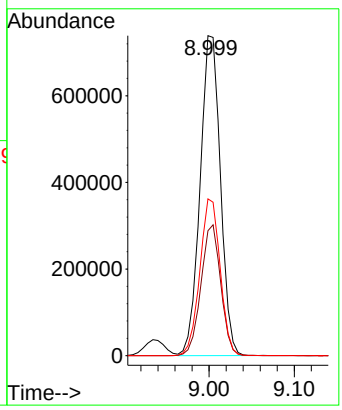


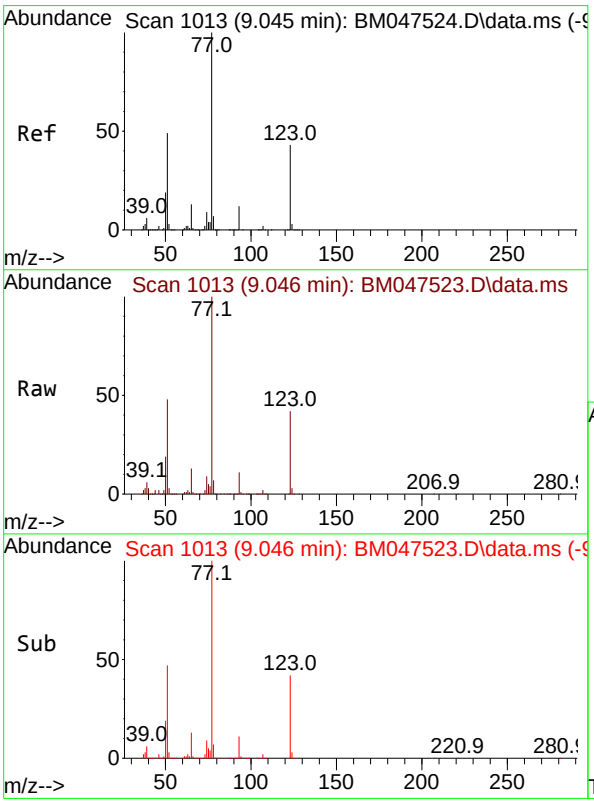

#23
Nitrobenzene-d5
Concen: 40.084 ng
RT: 8.999 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 1222672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 33.0 | 49.4 |
| 54 | 49.0 | 39.3 | 58.9 |

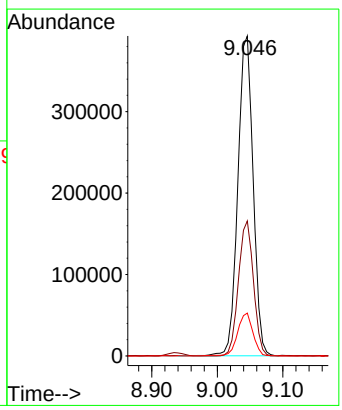


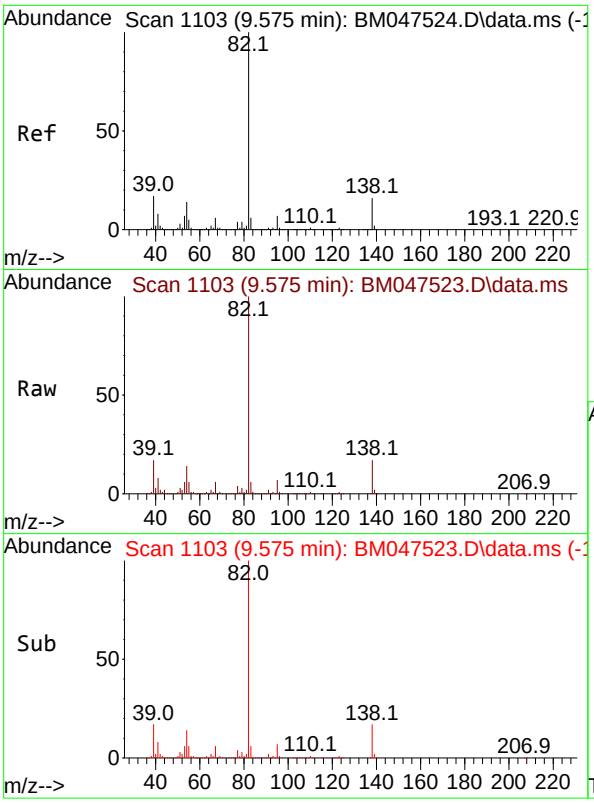




#24
Nitrobenzene
Concen: 20.312 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 77 Resp: 636650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.2 | 34.5 | 51.7 |
| 65 | 13.4 | 10.7 | 16.1 |



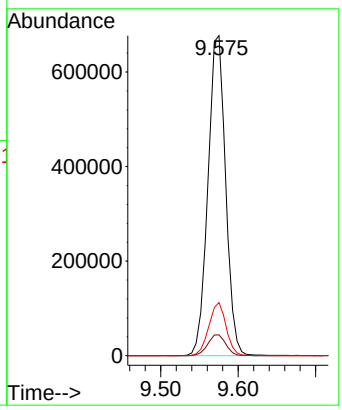


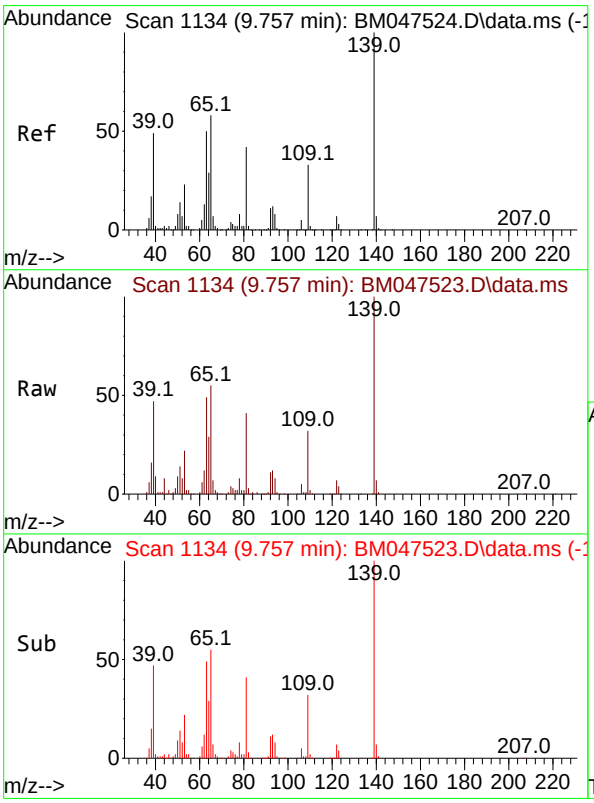

#25
Isophorone
Concen: 20.077 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 1076607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.5 | 5.4 | 8.0 |
| 138 | 16.6 | 12.9 | 19.3 |

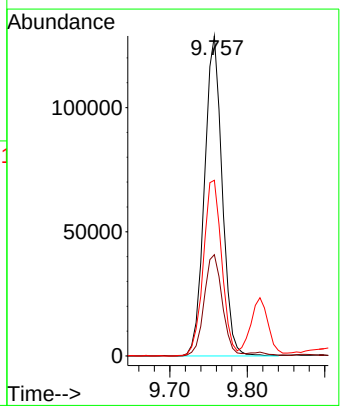


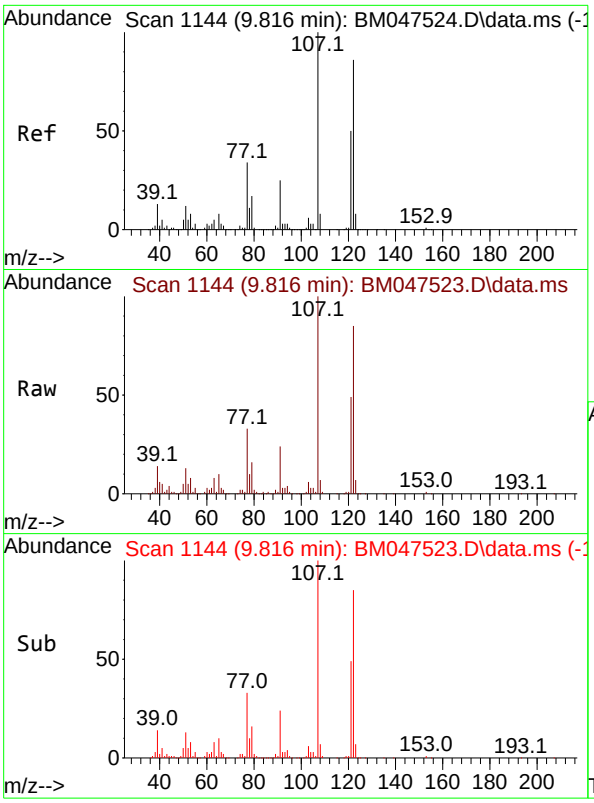




#26
2-Nitrophenol
Concen: 19.084 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:139 Resp: 203827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.7 | 26.0 | 39.0 |
| 65 | 54.9 | 46.2 | 69.4 |



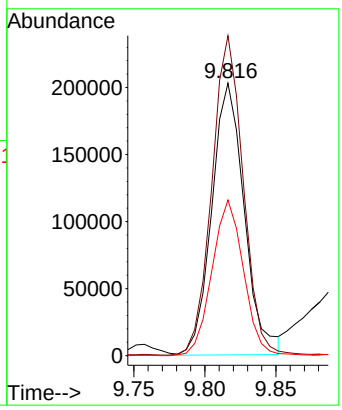


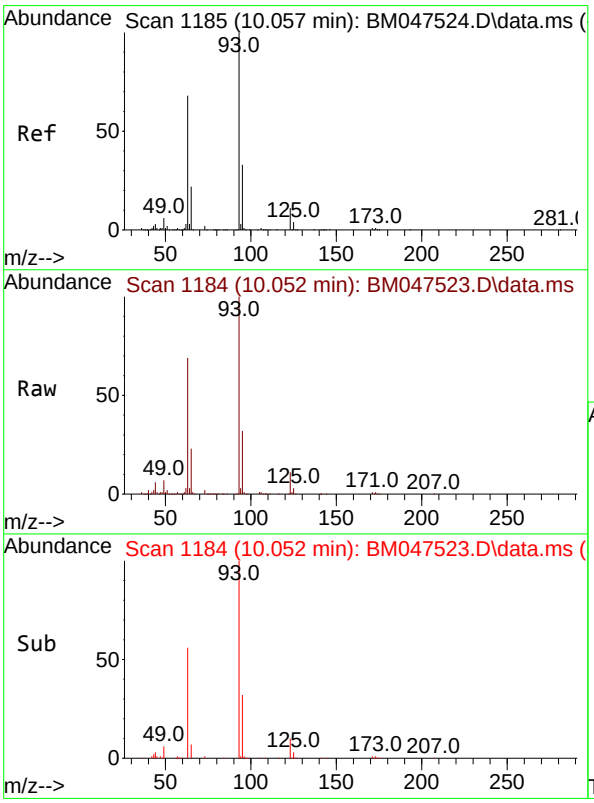

#27
2,4-Dimethylphenol
Concen: 19.915 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:122 Resp: 322430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.4 | 92.4 | 138.6 |
| 121 | 57.1 | 46.2 | 69.4 |

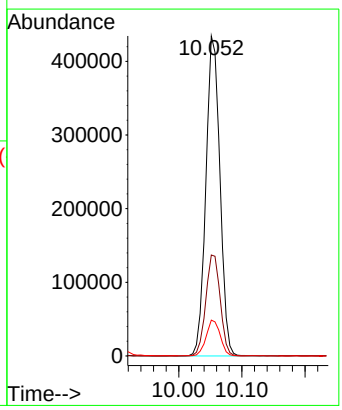


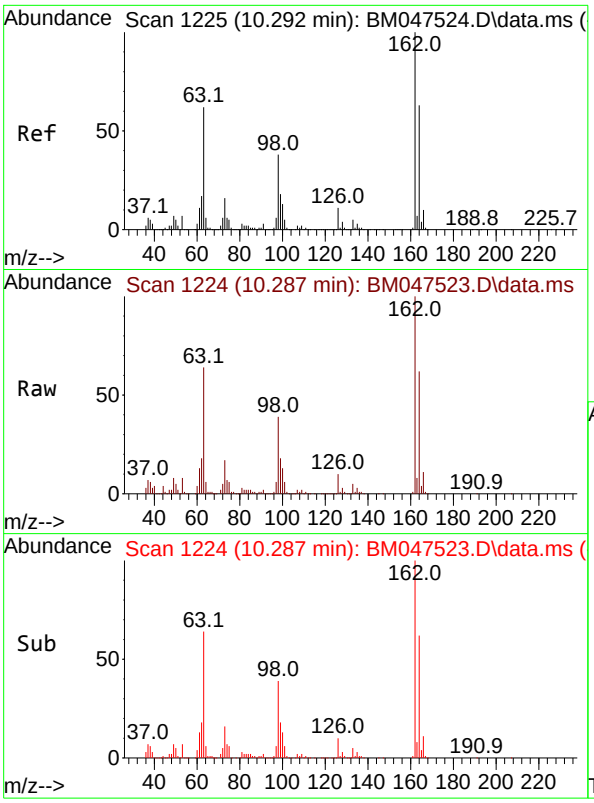




#28
bis(2-Chloroethoxy)methane
Concen: 20.008 ng
RT: 10.052 min Scan# 1184
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 93 Resp: 673940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.5 | 26.2 | 39.2 |
| 123 | 11.2 | 9.2 | 13.8 |



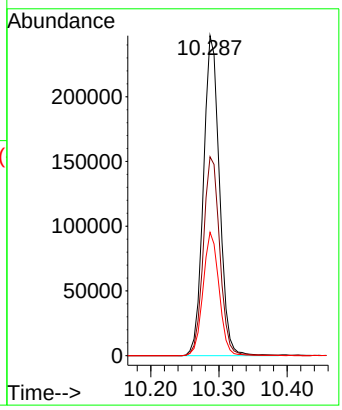


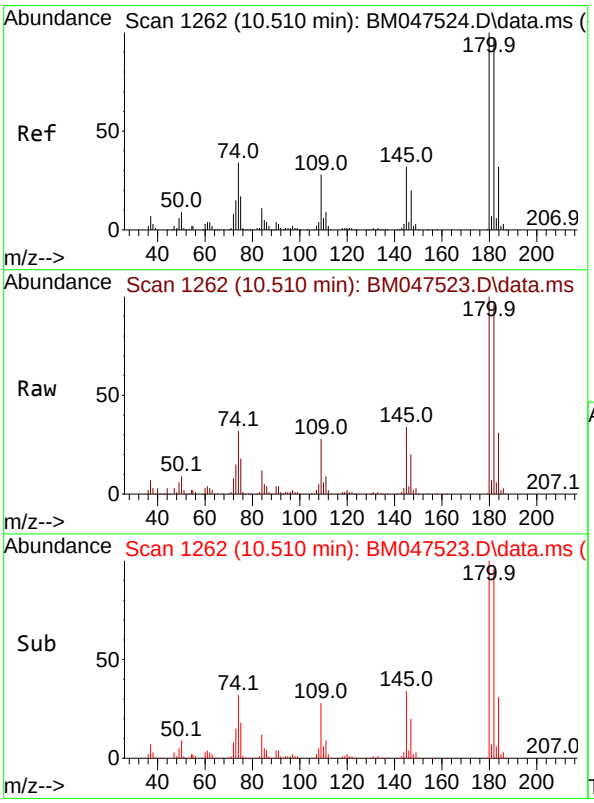

#29
2,4-Dichlorophenol
Concen: 19.708 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 405385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.1 | 43.5 | 83.5 |
| 98 | 38.6 | 17.6 | 57.6 |

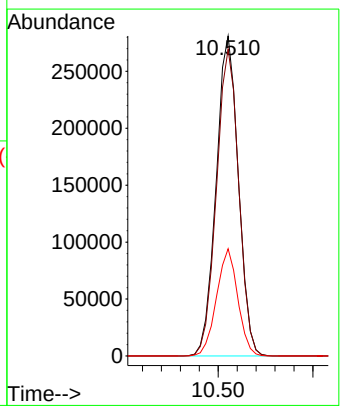


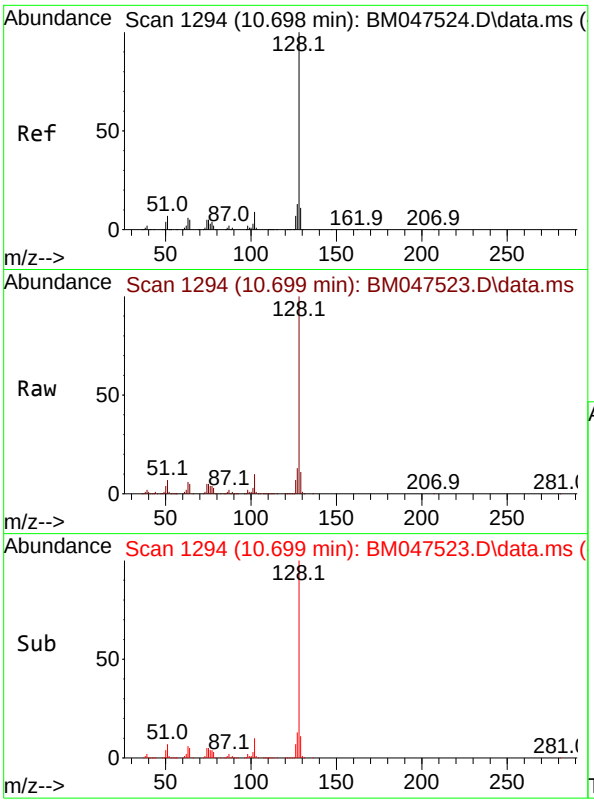




#30
1,2,4-Trichlorobenzene
Concen: 19.461 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:180 Resp: 458554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 77.6 | 116.4 |
| 145 | 33.5 | 25.4 | 38.0 |



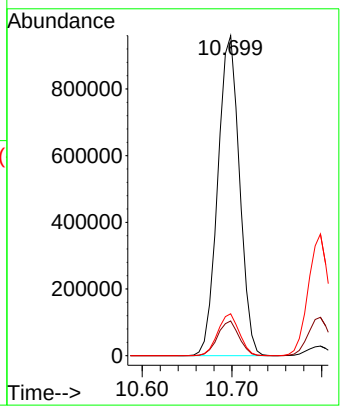


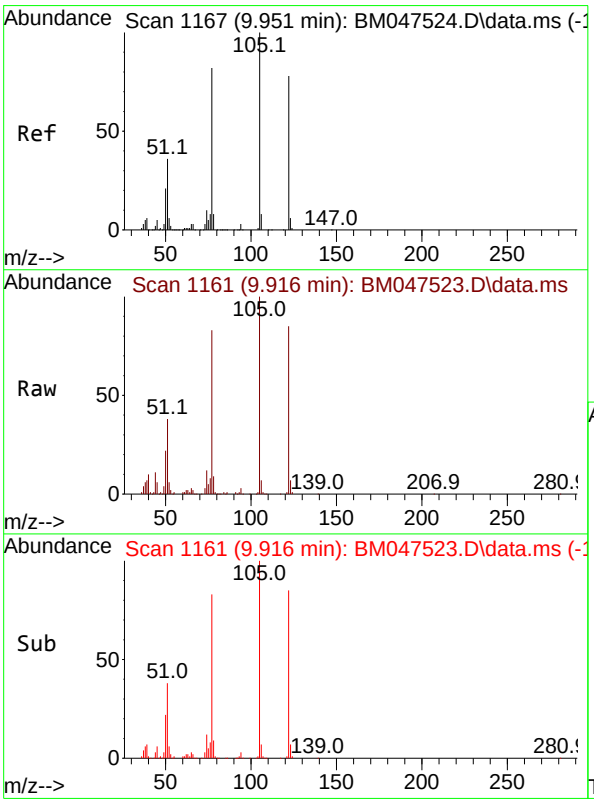

#31
Naphthalene
Concen: 19.555 ng
RT: 10.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:128 Resp: 1612176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.1 | 10.5 | 15.7 |

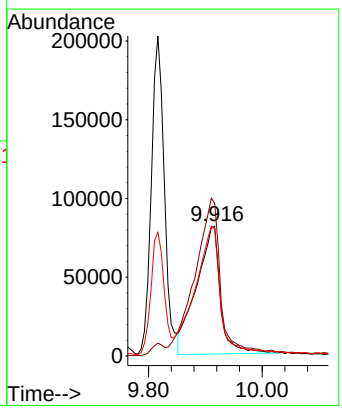


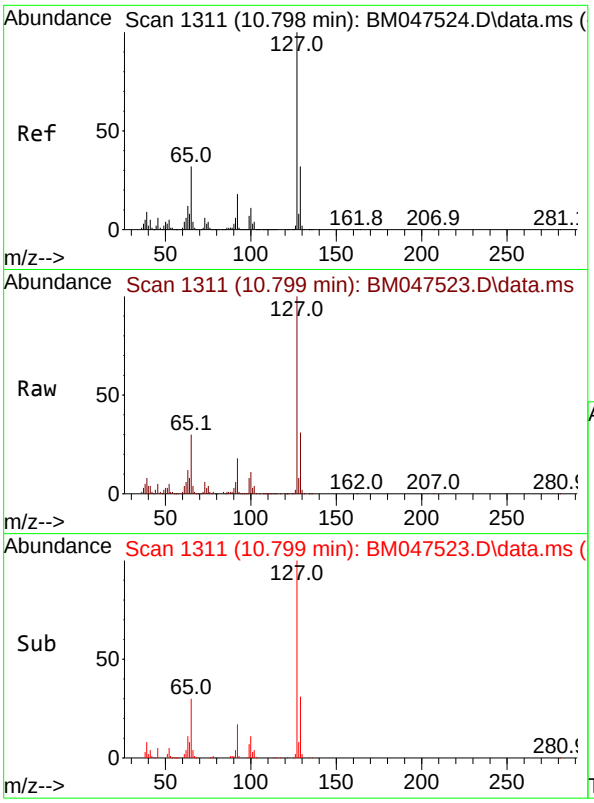




#32
Benzoic acid
Concen: 19.433 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.035 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:122 Resp: 237561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 117.6 | 104.7 | 144.7 |
| 77 | 97.7 | 83.4 | 123.4 |



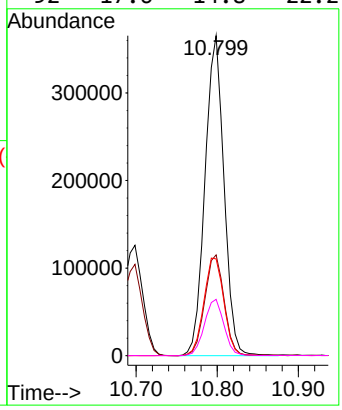


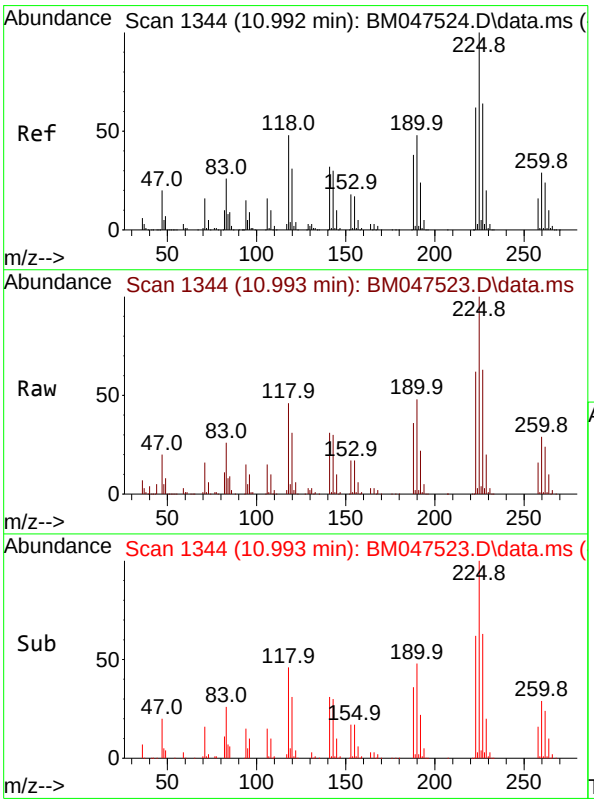

#33
4-Chloroaniline
Concen: 19.915 ng
RT: 10.799 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:127 Resp: 593631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.5 | 25.4 | 38.0 |
| 65 | 30.3 | 25.5 | 38.3 |
| 92 | 17.6 | 14.8 | 22.2 |

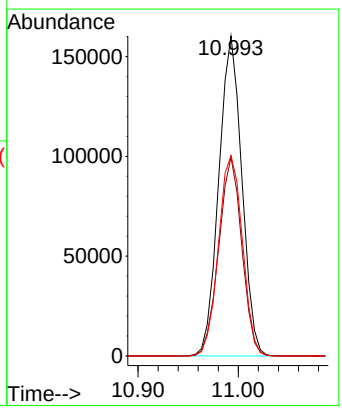


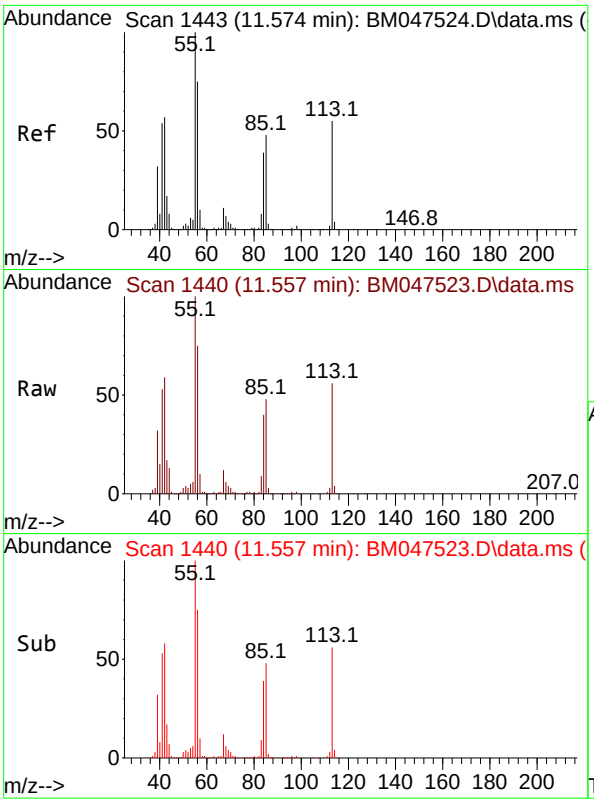




#34
Hexachlorobutadiene
Concen: 19.528 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:225 Resp: 254856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.8 | 74.6 |
| 227 | 62.6 | 51.0 | 76.4 |



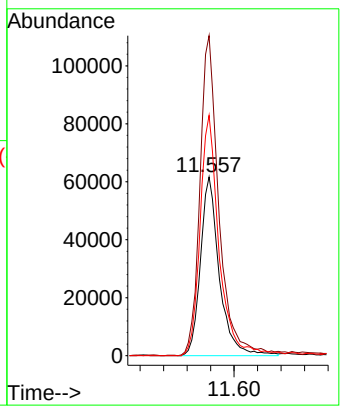


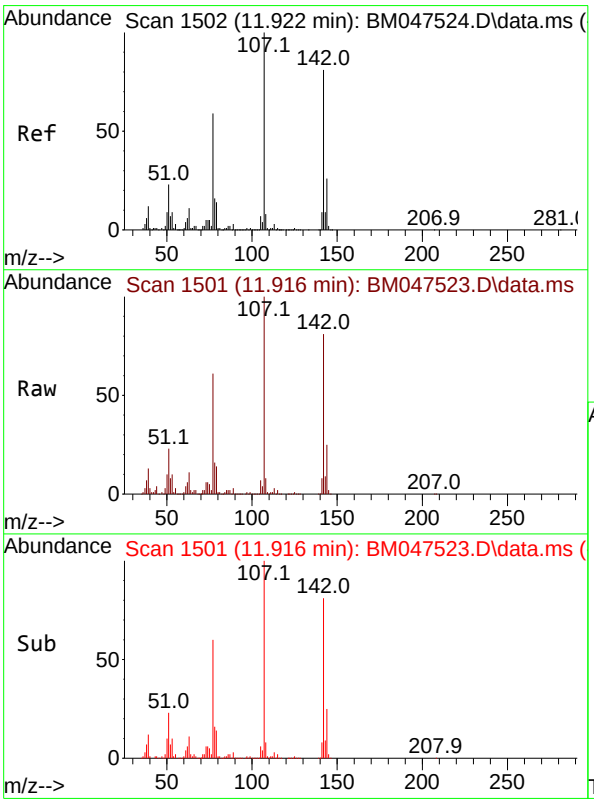

#35
Caprolactam
Concen: 20.236 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.017 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:113 Resp: 137114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 179.0 | 162.5 | 202.5 |
| 56 | 134.4 | 116.5 | 156.5 |

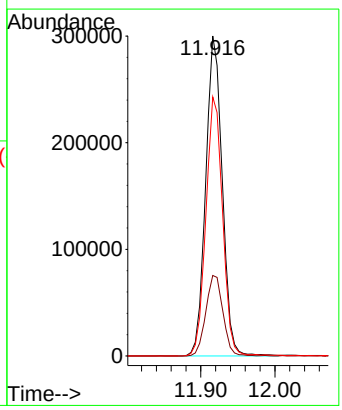


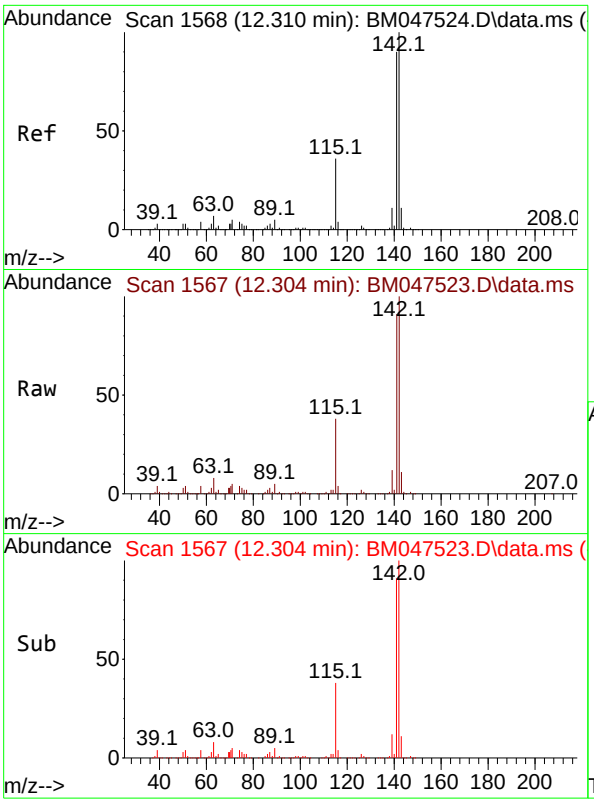




#36
4-Chloro-3-methylphenol
Concen: 19.761 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:107 Resp: 465828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.2 | 20.5 | 30.7 |
| 142 | 81.0 | 65.0 | 97.4 |



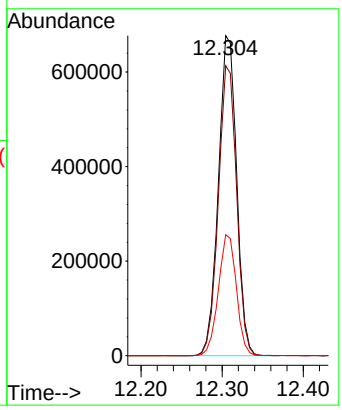


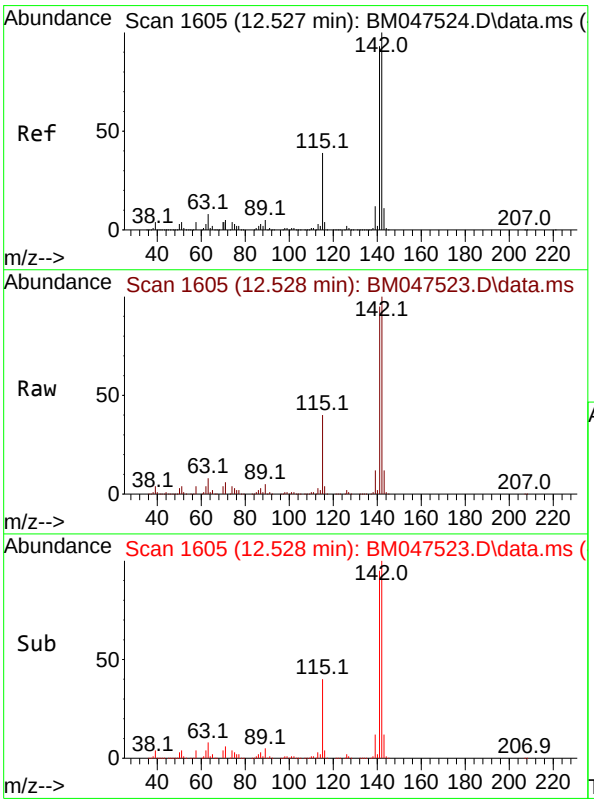

#37
2-Methylnaphthalene
Concen: 19.285 ng
RT: 12.304 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:142 Resp: 1058175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 72.2 | 108.4 |
| 115 | 37.8 | 29.1 | 43.7 |

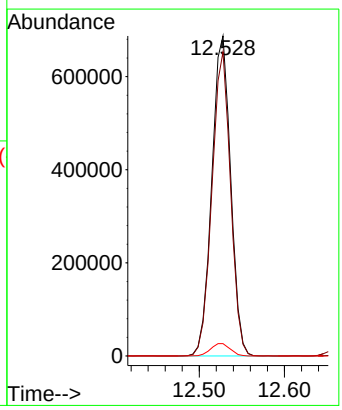


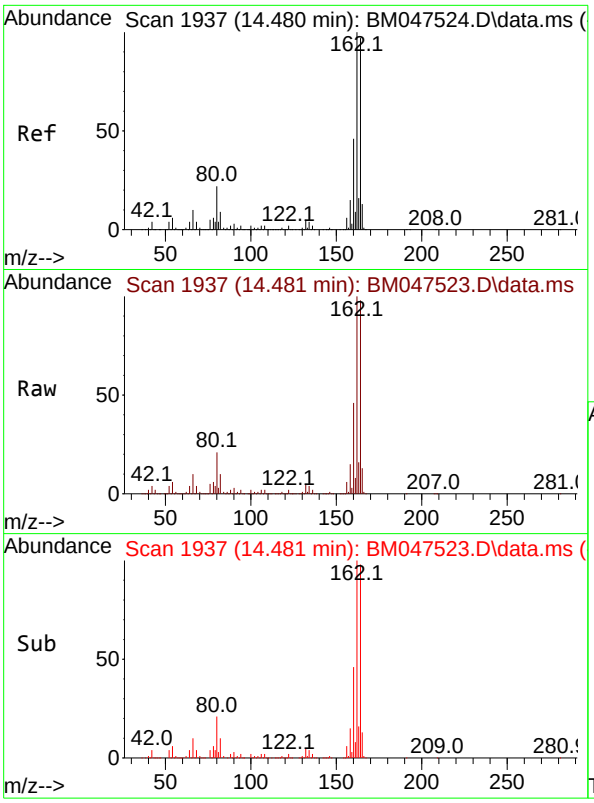




#38
1-Methylnaphthalene
Concen: 19.431 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:142 Resp: 1059589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 95.1 | 74.7 | 112.1 |
| 116 | 3.9 | 3.2 | 4.8 |



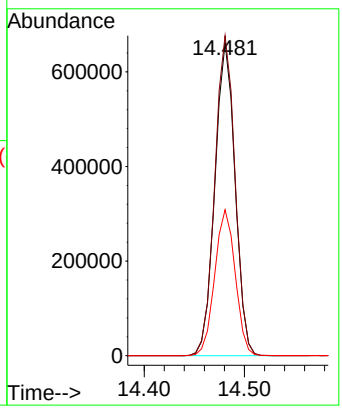


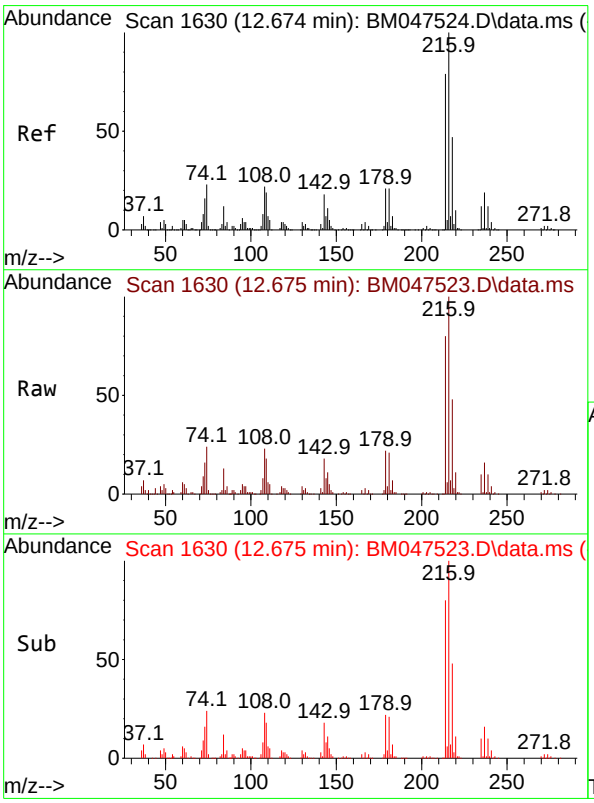

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:164 Resp: 923702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 82.2 | 123.2 |
| 160 | 46.7 | 38.2 | 57.2 |

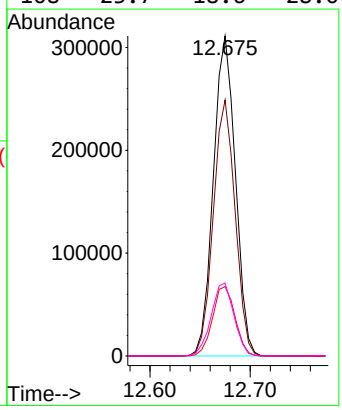


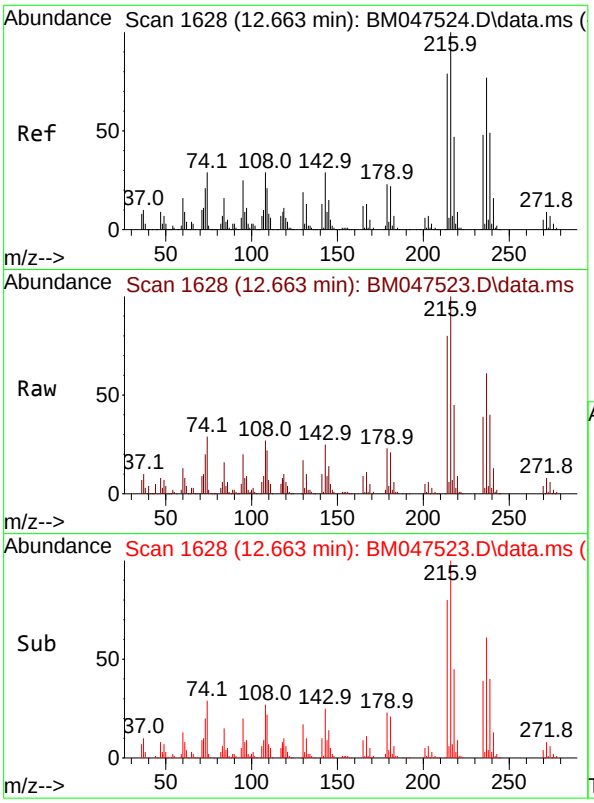




#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.989 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:216 Resp: 474619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.0 | 94.6 |
| 179 | 22.1 | 17.5 | 26.3 |
| 108 | 23.7 | 18.6 | 28.0 |



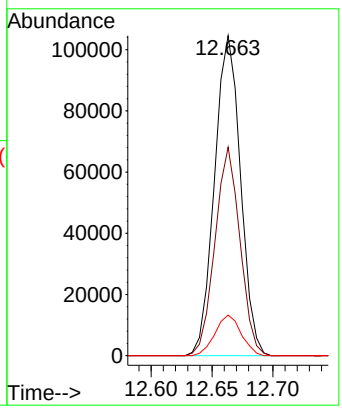


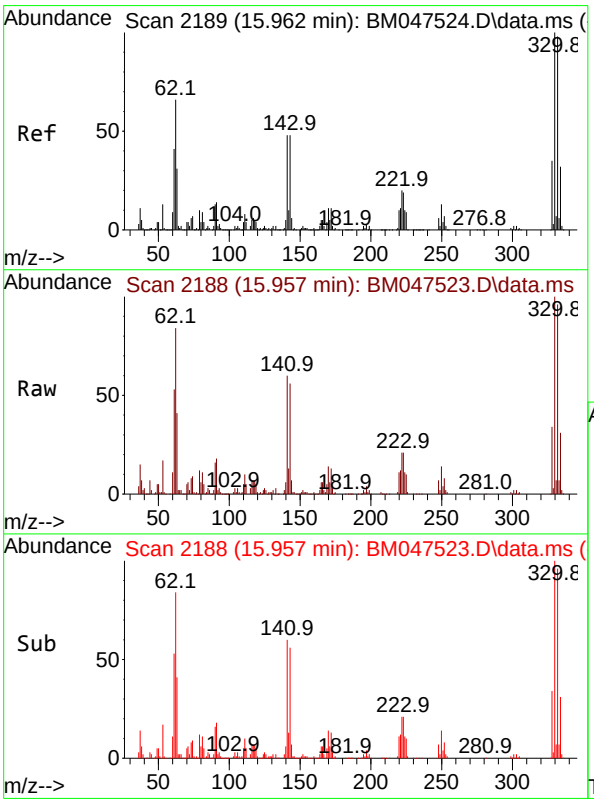

#41
Hexachlorocyclopentadiene
Concen: 19.005 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:237 Resp: 155288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 65.1 | 42.0 | 82.0 |
| 272 | 12.7 | 0.0 | 31.5 |

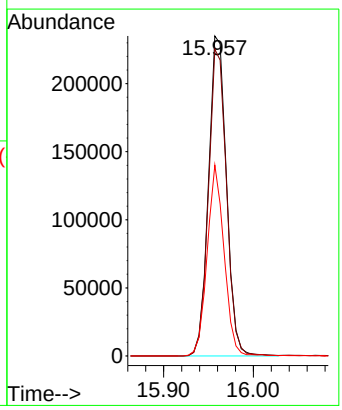


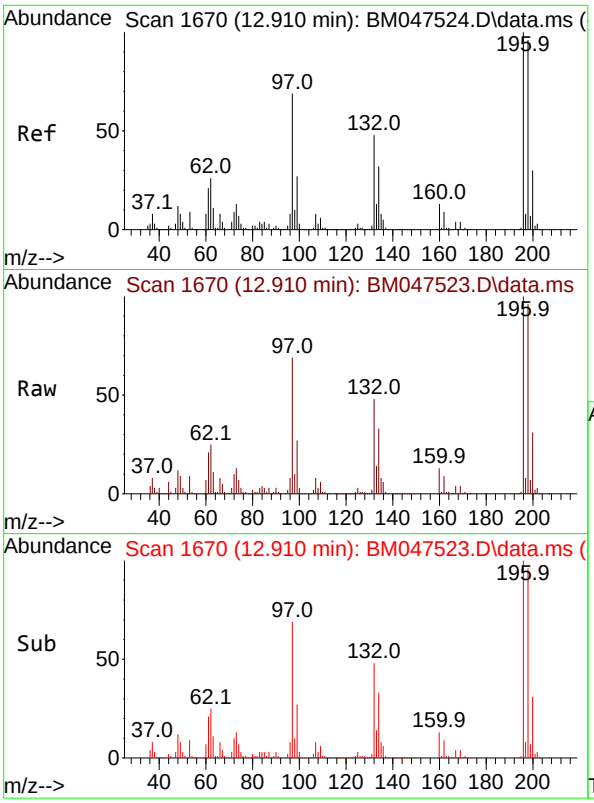




#42
2,4,6-Tribromophenol
Concen: 36.672 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:330 Resp: 327422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.9 | 115.3 |
| 141 | 56.2 | 42.2 | 63.2 |



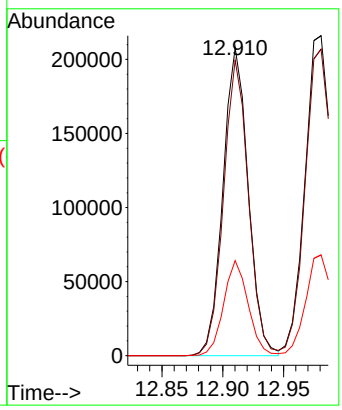


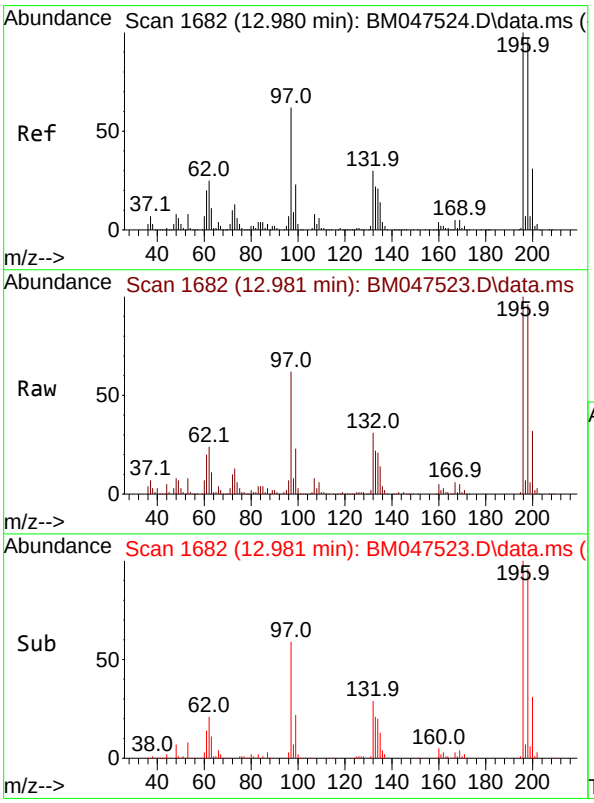

#43
2,4,6-Trichlorophenol
Concen: 19.191 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:196 Resp: 300506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 76.9 | 115.3 |
| 200 | 30.9 | 24.3 | 36.5 |

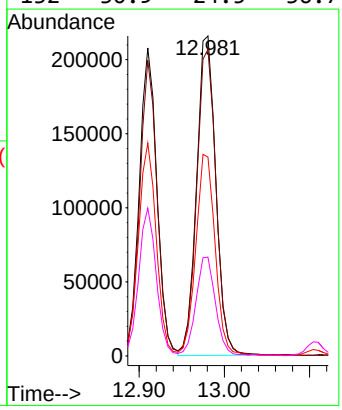


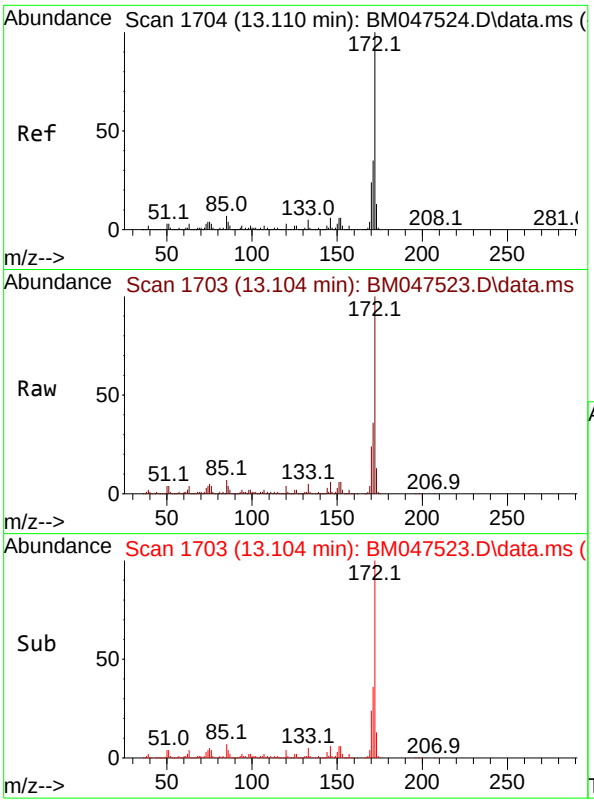




#44
2,4,5-Trichlorophenol
Concen: 19.144 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:196 Resp: 338597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 77.4 | 116.2 |
| 97 | 62.1 | 49.8 | 74.8 |
| 132 | 30.9 | 24.5 | 36.7 |



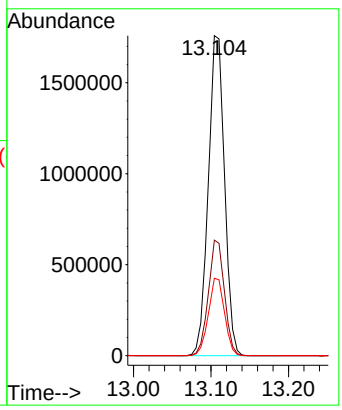


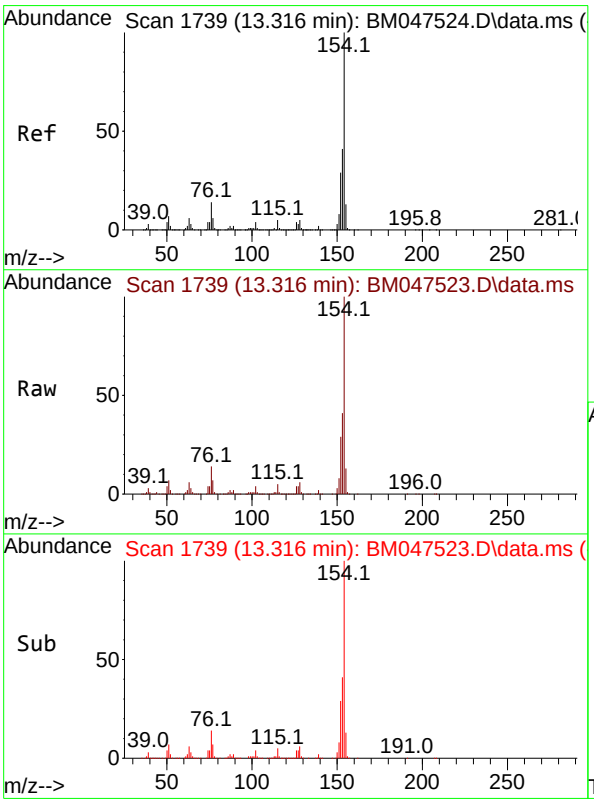

#45
2-Fluorobiphenyl
Concen: 38.163 ng
RT: 13.104 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:172 Resp: 2559019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.2 | 42.2 |
| 170 | 24.2 | 19.4 | 29.0 |

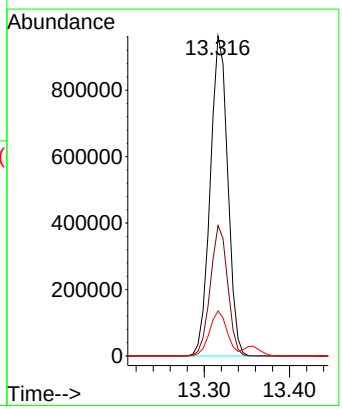


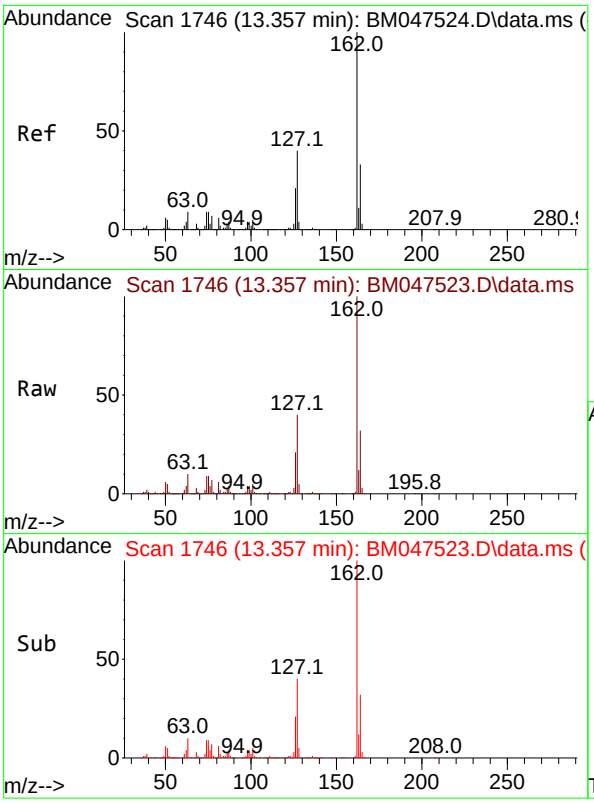




#46
1,1'-Biphenyl
Concen: 19.152 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:154 Resp: 1376433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 20.6 | 60.6 |
| 76 | 14.1 | 0.0 | 33.9 |



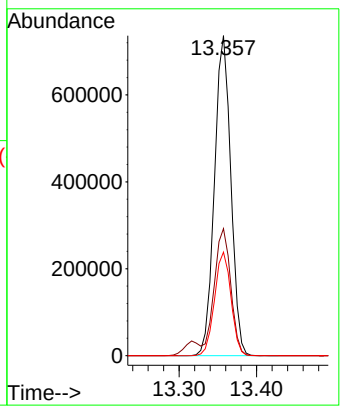


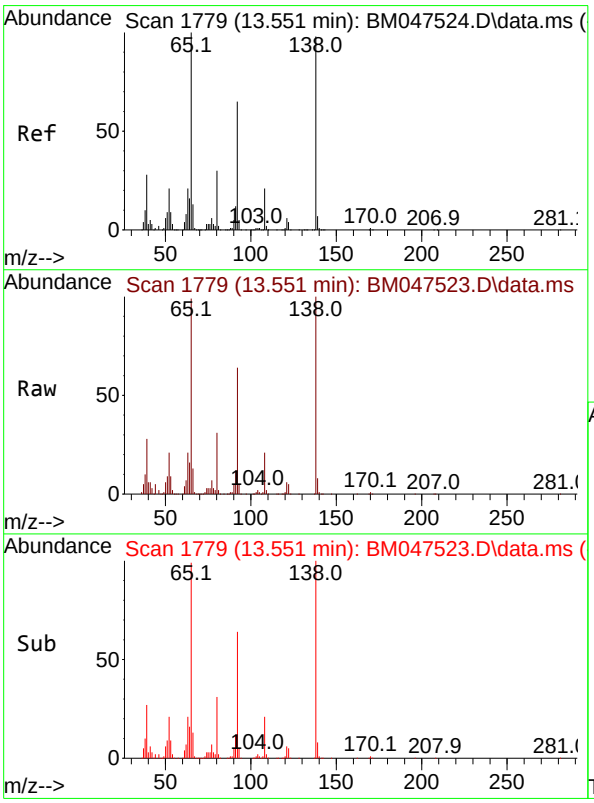

#47
2-Chloronaphthalene
Concen: 19.344 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 1079485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.7 | 32.2 | 48.4 |
| 164 | 32.4 | 26.3 | 39.5 |

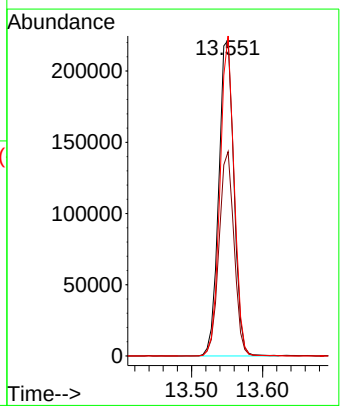


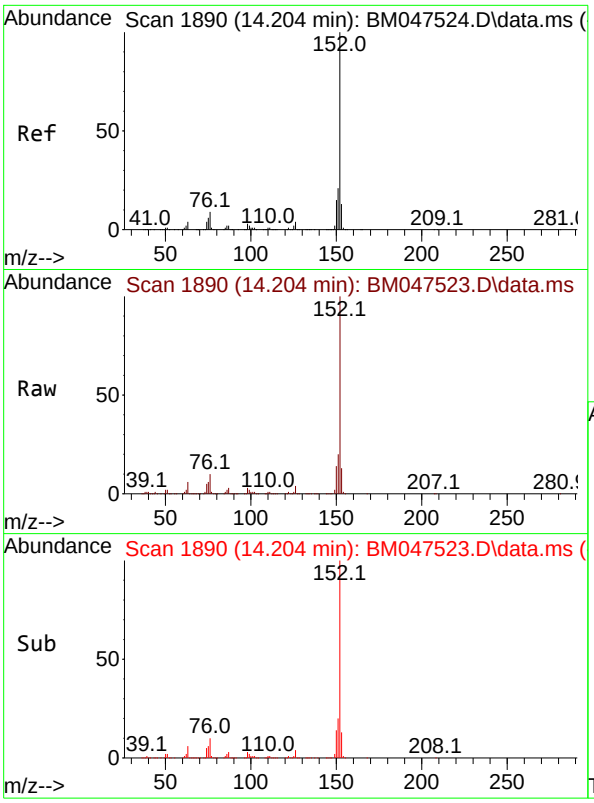




#48
2-Nitroaniline
Concen: 19.988 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion: 65 Resp: 327621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.7 | 51.9 | 77.9 |
| 138 | 101.4 | 78.5 | 117.7 |



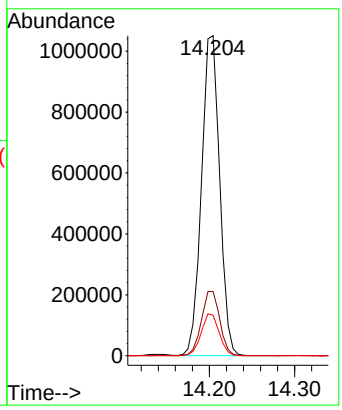


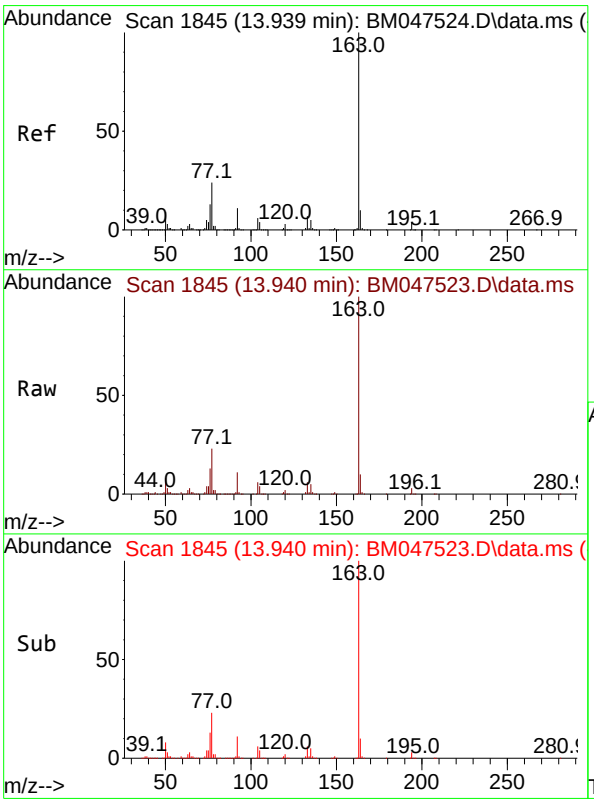

#49
Acenaphthylene
Concen: 19.293 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 1553646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.5 | 24.7 |
| 153 | 12.6 | 10.4 | 15.6 |

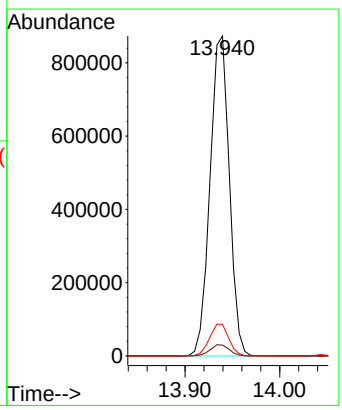


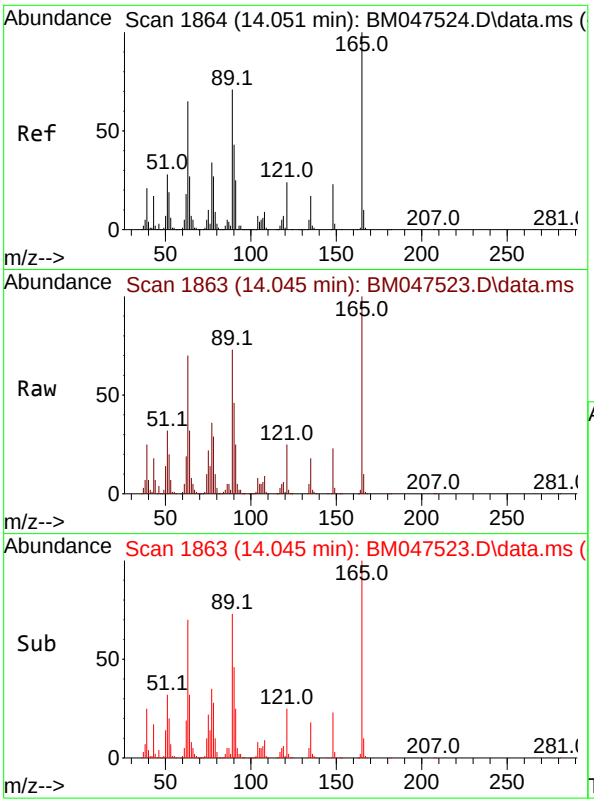




#50
Dimethylphthalate
Concen: 19.601 ng
RT: 13.940 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:163 Resp: 1234071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.9 | 4.3 |
| 164 | 9.9 | 7.9 | 11.9 |



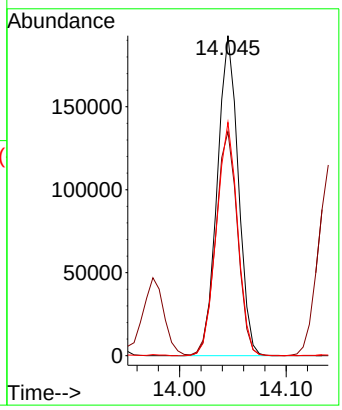


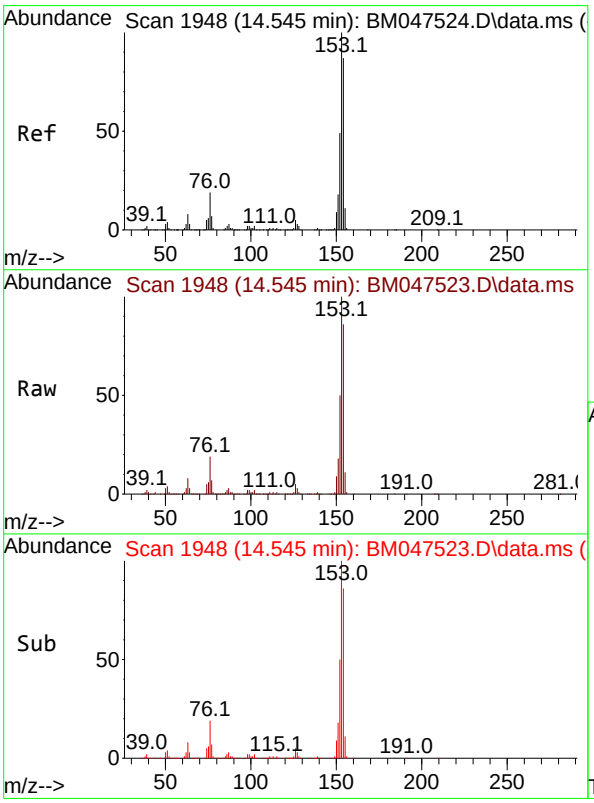

#51
2,6-Dinitrotoluene
Concen: 19.825 ng
RT: 14.045 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 263492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 70.1 | 54.2 | 81.2 |
| 89 | 72.9 | 56.4 | 84.6 |

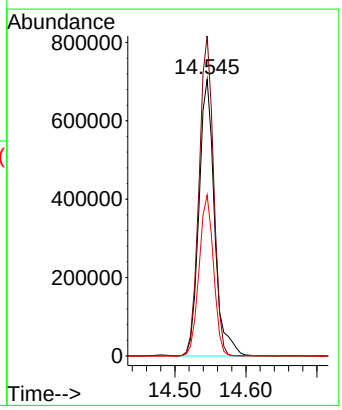


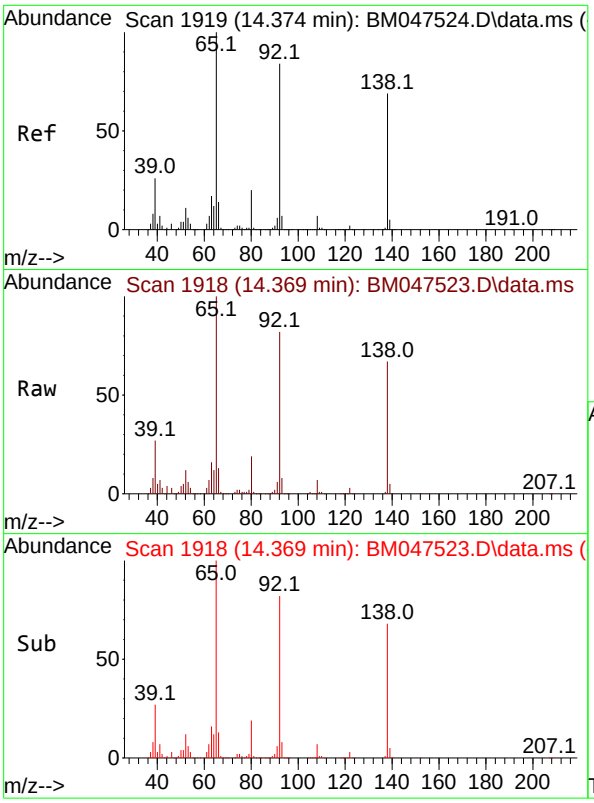




#52
Acenaphthene
Concen: 19.031 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:154 Resp: 1073800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.7 | 92.2 | 138.2 |
| 152 | 58.2 | 45.4 | 68.0 |



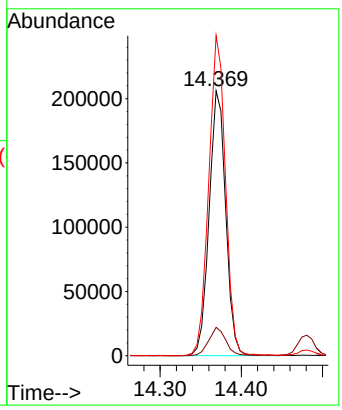


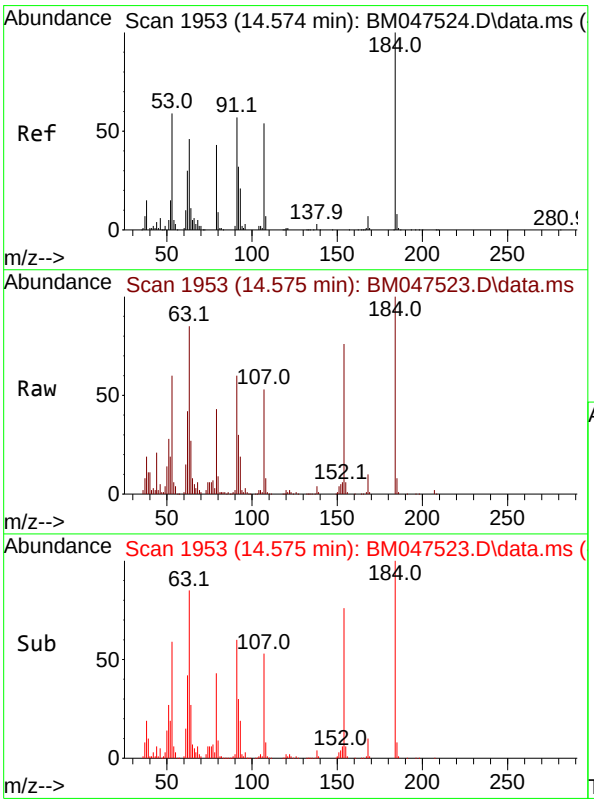

#53
3-Nitroaniline
Concen: 19.730 ng
RT: 14.369 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:138 Resp: 291462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 8.0 | 12.0 |
| 92 | 120.9 | 97.4 | 146.0 |

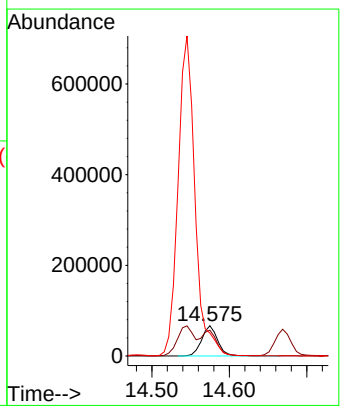


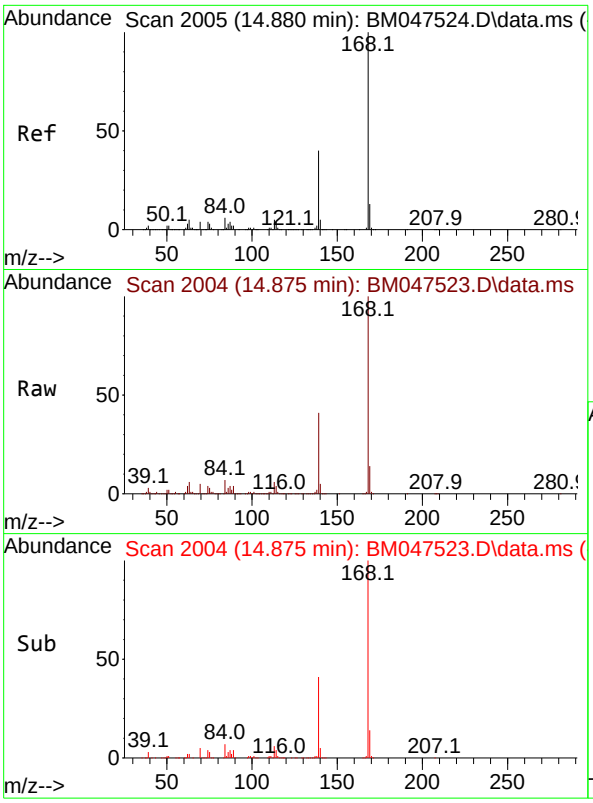




#54
2,4-Dinitrophenol
Concen: 20.092 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:184 Resp: 95439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 85.2 | 69.4 | 104.0 |
| 154 | 75.6 | 60.4 | 90.6 |



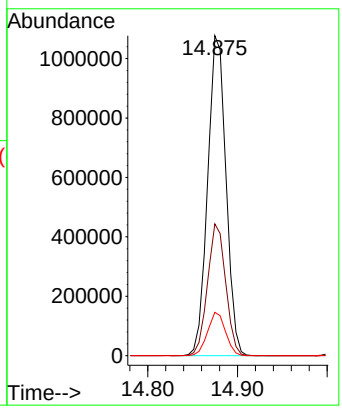


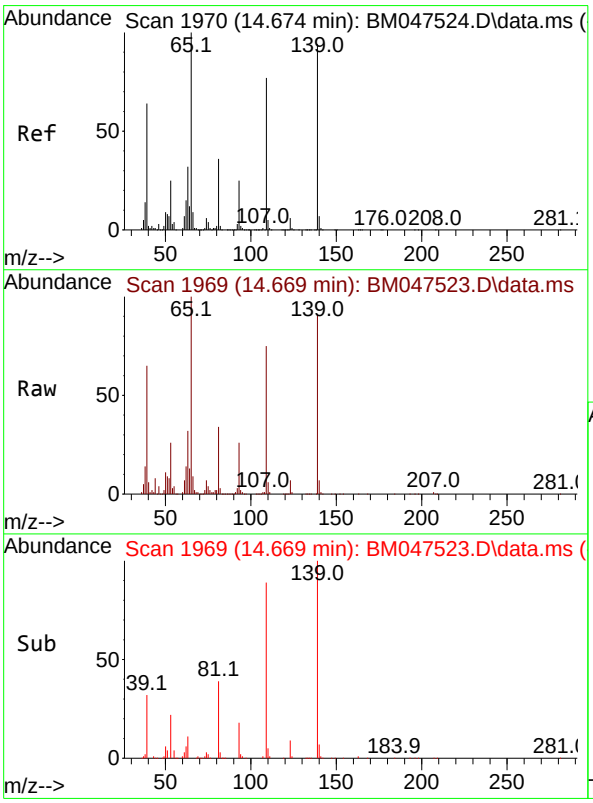

#55
Dibenzofuran
Concen: 19.279 ng
RT: 14.875 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:168 Resp: 1528665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.2 | 31.9 | 47.9 |
| 169 | 13.6 | 10.5 | 15.7 |

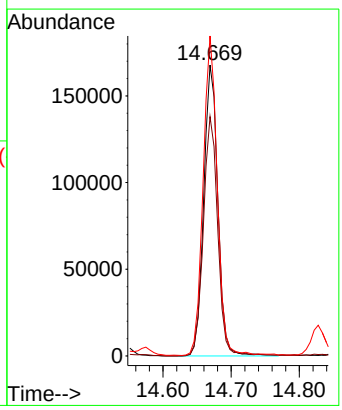


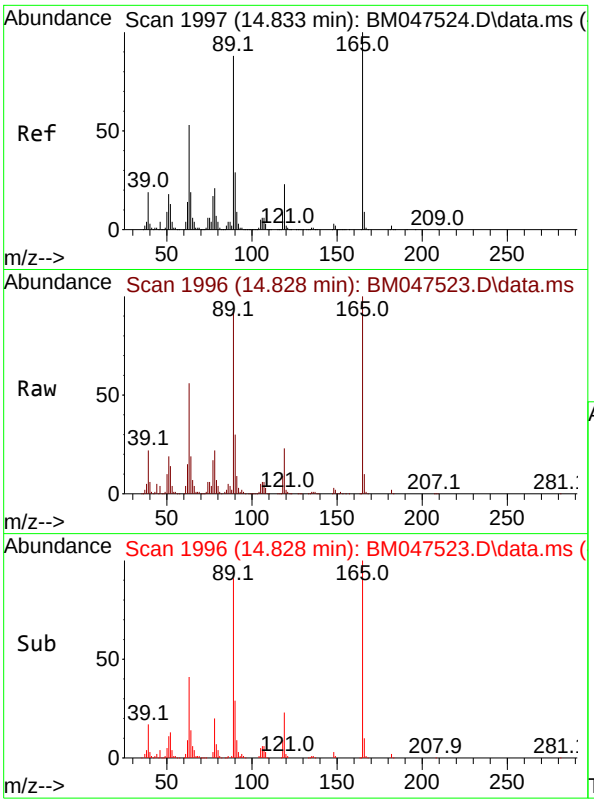




#56
4-Nitrophenol
Concen: 19.979 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:139 Resp: 242863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.3 | 62.0 | 102.0 |
| 65 | 110.0 | 87.0 | 127.0 |



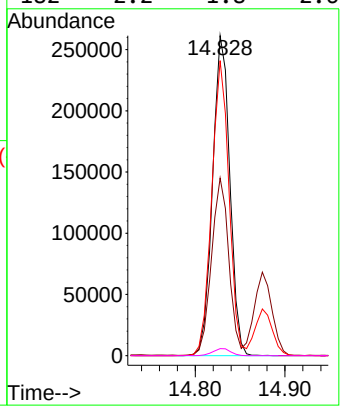


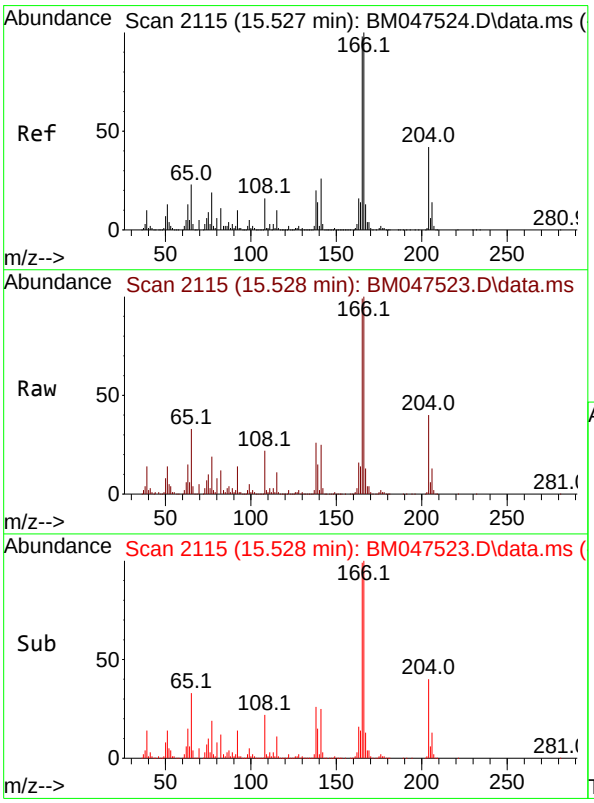

#57
2,4-Dinitrotoluene
Concen: 19.678 ng
RT: 14.828 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 348812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.5 | 42.4 | 63.6 |
| 89 | 92.2 | 70.5 | 105.7 |
| 182 | 2.2 | 1.8 | 2.6 |

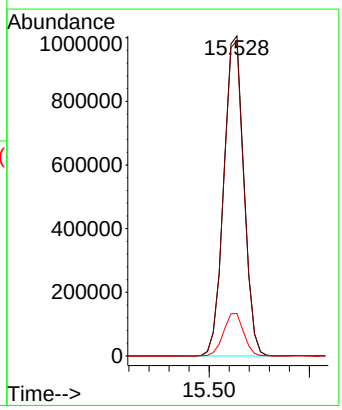


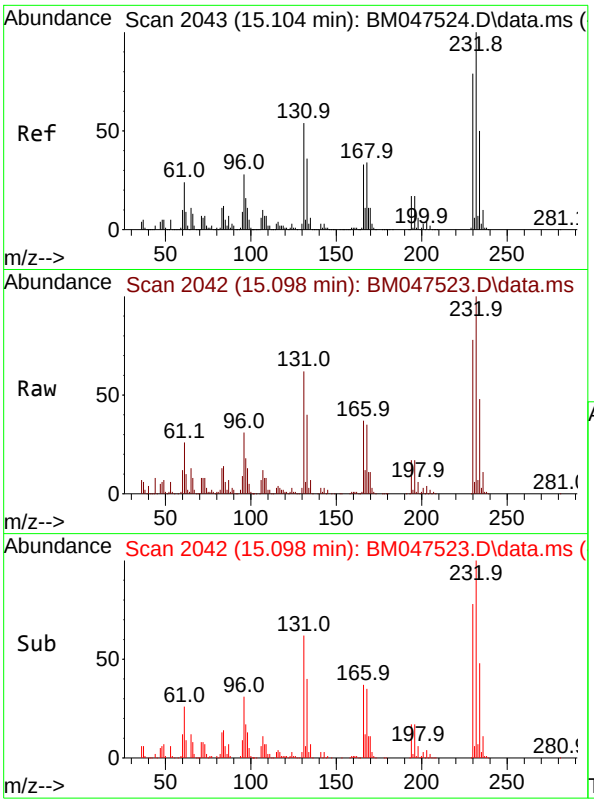




#58
Fluorene
Concen: 19.490 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:166 Resp: 1391341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 78.6 | 117.8 |
| 167 | 13.3 | 10.7 | 16.1 |



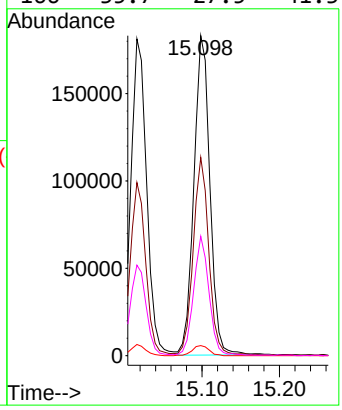


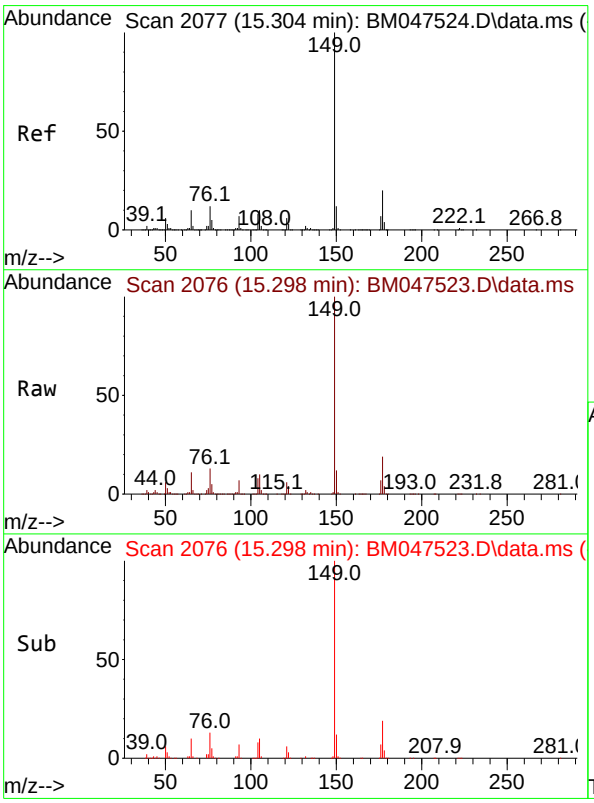

#59
2,3,4,6-Tetrachlorophenol
Concen: 19.048 ng
RT: 15.098 min Scan# 2(
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:232 Resp: 262673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 60.6 | 47.0 | 70.4 |
| 130 | 3.3 | 2.6 | 3.8 |
| 166 | 35.7 | 27.5 | 41.3 |

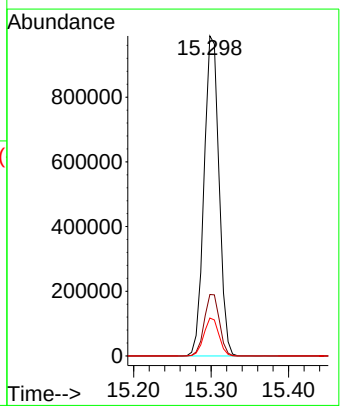


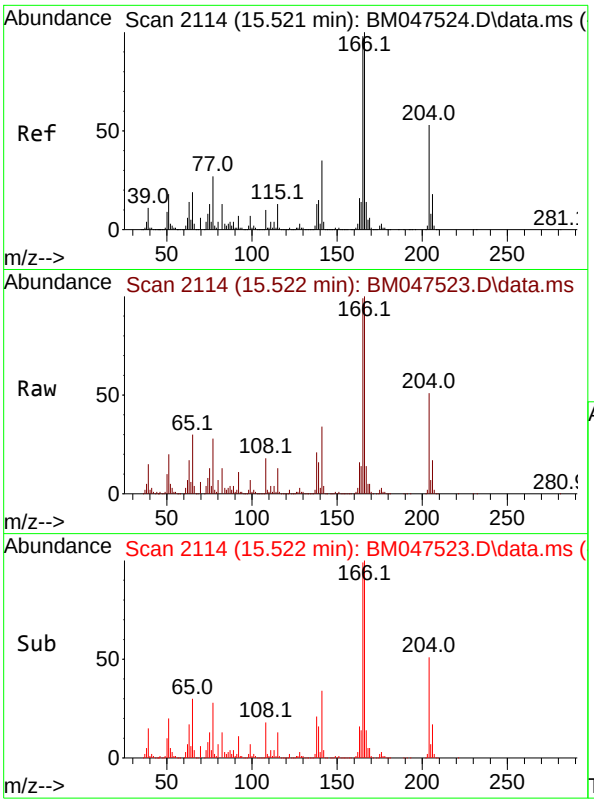




#60
Diethylphthalate
Concen: 19.779 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 1325288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.2 | 15.8 | 23.8 |
| 150 | 11.8 | 9.7 | 14.5 |



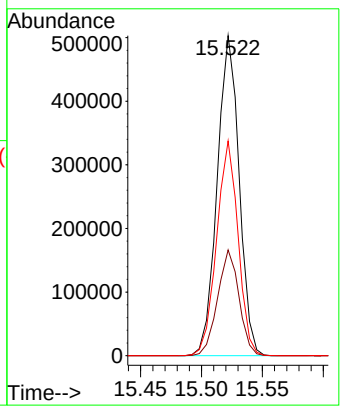


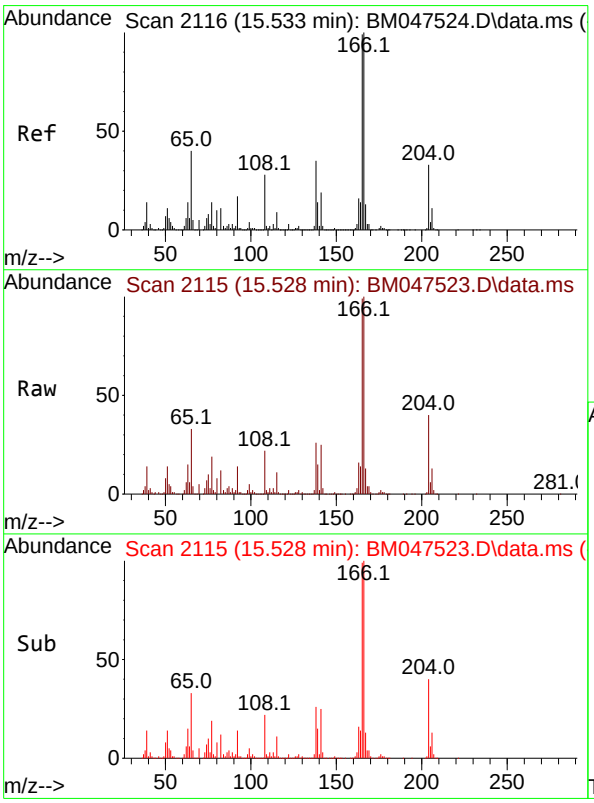

#61
4-Chlorophenyl-phenylether
Concen: 19.318 ng
RT: 15.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:204 Resp: 630563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.5 | 39.7 |
| 141 | 67.1 | 52.1 | 78.1 |

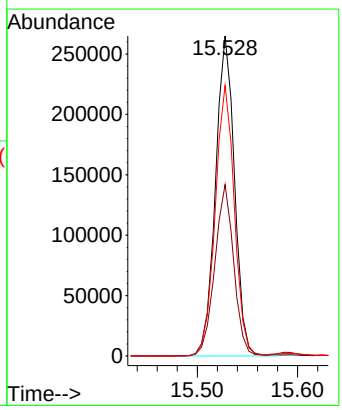


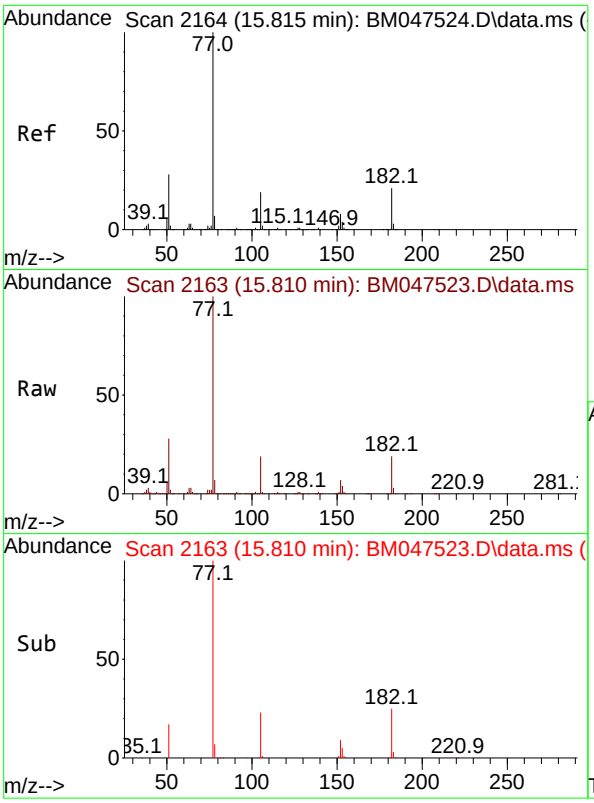




#62
4-Nitroaniline
Concen: 20.055 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:138 Resp: 348254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.6 | 30.0 | 70.0 |
| 108 | 84.5 | 61.7 | 101.7 |



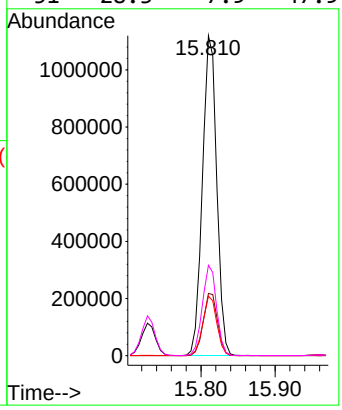


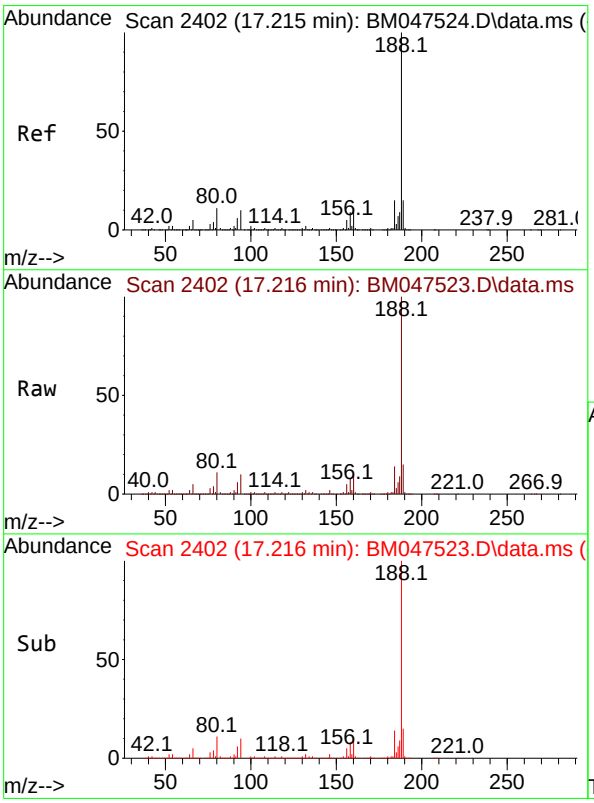

#63
Azobenzene
Concen: 20.288 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 1496804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 19.4 | 1.2 | 41.2 |
| 105 | 18.6 | 0.0 | 39.4 |
| 51 | 28.3 | 7.9 | 47.9 |

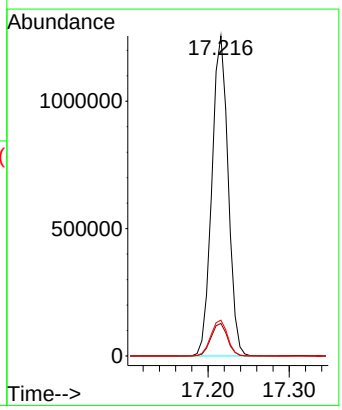


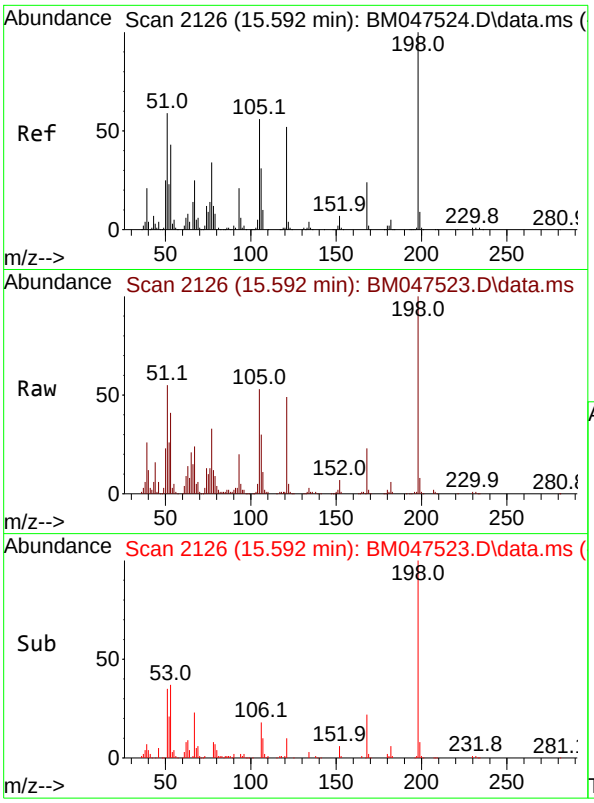




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:188 Resp: 1751897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.4 | 12.6 |
| 80 | 11.2 | 9.1 | 13.7 |



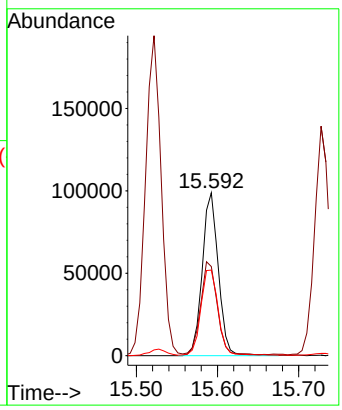


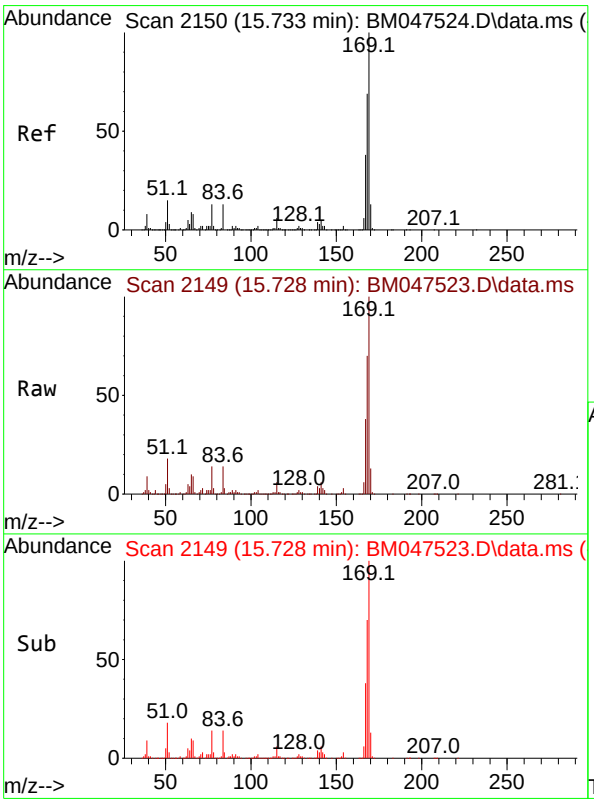

#65
4,6-Dinitro-2-methylphenol
Concen: 20.104 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:198 Resp: 135667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 54.7 | 41.5 | 81.5 |
| 105 | 52.5 | 36.4 | 76.4 |

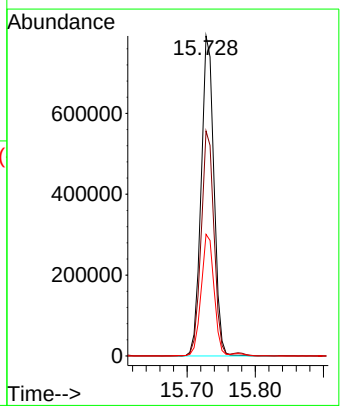


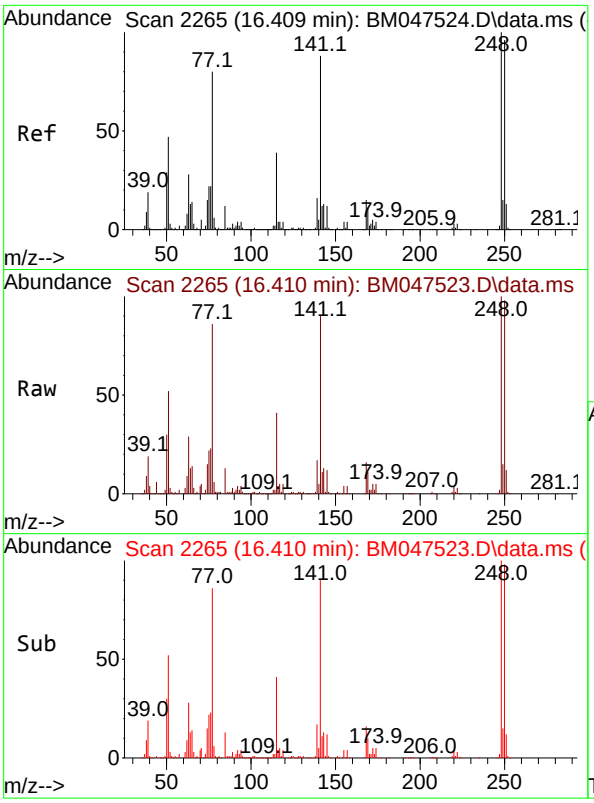




#66
n-Nitrosodiphenylamine
Concen: 19.283 ng
RT: 15.728 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:169 Resp: 1033465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 70.3 | 55.3 | 82.9 |
| 167 | 38.0 | 30.5 | 45.7 |



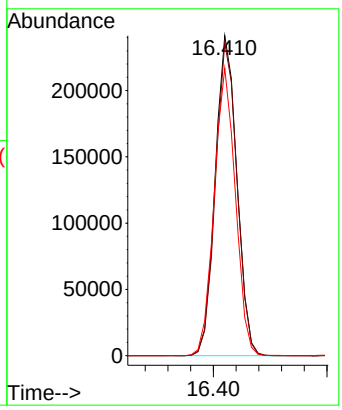


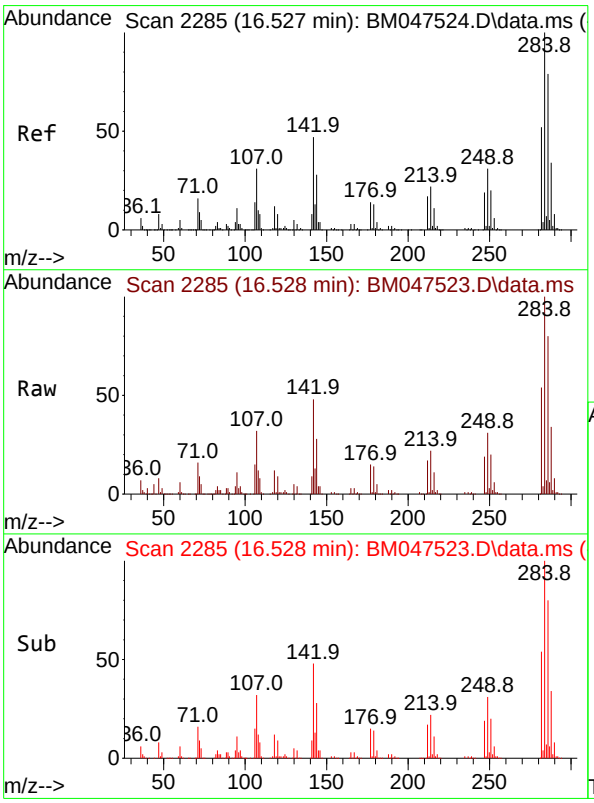

#67
4-Bromophenyl-phenylether
Concen: 18.807 ng
RT: 16.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:248 Resp: 320141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 76.9 | 115.3 |
| 141 | 89.8 | 70.8 | 106.2 |

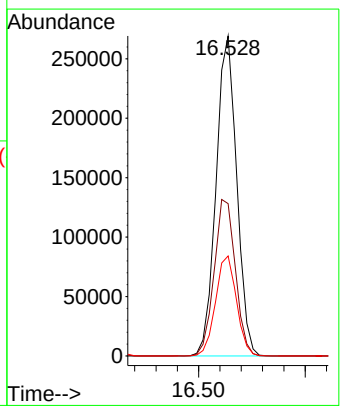


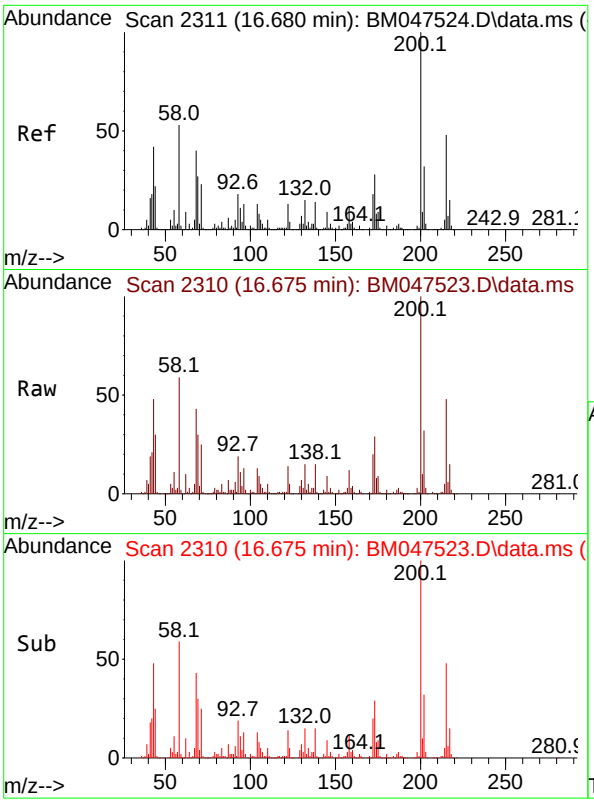




#68
Hexachlorobenzene
Concen: 18.759 ng
RT: 16.528 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:284 Resp: 361746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 47.6 | 37.3 | 55.9 |
| 249 | 31.2 | 24.5 | 36.7 |



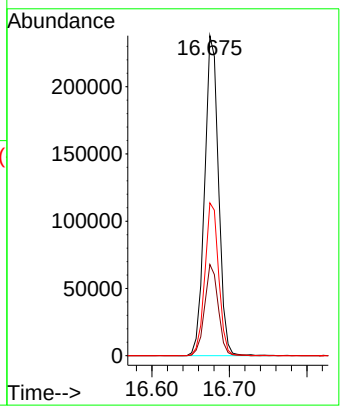


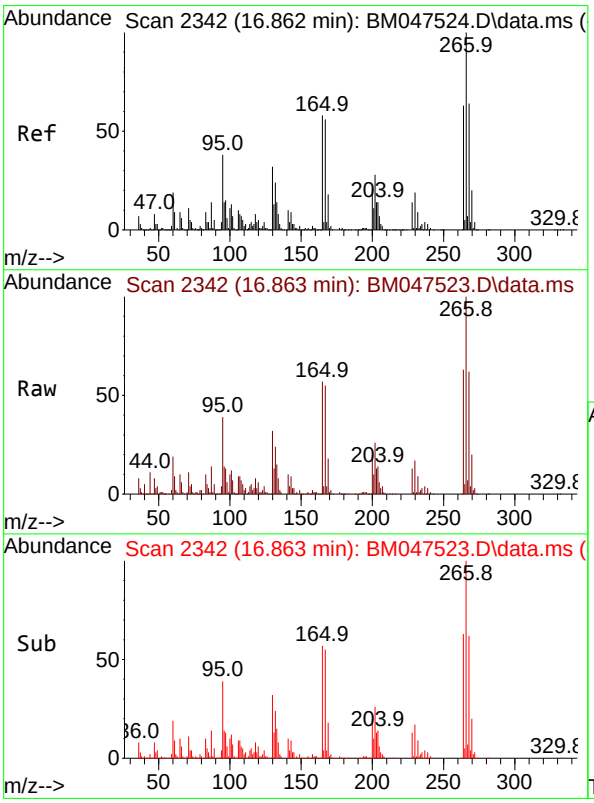

#69
Atrazine
Concen: 19.952 ng
RT: 16.675 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:200 Resp: 295545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.5 | 7.7 | 47.7 |
| 215 | 47.7 | 27.9 | 67.9 |

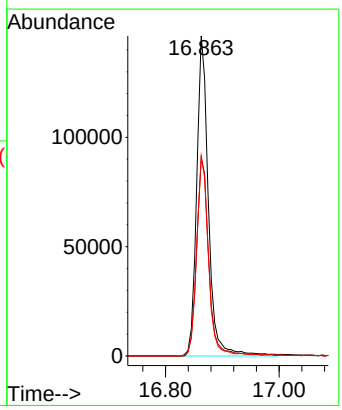


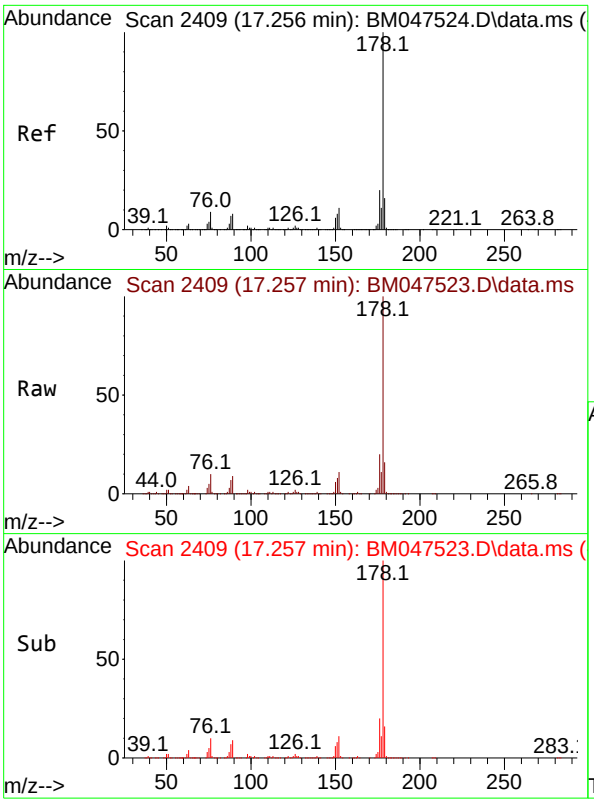




#70
Pentachlorophenol
Concen: 18.928 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:266 Resp: 211585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.7 | 51.0 | 76.4 |
| 264 | 62.6 | 50.4 | 75.6 |



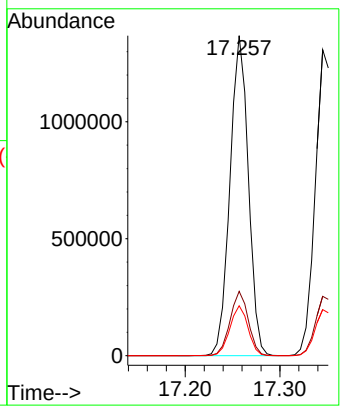


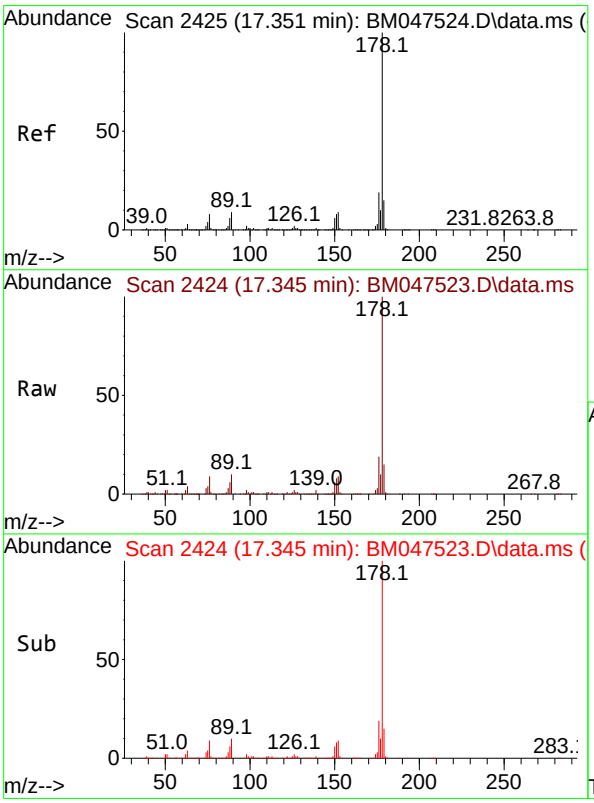

#71
Phenanthrene
Concen: 19.123 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:178 Resp: 1846292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.0 | 24.0 |
| 179 | 15.6 | 12.4 | 18.6 |

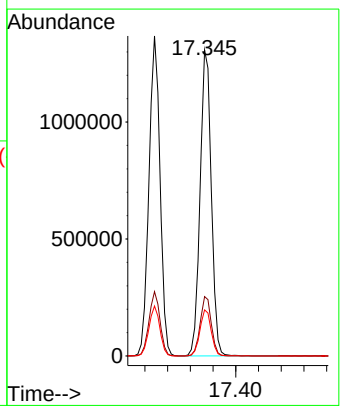


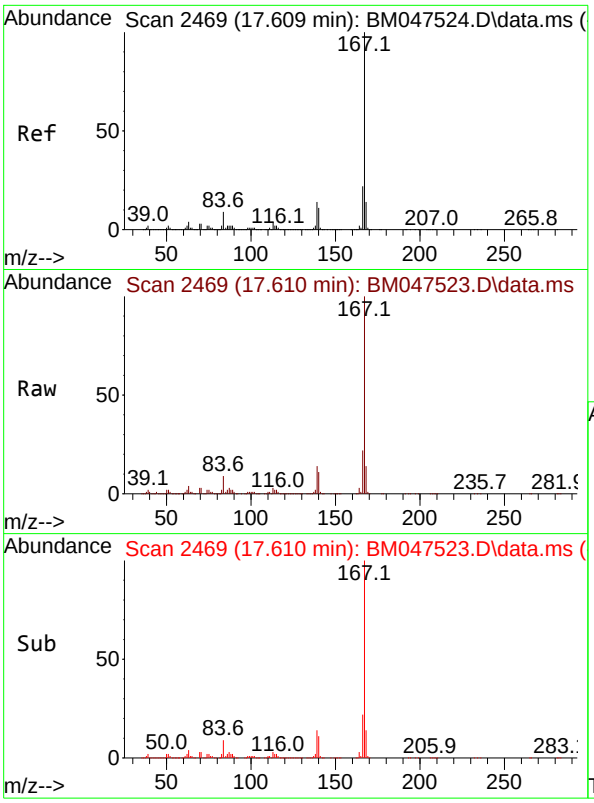




#72
Anthracene
Concen: 19.289 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:178 Resp: 1789228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.1 | 12.3 | 18.5 |



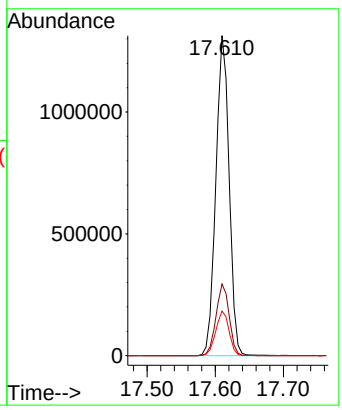


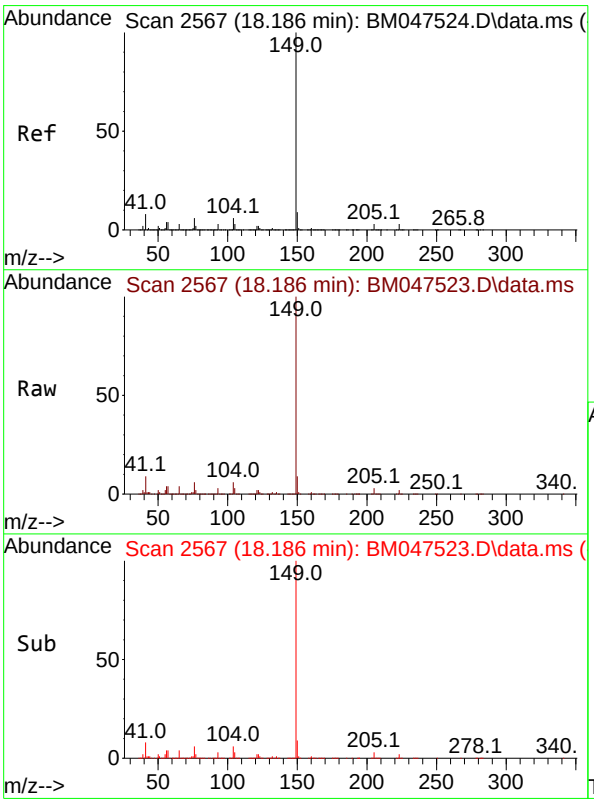

#73
Carbazole
Concen: 19.343 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:167 Resp: 1778076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.4 | 17.8 | 26.8 |
| 139 | 14.0 | 11.0 | 16.6 |

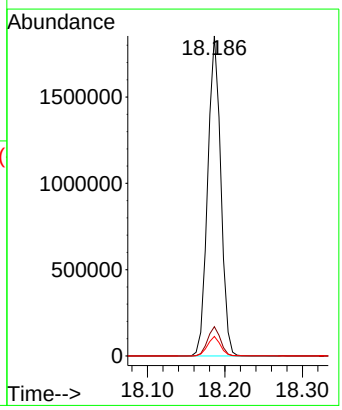


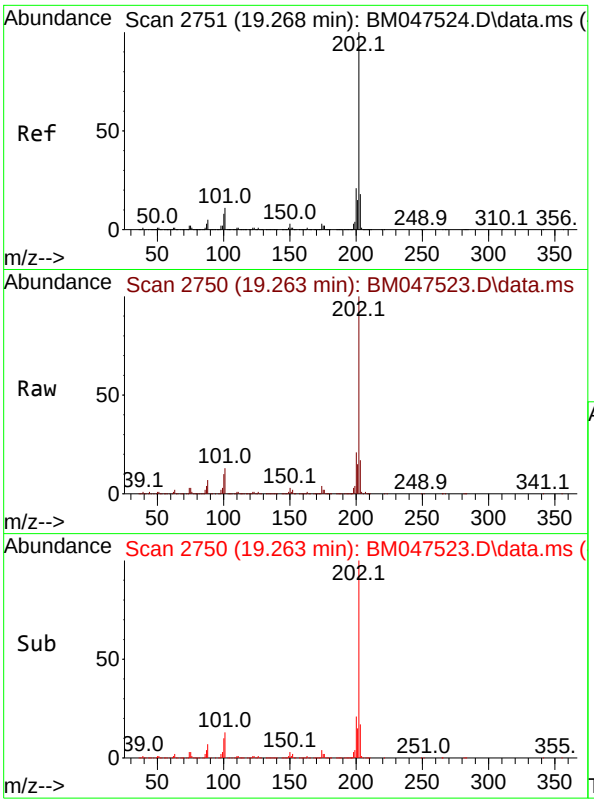




#74
Di-n-butylphthalate
Concen: 19.713 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 2168251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.2 |
| 104 | 6.1 | 4.6 | 6.8 |



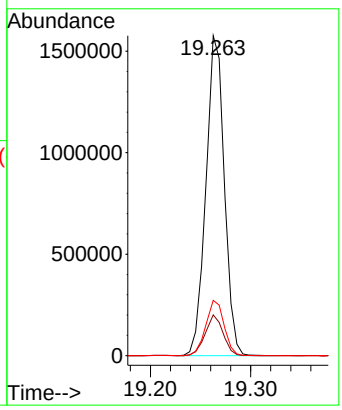


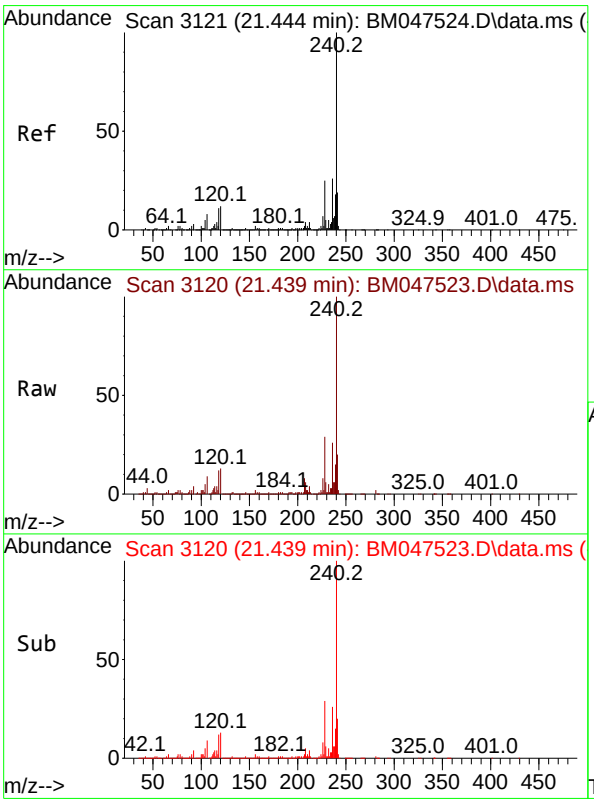

#75
Fluoranthene
Concen: 19.109 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:202 Resp: 2012958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 30.8 |
| 203 | 17.3 | 0.0 | 37.7 |

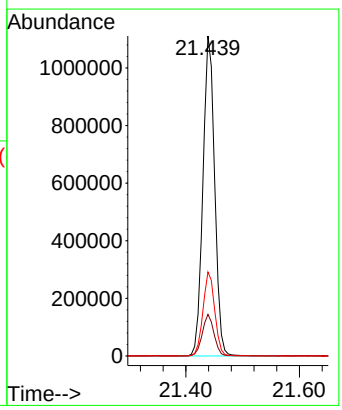


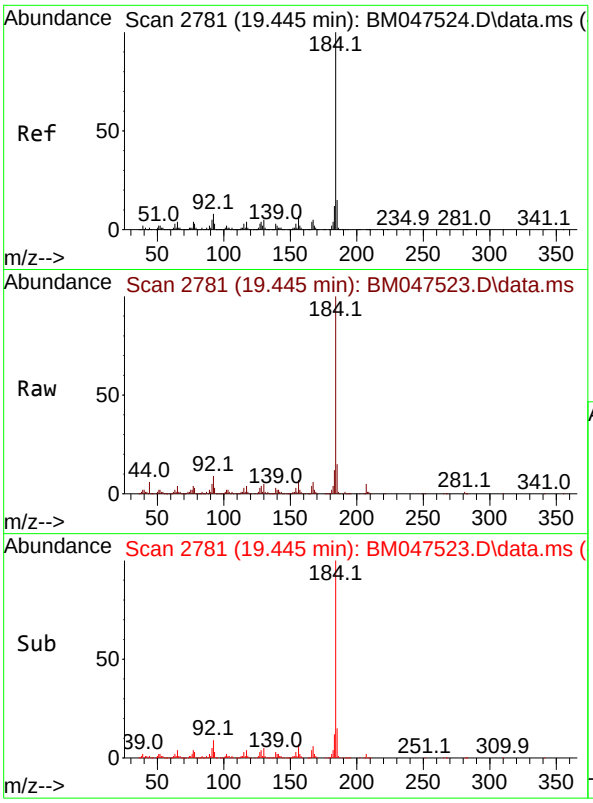




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:240 Resp: 1587065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.6 | 14.4 |
| 236 | 26.3 | 20.9 | 31.3 |



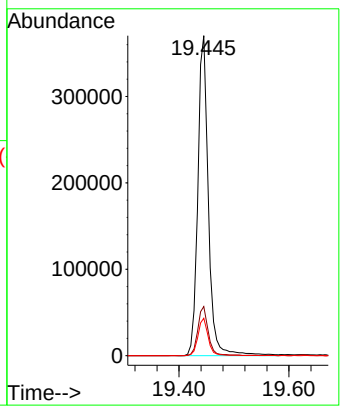


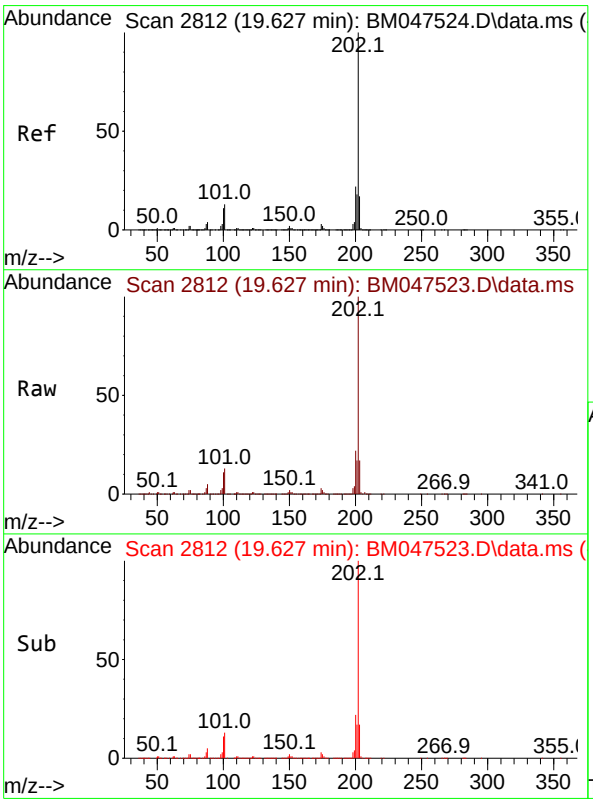

#77
Benzidine
Concen: 22.182 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:184 Resp: 495797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.4 | 12.2 | 18.2 |
| 183 | 11.7 | 9.6 | 14.4 |

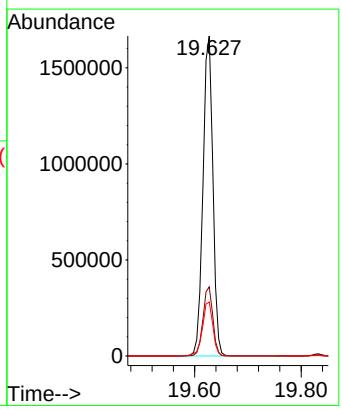


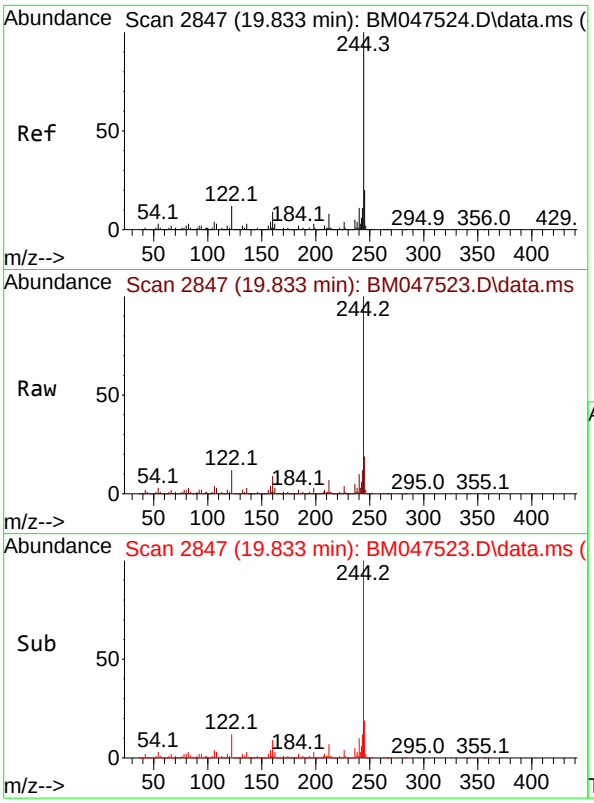




#78
Pyrene
Concen: 18.554 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:202 Resp: 2147890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.2 | 25.8 |
| 203 | 16.9 | 14.0 | 21.0 |



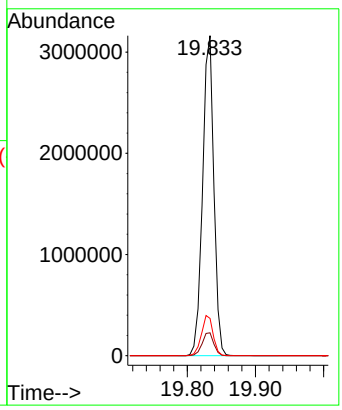


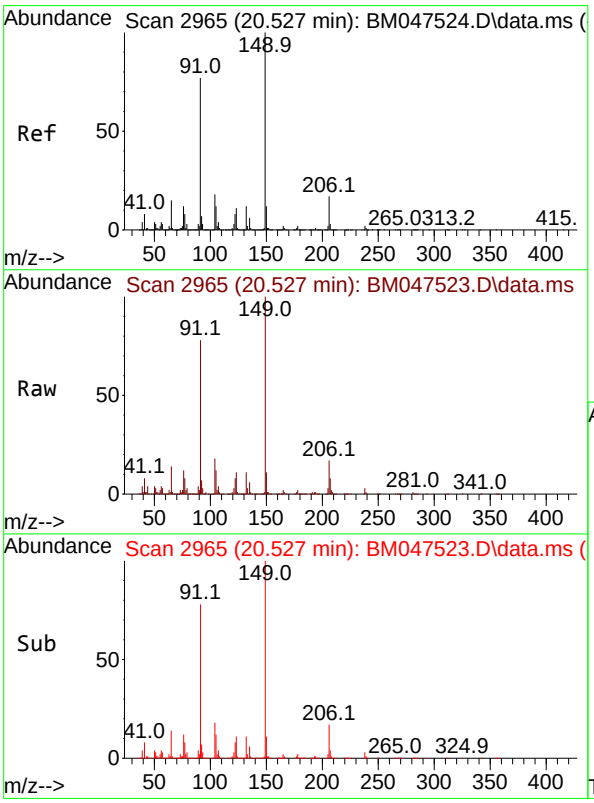

#79
Terphenyl-d14
Concen: 40.931 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:244 Resp: 3625135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.2 | 9.2 |
| 122 | 11.6 | 9.6 | 14.4 |

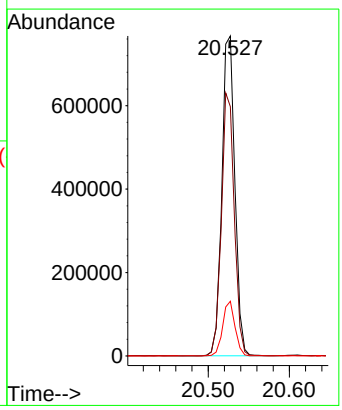


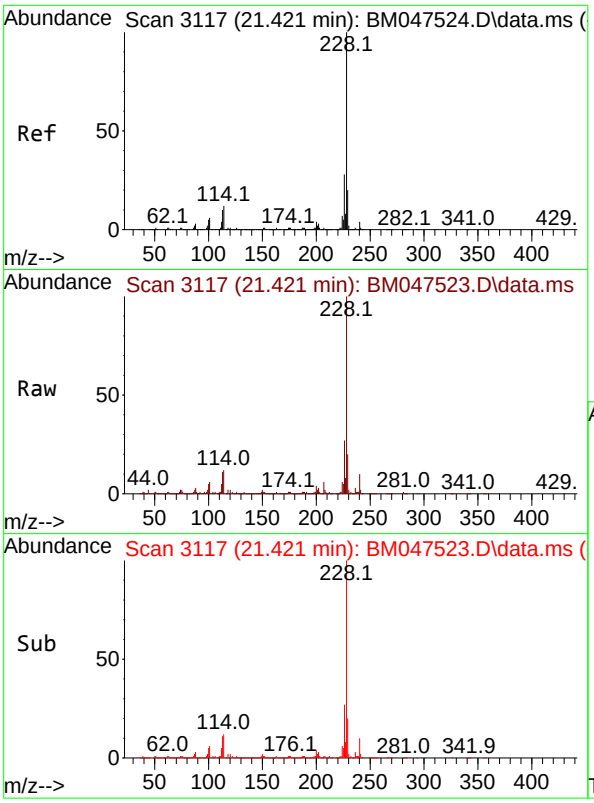




#80
Butylbenzylphthalate
Concen: 19.228 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 856878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 77.9 | 62.0 | 93.0 |
| 206 | 17.1 | 13.8 | 20.8 |



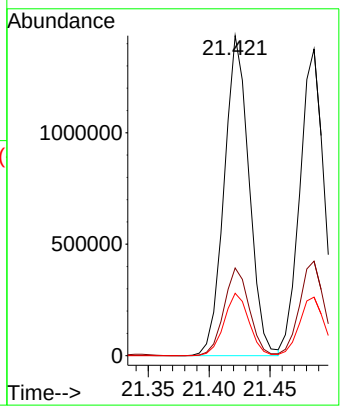


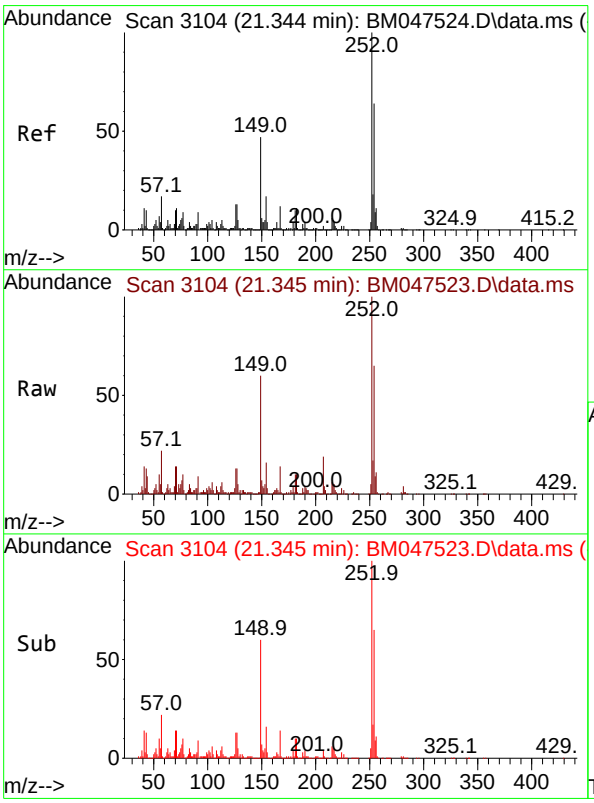

#81
Benzo(a)anthracene
Concen: 19.725 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 2040458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 22.4 | 33.6 |
| 229 | 19.5 | 16.0 | 24.0 |

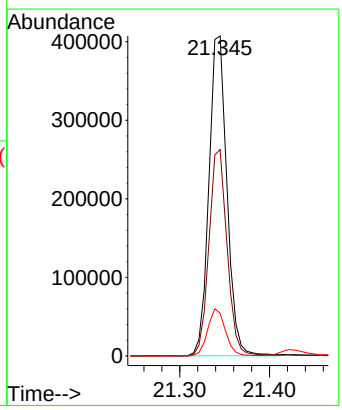


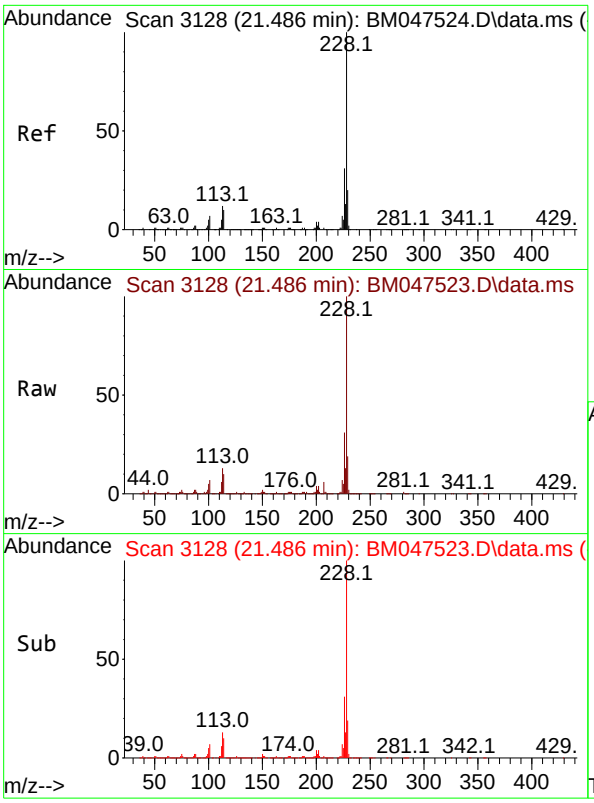




#82
3,3'-Dichlorobenzidine
Concen: 20.664 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 568618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.5 | 77.3 |
| 126 | 13.3 | 10.3 | 15.5 |



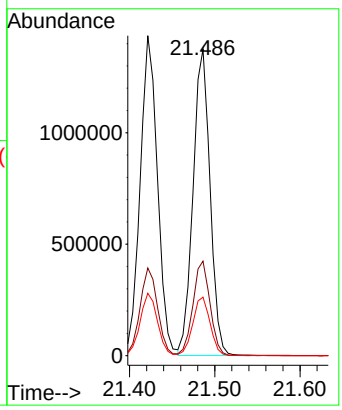


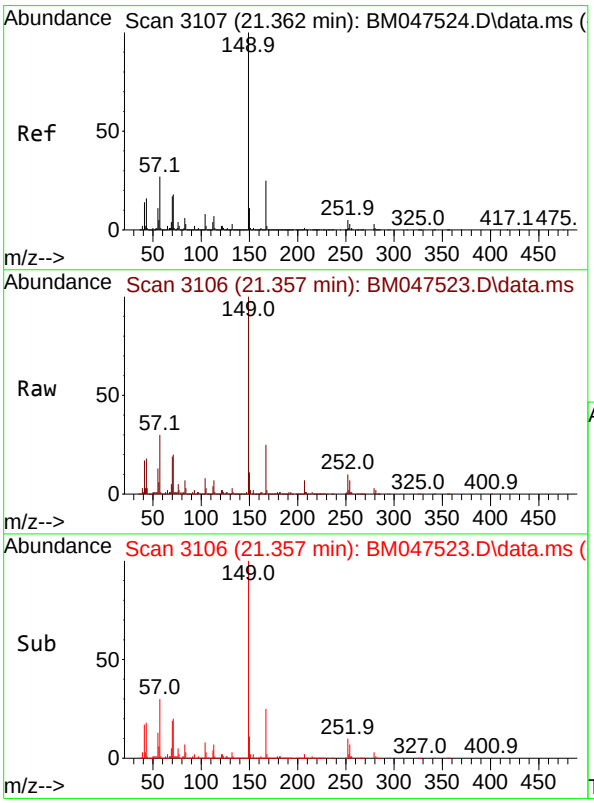

#83
Chrysene
Concen: 19.472 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 1905289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 25.0 | 37.6 |
| 229 | 19.1 | 15.9 | 23.9 |

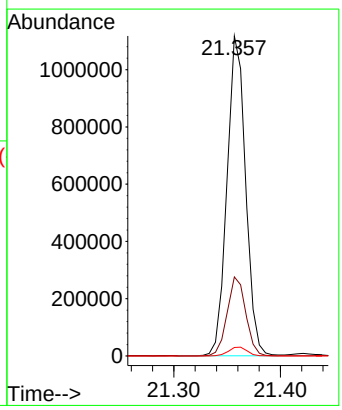


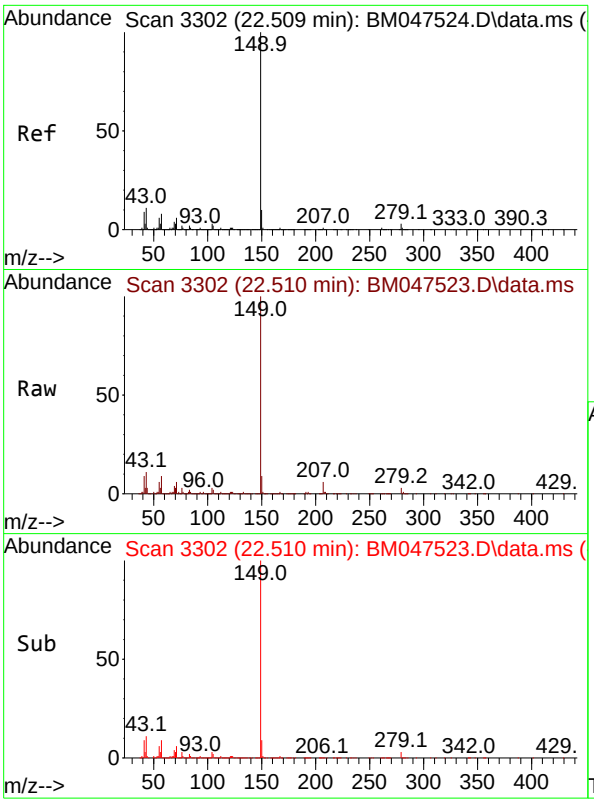




#84
Bis(2-ethylhexyl)phthalate
Concen: 19.416 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:149 Resp: 1355453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.7 | 20.2 | 30.4 |
| 279 | 2.7 | 2.6 | 4.0 |



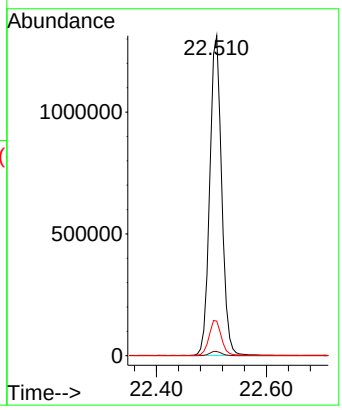


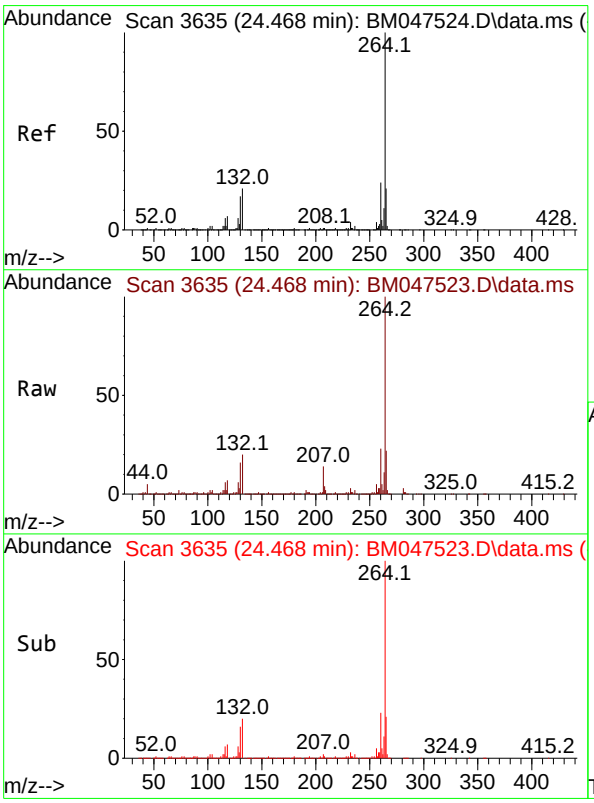

#85
Di-n-octyl phthalate
Concen: 19.984 ng
RT: 22.510 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:149 Resp: 1973400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 11.5 | 8.9 | 13.3 |

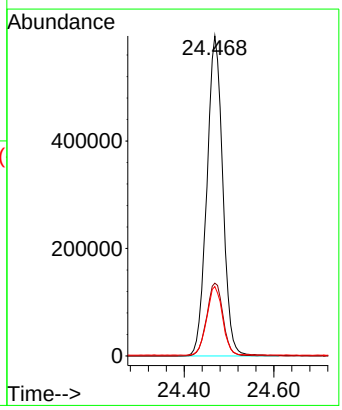


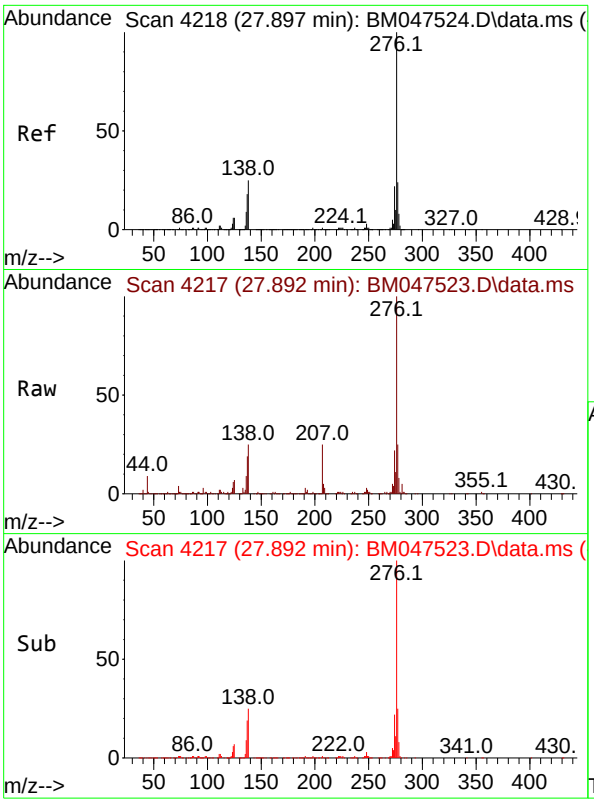




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.001 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:264 Resp: 1465788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 18.9 | 28.3 |
| 265 | 21.7 | 17.4 | 26.2 |



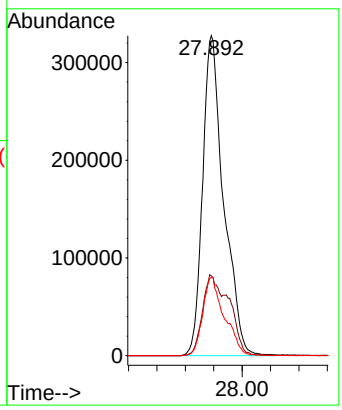


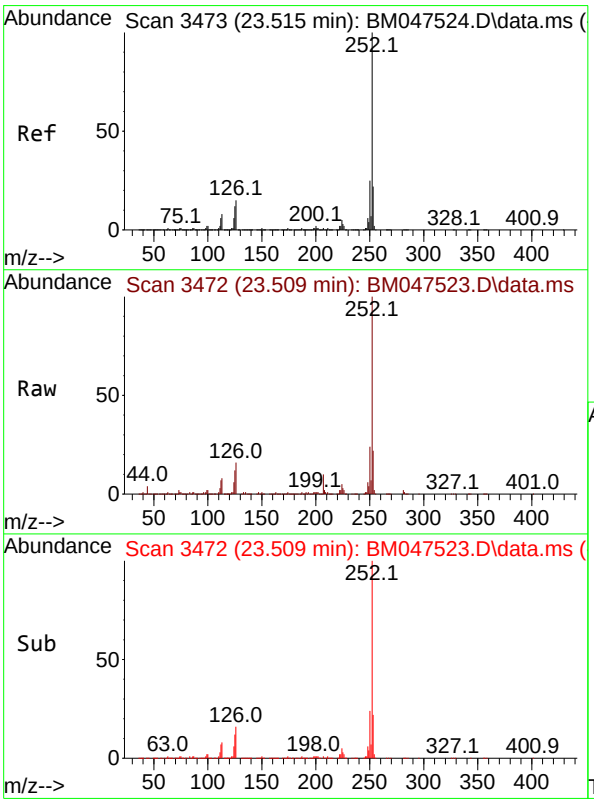

#87
Indeno(1,2,3-cd)pyrene
Concen: 19.253 ng
RT: 27.892 min Scan# 4
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:276 Resp: 1688895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.7 | 25.0 | 37.6 |
| 277 | 25.1 | 20.1 | 30.1 |

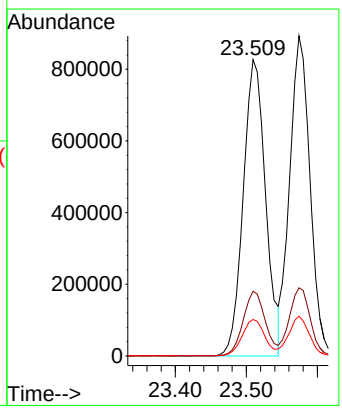


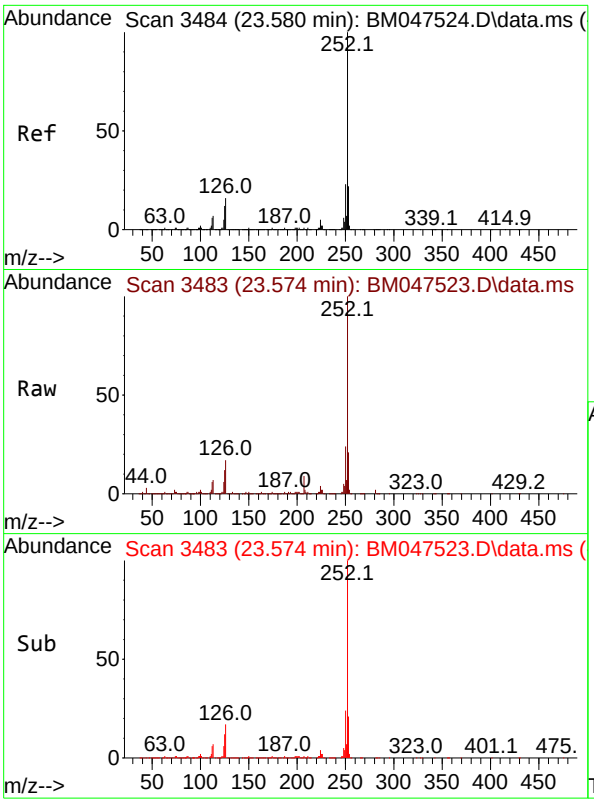




#88
Benzo(b)fluoranthene
Concen: 19.105 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 1811874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.8 |
| 125 | 12.3 | 9.5 | 14.3 |



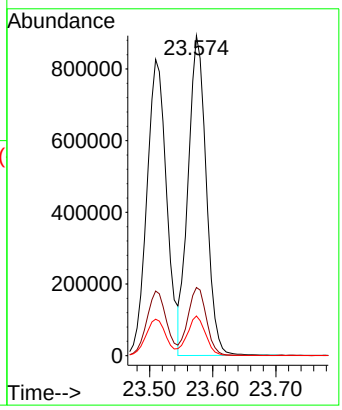


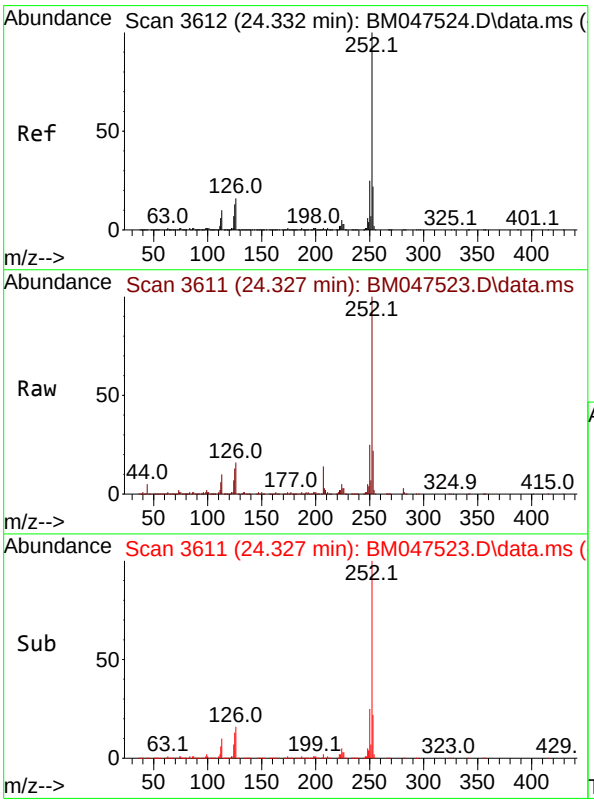

#89
Benzo(k)fluoranthene
Concen: 18.895 ng
RT: 23.574 min Scan# 34
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:252 Resp: 1775972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.8 | 26.6 |
| 125 | 12.4 | 9.5 | 14.3 |

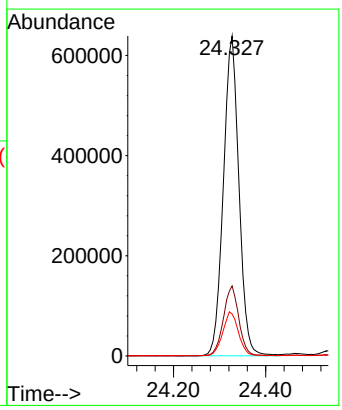


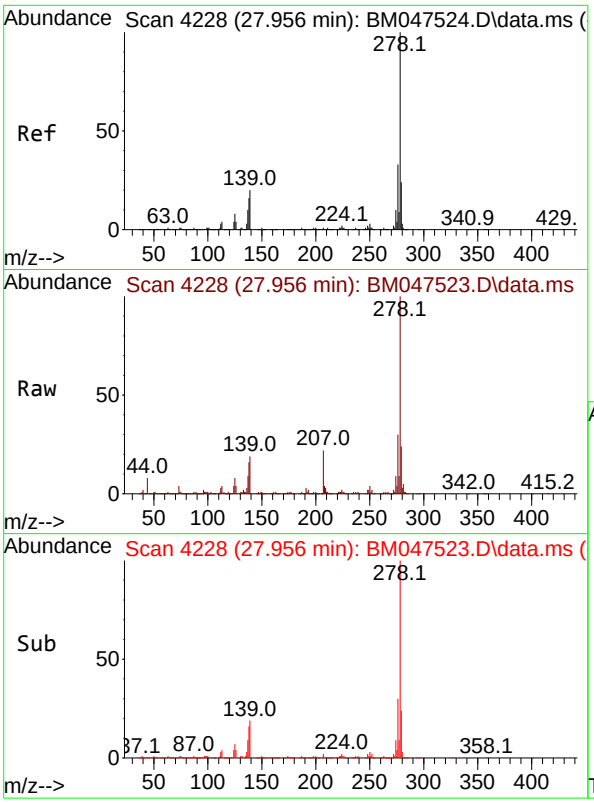




#90
Benzo(a)pyrene
Concen: 19.198 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.005 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:252 Resp: 1492255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 13.1 | 10.2 | 15.4 |



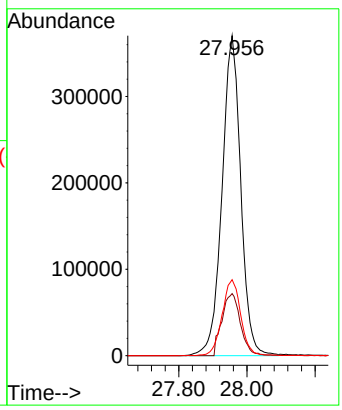


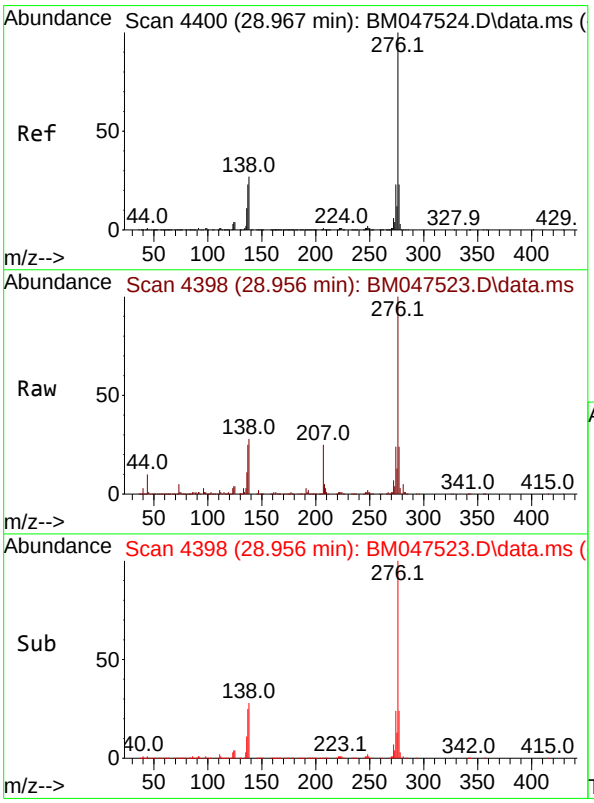

#91
Dibenzo(a,h)anthracene
Concen: 19.153 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

Tgt Ion:278 Resp: 1413538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.4 | 15.9 | 23.9 |
| 279 | 23.8 | 19.3 | 28.9 |

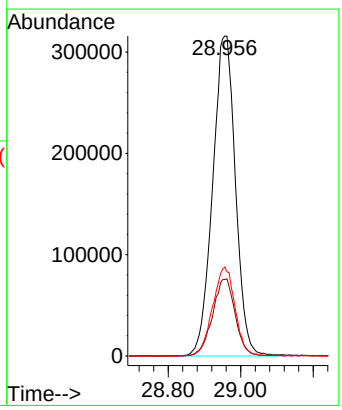



#92
Benzo(g,h,i)perylene
Concen: 19.119 ng
RT: 28.956 min Scan# 4398
Delta R.T. -0.011 min
Lab File: BM047523.D
Acq: 14 Sep 2024 13:55

Tgt Ion:276 Resp: 1378333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 18.6 | 28.0 |
| 138 | 27.8 | 21.5 | 32.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 365126 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1618219 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 947755 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1792326 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.444 | 240 | 1627798 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1308860 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 1816554 | 79.215 | ng | 0.00 |
| 7) Phenol-d6 | 7.010 | 99 | 2621910 | 81.187 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.004 | 82 | 2627381 | 81.256 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.962 | 330 | 767403 | 83.770 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.110 | 172 | 5743669 | 83.482 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 8178683 | 90.034 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 379485 | 38.636 | ng | 100 |
| 3) Pyridine | 3.716 | 79 | 1158883m | 39.648 | ng | |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 533341 | 40.206 | ng | 100 |
| 6) Aniline | 7.175 | 93 | 1158194 | 40.452 | ng | 100 |
| 8) 2-Chlorophenol | 7.416 | 128 | 1018620 | 40.294 | ng | 100 |
| 9) Benzaldehyde | 6.987 | 77 | 610922 | 39.784 | ng | 100 |
| 10) Phenol | 7.034 | 94 | 1300688 | 40.224 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.275 | 93 | 1035289 | 39.880 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.739 | 146 | 1097467 | 39.662 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.886 | 146 | 1115218 | 39.570 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 1100793 | 39.688 | ng | 100 |
| 15) Benzyl Alcohol | 8.086 | 79 | 899897 | 41.137 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 1467240 | 40.178 | ng | 100 |
| 17) 2-Methylphenol | 8.286 | 107 | 847590 | 41.031 | ng | 100 |
| 18) Hexachloroethane | 8.939 | 117 | 448954 | 39.876 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.657 | 70 | 908407 | 41.720 | ng | 100 |
| 20) 3+4-Methylphenols | 8.616 | 107 | 1177936 | 40.867 | ng | 100 |
| 22) Acetophenone | 8.669 | 105 | 1704805 | 40.072 | ng | 100 |
| 24) Nitrobenzene | 9.045 | 77 | 1336633 | 40.229 | ng | 100 |
| 25) Isophorone | 9.575 | 82 | 2301793 | 40.492 | ng | 100 |
| 26) 2-Nitrophenol | 9.757 | 139 | 475675 | 42.013 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 678795 | 39.549 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93 | 1425885 | 39.933 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.292 | 162 | 890582 | 40.842 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 978634 | 39.180 | ng | 100 |
| 31) Naphthalene | 10.698 | 128 | 3484796 | 39.874 | ng | 100 |
| 32) Benzoic acid | 9.951 | 122 | 621554 | 38.270 | ng | 100 |
| 33) 4-Chloroaniline | 10.798 | 127 | 1271819 | 40.249 | ng | 100 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 548156 | 39.622 | ng | 100 |
| 35) Caprolactam | 11.574 | 113 | 301774 | 42.014 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.922 | 107 | 1029746 | 41.207 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.310 | 142 | 2350065 | 40.402 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.527 | 142 | 2315698 | 40.060 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.674 | 216 | 1037544 | 40.457 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 346149 | 41.288 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 663467 | 41.294 | ng | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.980 | 196 | 749195 | 41.284 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.316 | 154 | 2977591 | 40.379 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 2309174 | 40.329 | ng | 100 |
| 48) 2-Nitroaniline | 13.551 | 65 | 711905 | 42.331 | ng | 100 |
| 49) Acenaphthylene | 14.204 | 152 | 3389381 | 41.020 | ng | 100 |
| 50) Dimethylphthalate | 13.939 | 163 | 2601271 | 40.269 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.051 | 165 | 562396 | 41.241 | ng | 100 |
| 52) Acenaphthene | 14.545 | 154 | 2363816 | 40.830 | ng | 100 |
| 53) 3-Nitroaniline | 14.374 | 138 | 636300 | 41.980 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.574 | 184 | 242408 | 40.526 | ng | 100 |
| 55) Dibenzofuran | 14.880 | 168 | 3286806 | 40.401 | ng | 100 |
| 56) 4-Nitrophenol | 14.674 | 139 | 533596 | 42.781 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.833 | 165 | 772430 | 42.471 | ng | 100 |
| 58) Fluorene | 15.527 | 166 | 3089638 | 42.182 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 580263 | 41.011 | ng | 100 |
| 60) Diethylphthalate | 15.304 | 149 | 2809721 | 40.869 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204 | 1409661 | 42.091 | ng | 100 |
| 62) 4-Nitroaniline | 15.533 | 138 | 795712 | 44.661 | ng | 100 |
| 63) Azobenzene | 15.815 | 77 | 3134877 | 41.412 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 327400 | 37.677 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 2266693 | 41.340 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.409 | 248 | 705864 | 40.531 | ng | 100 |
| 68) Hexachlorobenzene | 16.527 | 284 | 796111 | 40.352 | ng | 100 |
| 69) Atrazine | 16.680 | 200 | 638553 | 42.135 | ng | 100 |
| 70) Pentachlorophenol | 16.862 | 266 | 486319 | 42.523 | ng | 100 |
| 71) Phenanthrene | 17.256 | 178 | 4065837 | 41.163 | ng | 100 |
| 72) Anthracene | 17.351 | 178 | 3956786 | 41.695 | ng | 100 |
| 73) Carbazole | 17.609 | 167 | 3906452 | 41.537 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 4803649 | 42.689 | ng | 100 |
| 75) Fluoranthene | 19.268 | 202 | 4593392 | 42.622 | ng | 100 |
| 77) Benzidine | 19.445 | 184 | 825167 | 35.993 | ng | 100 |
| 78) Pyrene | 19.627 | 202 | 4862723 | 40.954 | ng | 100 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 1915535 | 41.908 | ng | 100 |
| 81) Benzo(a)anthracene | 21.421 | 228 | 4338226 | 40.888 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.344 | 252 | 1177624 | 41.724 | ng | 100 |
| 83) Chrysene | 21.486 | 228 | 4082724 | 40.682 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.362 | 149 | 3022758 | 42.216 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.509 | 149 | 4236094 | 41.825 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.897 | 276 | 3099824 | 39.575 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.515 | 252 | 3507877 | 41.423 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.580 | 252 | 3570213 | 42.538 | ng | 100 |
| 90) Benzo(a)pyrene | 24.332 | 252 | 2875521 | 41.429 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 27.956 | 278 | 2601274 | 39.472 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 28.967 | 276 | 2535092 | 39.380 | ng | 100 |

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

ICAL Form

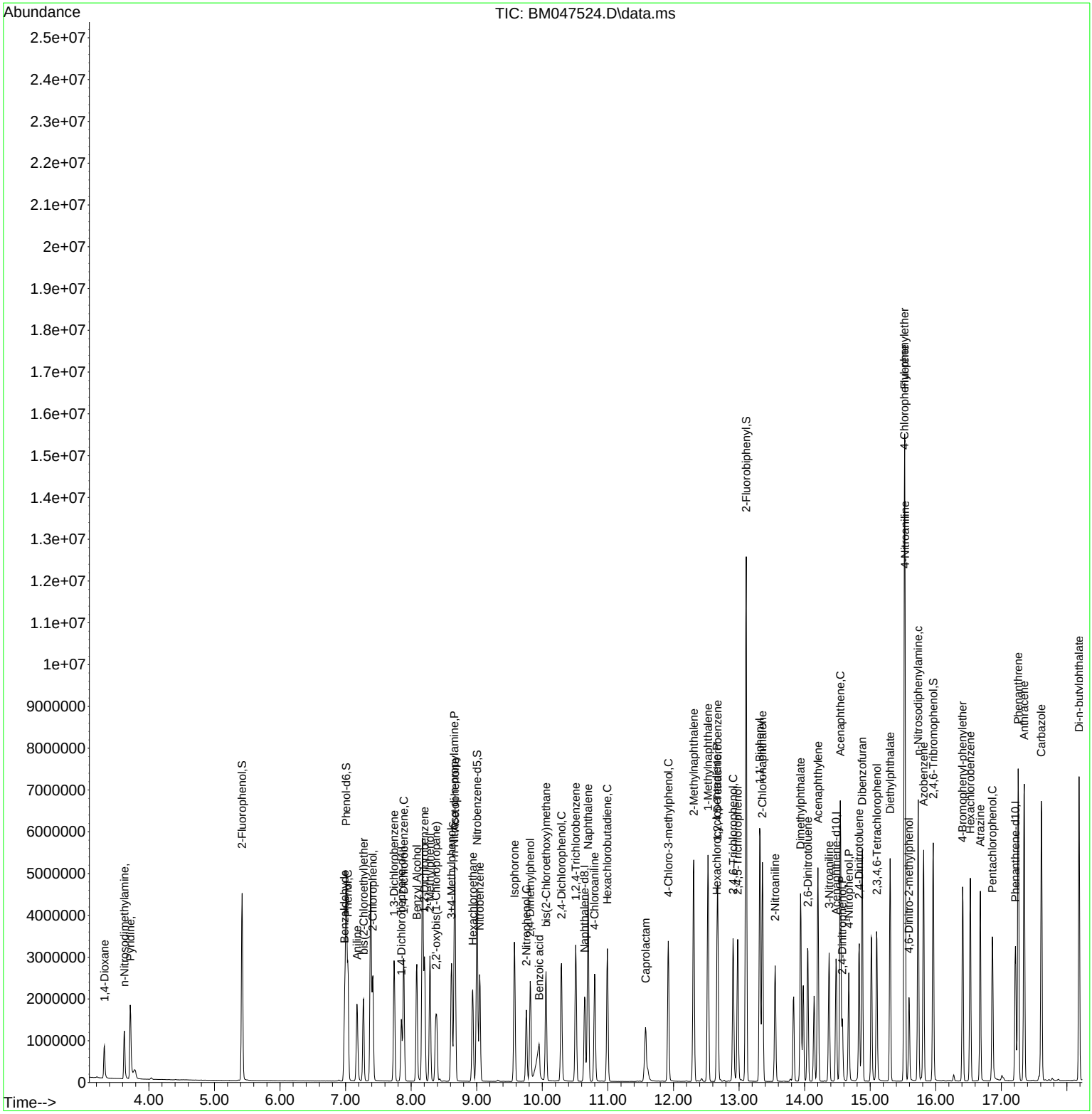
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047524.D
Acq On : 14 Sep 2024 14:35
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 15 08:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
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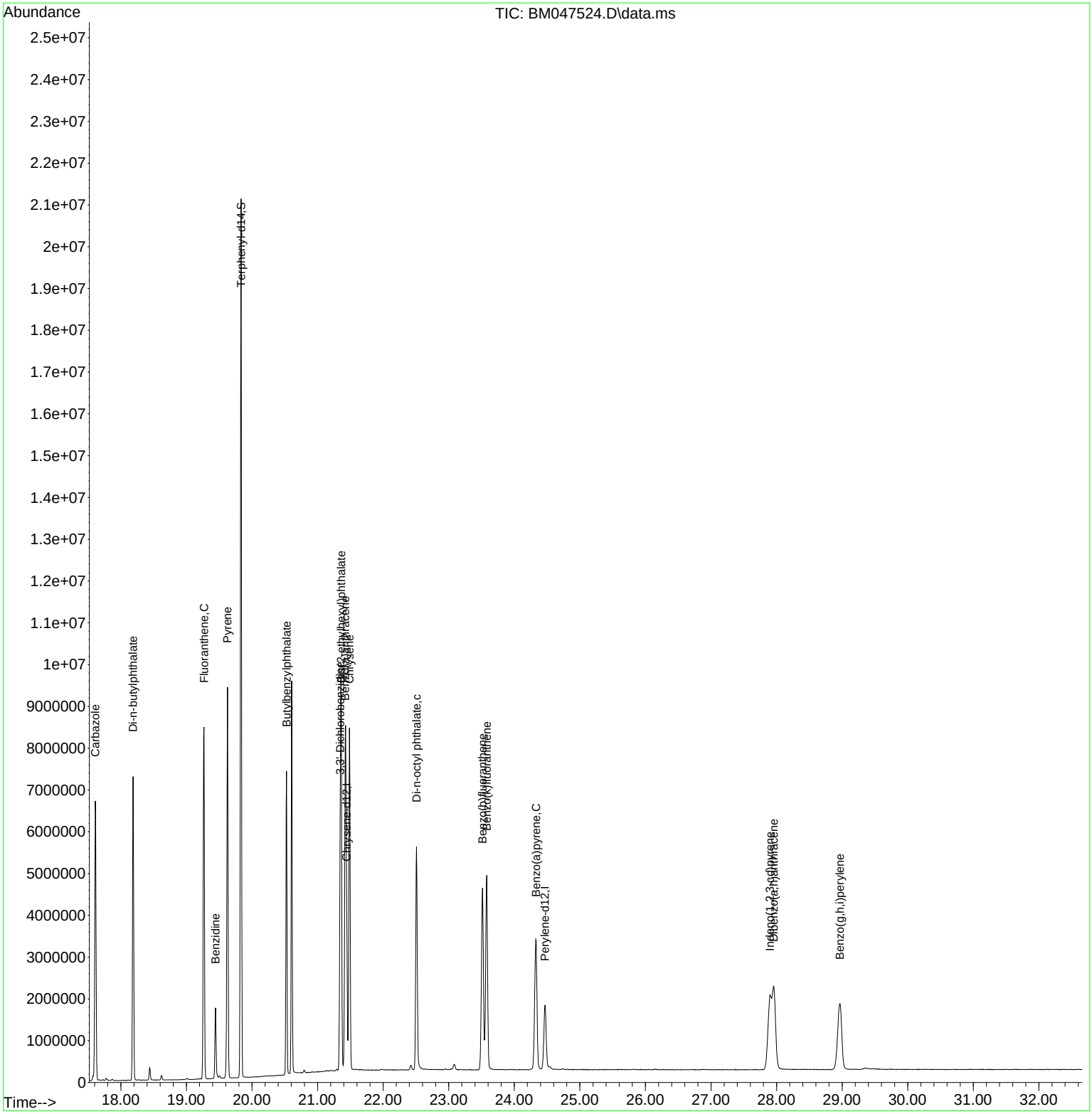
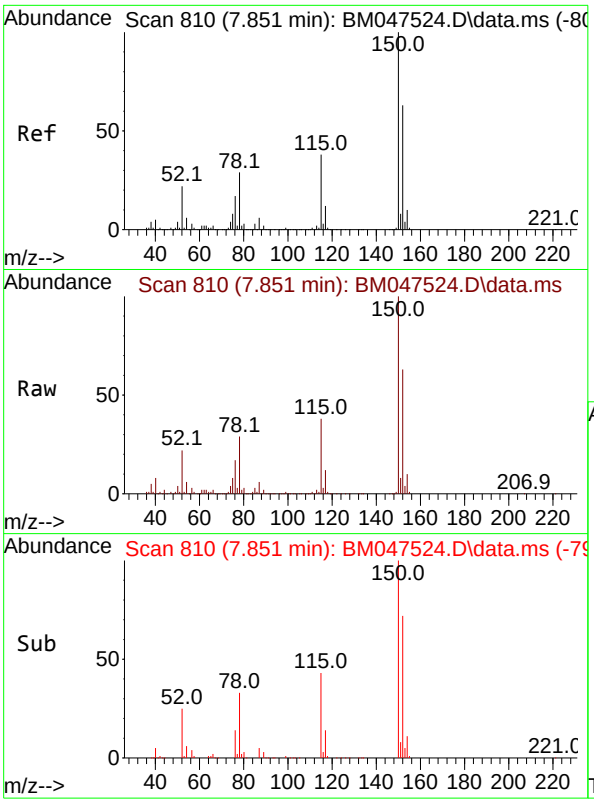
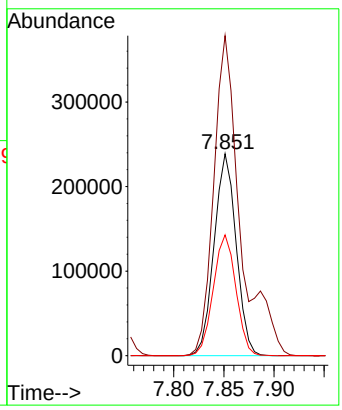





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:152 Resp: 36512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 126.8 | 190.2 |
| 115 | 59.8 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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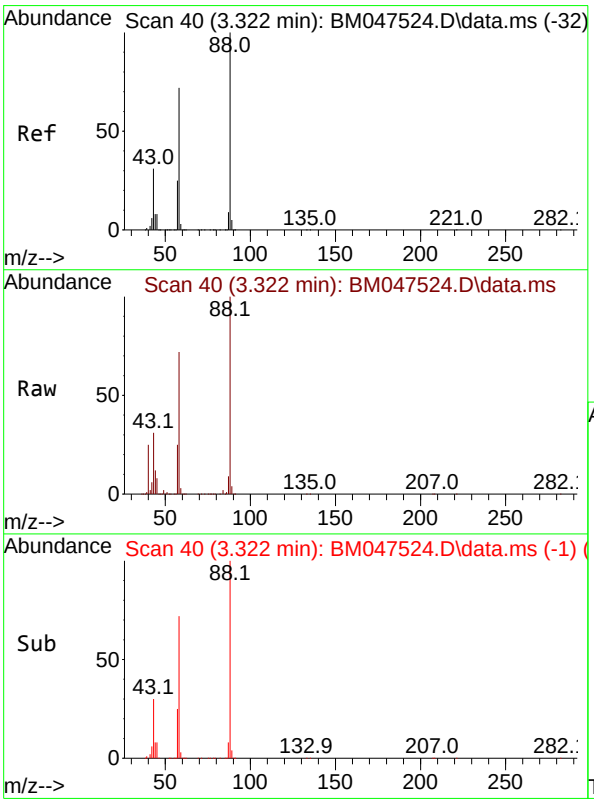
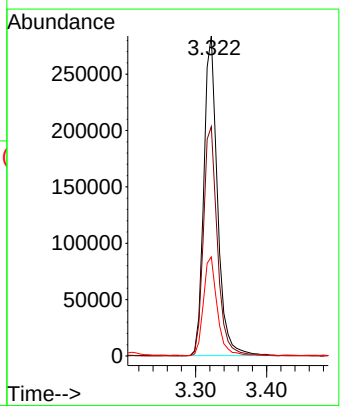
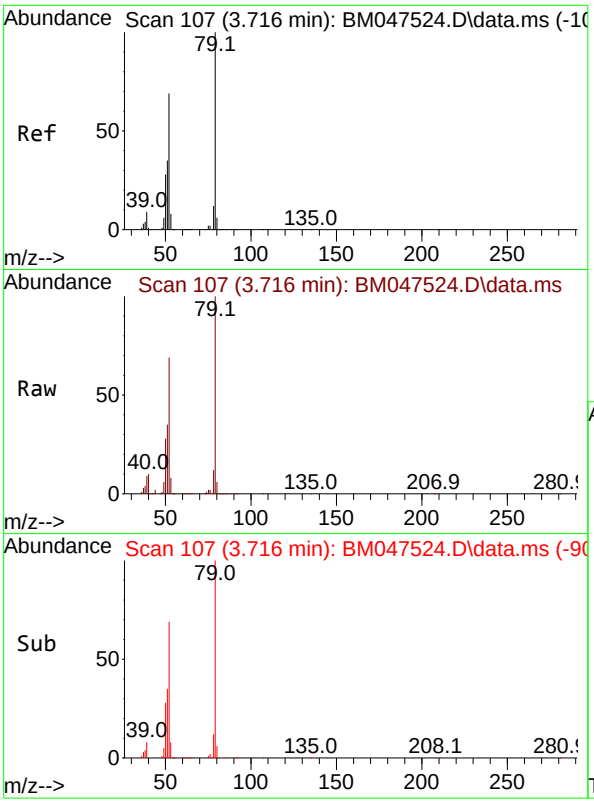



#2
1,4-Dioxane
Concen: 38.636 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 88 Resp: 379485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.8 | 59.0 | 88.6 |
| 43 | 31.2 | 25.0 | 37.4 |

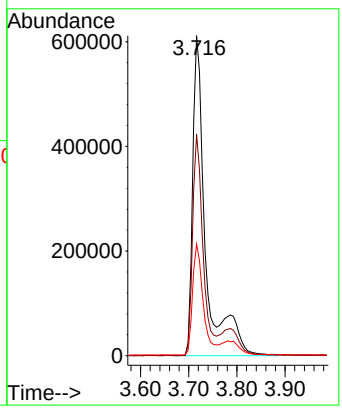





#3
Pyridine
Concen: 39.648 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 79 Resp: 115888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.2 | 55.4 | 83.0 |
| 51 | 34.9 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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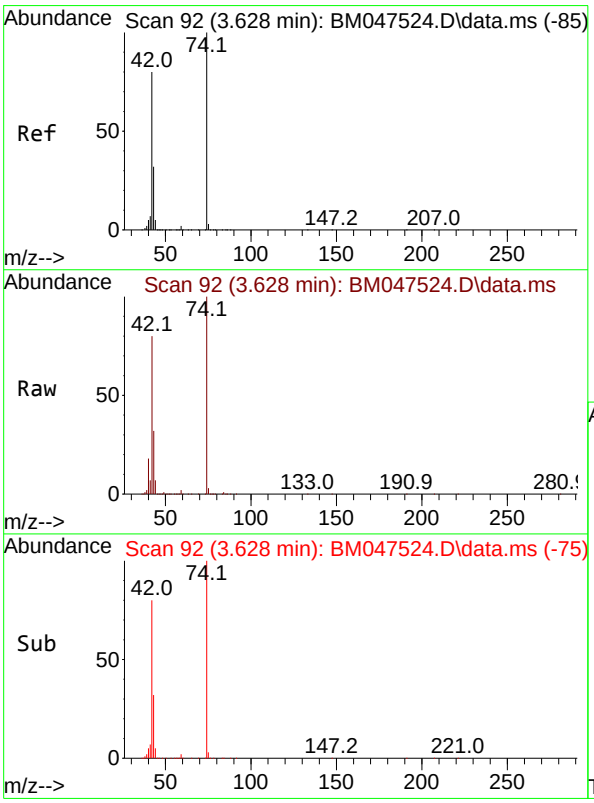
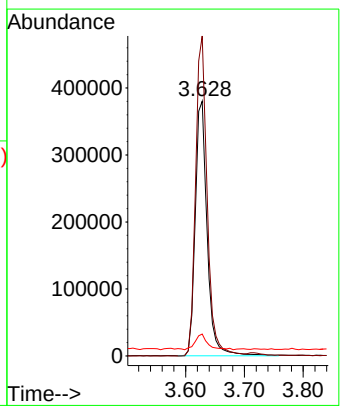
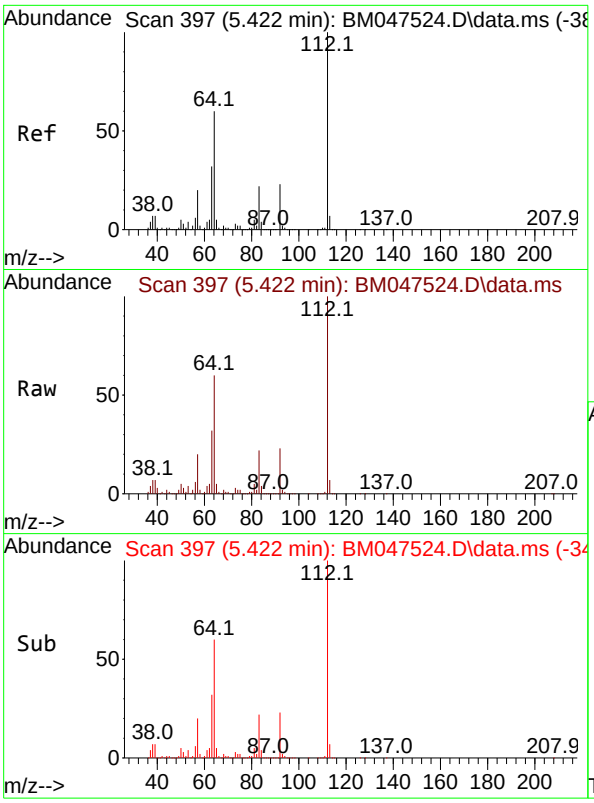



#4
n-Nitrosodimethylamine
Concen: 40.206 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 42 Resp: 533341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 125.6 | 100.5 | 150.7 |
| 44 | 8.6 | 6.9 | 10.3 |

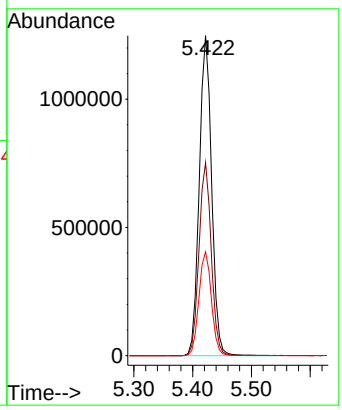





#5
2-Fluorophenol
Concen: 79.215 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:112 Resp: 181655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.3 | 48.2 | 72.4 |
| 63 | 32.5 | 26.0 | 39.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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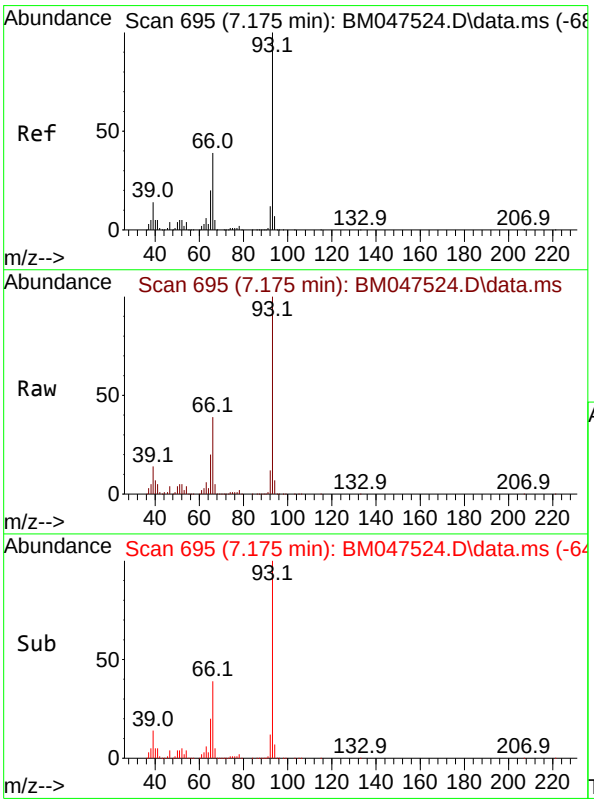
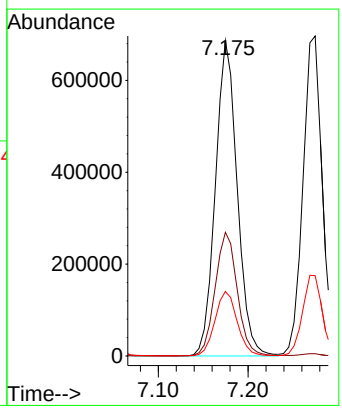
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

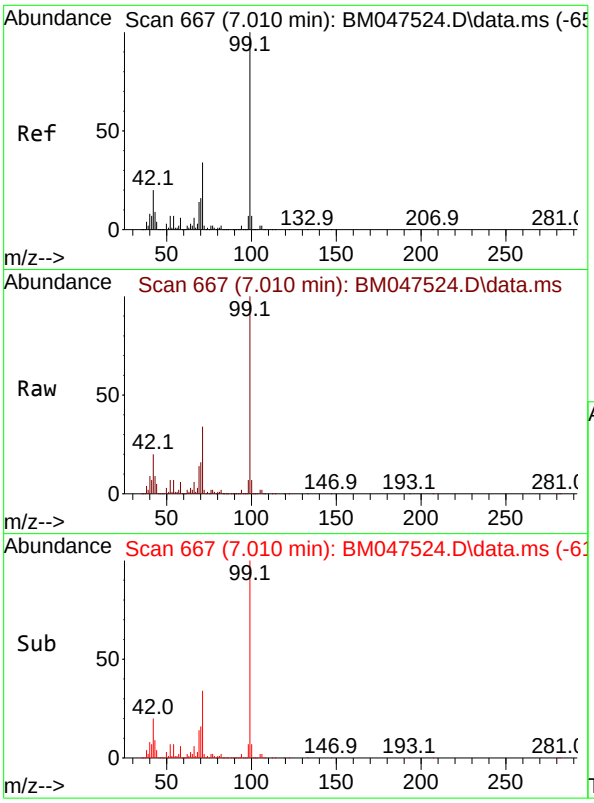



#6
Aniline
Concen: 40.452 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 1158194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.2 | 31.4 | 47.0 |
| 65 | 20.4 | 16.3 | 24.5 |

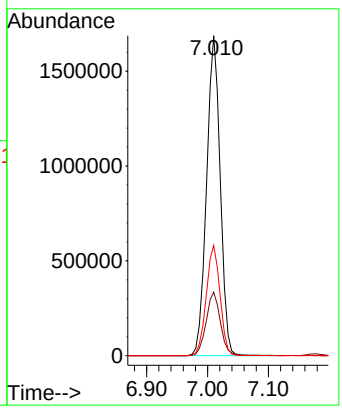





#7
Phenol-d6
Concen: 81.187 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 99 Resp: 262191(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 15.8 | 23.8 |
| 71 | 34.5 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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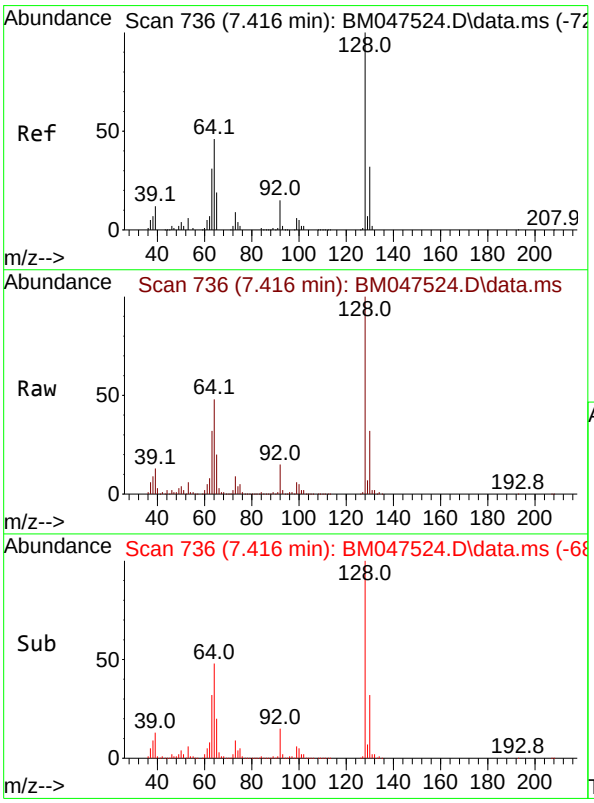
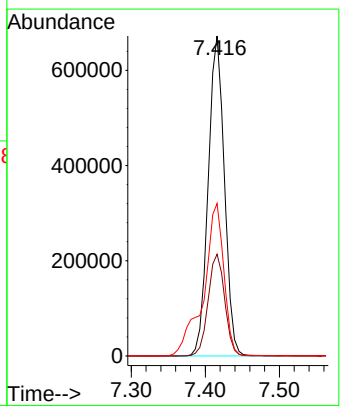
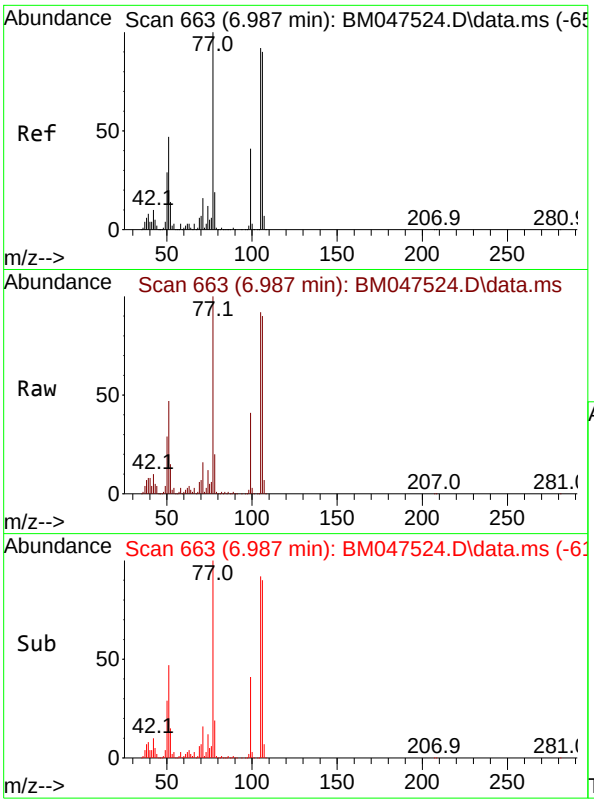



#8
2-Chlorophenol
Concen: 40.294 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:128 Resp: 1018620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 11.8 | 51.8 |
| 64 | 47.6 | 27.6 | 67.6 |

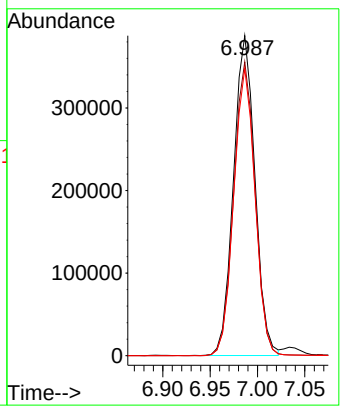





#9
Benzaldehyde
Concen: 39.784 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 61092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.8 | 71.8 | 111.8 |
| 106 | 89.7 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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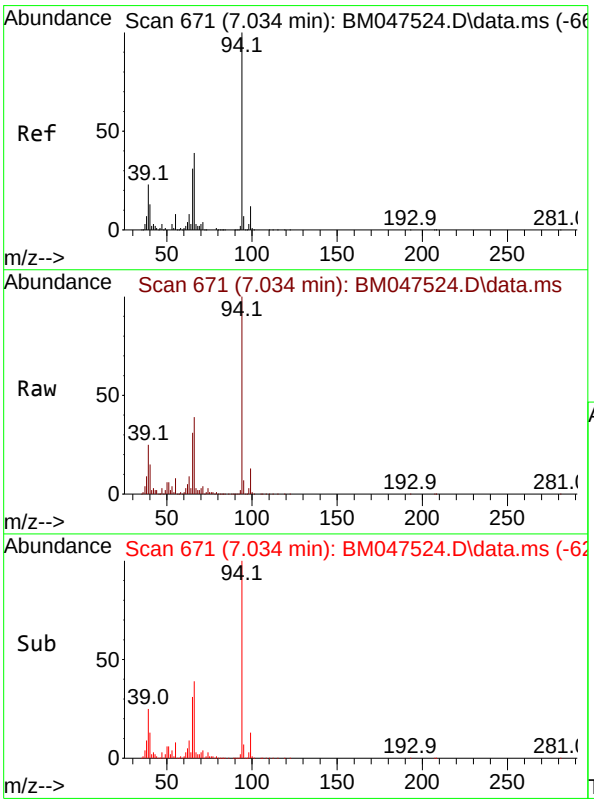
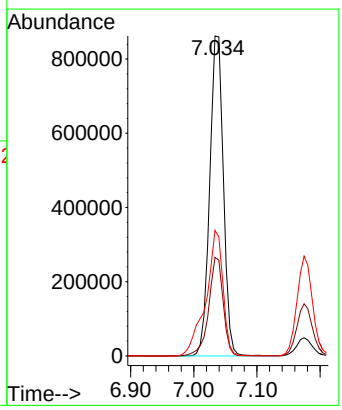
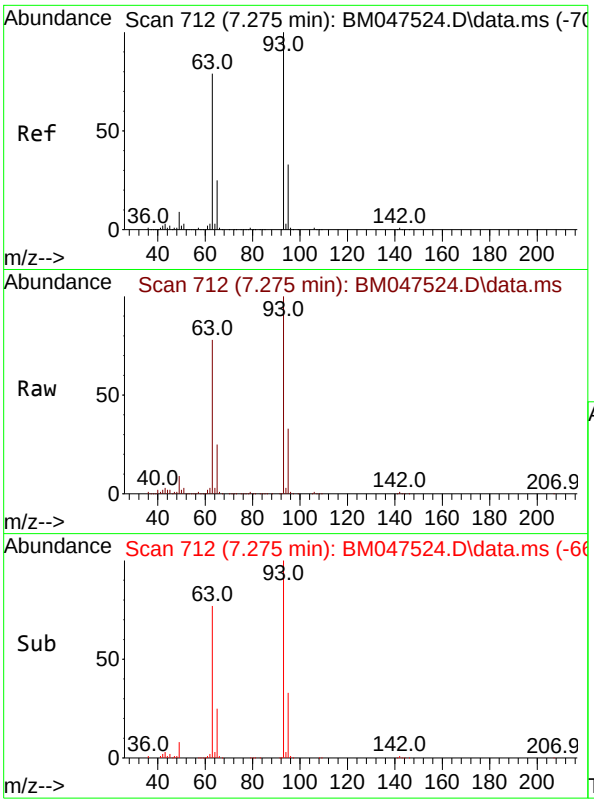



#10
Phenol
Concen: 40.224 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 94 Resp: 1300688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.8 | 10.8 | 50.8 |
| 66 | 39.2 | 19.2 | 59.2 |

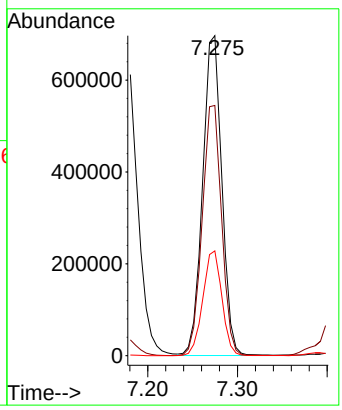





#11
bis(2-Chloroethyl)ether
Concen: 39.880 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 103528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 78.2 | 58.2 | 98.2 |
| 95 | 32.8 | 12.8 | 52.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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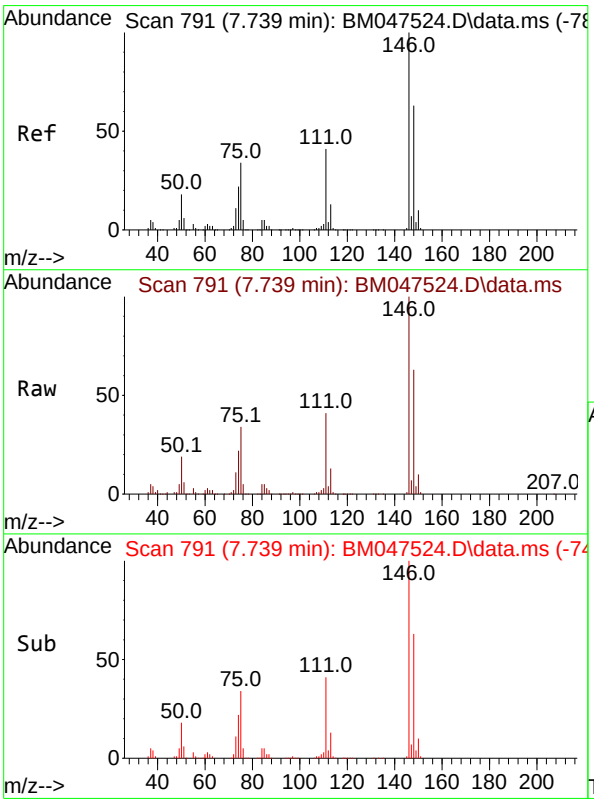
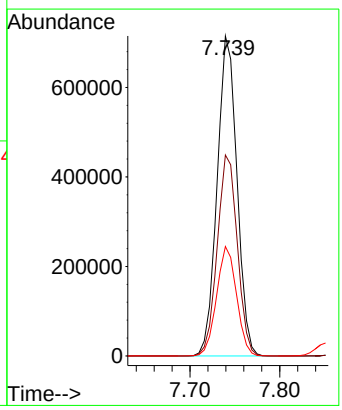
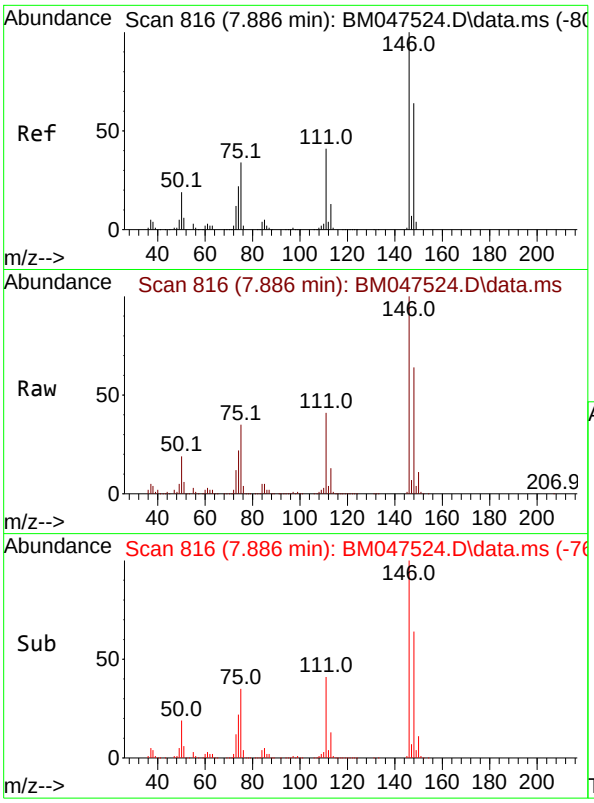



#12
1,3-Dichlorobenzene
Concen: 39.662 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 1097467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.2 | 75.4 |
| 75 | 34.2 | 27.4 | 41.0 |

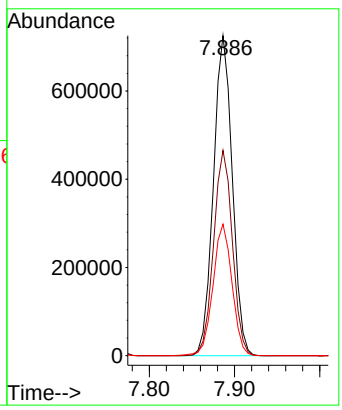





#13
1,4-Dichlorobenzene
Concen: 39.570 ng
RT: 7.886 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 111521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.3 | 76.9 |
| 111 | 41.1 | 32.9 | 49.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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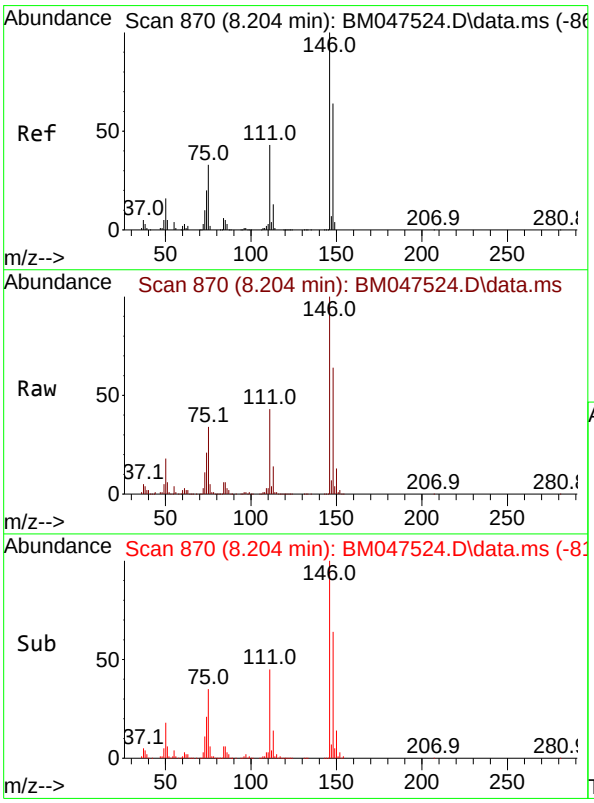
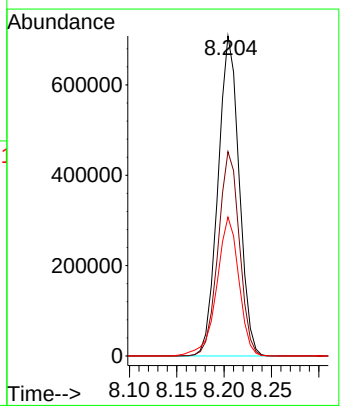
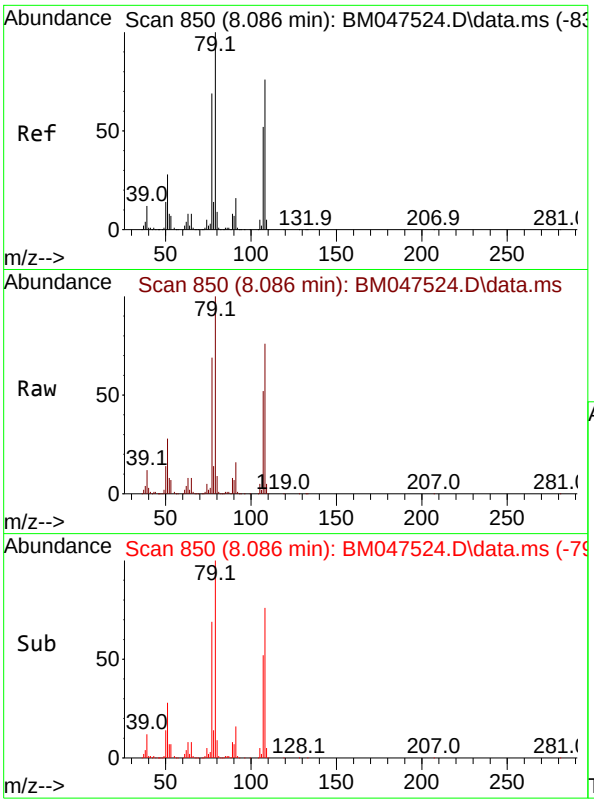



#14
1,2-Dichlorobenzene
Concen: 39.688 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:146 Resp: 1100793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.1 | 76.7 |
| 111 | 43.4 | 34.7 | 52.1 |

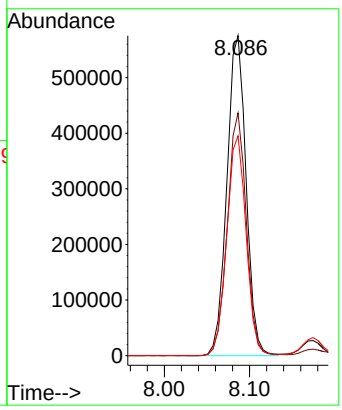





#15
Benzyl Alcohol
Concen: 41.137 ng
RT: 8.086 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 79 Resp: 89989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.8 | 60.6 | 91.0 |
| 77 | 68.7 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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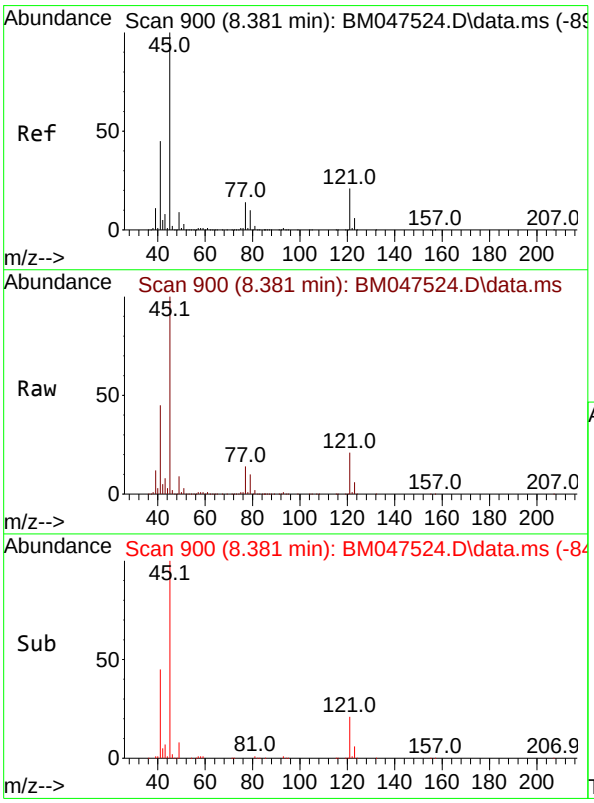
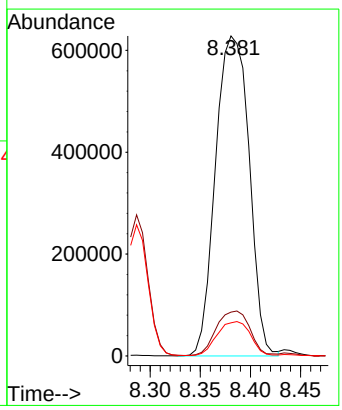
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

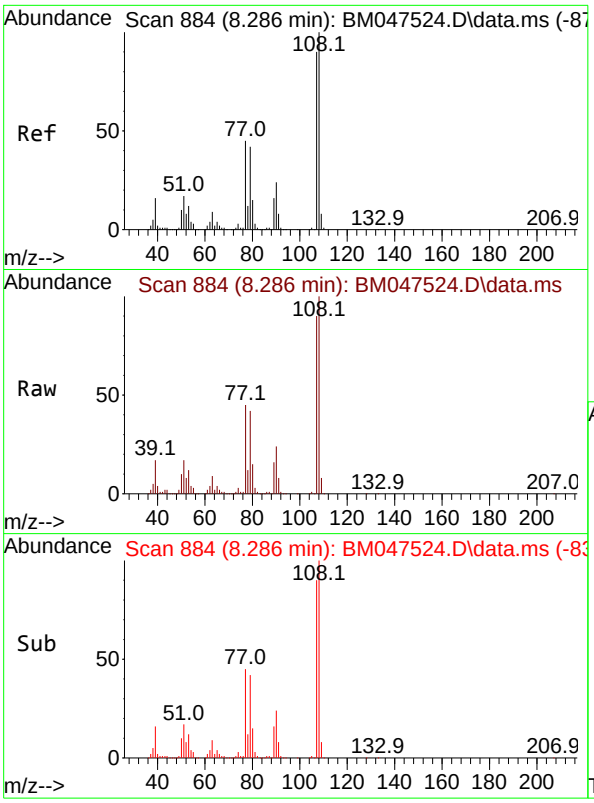



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.178 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 45 Resp: 1467240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.7 |
| 79 | 10.3 | 0.0 | 30.3 |

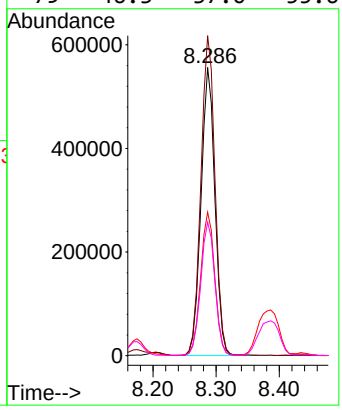





#17
2-Methylphenol
Concen: 41.031 ng
RT: 8.286 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 84759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.1 | 88.9 | 133.3 |
| 77 | 49.8 | 39.8 | 59.8 |
| 79 | 46.3 | 37.0 | 55.6 |




**Instrument :**
BNA_M
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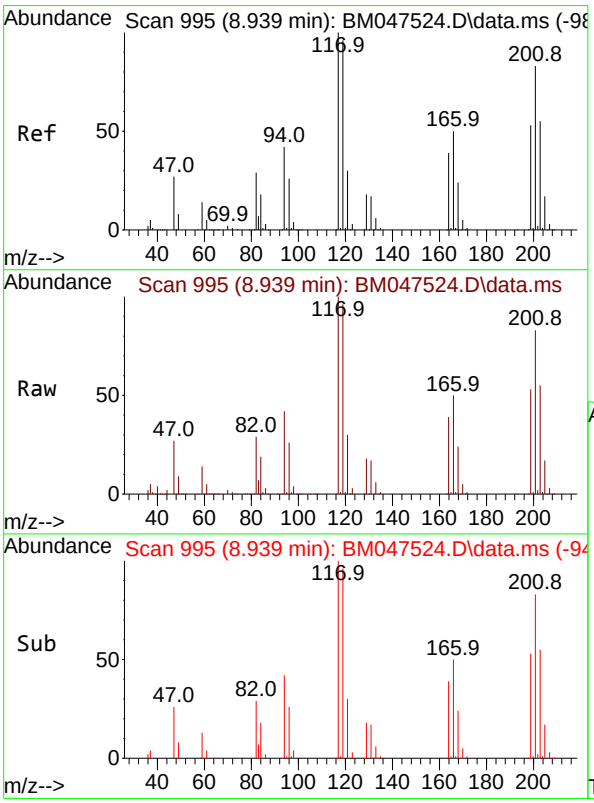
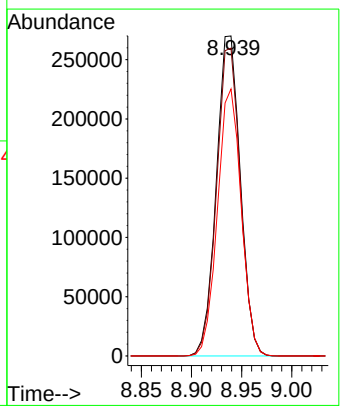
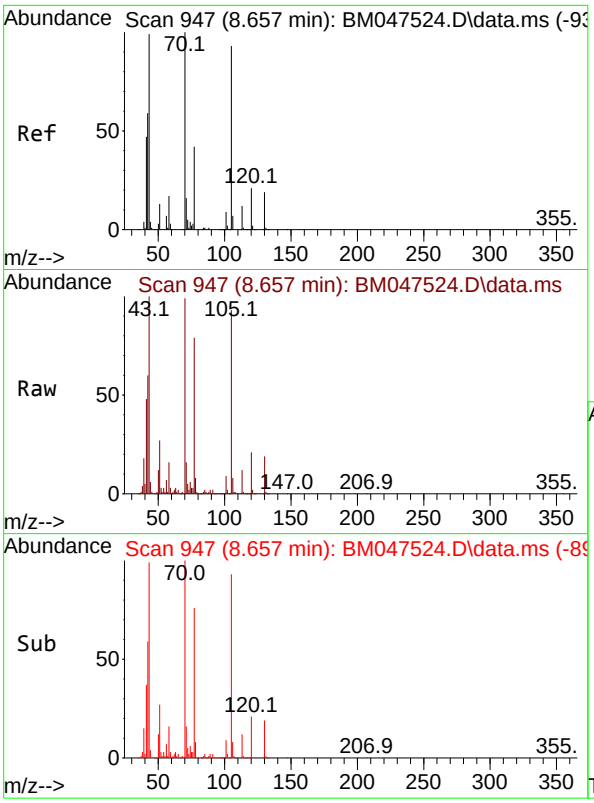



#18
Hexachloroethane
Concen: 39.876 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:117 Resp: 448954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 77.0 | 115.4 |
| 201 | 83.5 | 66.8 | 100.2 |

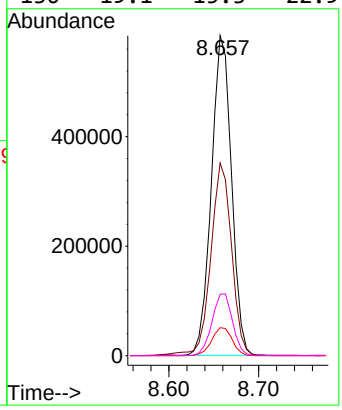





#19
n-Nitroso-di-n-propylamine
Concen: 41.720 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 70 Resp: 90840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.2 | 48.2 | 72.2 |
| 101 | 8.7 | 7.0 | 10.4 |
| 130 | 19.1 | 15.3 | 22.9 |




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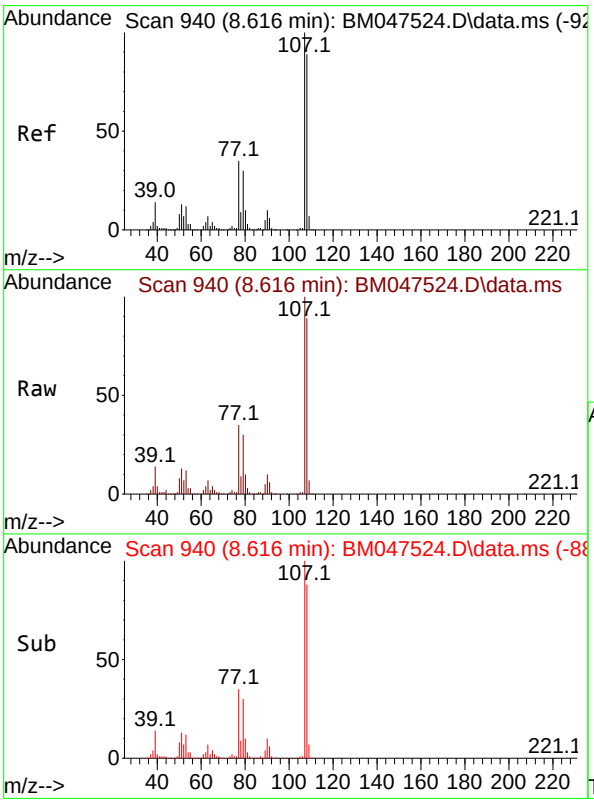
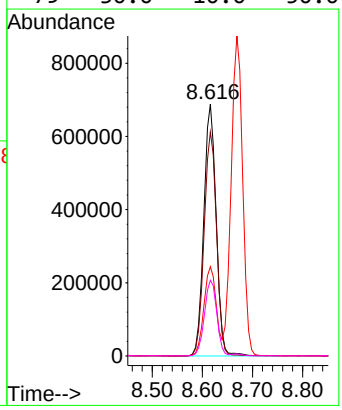
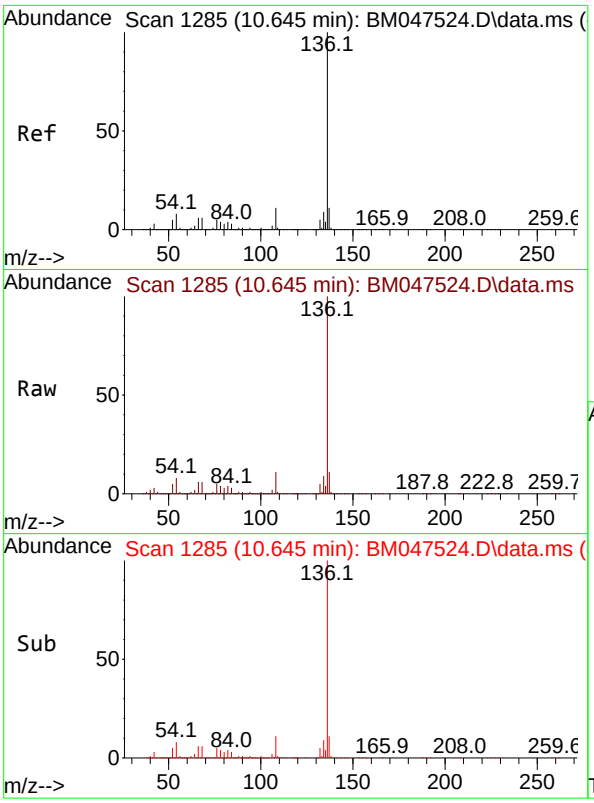



#20
3+4-Methylphenols
Concen: 40.867 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 1177936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.9 | 108.9 |
| 77 | 35.5 | 15.5 | 55.5 |
| 79 | 30.0 | 10.0 | 50.0 |

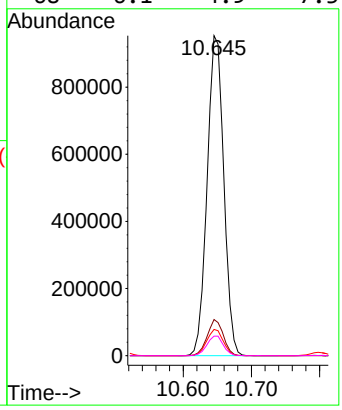





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:136 Resp: 161821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.0 | 13.6 |
| 54 | 8.2 | 6.6 | 9.8 |
| 68 | 6.1 | 4.9 | 7.3 |




**Instrument :**
BNA_M
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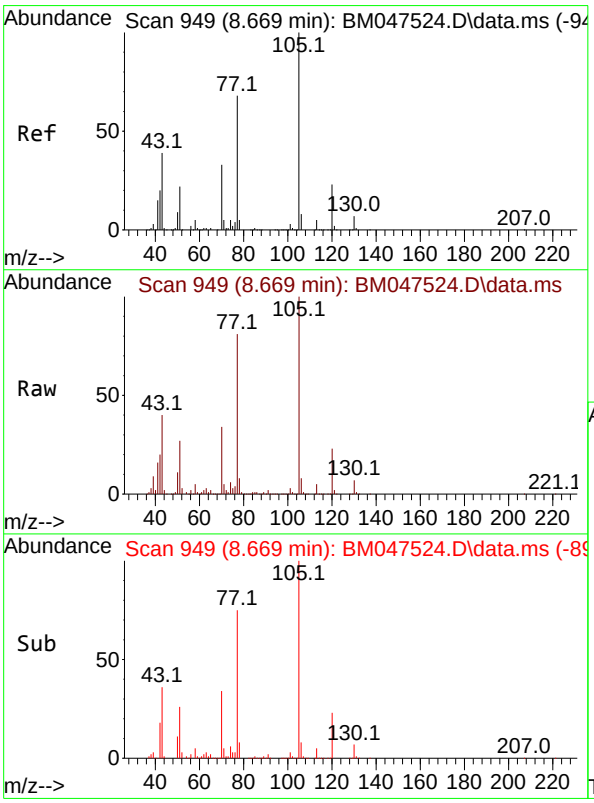
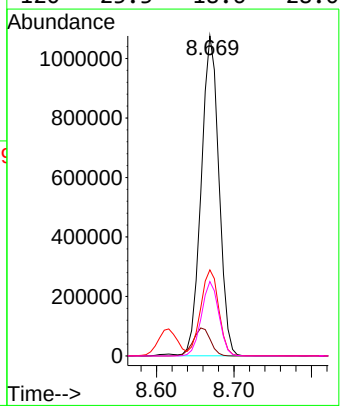
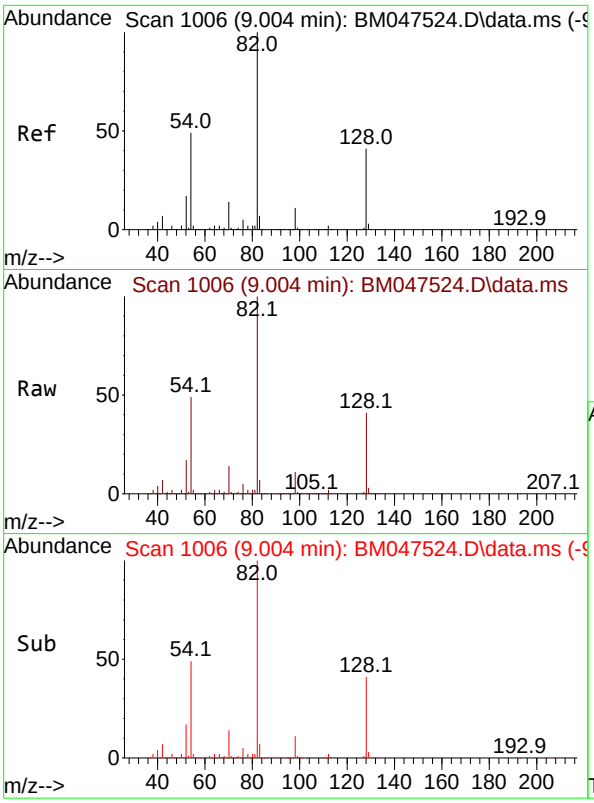



#22
Acetophenone
Concen: 40.072 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:105 Resp: 1704805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.4 | 4.3 | 6.5 |
| 51 | 26.9 | 21.5 | 32.3 |
| 120 | 23.3 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 81.256 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 82 Resp: 262738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.2 | 33.0 | 49.4 |
| 54 | 49.1 | 39.3 | 58.9 |

**Instrument :**
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SSTDICCC040

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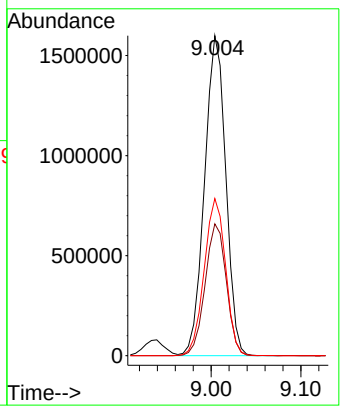
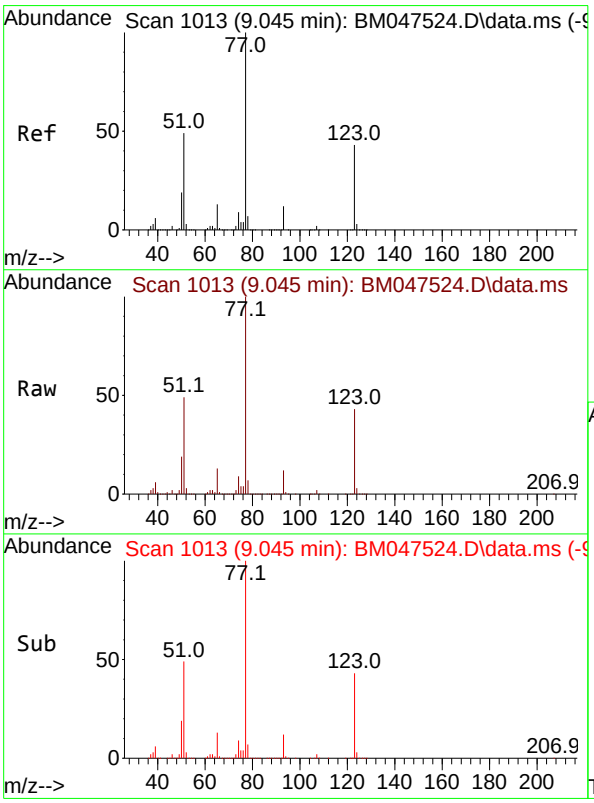
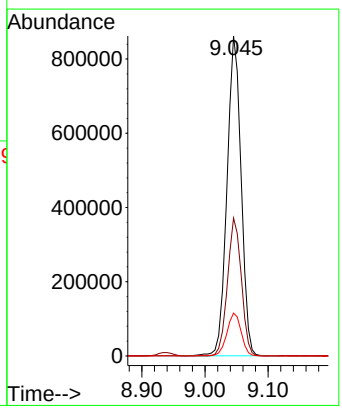


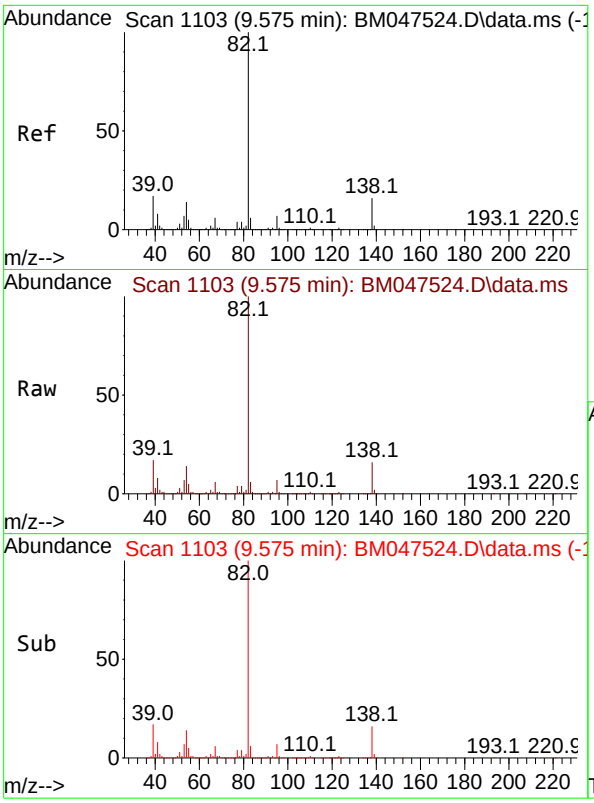




#24
Nitrobenzene
Concen: 40.229 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 1336633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.1 | 34.5 | 51.7 |
| 65 | 13.4 | 10.7 | 16.1 |

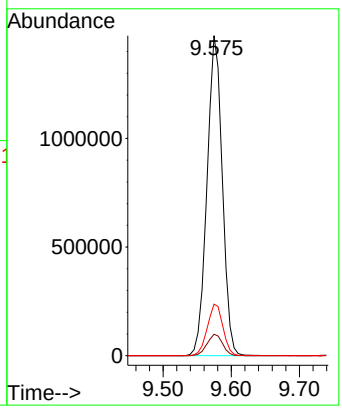





#25
Isophorone
Concen: 40.492 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 82 Resp: 230179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.4 | 8.0 |
| 138 | 16.1 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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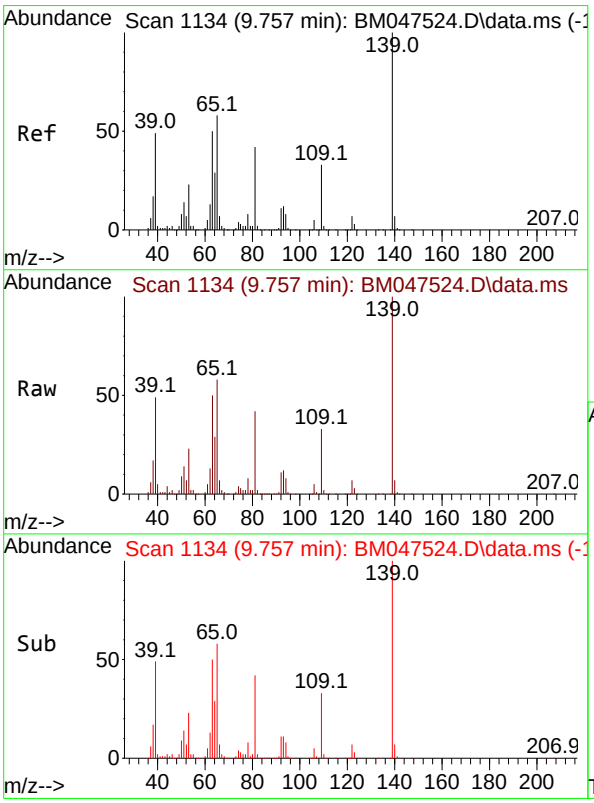
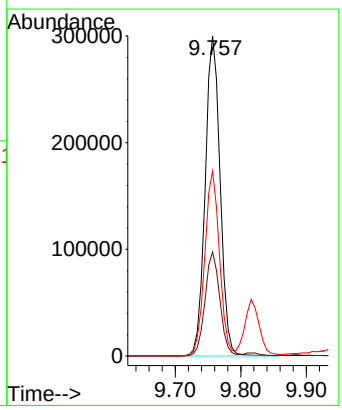
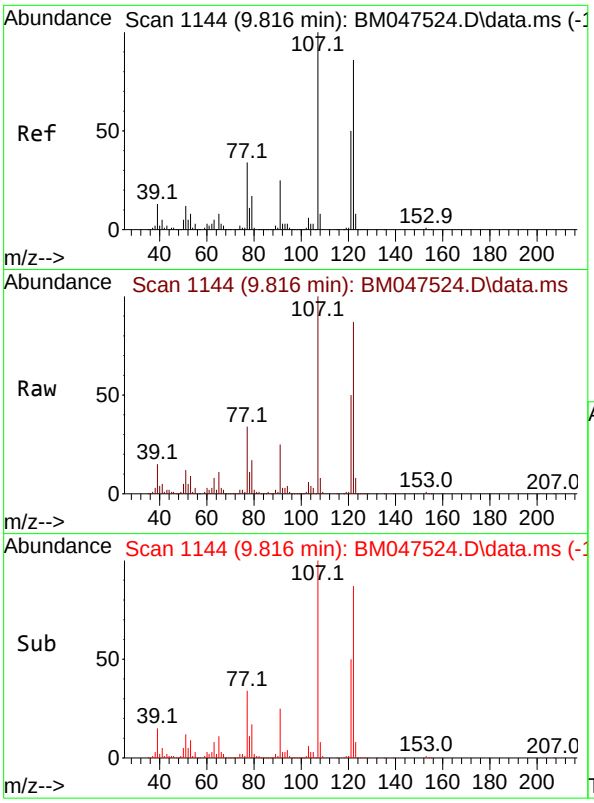



#26
2-Nitrophenol
Concen: 42.013 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:139 Resp: 475675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.5 | 26.0 | 39.0 |
| 65 | 57.8 | 46.2 | 69.4 |






#27
2,4-Dimethylphenol
Concen: 39.549 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:122 Resp: 67879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.5 | 92.4 | 138.6 |
| 121 | 57.8 | 46.2 | 69.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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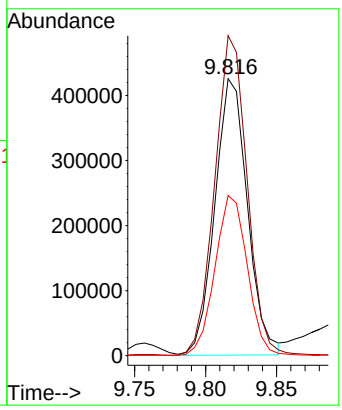
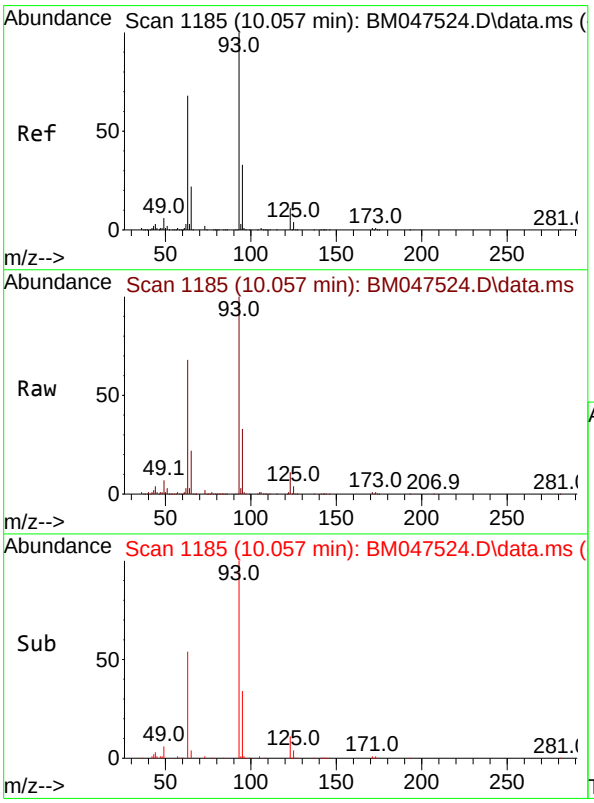
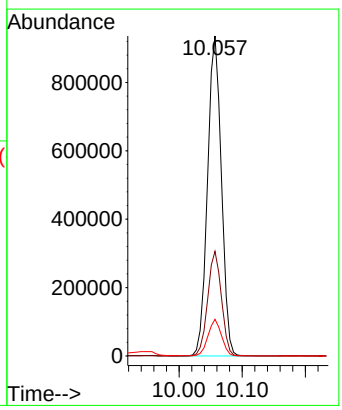


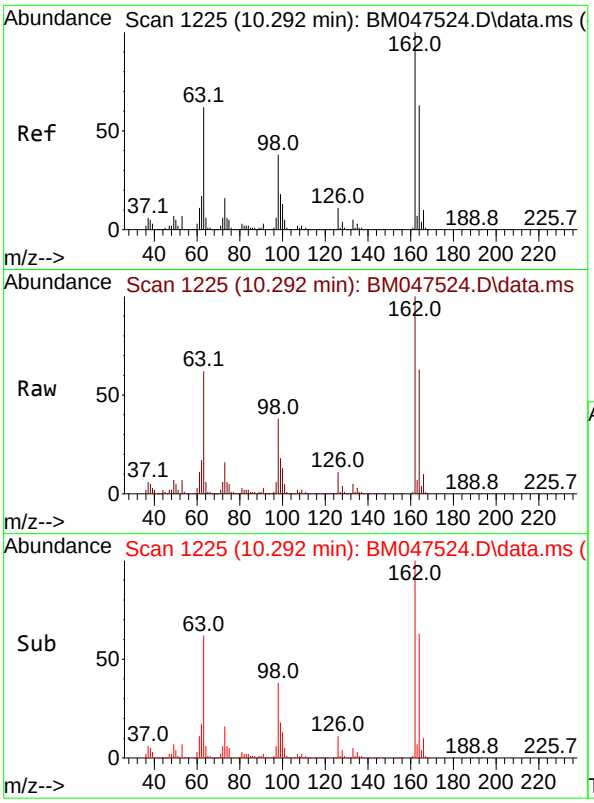




#28
bis(2-Chloroethoxy)methane
Concen: 39.933 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 93 Resp: 1425885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.2 |
| 123 | 11.5 | 9.2 | 13.8 |

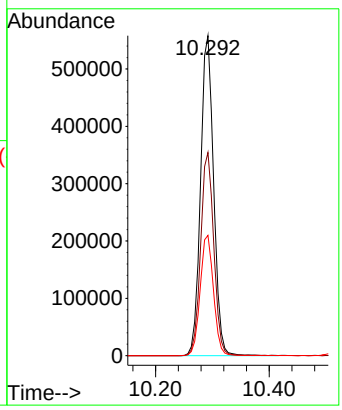





#29
2,4-Dichlorophenol
Concen: 40.842 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:162 Resp: 89058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 43.5 | 83.5 |
| 98 | 37.6 | 17.6 | 57.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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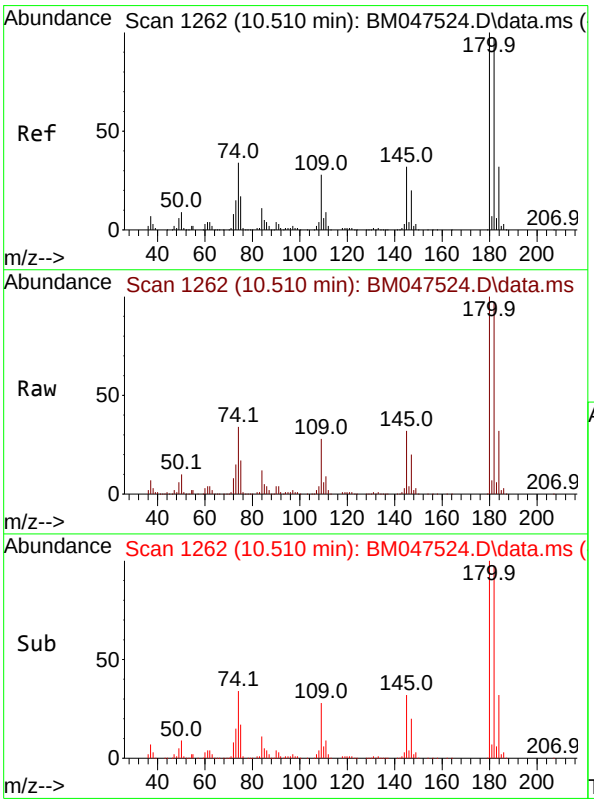
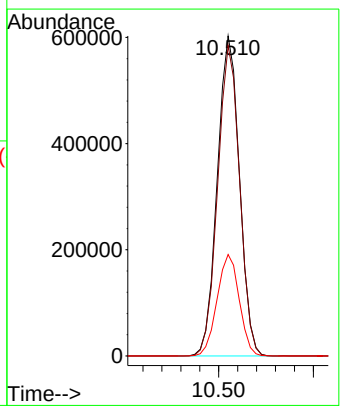
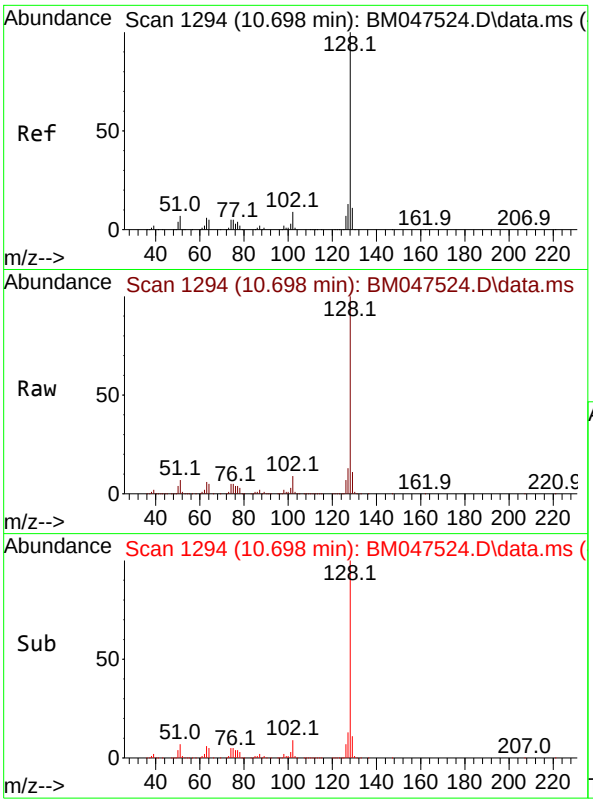



#30
1,2,4-Trichlorobenzene
Concen: 39.180 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:180 Resp: 978634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 77.6 | 116.4 |
| 145 | 31.7 | 25.4 | 38.0 |

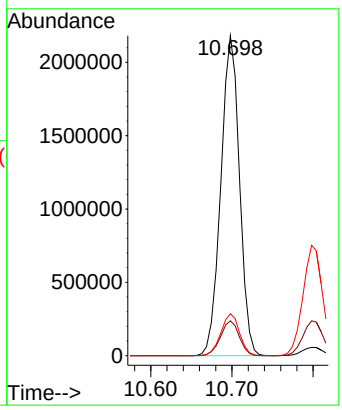





#31
Naphthalene
Concen: 39.874 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:128 Resp: 348479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.1 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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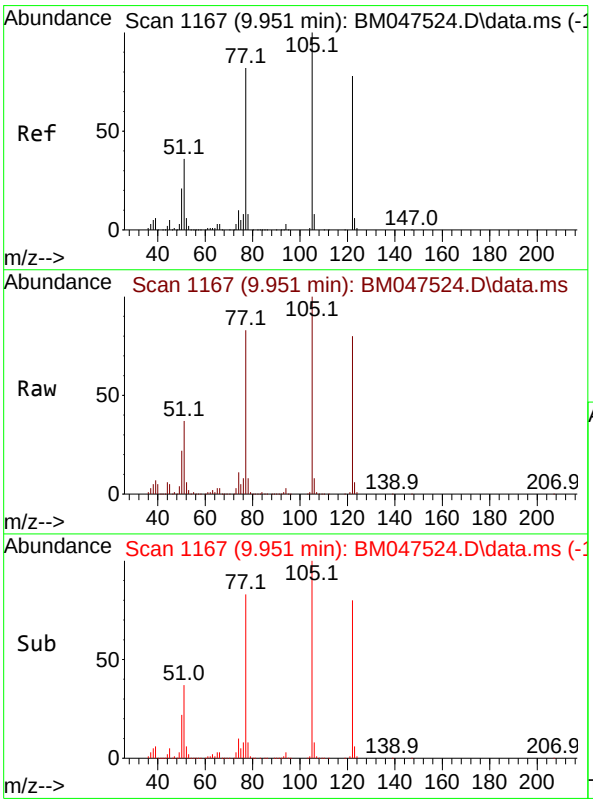
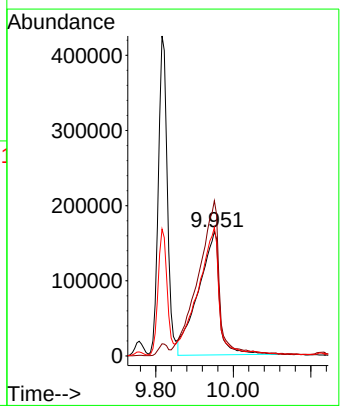
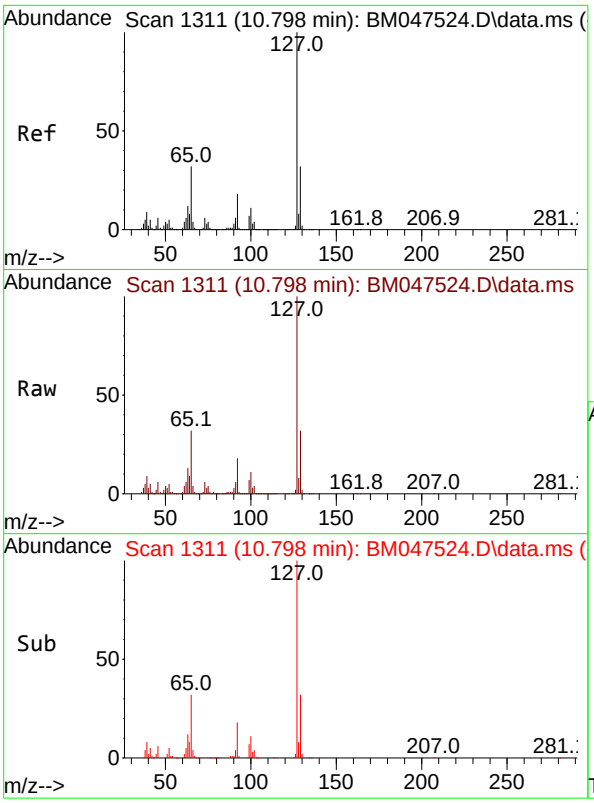



#32
Benzoic acid
Concen: 38.270 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:122 Resp: 621554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.7 | 104.7 | 144.7 |
| 77 | 103.4 | 83.4 | 123.4 |

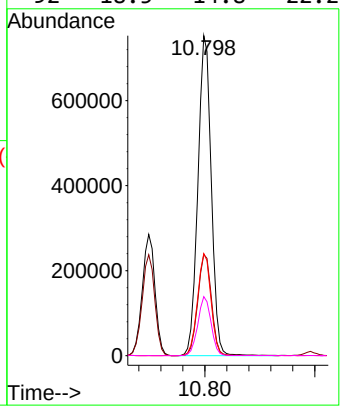





#33
4-Chloroaniline
Concen: 40.249 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:127 Resp: 127181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 25.4 | 38.0 |
| 65 | 31.9 | 25.5 | 38.3 |
| 92 | 18.5 | 14.8 | 22.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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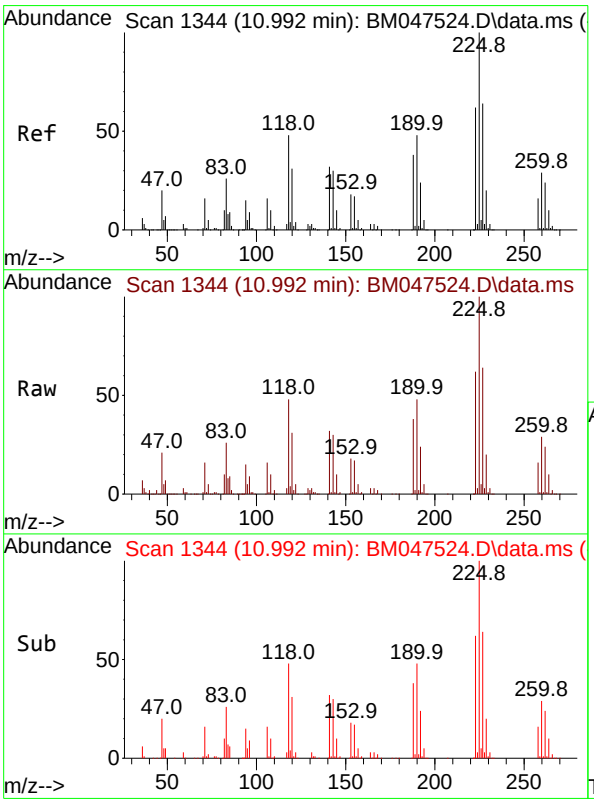
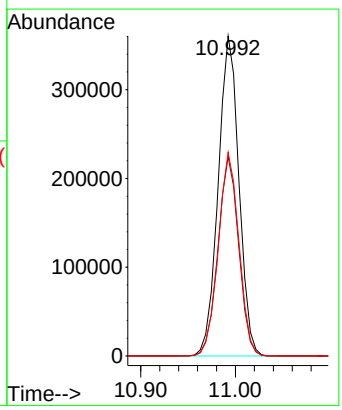
Supervised By :mohammad ahmed 09/17/2024

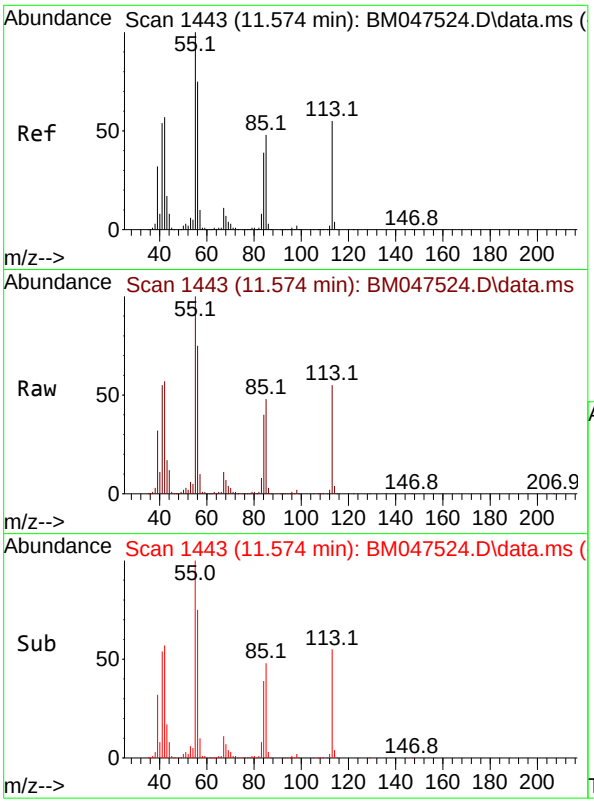



#34
Hexachlorobutadiene
Concen: 39.622 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:225 Resp: 548156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 49.8 | 74.6 |
| 227 | 63.7 | 51.0 | 76.4 |

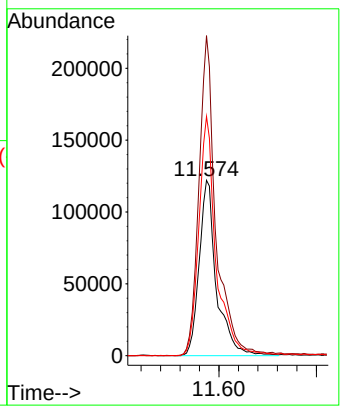





#35
Caprolactam
Concen: 42.014 ng
RT: 11.574 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:113 Resp: 30177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 182.5 | 162.5 | 202.5 |
| 56 | 136.5 | 116.5 | 156.5 |




**Instrument :**
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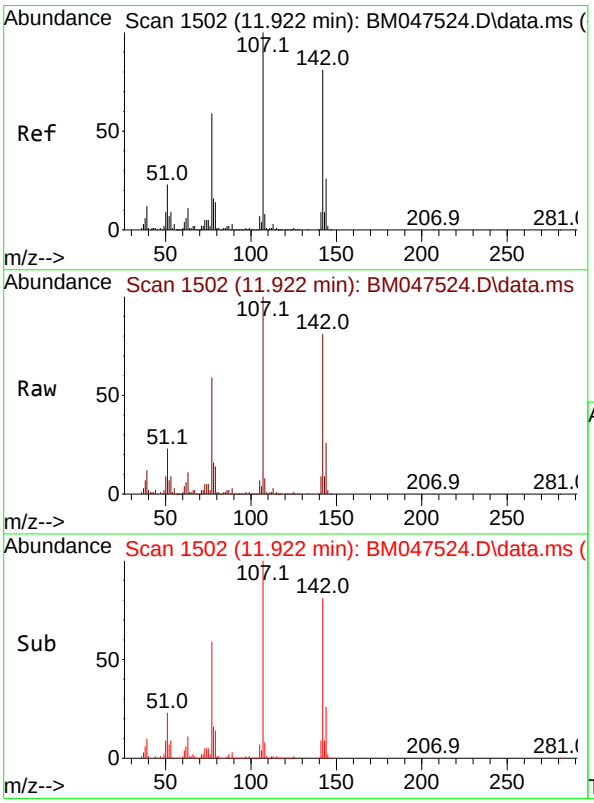
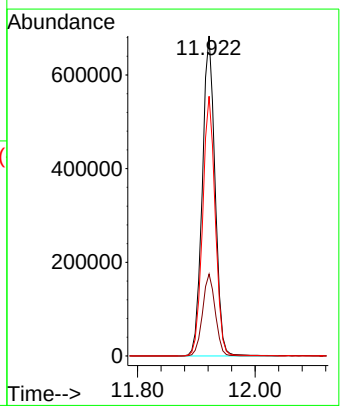
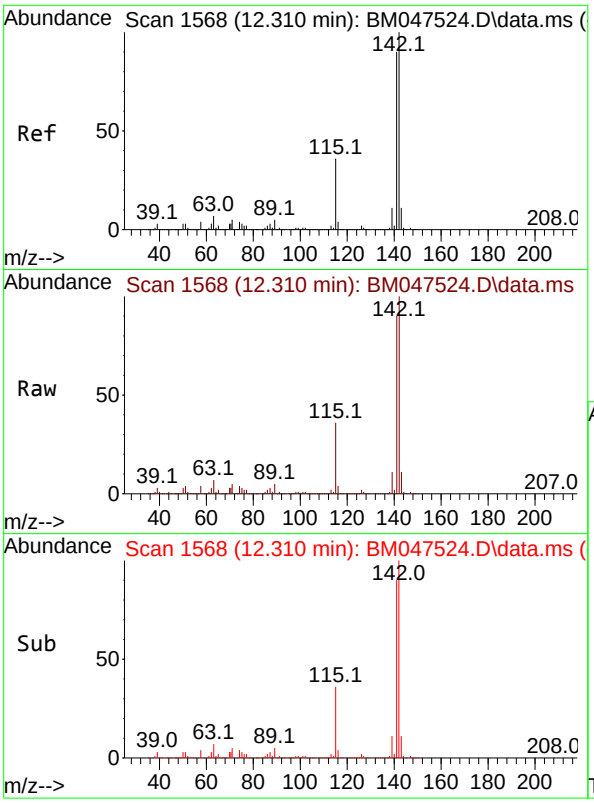



#36
4-Chloro-3-methylphenol
Concen: 41.207 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:107 Resp: 1029746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.6 | 20.5 | 30.7 |
| 142 | 81.2 | 65.0 | 97.4 |

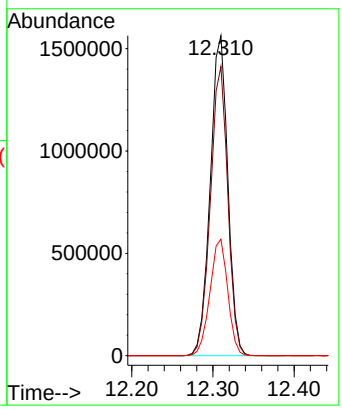





#37
2-Methylnaphthalene
Concen: 40.402 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:142 Resp: 235006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 72.2 | 108.4 |
| 115 | 36.4 | 29.1 | 43.7 |




**Instrument :**
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**Manual Integrations**
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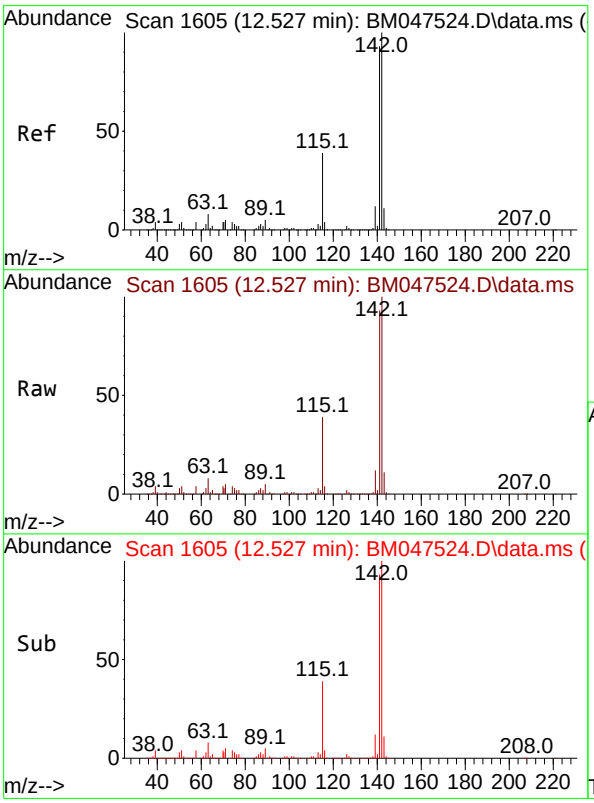
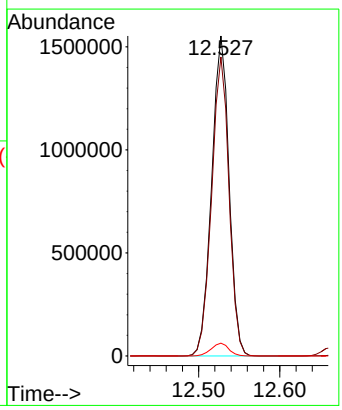
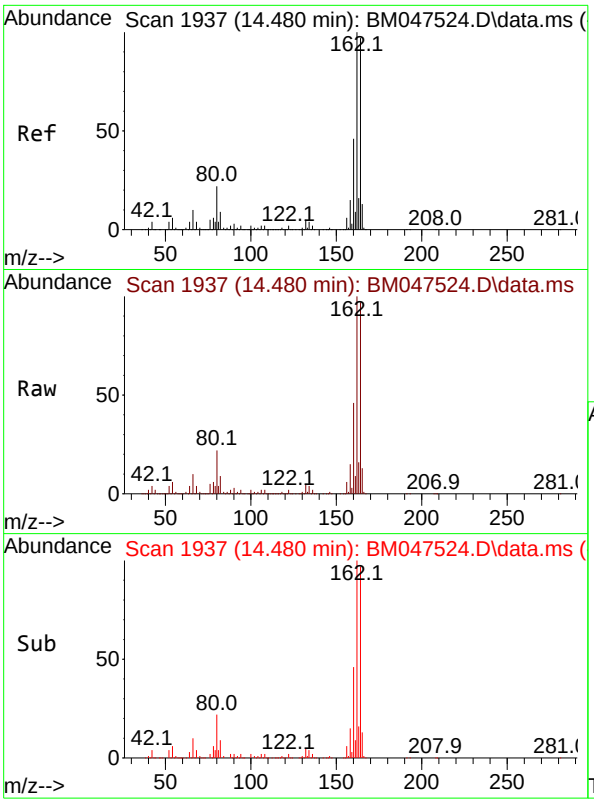



#38
1-Methylnaphthalene
Concen: 40.060 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:142 Resp: 2315698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.4 | 74.7 | 112.1 |
| 116 | 4.0 | 3.2 | 4.8 |

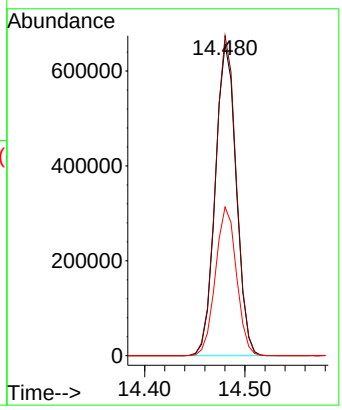





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:164 Resp: 94775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 82.2 | 123.2 |
| 160 | 47.7 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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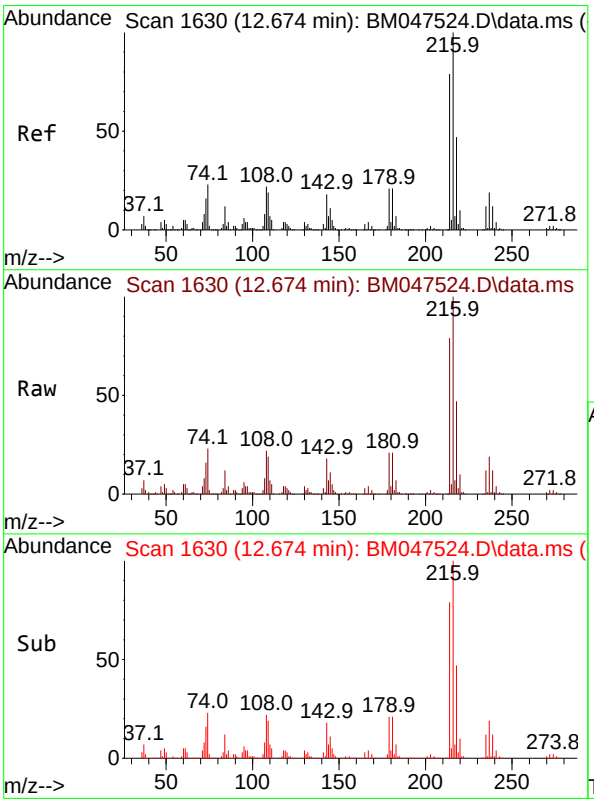
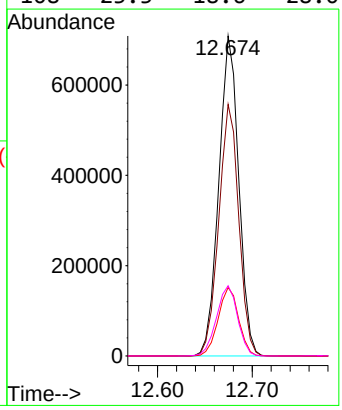
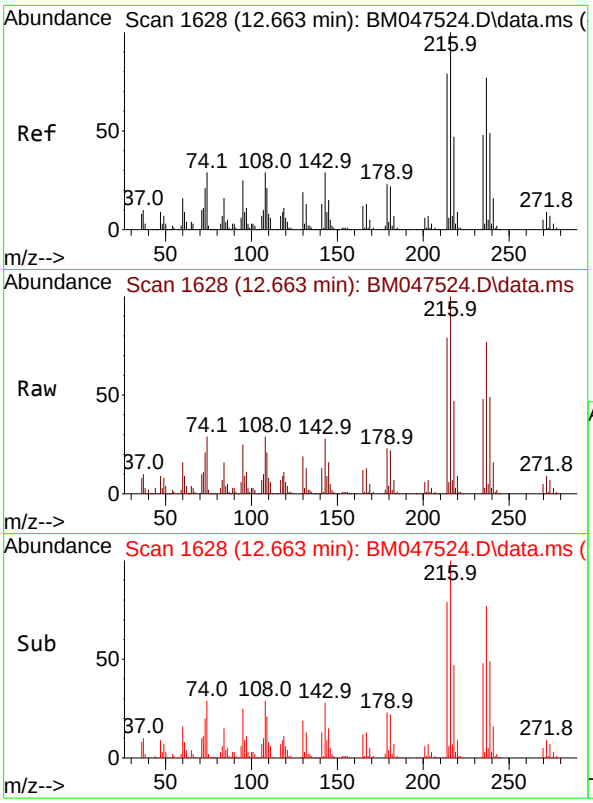



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.457 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:216 Resp: 1037544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.0 | 94.6 |
| 179 | 21.9 | 17.5 | 26.3 |
| 108 | 23.3 | 18.6 | 28.0 |

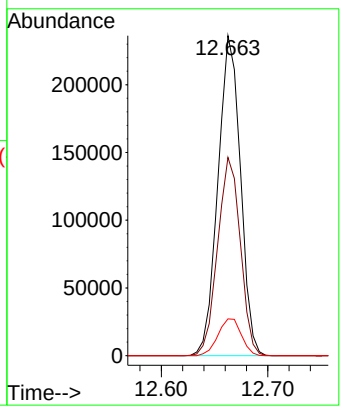





#41
Hexachlorocyclopentadiene
Concen: 41.288 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:237 Resp: 34614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 42.0 | 82.0 |
| 272 | 11.5 | 0.0 | 31.5 |




**Instrument :**
BNA_M
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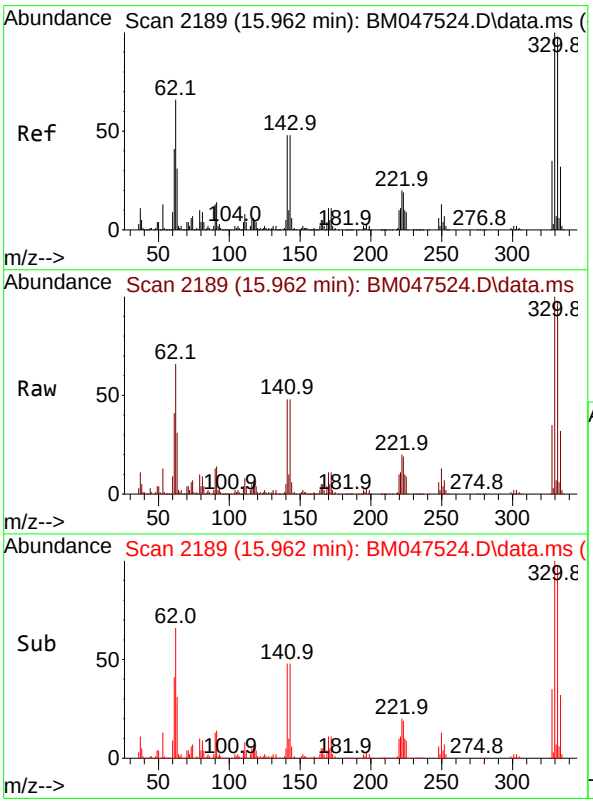
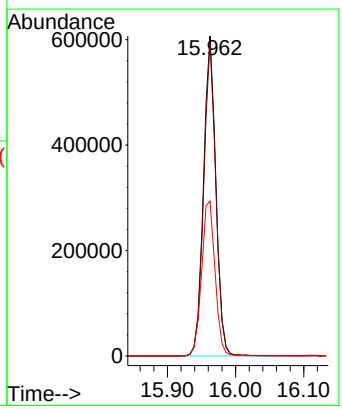
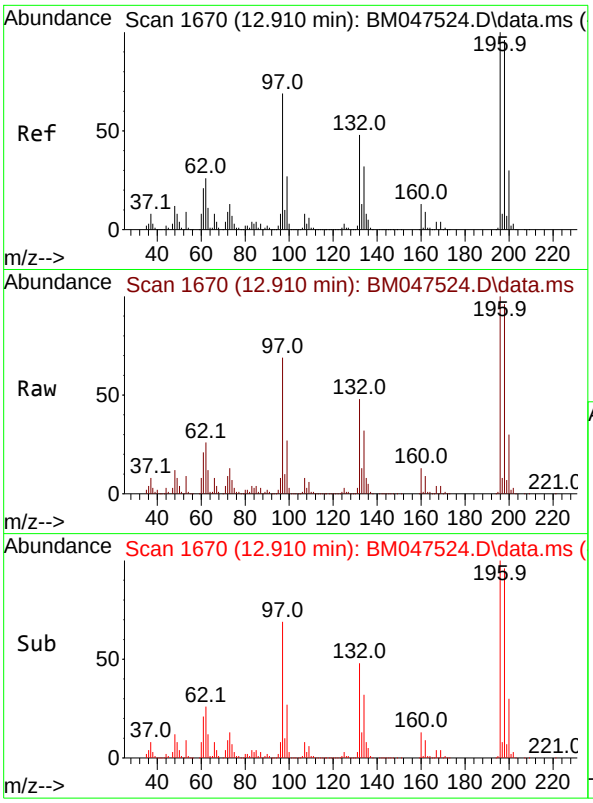



#42
2,4,6-Tribromophenol
Concen: 83.770 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:330 Resp: 767403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 52.7 | 42.2 | 63.2 |

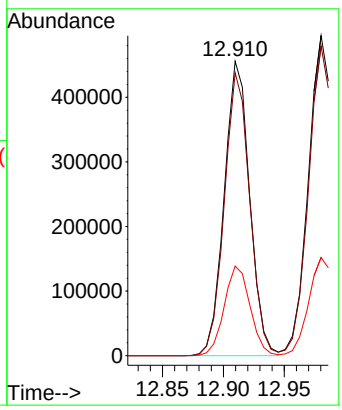





#43
2,4,6-Trichlorophenol
Concen: 41.294 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:196 Resp: 66346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.9 | 115.3 |
| 200 | 30.4 | 24.3 | 36.5 |




**Instrument :**
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SSTDICCC040

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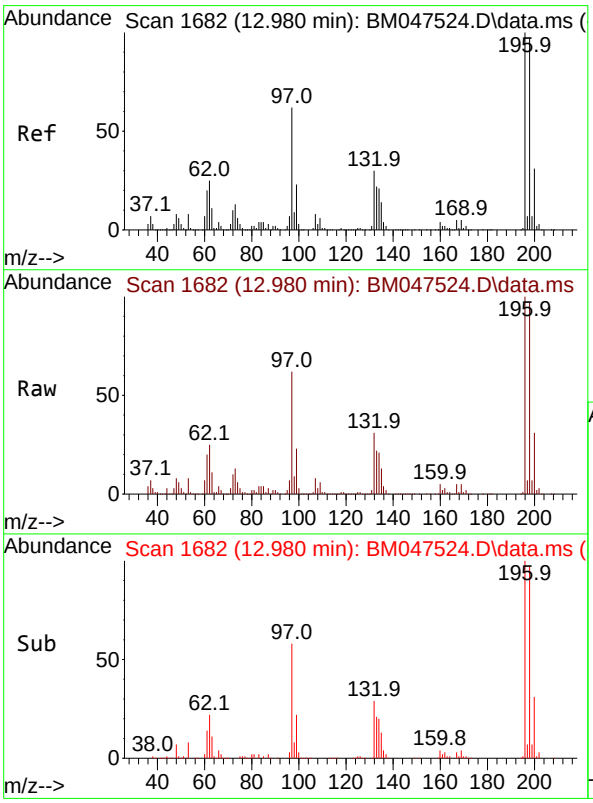
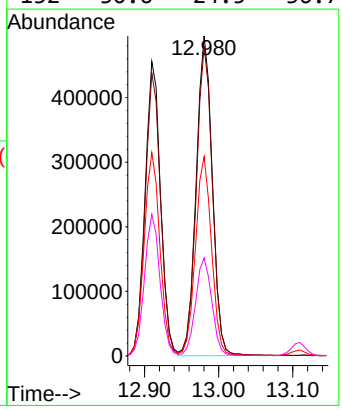
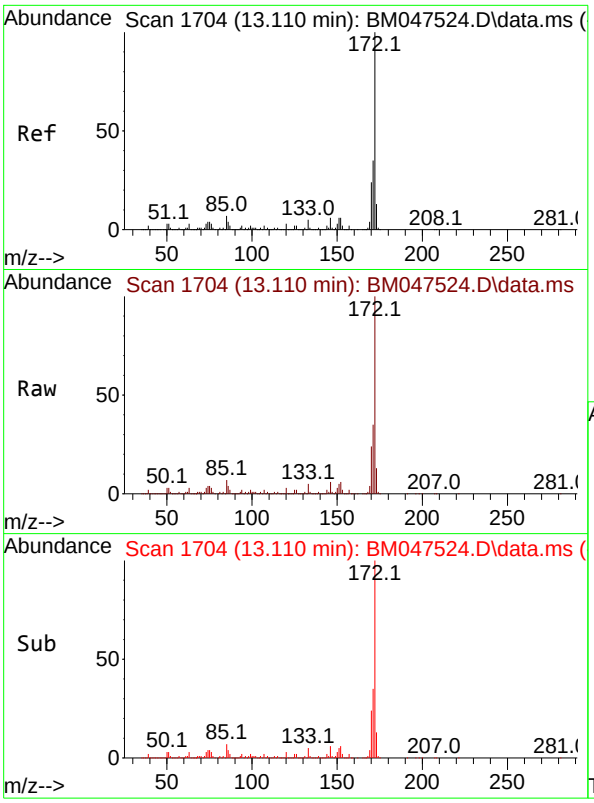



#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:196 Resp: 749195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 77.4 | 116.2 |
| 97 | 62.3 | 49.8 | 74.8 |
| 132 | 30.6 | 24.5 | 36.7 |

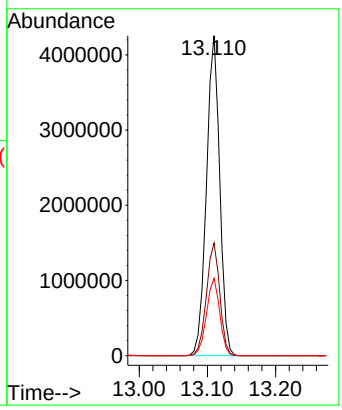





#45
2-Fluorobiphenyl
Concen: 83.482 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:172 Resp: 574366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.2 | 42.2 |
| 170 | 24.2 | 19.4 | 29.0 |




**Instrument :**
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SSTDICCC040

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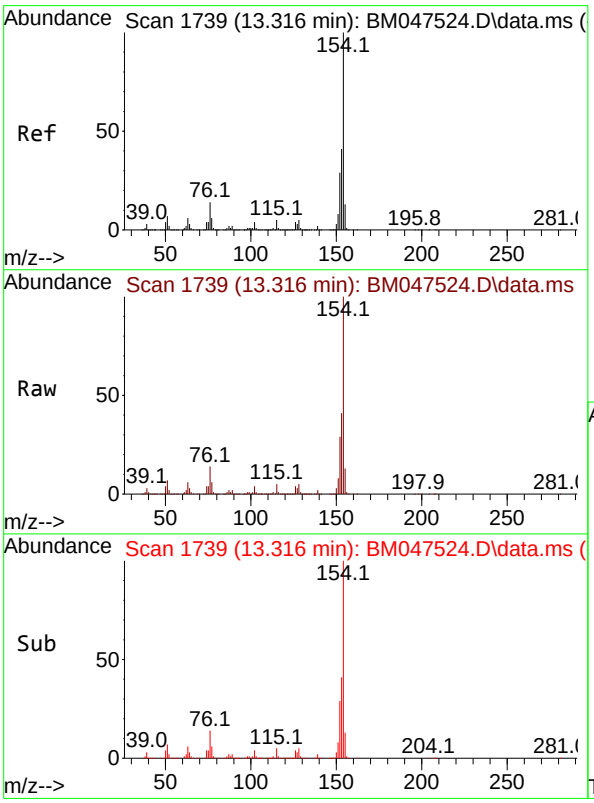
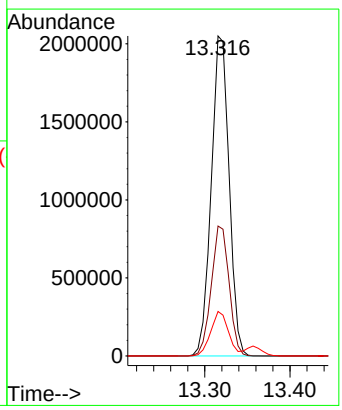
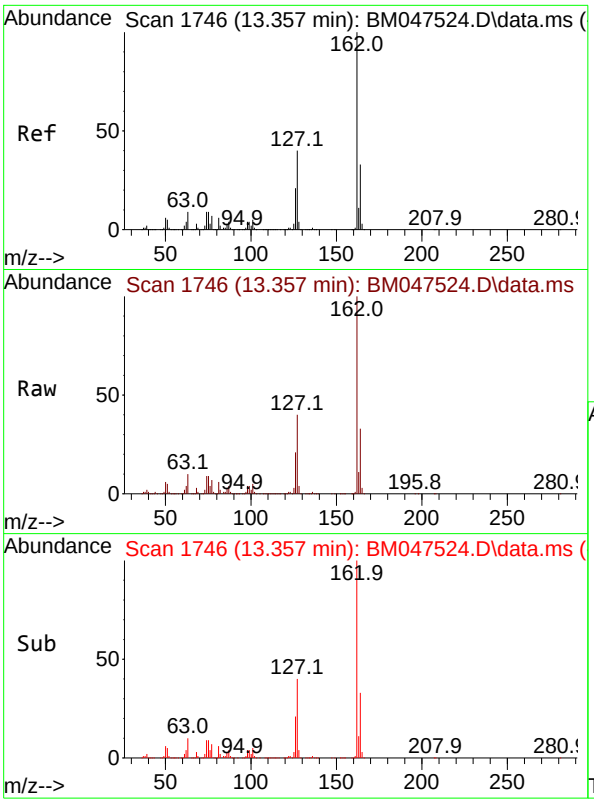



#46
1,1'-Biphenyl
Concen: 40.379 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:154 Resp: 2977591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.6 | 60.6 |
| 76 | 13.9 | 0.0 | 33.9 |

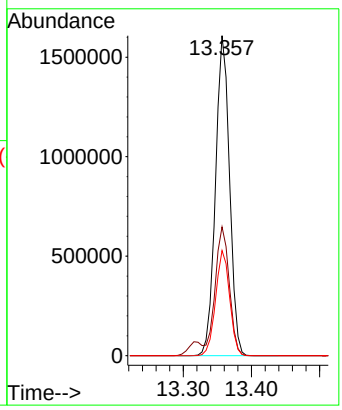





#47
2-Chloronaphthalene
Concen: 40.329 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:162 Resp: 230917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.3 | 32.2 | 48.4 |
| 164 | 32.9 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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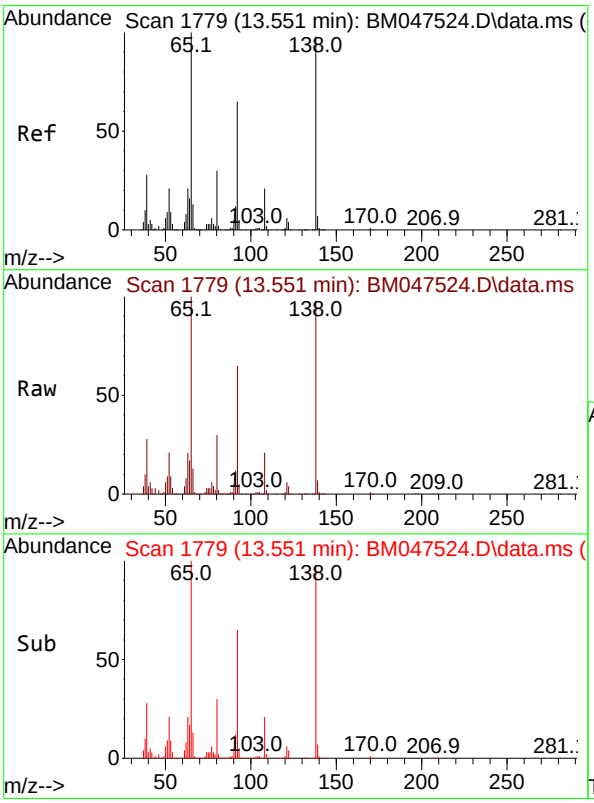
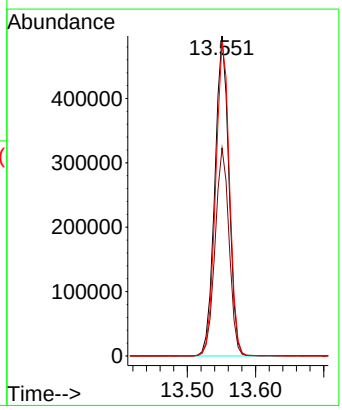
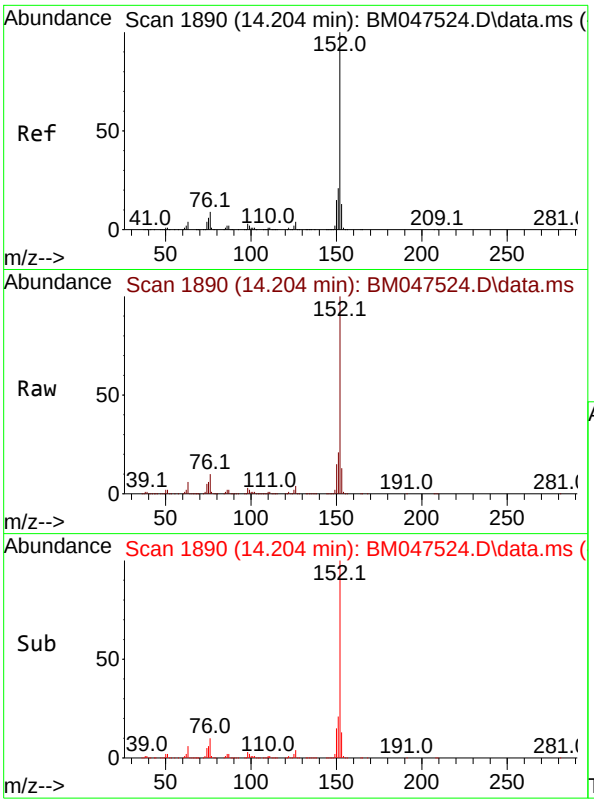



#48
2-Nitroaniline
Concen: 42.331 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 65 Resp: 711905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.9 | 51.9 | 77.9 |
| 138 | 98.1 | 78.5 | 117.7 |

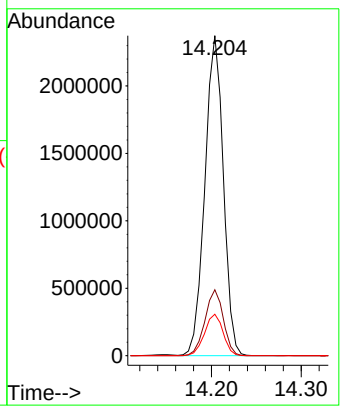





#49
Acenaphthylene
Concen: 41.020 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:152 Resp: 338938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 16.5 | 24.7 |
| 153 | 13.0 | 10.4 | 15.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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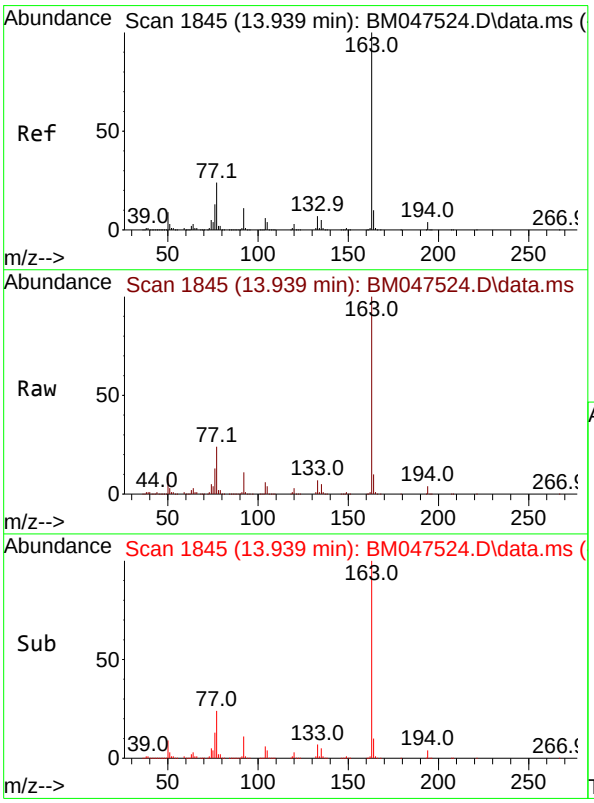
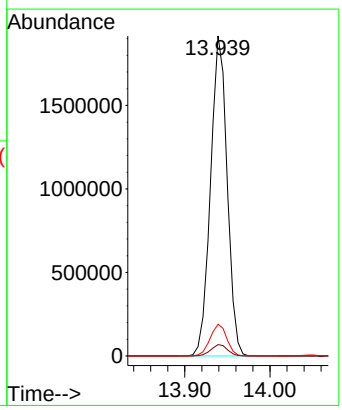
Supervised By :mohammad ahmed 09/17/2024

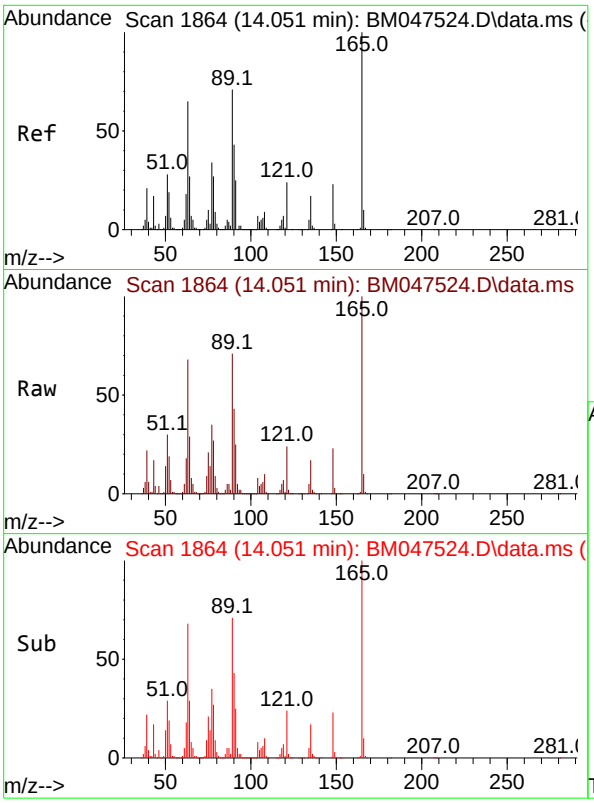



#50
Dimethylphthalate
Concen: 40.269 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:163 Resp: 2601271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 2.9 | 4.3 |
| 164 | 9.9 | 7.9 | 11.9 |

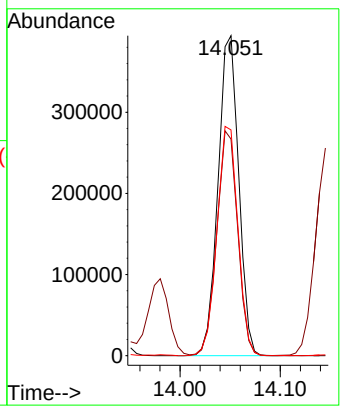





#51
2,6-Dinitrotoluene
Concen: 41.241 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:165 Resp: 56239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 67.7 | 54.2 | 81.2 |
| 89 | 70.5 | 56.4 | 84.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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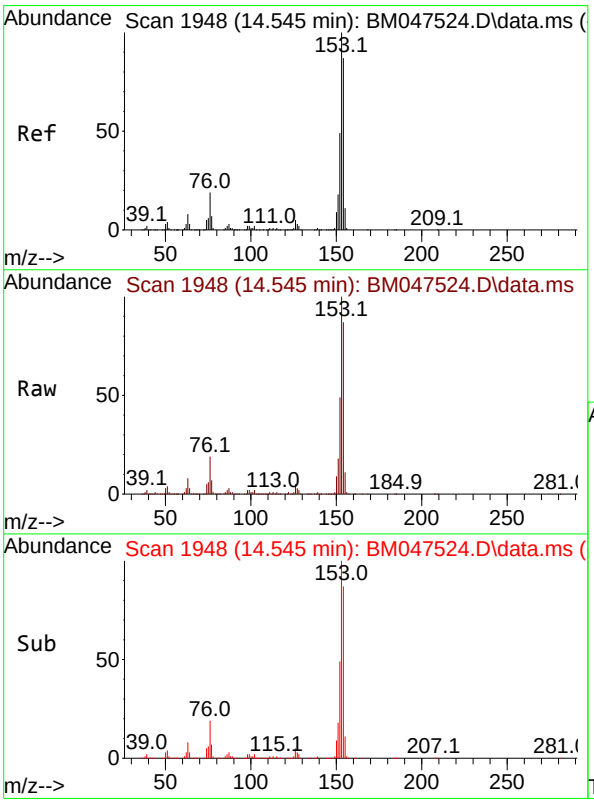
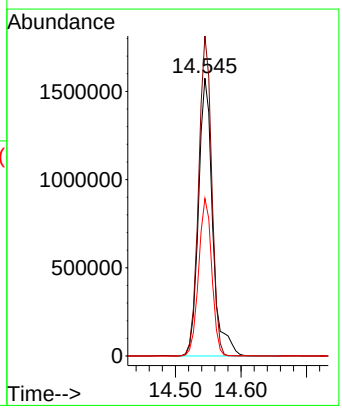
Supervised By :mohammad ahmed 09/17/2024

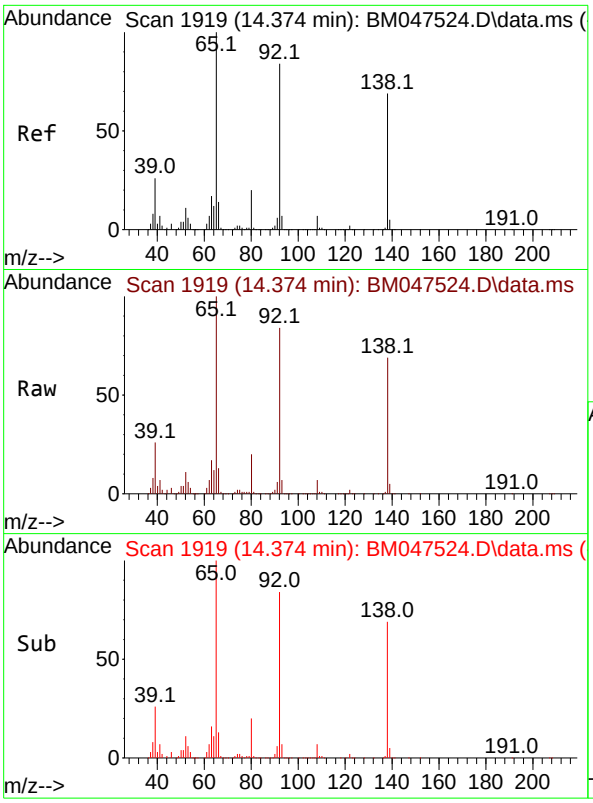



#52
Acenaphthene
Concen: 40.830 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:154 Resp: 2363816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.2 | 92.2 | 138.2 |
| 152 | 56.7 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 41.980 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:138 Resp: 63630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.0 | 12.0 |
| 92 | 121.7 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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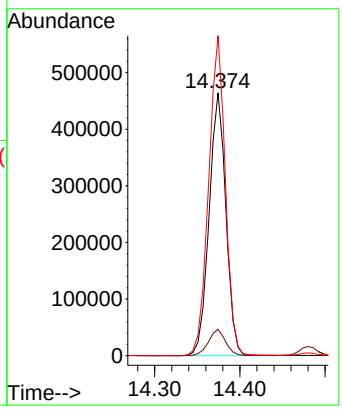
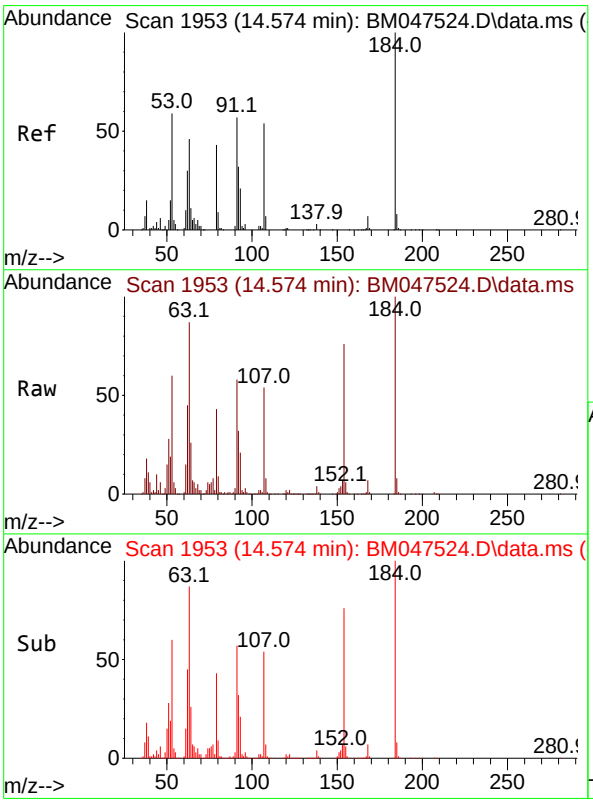
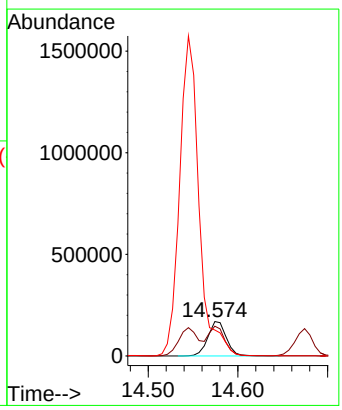


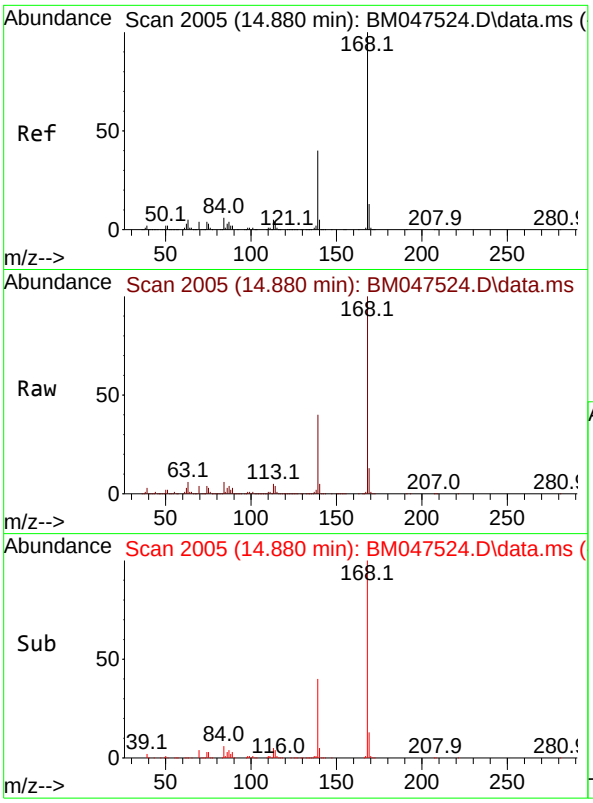




#54
2,4-Dinitrophenol
Concen: 40.526 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:184 Resp: 242408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 86.7 | 69.4 | 104.0 |
| 154 | 75.5 | 60.4 | 90.6 |






#55
Dibenzofuran
Concen: 40.401 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:168 Resp: 328680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.9 | 47.9 |
| 169 | 13.1 | 10.5 | 15.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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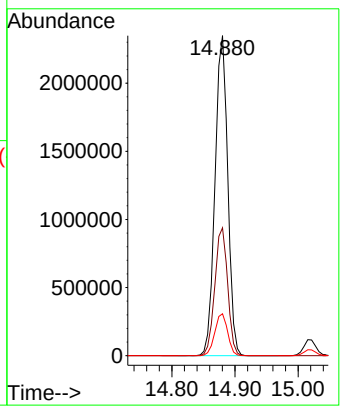
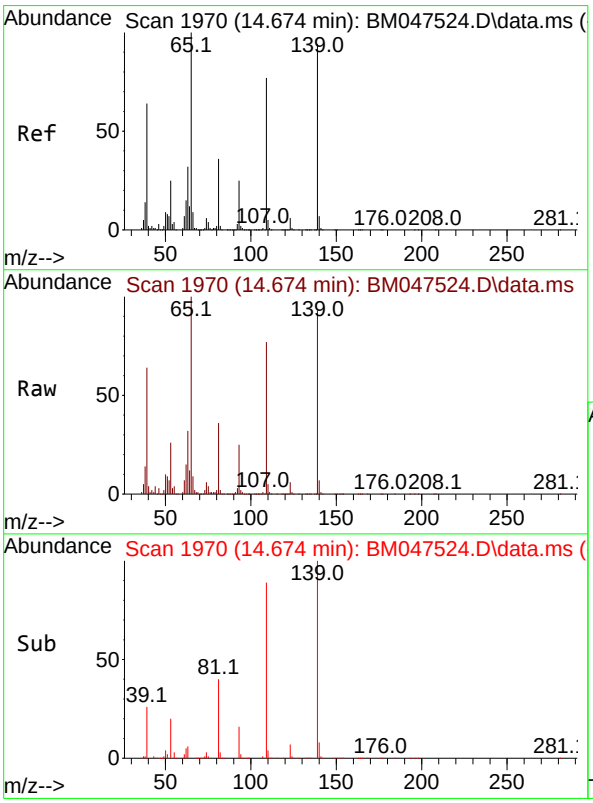
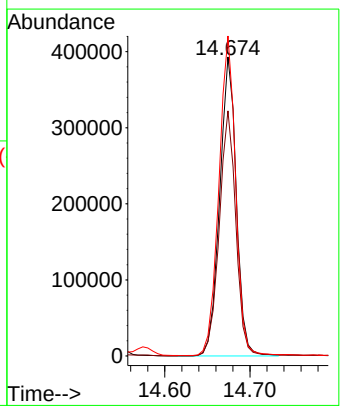


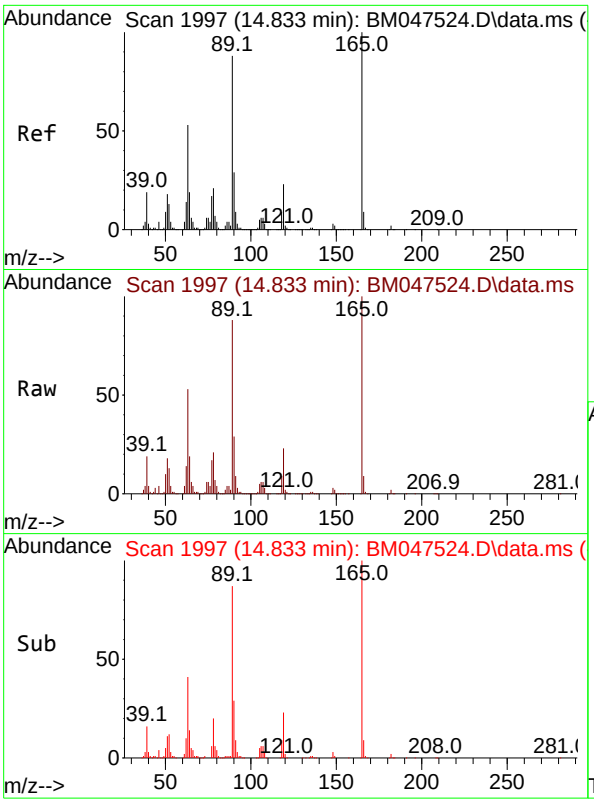




#56
4-Nitrophenol
Concen: 42.781 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:139 Resp: 533596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.0 | 62.0 | 102.0 |
| 65 | 107.0 | 87.0 | 127.0 |

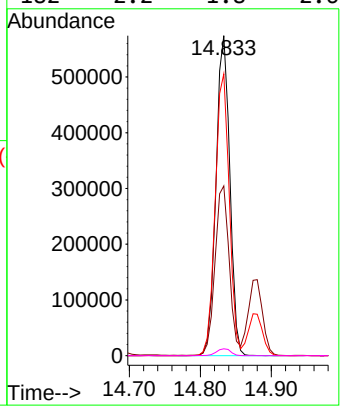





#57
2,4-Dinitrotoluene
Concen: 42.471 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:165 Resp: 77243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 88.1 | 70.5 | 105.7 |
| 182 | 2.2 | 1.8 | 2.6 |




**Instrument :**
BNA_M
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SSTDICCC040

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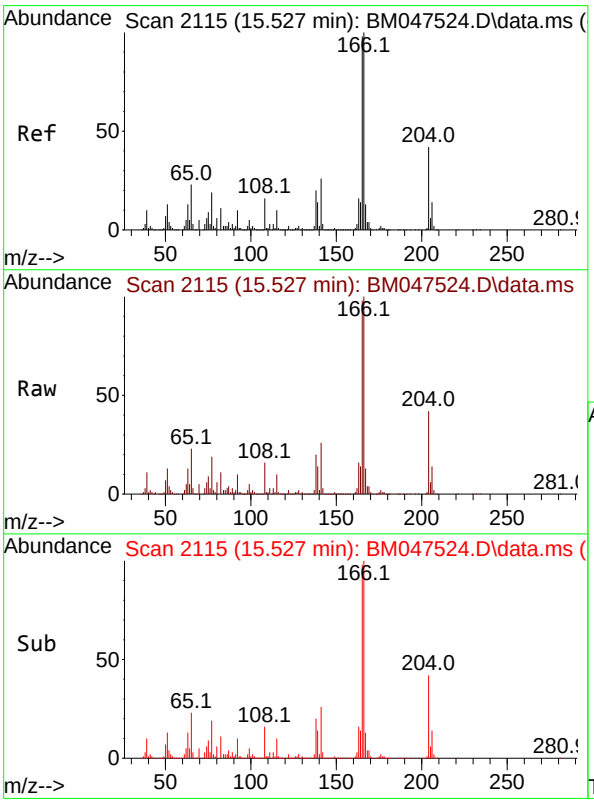
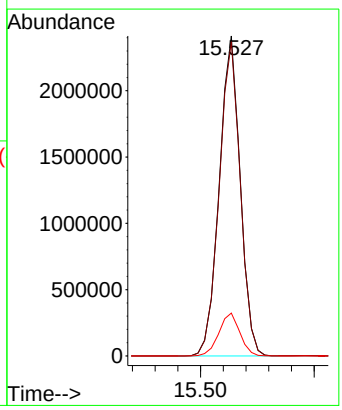
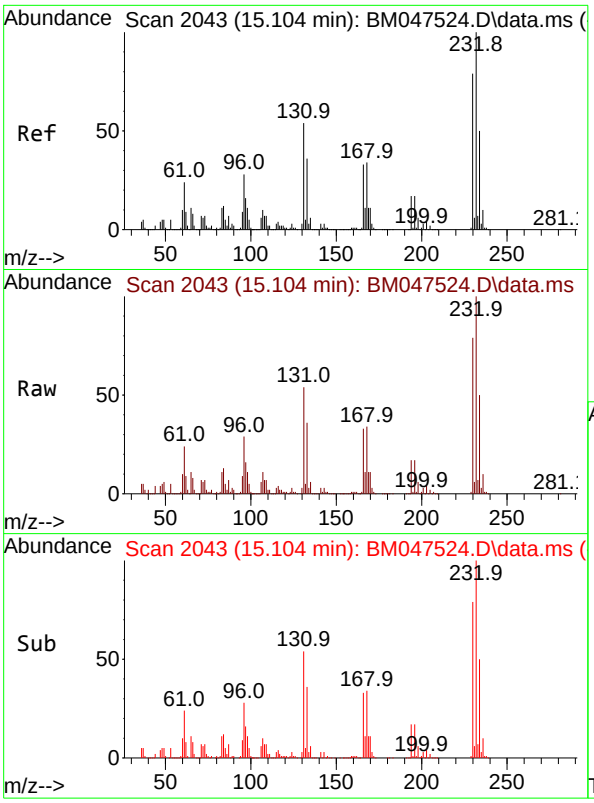



#58
Fluorene
Concen: 42.182 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:166 Resp: 3089638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 78.6 | 117.8 |
| 167 | 13.4 | 10.7 | 16.1 |

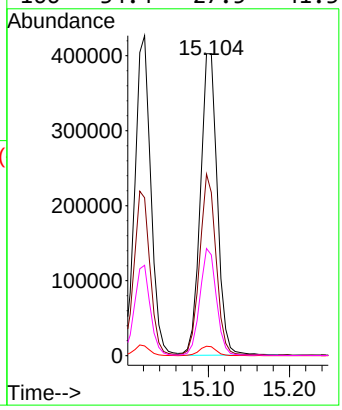





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.011 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:232 Resp: 58026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 58.7 | 47.0 | 70.4 |
| 130 | 3.2 | 2.6 | 3.8 |
| 166 | 34.4 | 27.5 | 41.3 |




**Instrument :**
BNA_M
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SSTDICCC040

**Manual Integrations**
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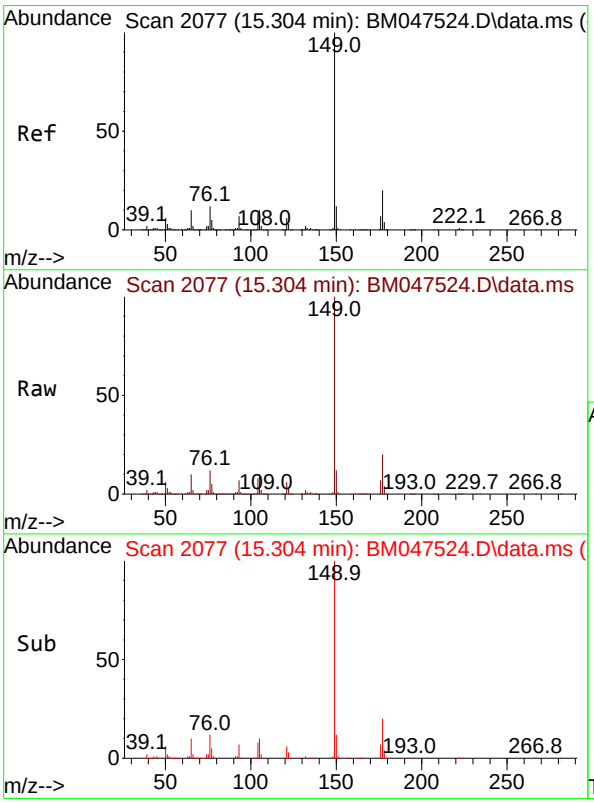
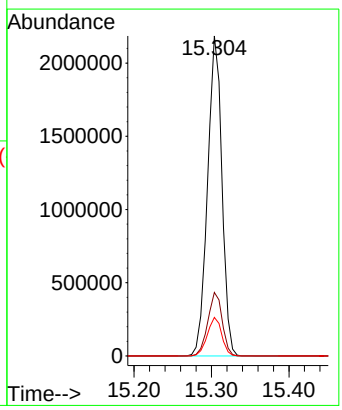
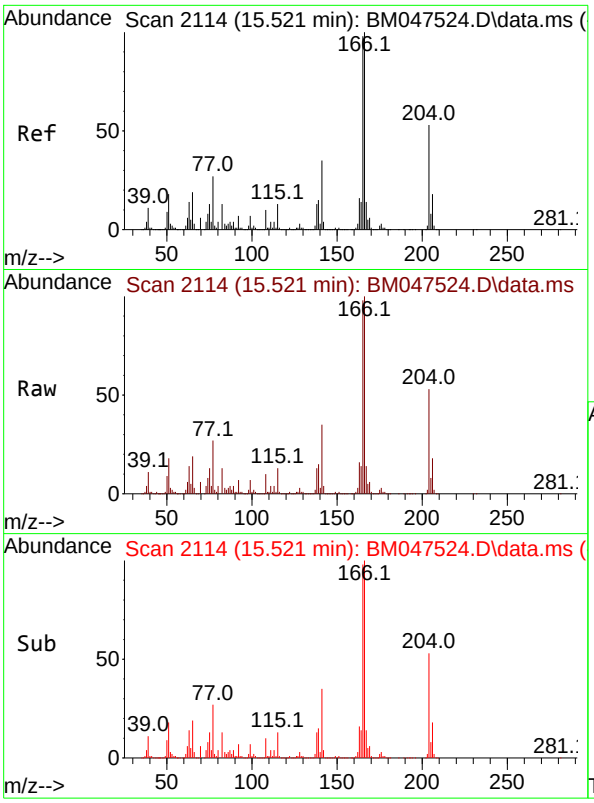



#60
Diethylphthalate
Concen: 40.869 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 2809721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.8 | 15.8 | 23.8 |
| 150 | 12.1 | 9.7 | 14.5 |

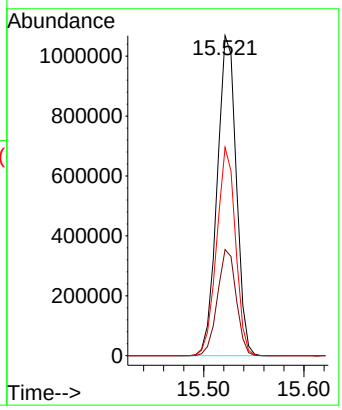





#61
4-Chlorophenyl-phenylether
Concen: 42.091 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:204 Resp: 140966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.5 | 39.7 |
| 141 | 65.1 | 52.1 | 78.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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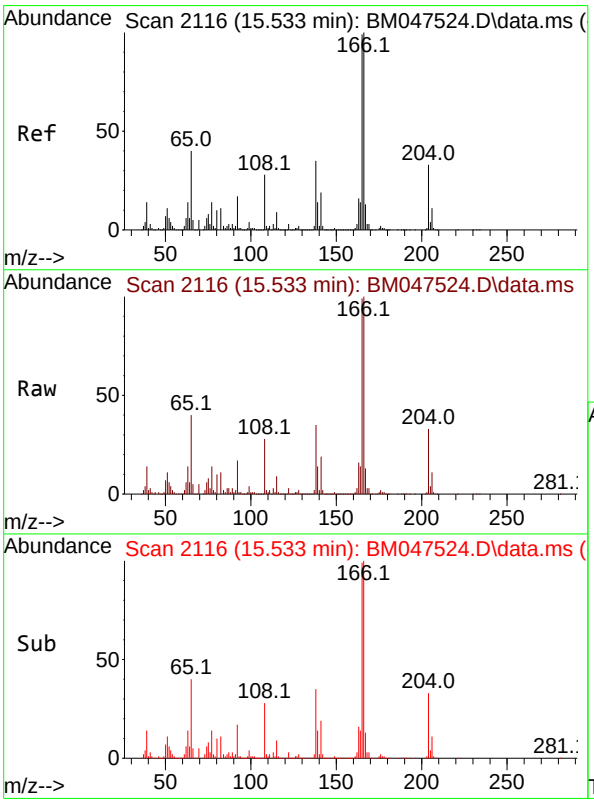
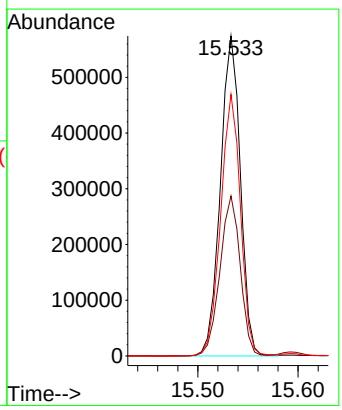
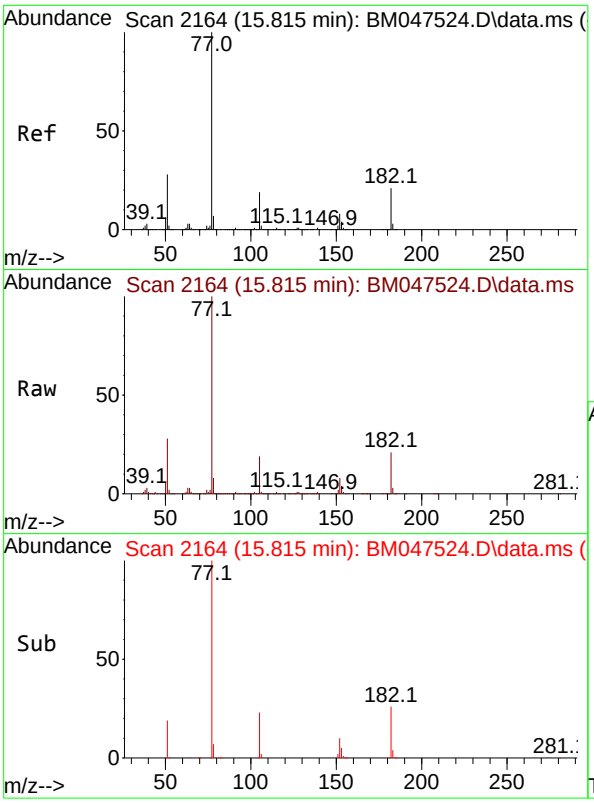



#62
4-Nitroaniline
Concen: 44.661 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:138 Resp: 795712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.0 | 30.0 | 70.0 |
| 108 | 81.7 | 61.7 | 101.7 |

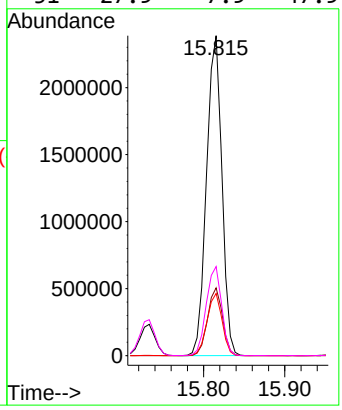





#63
Azobenzene
Concen: 41.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion: 77 Resp: 313487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 21.2 | 1.2 | 41.2 |
| 105 | 19.4 | 0.0 | 39.4 |
| 51 | 27.9 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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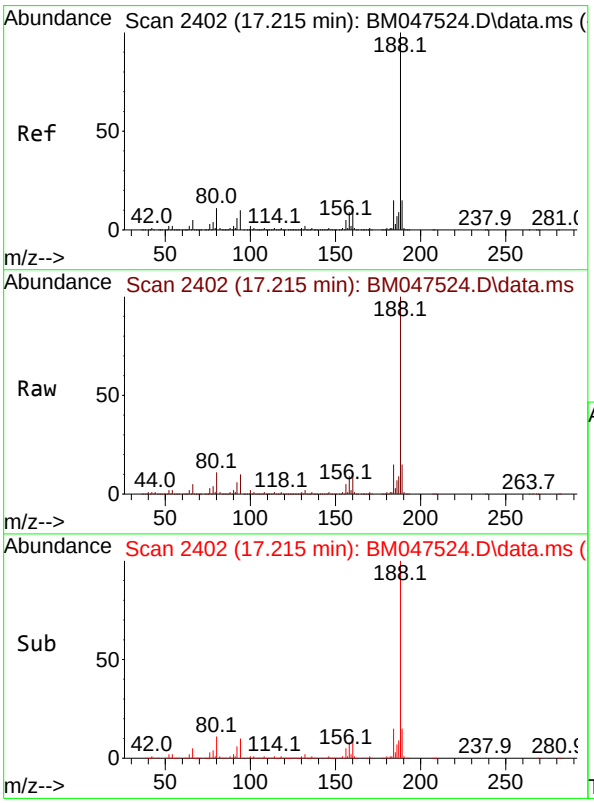
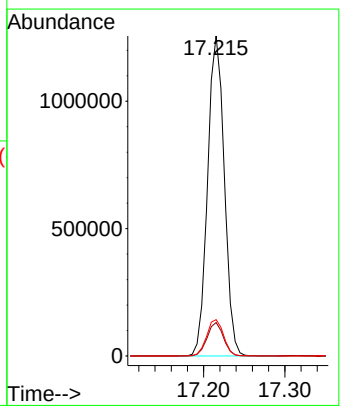
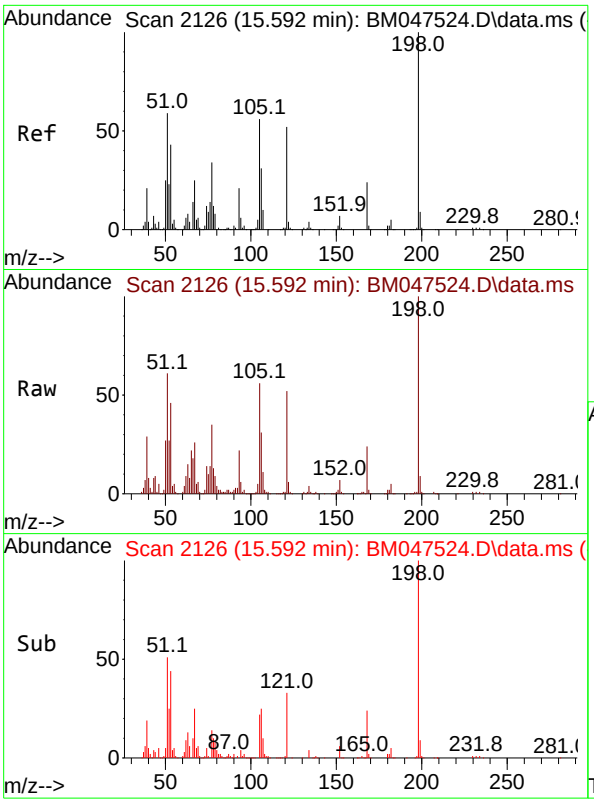



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:188 Resp: 1792326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.4 | 12.6 |
| 80 | 11.4 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 37.677 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:198 Resp: 32740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 61.5 | 41.5 | 81.5 |
| 105 | 56.4 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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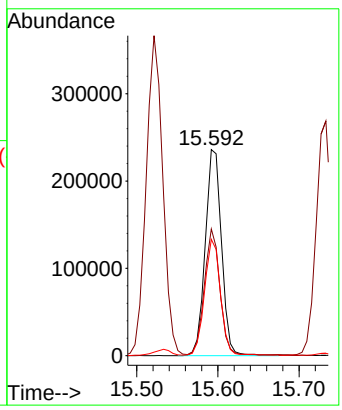
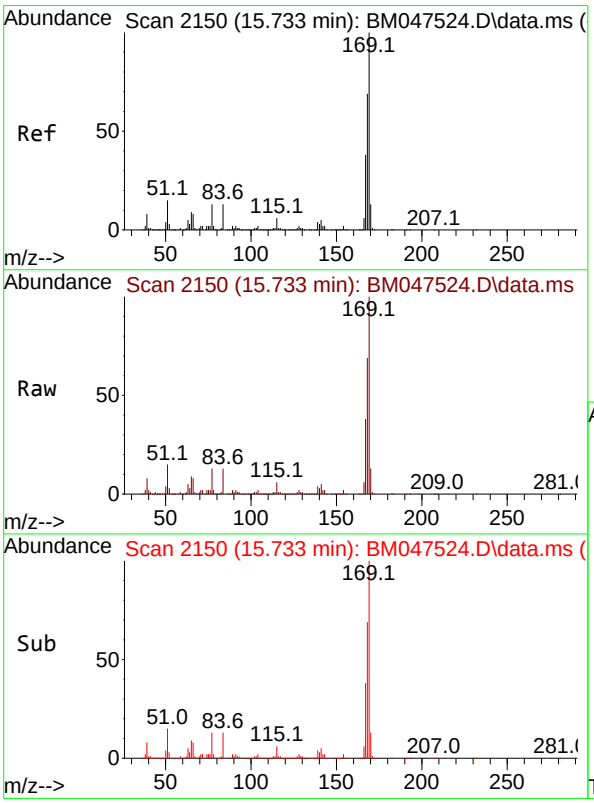
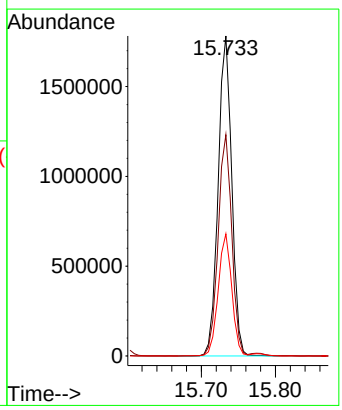


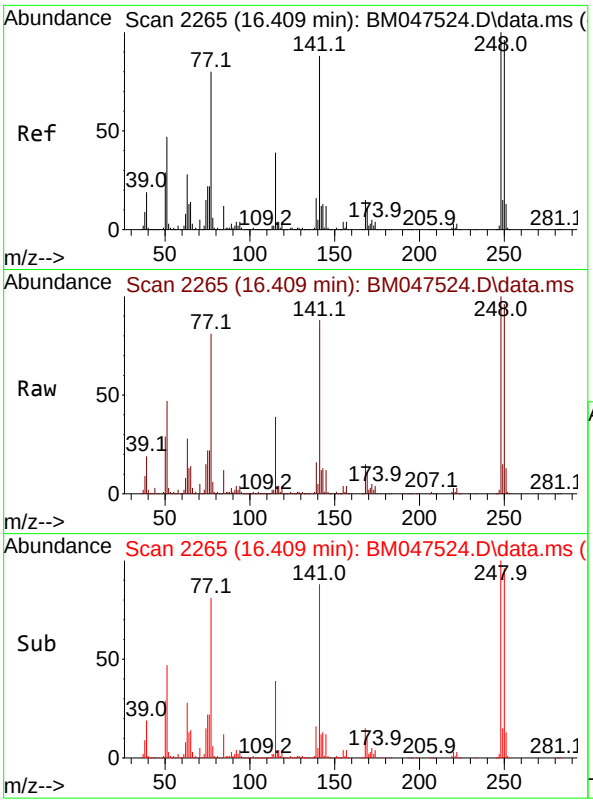




#66
n-Nitrosodiphenylamine
Concen: 41.340 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:169 Resp: 2266693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.1 | 55.3 | 82.9 |
| 167 | 38.1 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 40.531 ng
RT: 16.409 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:248 Resp: 70586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.1 | 76.9 | 115.3 |
| 141 | 88.5 | 70.8 | 106.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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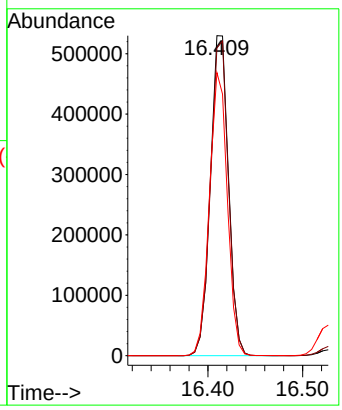
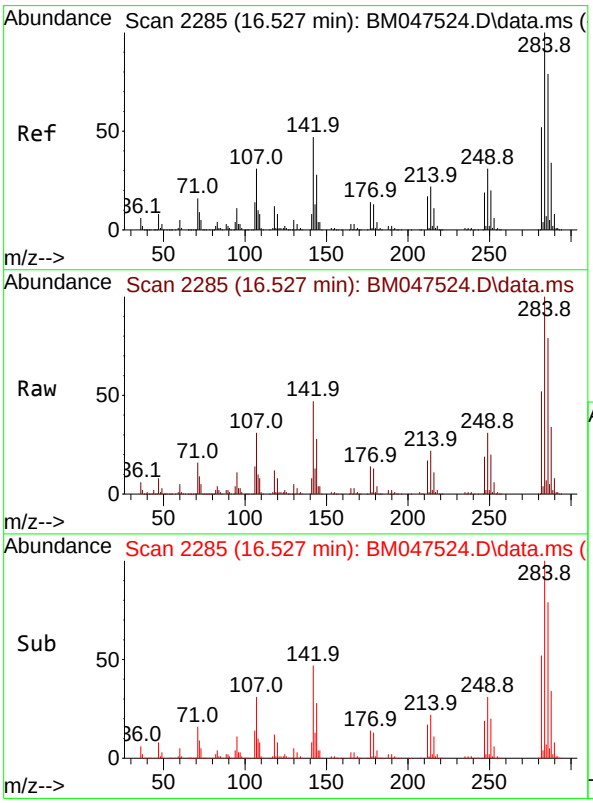
Supervised By :mohammad ahmed 09/17/2024

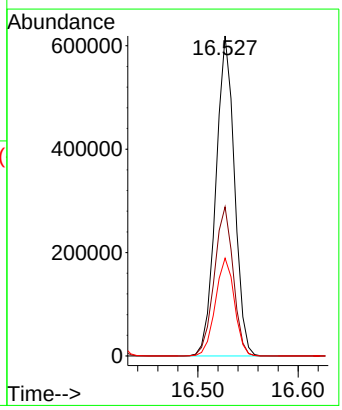


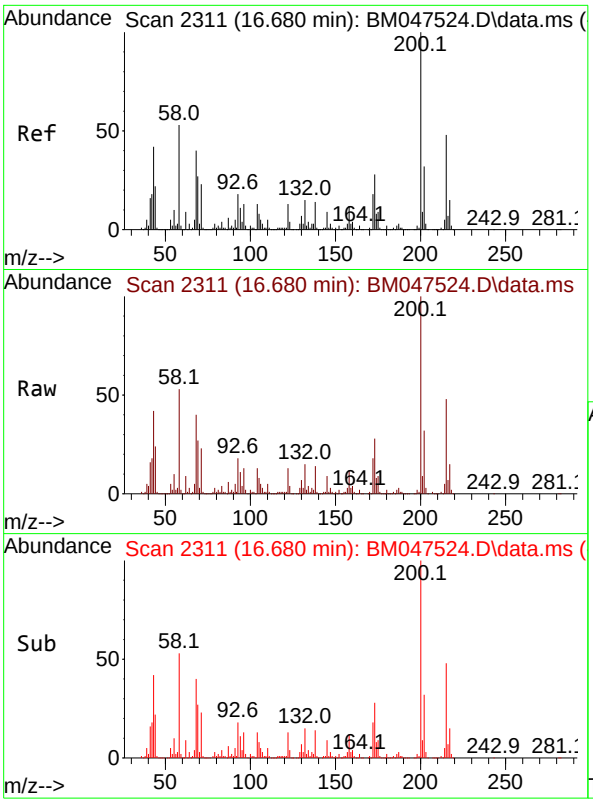




#68
Hexachlorobenzene
Concen: 40.352 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:284 Resp: 796111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 46.6 | 37.3 | 55.9 |
| 249 | 30.6 | 24.5 | 36.7 |






#69
Atrazine
Concen: 42.135 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:200 Resp: 63855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.7 | 7.7 | 47.7 |
| 215 | 47.9 | 27.9 | 67.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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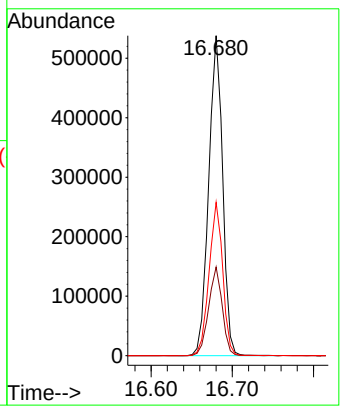
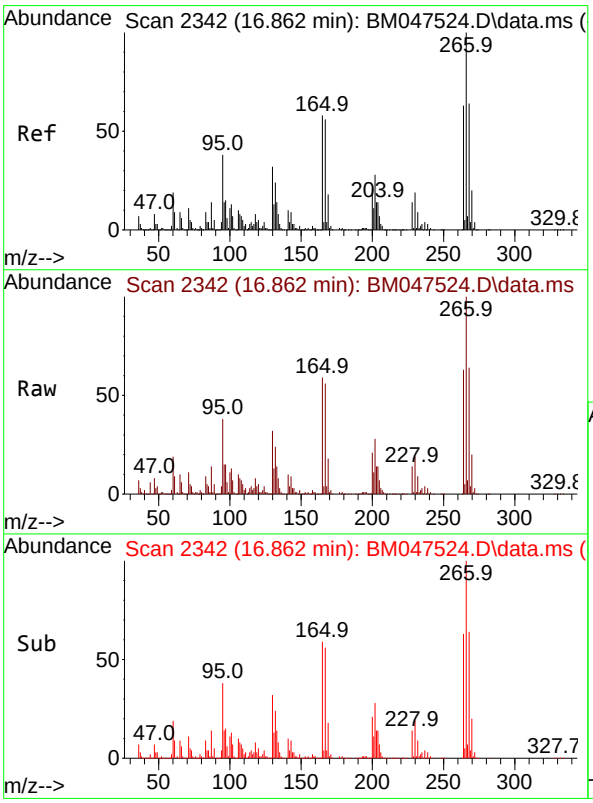
Supervised By :mohammad ahmed 09/17/2024

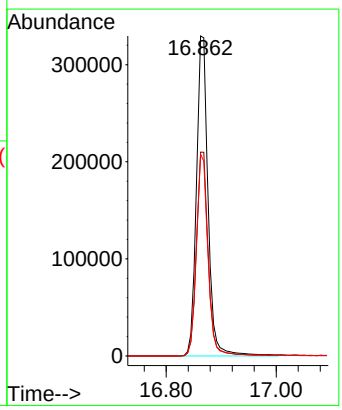


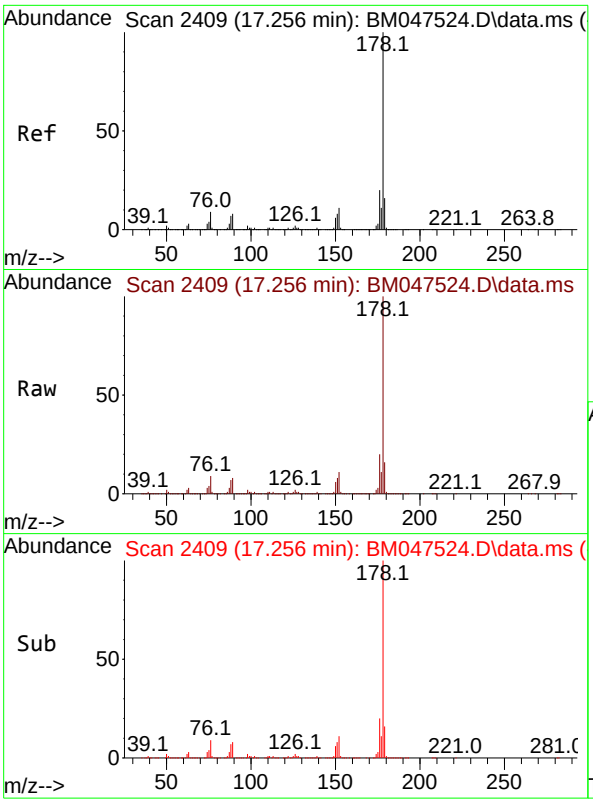




#70
Pentachlorophenol
Concen: 42.523 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:266 Resp: 486319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 51.0 | 76.4 |
| 264 | 63.0 | 50.4 | 75.6 |

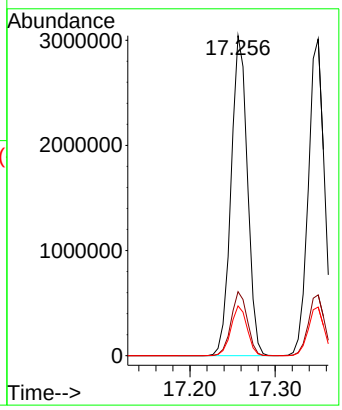





#71
Phenanthrene
Concen: 41.163 ng
RT: 17.256 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:178 Resp: 406583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 16.0 | 24.0 |
| 179 | 15.5 | 12.4 | 18.6 |




**Instrument :**
BNA_M
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SSTDICCC040

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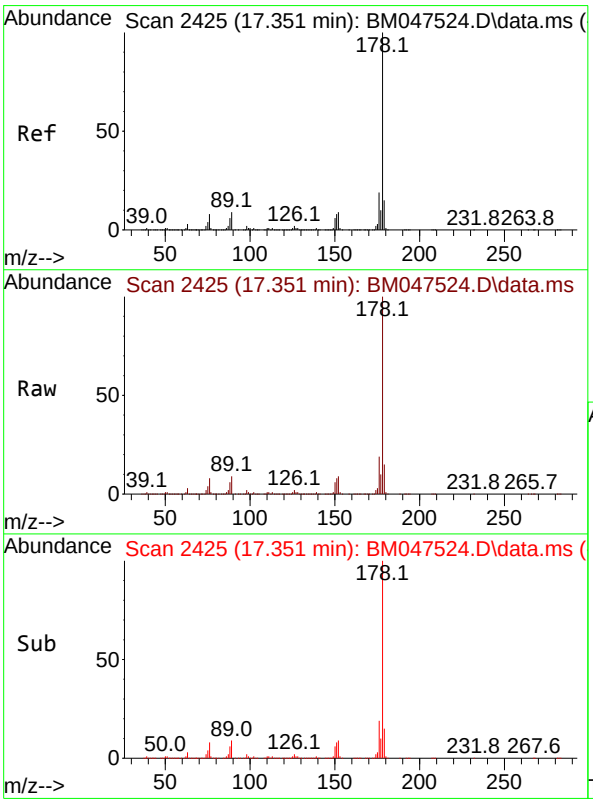
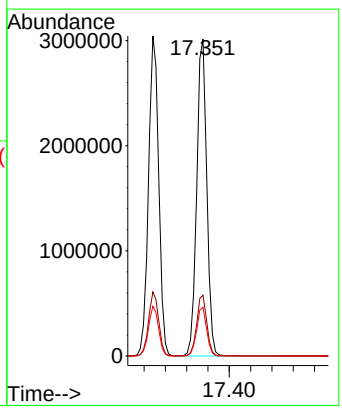
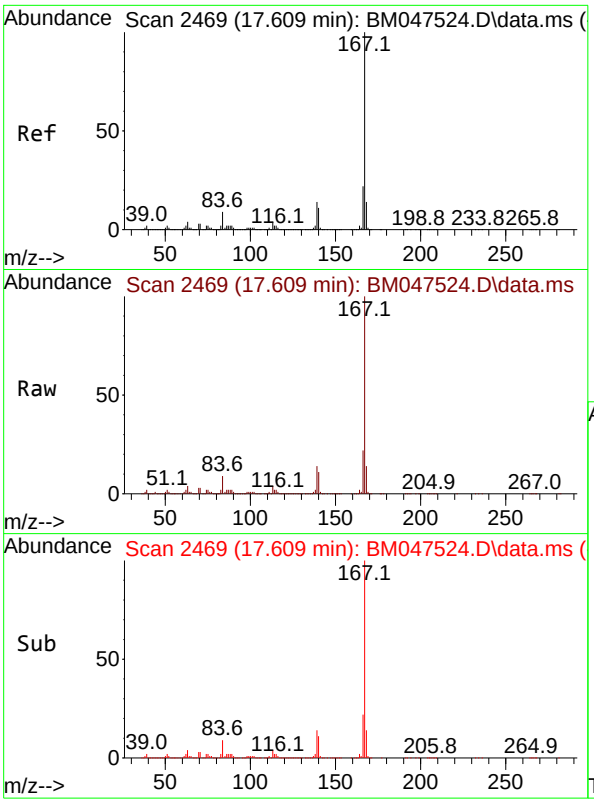



#72
Anthracene
Concen: 41.695 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:178 Resp: 3956786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.4 | 12.3 | 18.5 |






#73
Carbazole
Concen: 41.537 ng
RT: 17.609 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:167 Resp: 390645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.3 | 17.8 | 26.8 |
| 139 | 13.8 | 11.0 | 16.6 |

**Instrument :**
BNA_M
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SSTDICCC040

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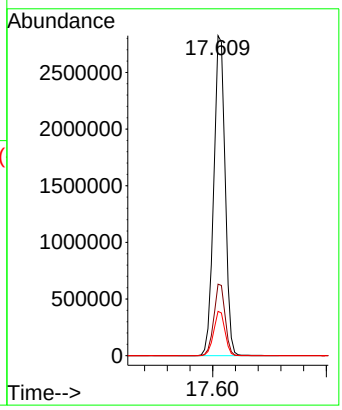
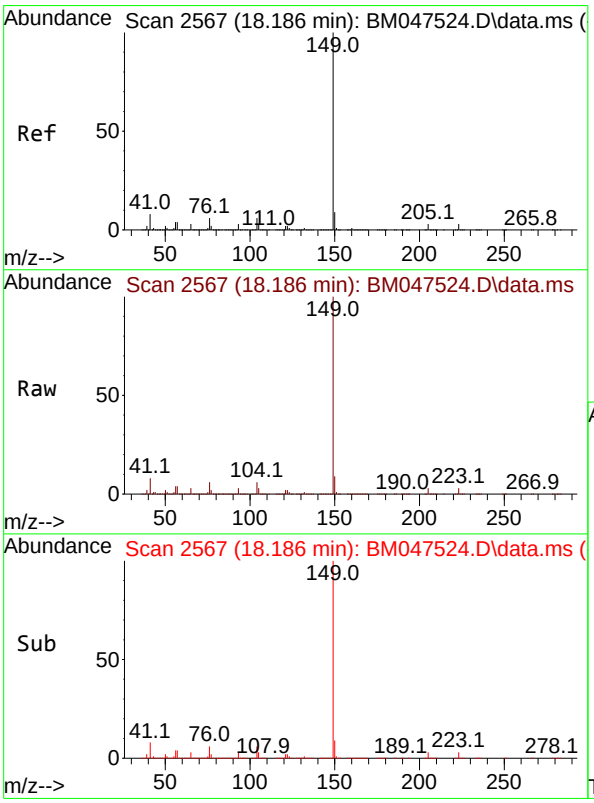
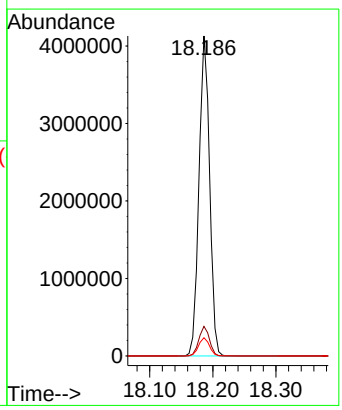


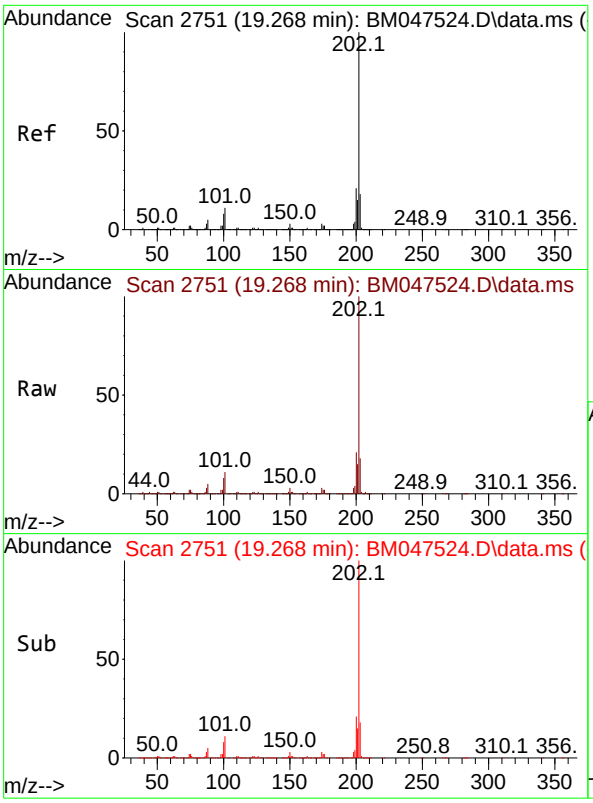




#74
Di-n-butylphthalate
Concen: 42.689 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 4803649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.7 | 4.6 | 6.8 |

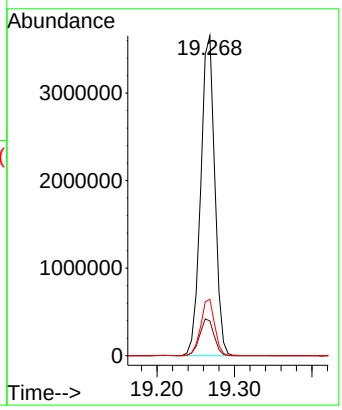





#75
Fluoranthene
Concen: 42.622 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:202 Resp: 459339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 30.8 |
| 203 | 17.7 | 0.0 | 37.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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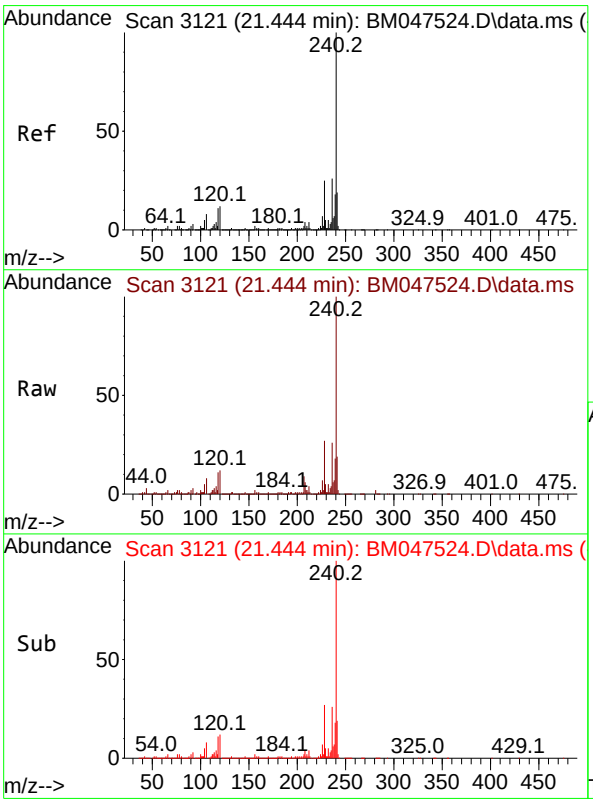
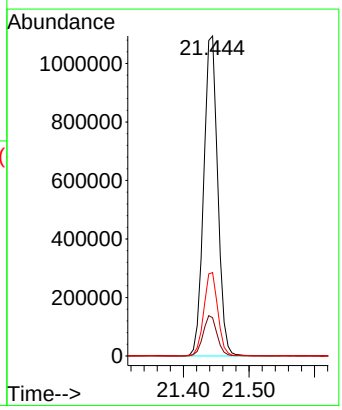
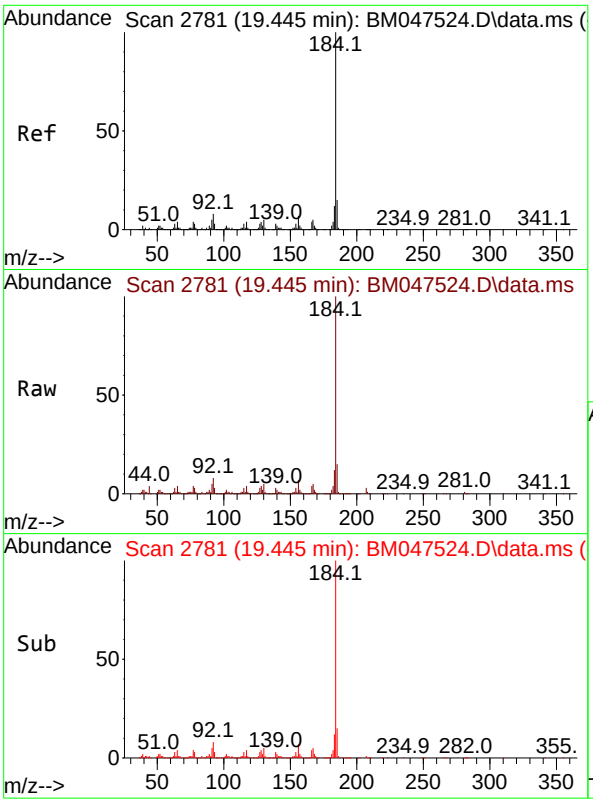



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:240 Resp: 1627798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 9.6 | 14.4 |
| 236 | 26.1 | 20.9 | 31.3 |

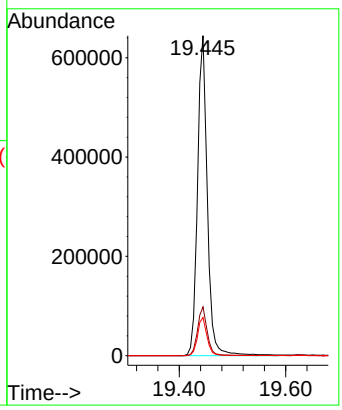





#77
Benzidine
Concen: 35.993 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:184 Resp: 82516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 12.2 | 18.2 |
| 183 | 12.0 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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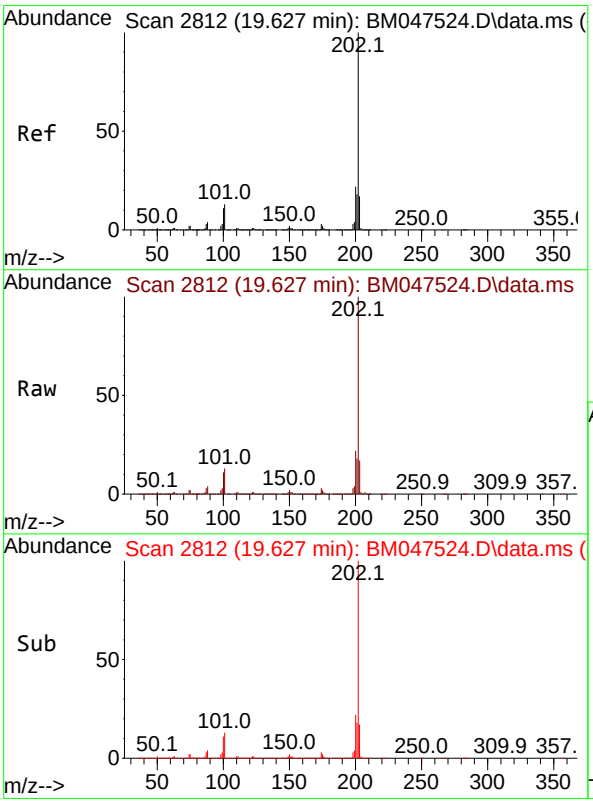
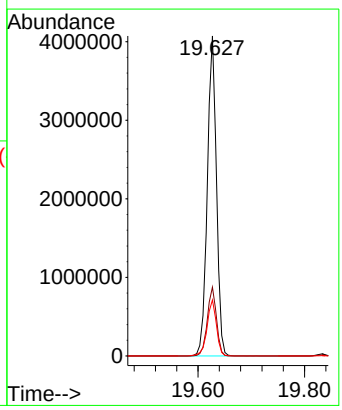
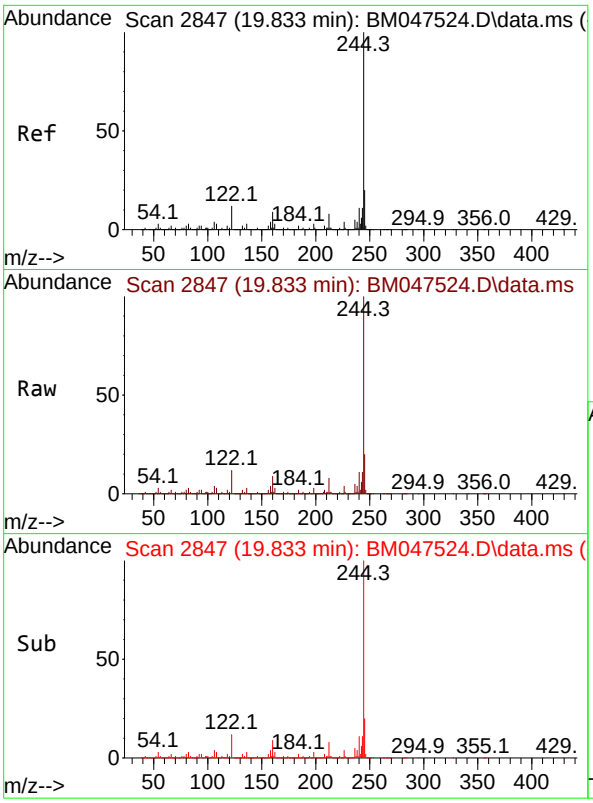



#78
Pyrene
Concen: 40.954 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:202 Resp: 4862723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.2 | 25.8 |
| 203 | 17.5 | 14.0 | 21.0 |

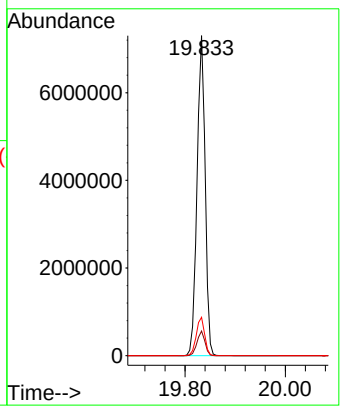





#79
Terphenyl-d14
Concen: 90.034 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:244 Resp: 817868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.2 | 9.2 |
| 122 | 12.0 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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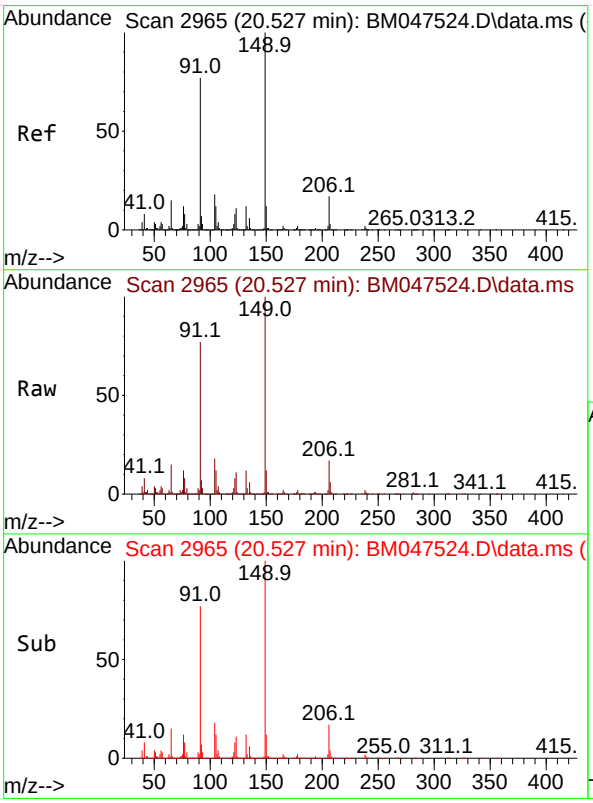
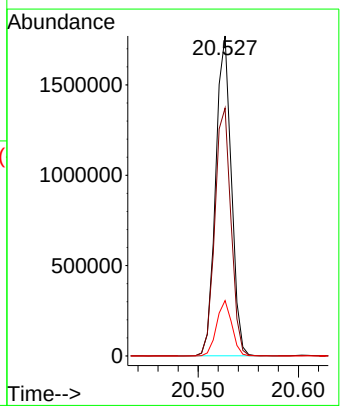
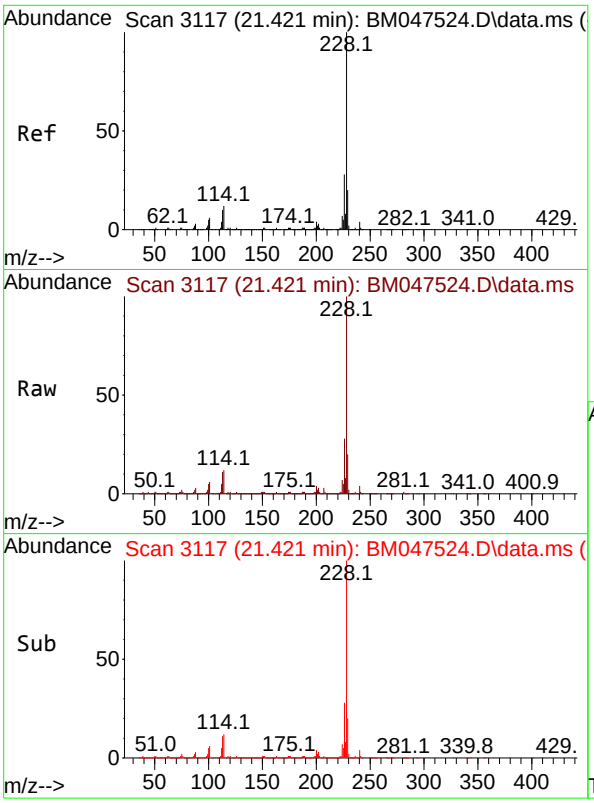



#80
Butylbenzylphthalate
Concen: 41.908 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 1915535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 77.5 | 62.0 | 93.0 |
| 206 | 17.3 | 13.8 | 20.8 |

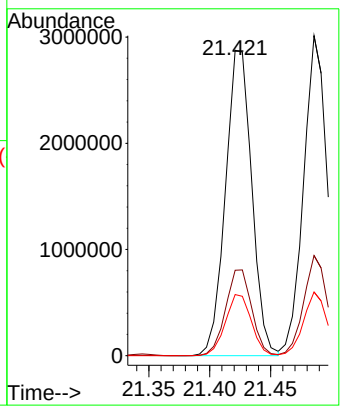





#81
Benzo(a)anthracene
Concen: 40.888 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:228 Resp: 433822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 22.4 | 33.6 |
| 229 | 20.0 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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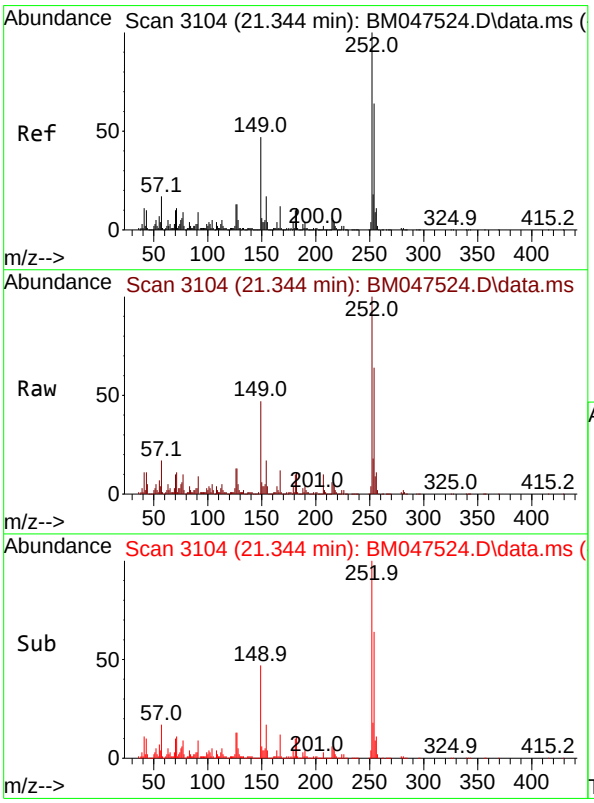
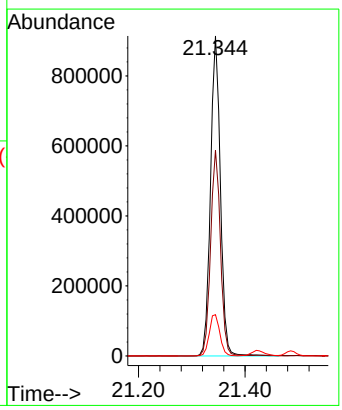
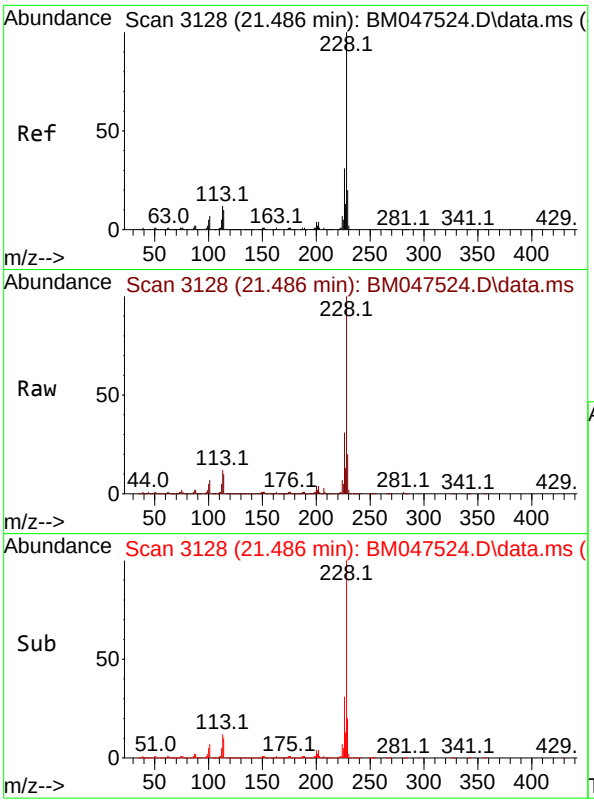



#82
3,3'-Dichlorobenzidine
Concen: 41.724 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 1177624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.5 | 77.3 |
| 126 | 12.9 | 10.3 | 15.5 |

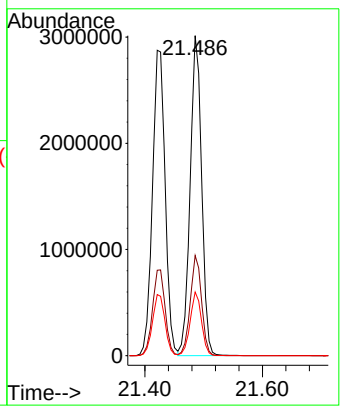





#83
Chrysene
Concen: 40.682 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:228 Resp: 408272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 25.0 | 37.6 |
| 229 | 19.9 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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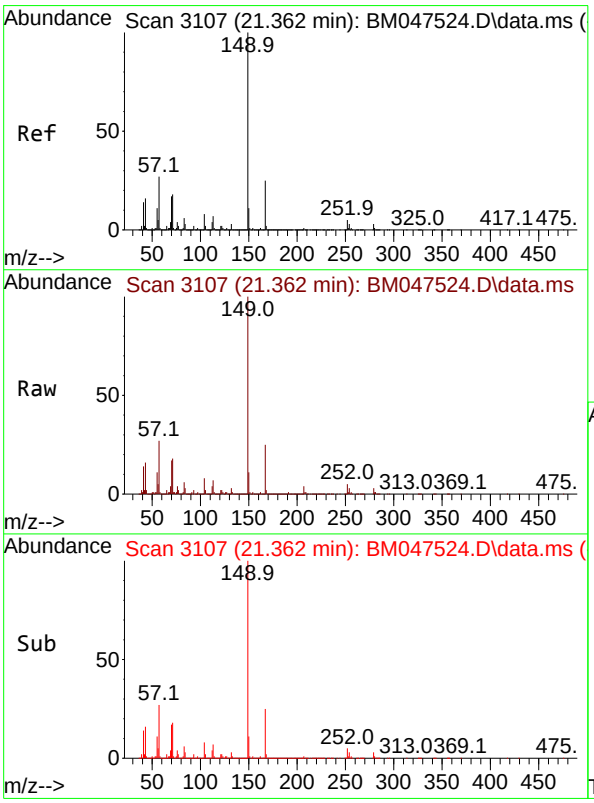
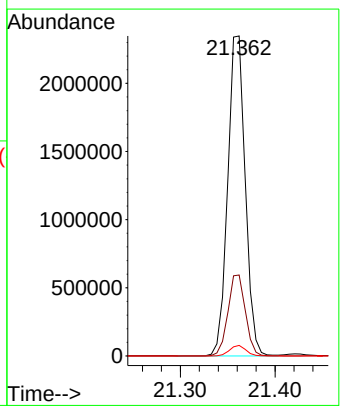
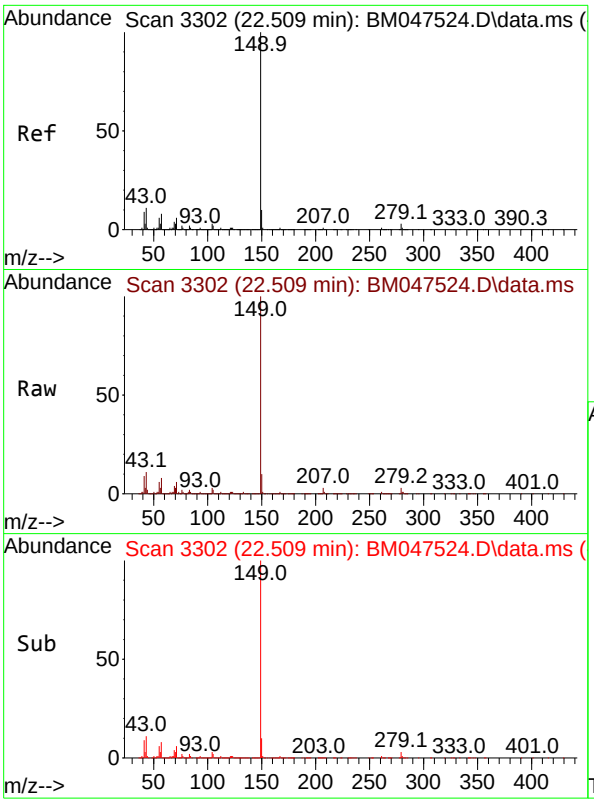



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.216 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 3022758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.3 | 20.2 | 30.4 |
| 279 | 3.3 | 2.6 | 4.0 |

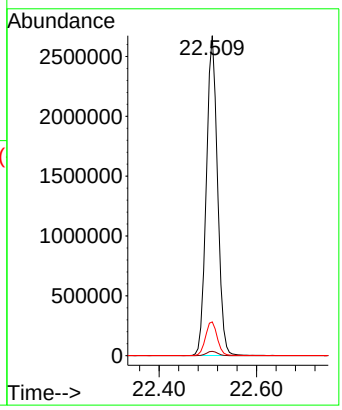





#85
Di-n-octyl phthalate
Concen: 41.825 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:149 Resp: 423609

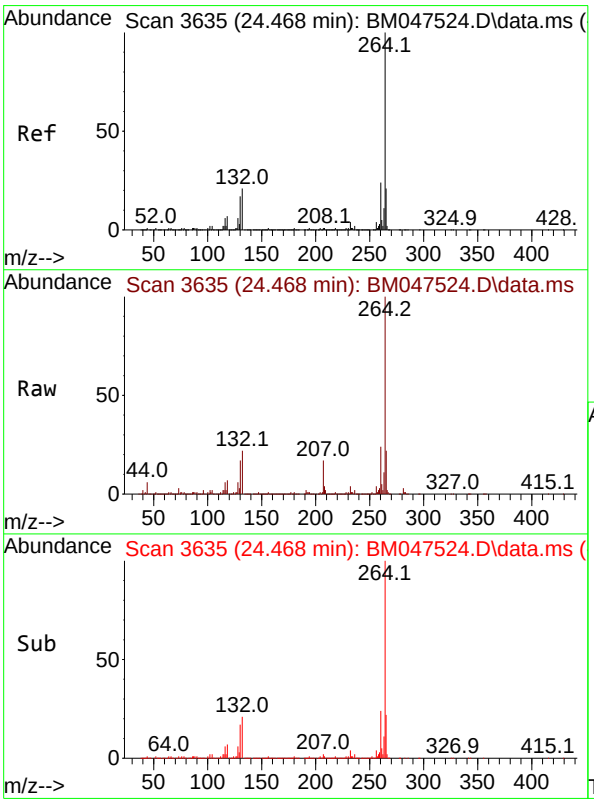
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 11.1 | 8.9 | 13.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

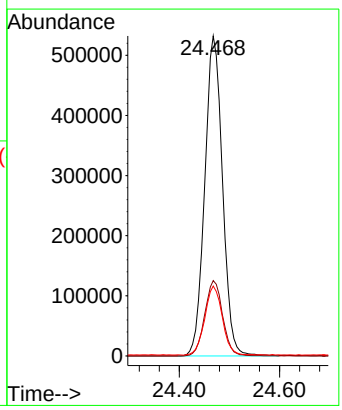
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

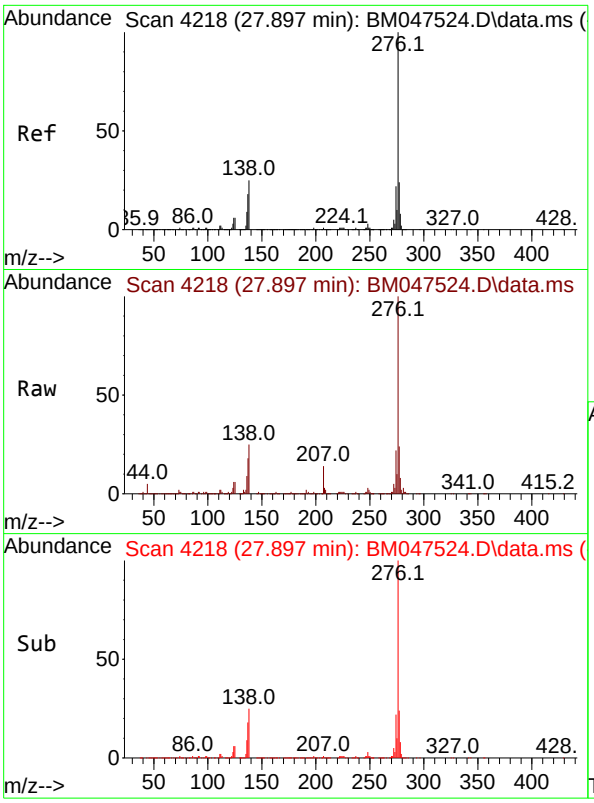



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:264 Resp: 1308860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.9 | 28.3 |
| 265 | 21.8 | 17.4 | 26.2 |

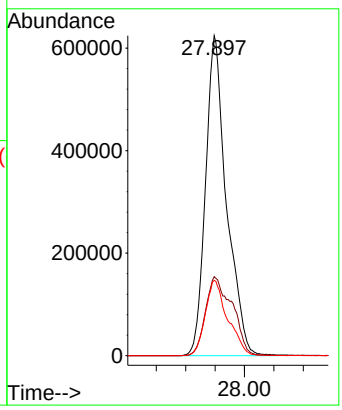





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.575 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 309982

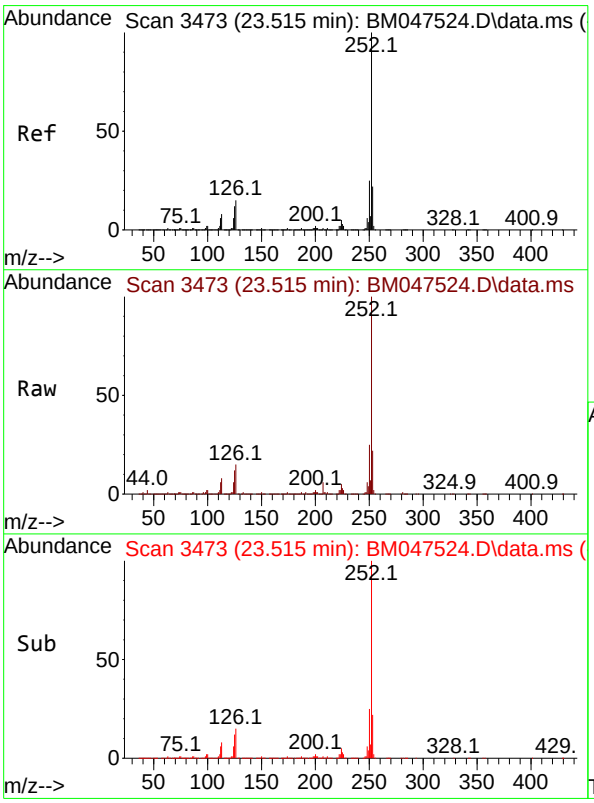
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.3 | 25.0 | 37.6 |
| 277 | 25.1 | 20.1 | 30.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

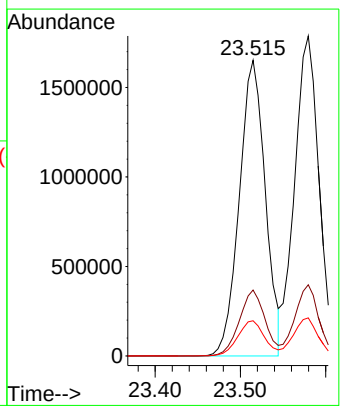
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

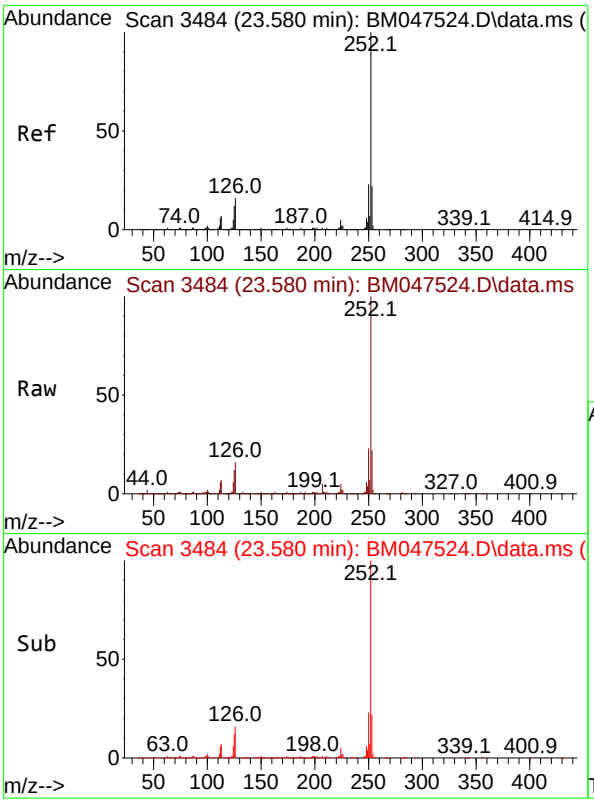



#88
Benzo(b)fluoranthene
Concen: 41.423 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 3507877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.8 |
| 125 | 11.9 | 9.5 | 14.3 |

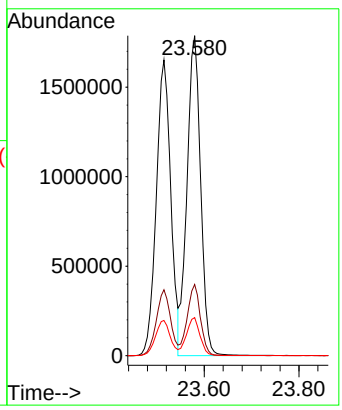





#89
Benzo(k)fluoranthene
Concen: 42.538 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 357021

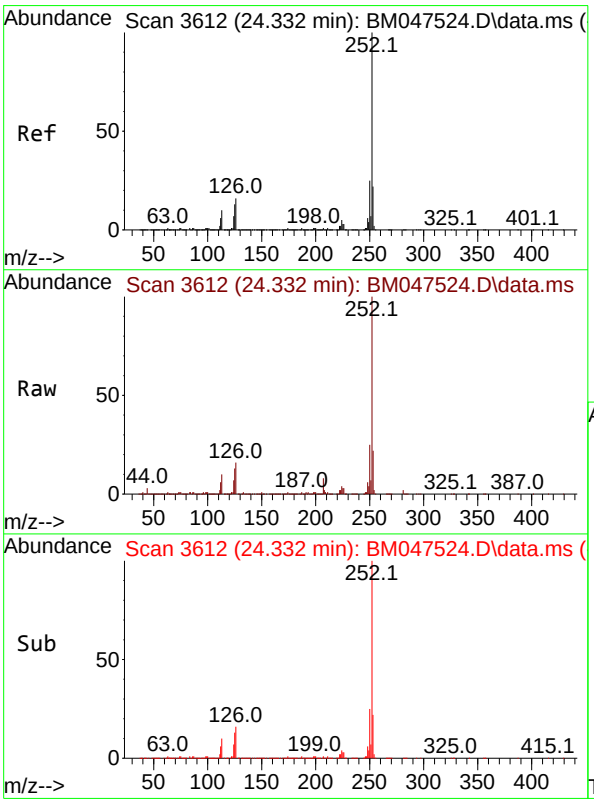
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 11.9 | 9.5 | 14.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

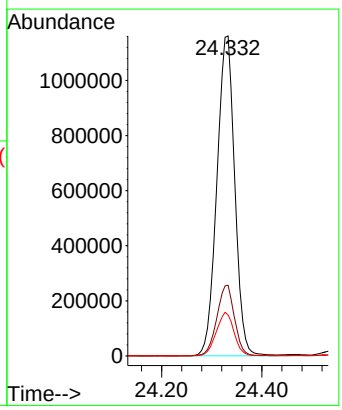
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

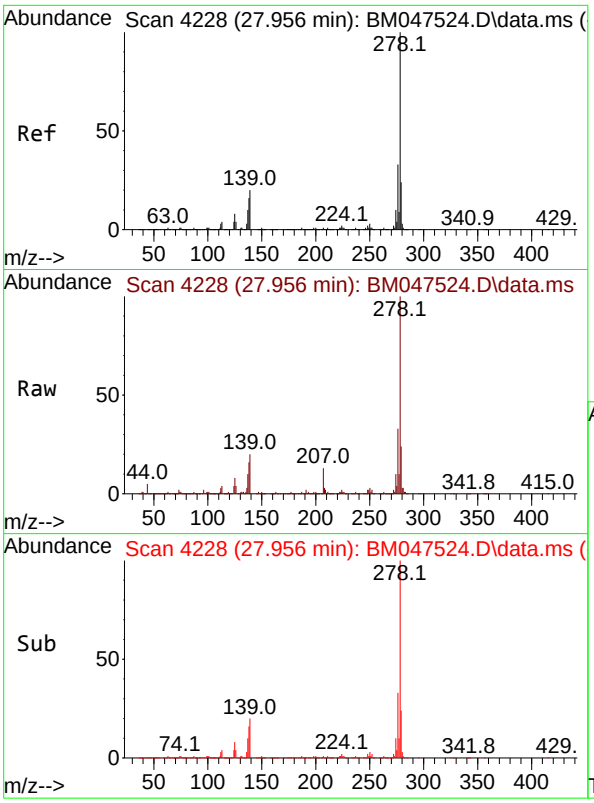



#90
Benzo(a)pyrene
Concen: 41.429 ng
RT: 24.332 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:252 Resp: 2875521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 12.8 | 10.2 | 15.4 |

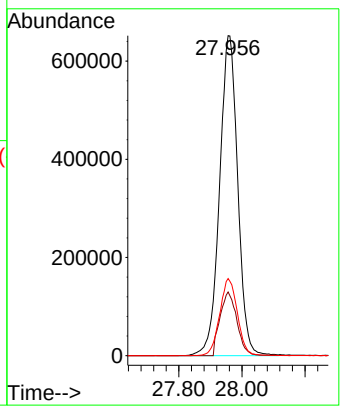





#91
Dibenzo(a,h)anthracene
Concen: 39.472 ng
RT: 27.956 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:278 Resp: 260127

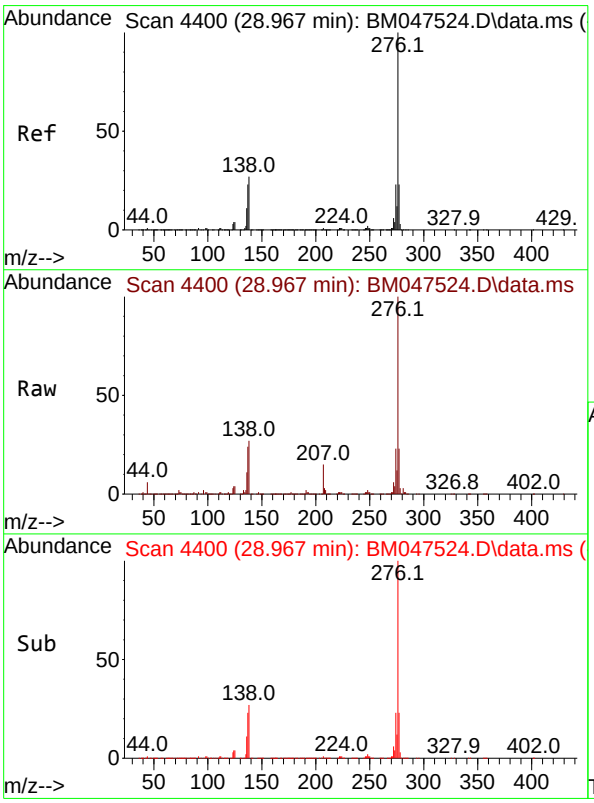
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.9 | 15.9 | 23.9 |
| 279 | 24.1 | 19.3 | 28.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

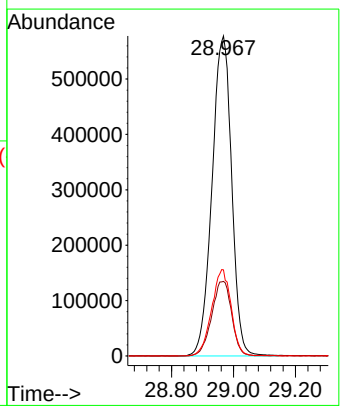
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




#92
Benzo(g,h,i)perylene
Concen: 39.380 ng
RT: 28.967 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047524.D
Acq: 14 Sep 2024 14:35

Tgt Ion:276 Resp: 2535092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 26.9 | 21.5 | 32.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 390671 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1724946 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 1013275 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 1927087 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.444 | 240 | 1661575 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1297327 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 2431799 | 99.110 | ng | | 0.00 |
| 7) Phenol-d6 | 7.010 | 99 | 3533803 | 102.269 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.010 | 82 | 3449817 | 100.090 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.962 | 330 | 1070883 | 109.339 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.110 | 172 | 7716038 | 104.898 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 10292194 | 110.997 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 494117 | 47.017 | ng | | 100 |
| 3) Pyridine | 3.716 | 79 | 1522515m | 48.683 | ng | | |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 700604 | 49.361 | ng | | 99 |
| 6) Aniline | 7.175 | 93 | 1526818 | 49.840 | ng | | 98 |
| 8) 2-Chlorophenol | 7.416 | 128 | 1343373 | 49.665 | ng | | 99 |
| 9) Benzaldehyde | 6.987 | 77 | 752916 | 45.825 | ng | | 99 |
| 10) Phenol | 7.040 | 94 | 1744000 | 50.407 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.275 | 93 | 1364338 | 49.118 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.739 | 146 | 1432823 | 48.396 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 1471785 | 48.807 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 1454714 | 49.019 | ng | | 99 |
| 15) Benzyl Alcohol | 8.087 | 79 | 1201740 | 51.344 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.386 | 45 | 1903817 | 48.725 | ng | | 99 |
| 17) 2-Methylphenol | 8.287 | 107 | 1127230 | 51.000 | ng | | 99 |
| 18) Hexachloroethane | 8.939 | 117 | 589028 | 48.897 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 1203853 | 51.673 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.616 | 107 | 1564378 | 50.725 | ng | | 99 |
| 22) Acetophenone | 8.669 | 105 | 2260781 | 49.852 | ng | # | 99 |
| 24) Nitrobenzene | 9.045 | 77 | 1753123 | 49.499 | ng | | 99 |
| 25) Isophorone | 9.575 | 82 | 3063274 | 50.553 | ng | | 100 |
| 26) 2-Nitrophenol | 9.757 | 139 | 653650 | 54.160 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.822 | 122 | 916681 | 50.105 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93 | 1881906 | 49.443 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.292 | 162 | 1205992 | 51.885 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 1316098 | 49.431 | ng | | 99 |
| 31) Naphthalene | 10.698 | 128 | 4651117 | 49.926 | ng | | 100 |
| 32) Benzoic acid | 9.969 | 122 | 890510 | 49.165 | ng | | 100 |
| 33) 4-Chloroaniline | 10.804 | 127 | 1696889 | 50.379 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 727359 | 49.322 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 403073 | 52.645 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.922 | 107 | 1377067 | 51.697 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.310 | 142 | 3135943 | 50.577 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.527 | 142 | 3140091 | 50.961 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.674 | 216 | 1404023 | 51.207 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 459860 | 51.304 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 906659 | 52.782 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.980 | 196 | 1019629 | 52.552 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.321 | 154 | 4013259 | 50.905 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 3125991 | 51.065 | ng | 100 |
| 48) 2-Nitroaniline | 13.551 | 65 | 962763 | 53.545 | ng | 99 |
| 49) Acenaphthylene | 14.204 | 152 | 4539122 | 51.383 | ng | 100 |
| 50) Dimethylphthalate | 13.945 | 163 | 3486930 | 50.489 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.051 | 165 | 760004 | 52.129 | ng | 99 |
| 52) Acenaphthene | 14.545 | 154 | 3208580 | 51.838 | ng | 98 |
| 53) 3-Nitroaniline | 14.374 | 138 | 859887 | 53.063 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.580 | 184 | 341766 | 49.904 | ng | 94 |
| 55) Dibenzofuran | 14.880 | 168 | 4414383 | 50.752 | ng | 100 |
| 56) 4-Nitrophenol | 14.680 | 139 | 719745 | 53.975 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.833 | 165 | 1036584 | 53.310 | ng | 99 |
| 58) Fluorene | 15.527 | 166 | 4160088 | 53.124 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 792620 | 52.397 | ng | 99 |
| 60) Diethylphthalate | 15.304 | 149 | 3731359 | 50.766 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204 | 1887920 | 52.727 | ng | 100 |
| 62) 4-Nitroaniline | 15.539 | 138 | 1057003 | 55.490 | ng | 99 |
| 63) Azobenzene | 15.815 | 77 | 4100103 | 50.661 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 465523 | 47.513 | ng | 91 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 3050884 | 51.751 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.415 | 248 | 970005 | 51.803 | ng | 95 |
| 68) Hexachlorobenzene | 16.527 | 284 | 1080606 | 50.942 | ng | 99 |
| 69) Atrazine | 16.680 | 200 | 839707 | 51.534 | ng | 100 |
| 70) Pentachlorophenol | 16.868 | 266 | 673070 | 54.737 | ng | 99 |
| 71) Phenanthrene | 17.262 | 178 | 5449671 | 51.315 | ng | 100 |
| 72) Anthracene | 17.351 | 178 | 5311241 | 52.053 | ng | 99 |
| 73) Carbazole | 17.615 | 167 | 5228117 | 51.703 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 6497317 | 53.702 | ng | 100 |
| 75) Fluoranthene | 19.268 | 202 | 6149497 | 53.071 | ng | 100 |
| 77) Benzidine | 19.445 | 184 | 1099341 | 46.978 | ng | 99 |
| 78) Pyrene | 19.627 | 202 | 6496279 | 53.600 | ng | 99 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 2508902 | 53.774 | ng | 99 |
| 81) Benzo(a)anthracene | 21.427 | 228 | 5503768 | 50.819 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.344 | 252 | 1478863 | 51.333 | ng | 99 |
| 83) Chrysene | 21.486 | 228 | 5192530 | 50.689 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.362 | 149 | 3935057 | 53.839 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.509 | 149 | 5438065 | 52.601 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.903 | 276 | 4016293 | 51.731 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.515 | 252 | 4477877 | 53.347 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.580 | 252 | 4380104 | 52.652 | ng | 99 |
| 90) Benzo(a)pyrene | 24.333 | 252 | 3613289 | 52.521 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.968 | 278 | 3394181 | 51.962 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 28.968 | 276 | 3302500 | 51.757 | ng | 99 |

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

ICAL Form

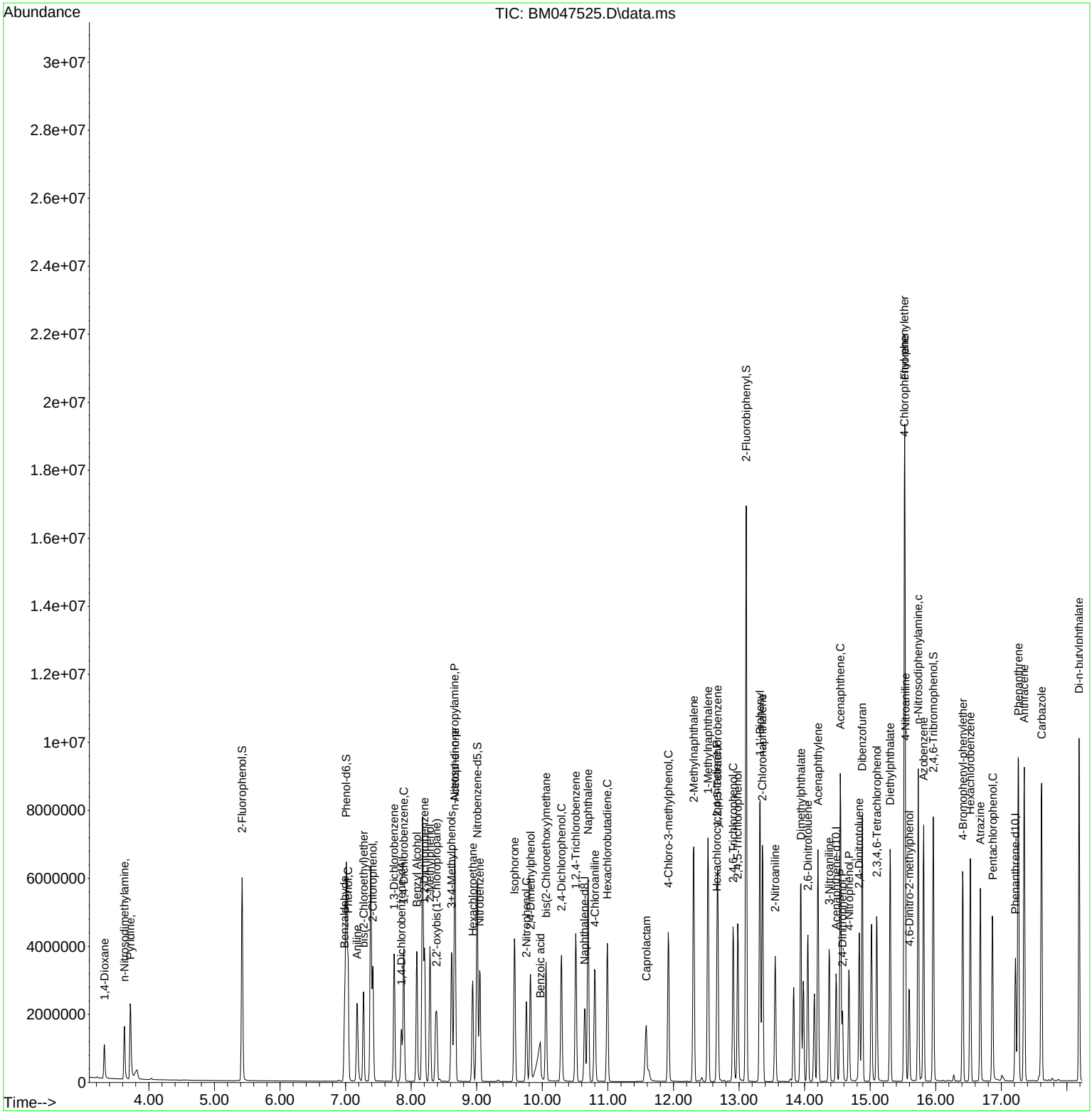
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

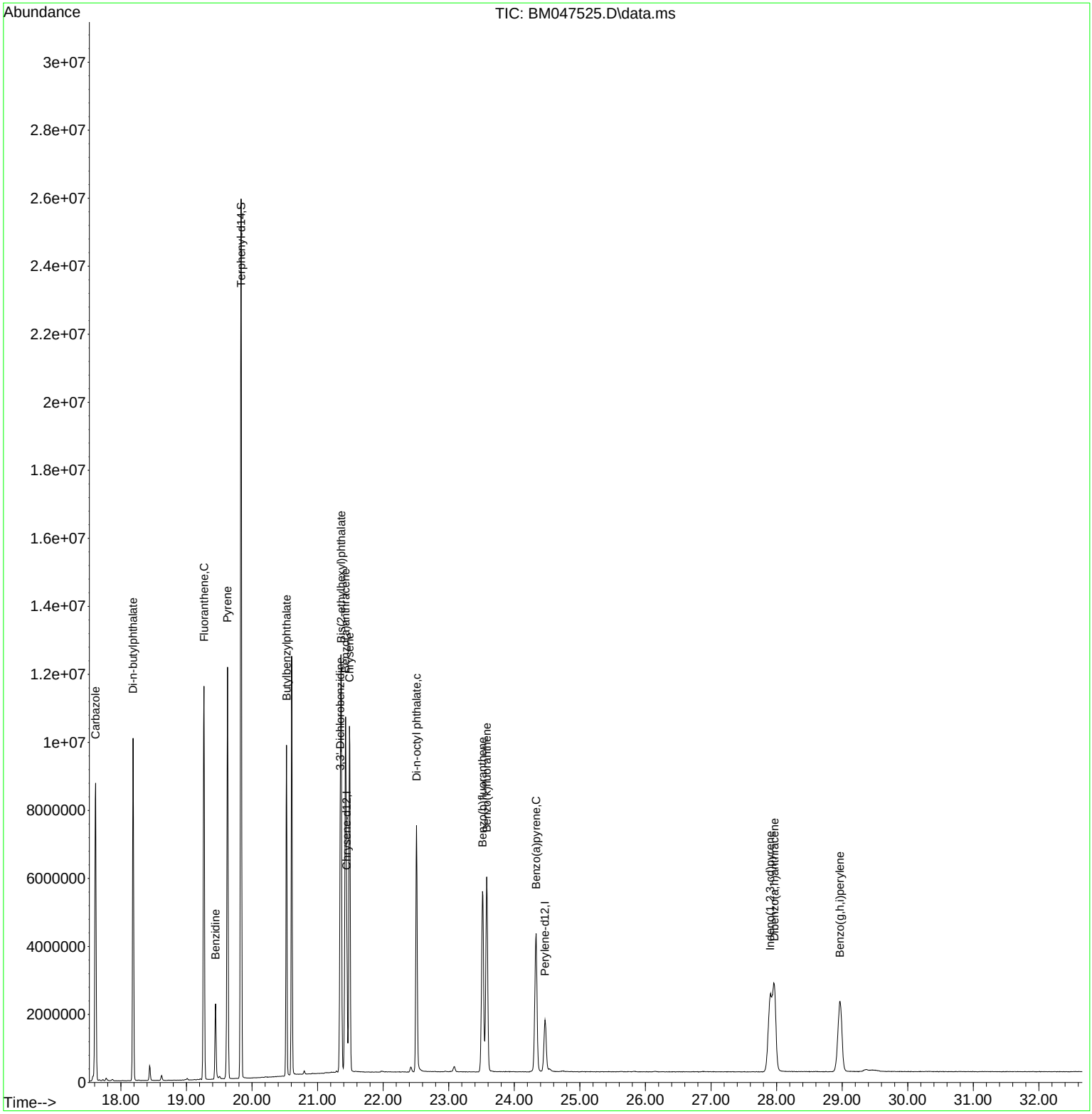
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047525.D
Acq On : 14 Sep 2024 15:14
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

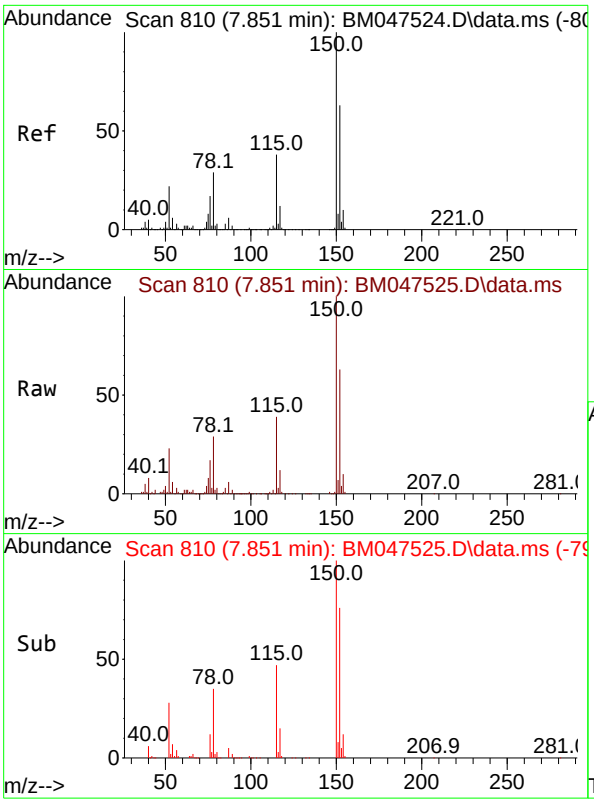
Quant Time: Sep 15 08:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

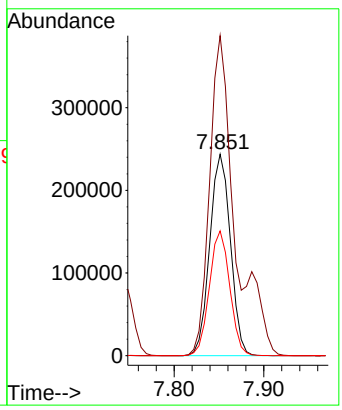





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:152 Resp: 39067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 126.8 | 190.2 |
| 115 | 61.9 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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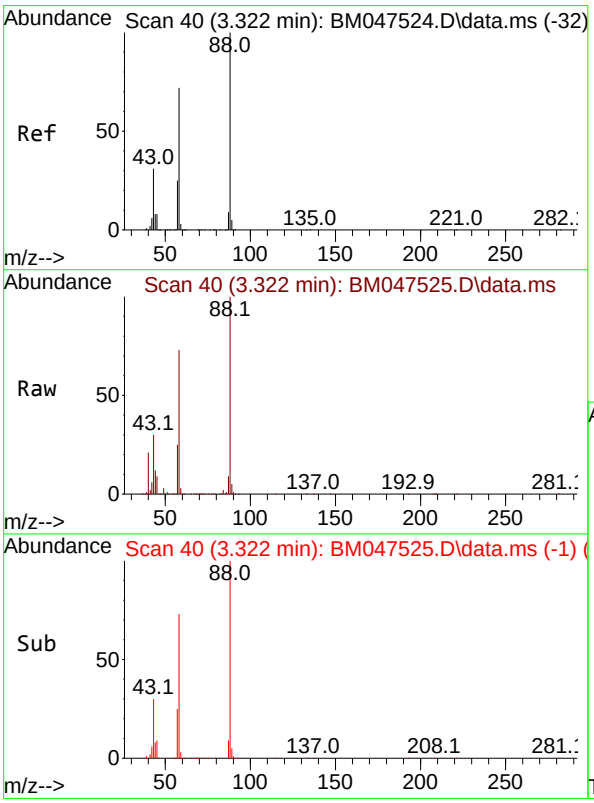
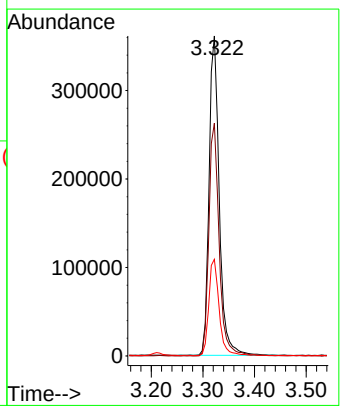
Supervised By :mohammad ahmed 09/17/2024

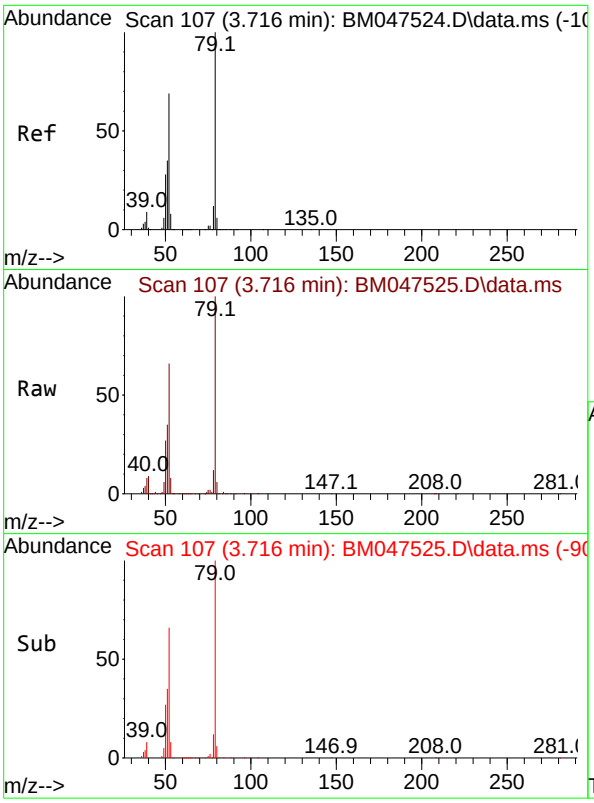



#2
1,4-Dioxane
Concen: 47.017 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 88 Resp: 494117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.7 | 59.0 | 88.6 |
| 43 | 30.9 | 25.0 | 37.4 |

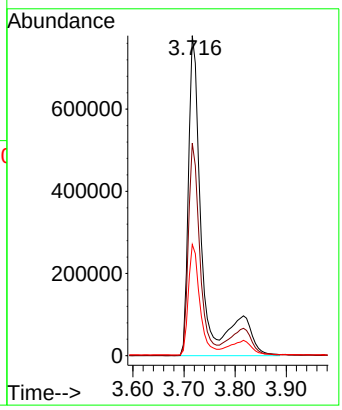





#3
Pyridine
Concen: 48.683 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 79 Resp: 152251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.4 | 55.4 | 83.0 |
| 51 | 34.8 | 27.9 | 41.9 |




**Instrument :**
BNA_M
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SSTDICC050

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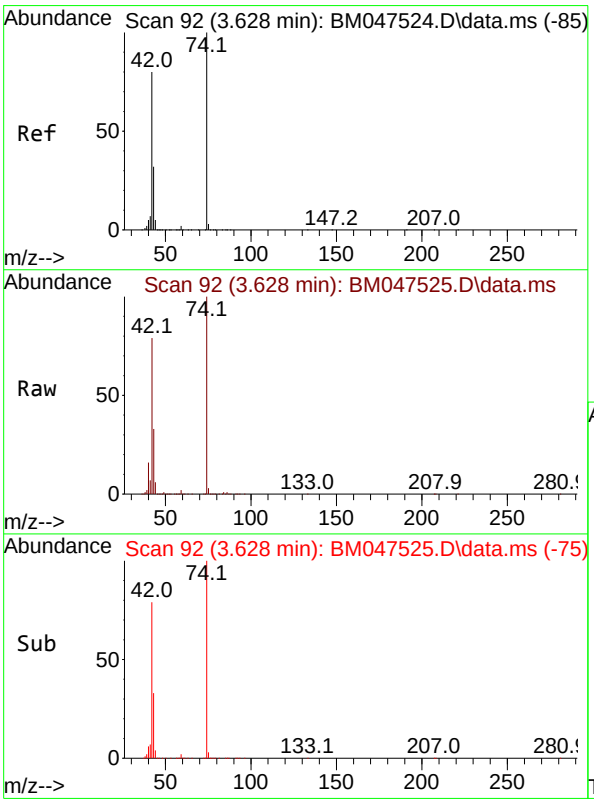
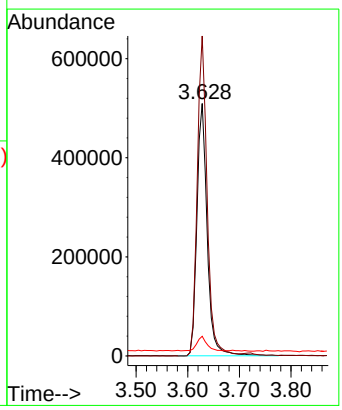
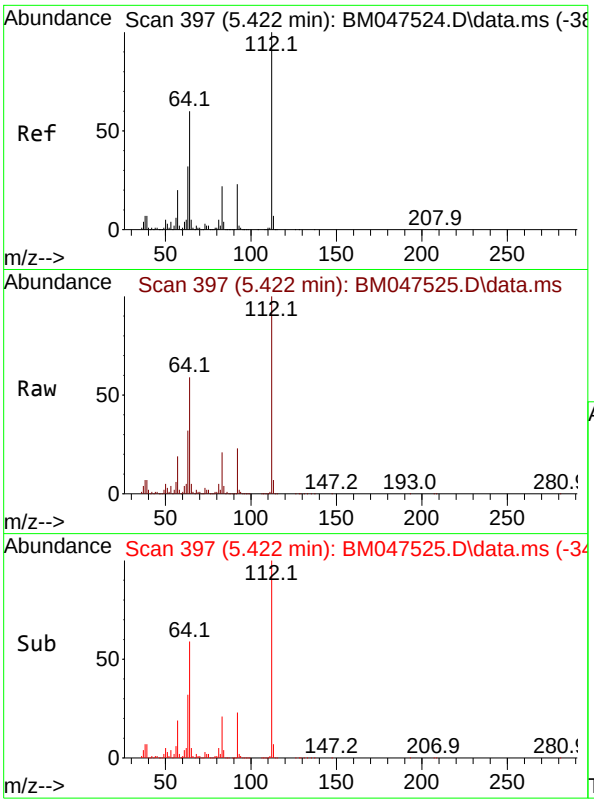



#4
n-Nitrosodimethylamine
Concen: 49.361 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 42 Resp: 700604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.7 | 100.5 | 150.7 |
| 44 | 7.8 | 6.9 | 10.3 |

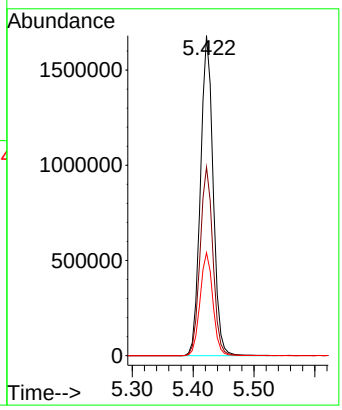





#5
2-Fluorophenol
Concen: 99.110 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:112 Resp: 243179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.9 | 48.2 | 72.4 |
| 63 | 32.1 | 26.0 | 39.0 |




**Instrument :**
BNA_M
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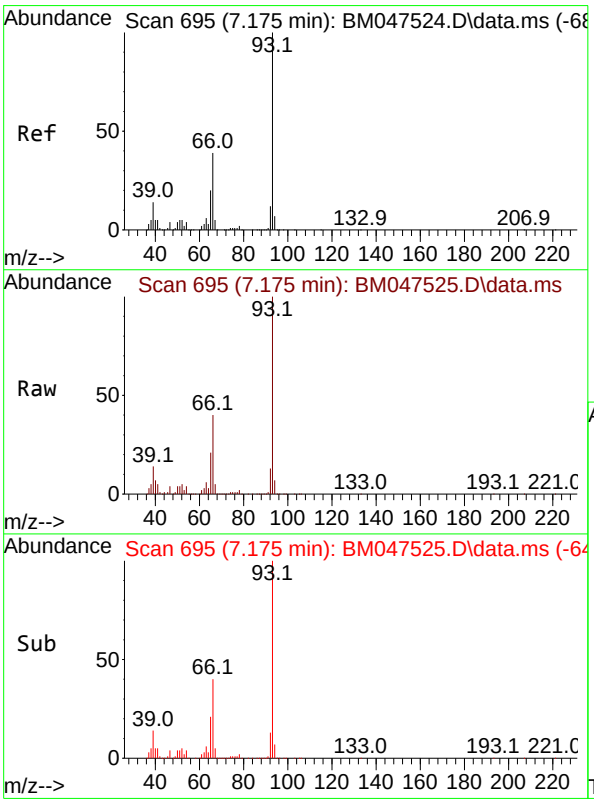
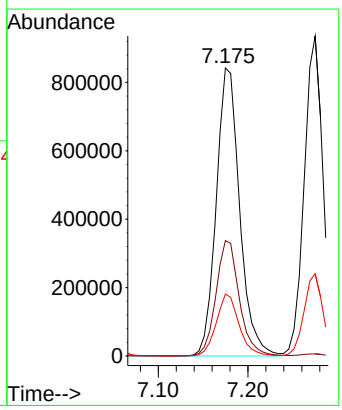
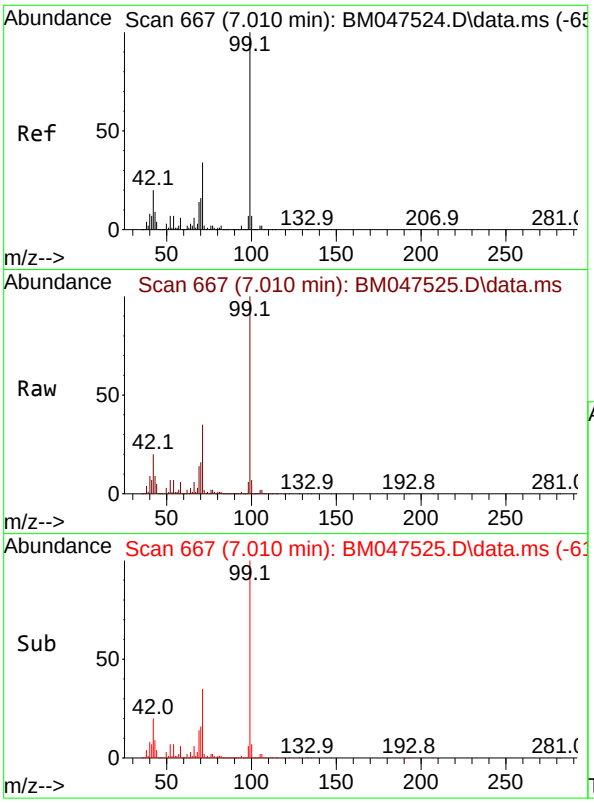



#6
Aniline
Concen: 49.840 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 1526818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.0 | 31.4 | 47.0 |
| 65 | 21.5 | 16.3 | 24.5 |

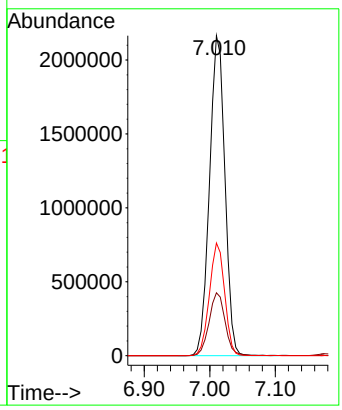





#7
Phenol-d6
Concen: 102.269 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 99 Resp: 353380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 15.8 | 23.8 |
| 71 | 35.2 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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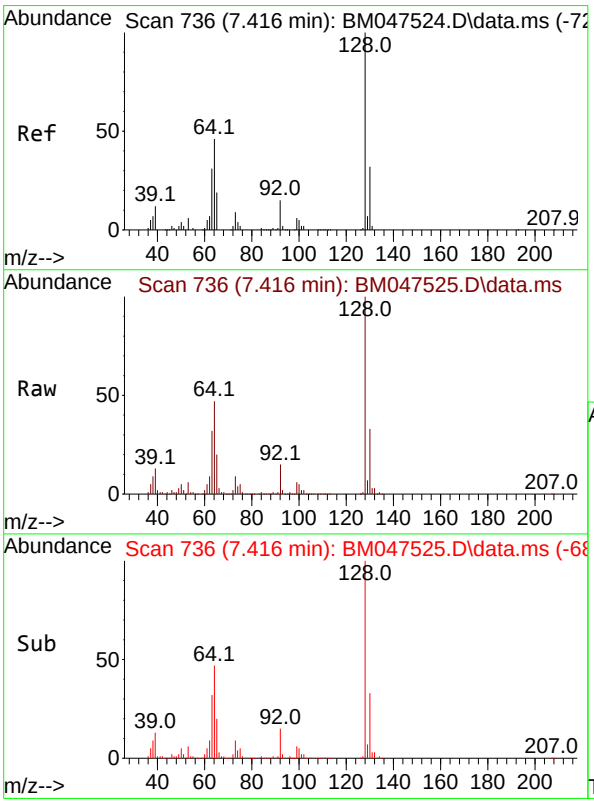
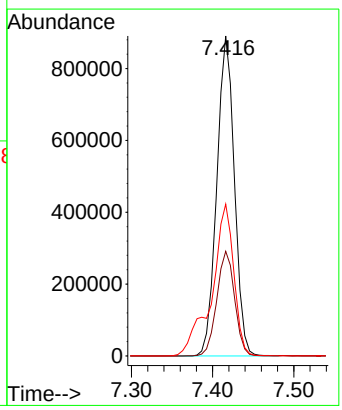
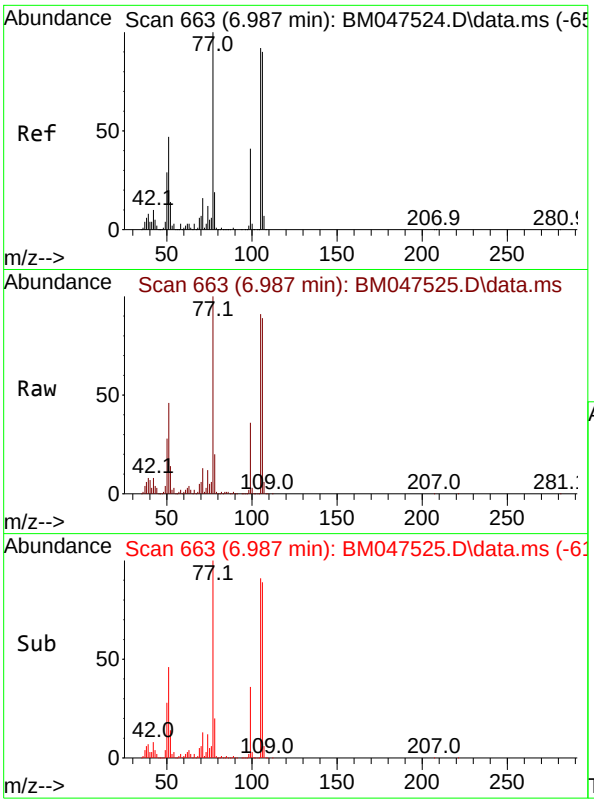



#8
2-Chlorophenol
Concen: 49.665 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:128 Resp: 1343373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 11.8 | 51.8 |
| 64 | 47.4 | 27.6 | 67.6 |

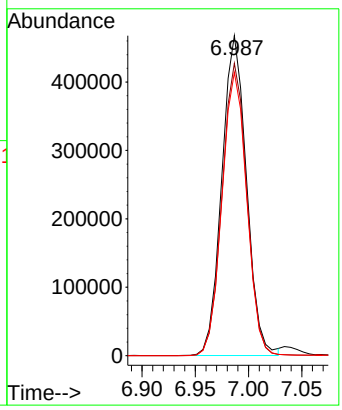





#9
Benzaldehyde
Concen: 45.825 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 75291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.3 | 71.8 | 111.8 |
| 106 | 88.5 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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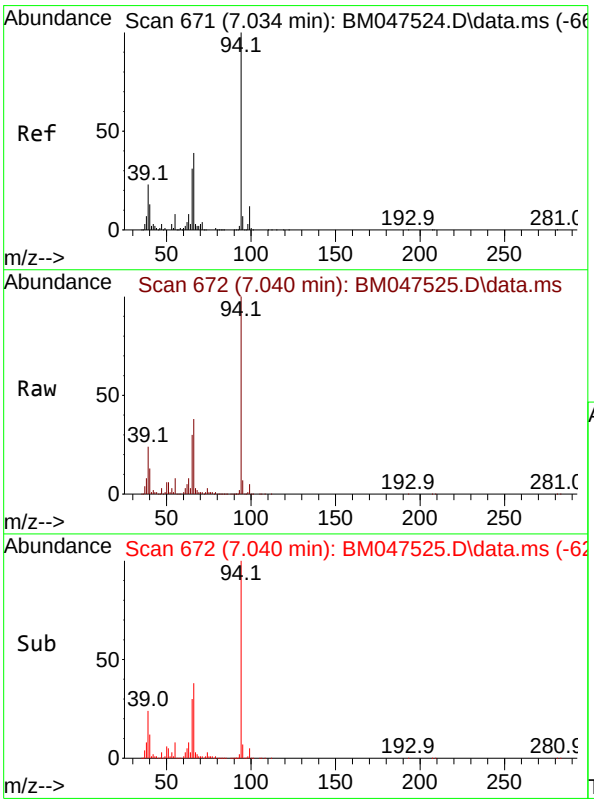
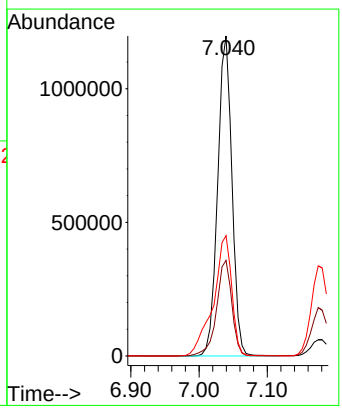
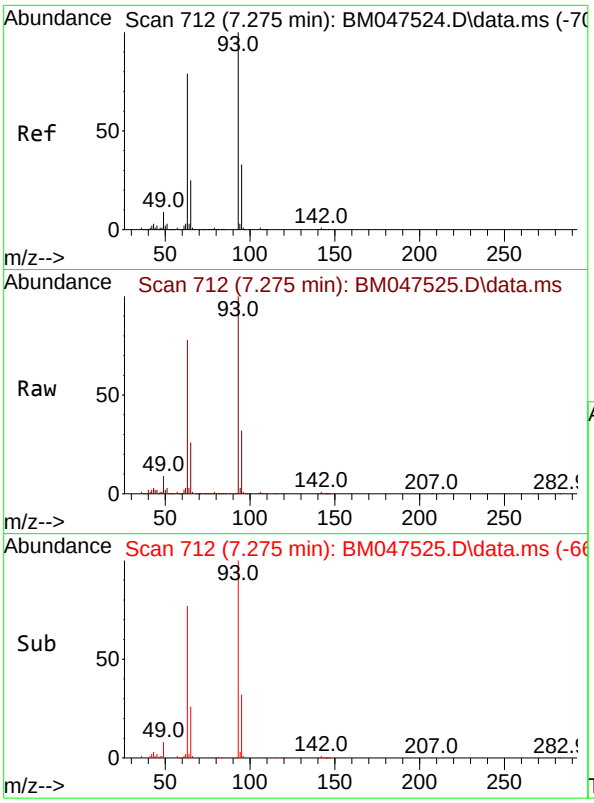



#10
Phenol
Concen: 50.407 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 94 Resp: 1744000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 10.8 | 50.8 |
| 66 | 37.6 | 19.2 | 59.2 |

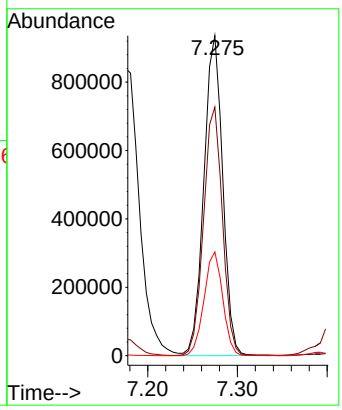





#11
bis(2-Chloroethyl)ether
Concen: 49.118 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 136433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.7 | 58.2 | 98.2 |
| 95 | 32.4 | 12.8 | 52.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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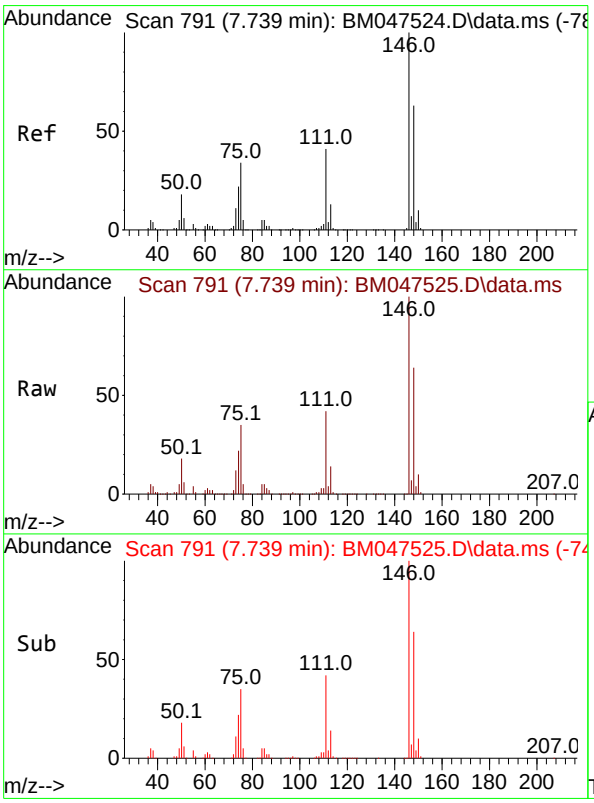
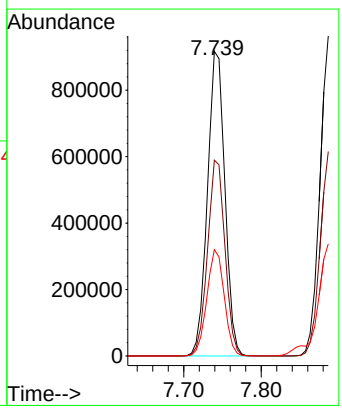
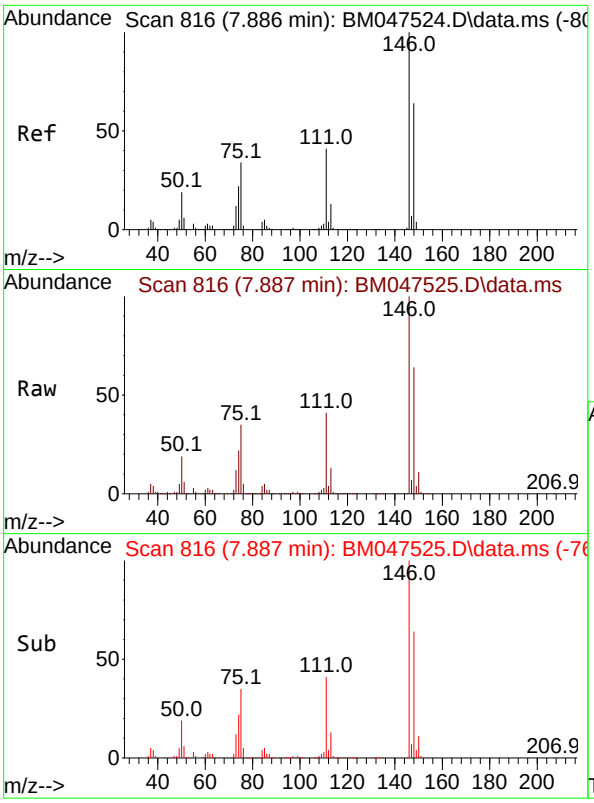



#12
1,3-Dichlorobenzene
Concen: 48.396 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 1432823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.2 | 75.4 |
| 75 | 34.9 | 27.4 | 41.0 |

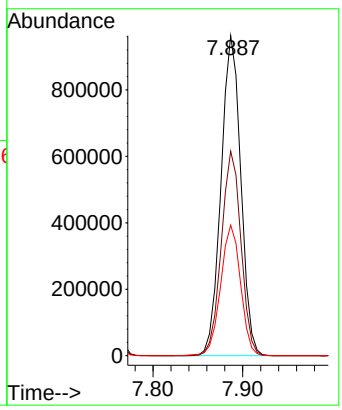





#13
1,4-Dichlorobenzene
Concen: 48.807 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 147178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.3 | 76.9 |
| 111 | 40.8 | 32.9 | 49.3 |




**Instrument :**
BNA_M
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SSTDICC050

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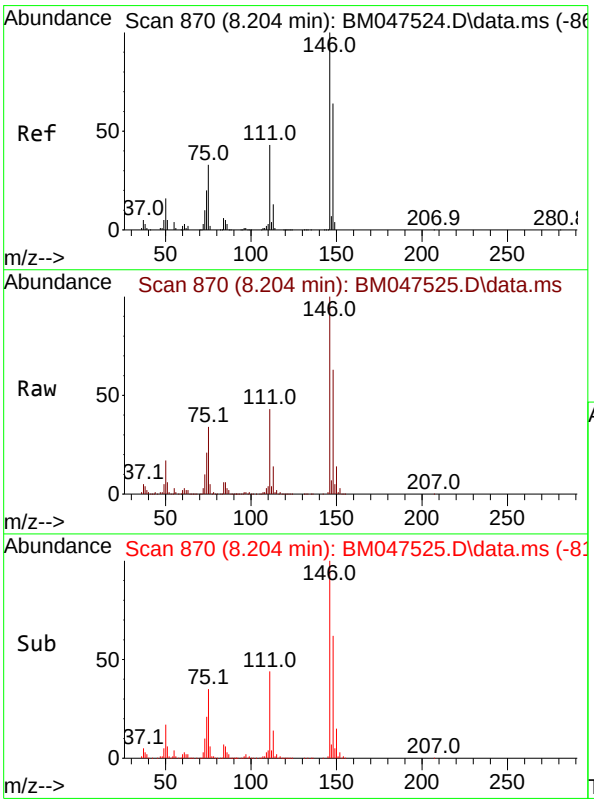
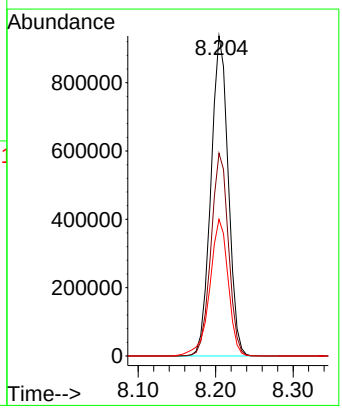
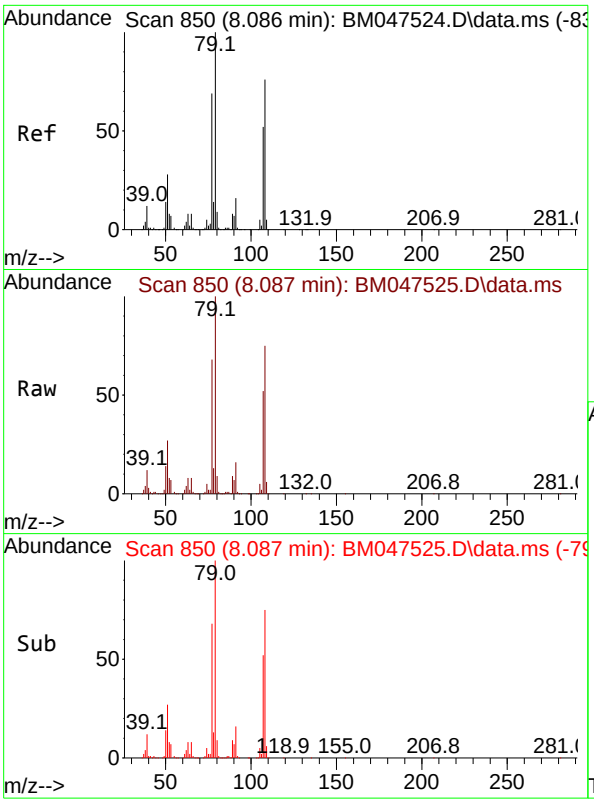



#14
1,2-Dichlorobenzene
Concen: 49.019 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:146 Resp: 1454714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.1 | 76.7 |
| 111 | 42.7 | 34.7 | 52.1 |

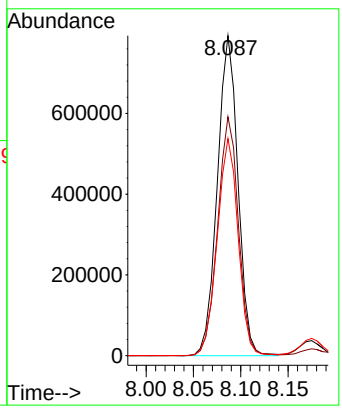





#15
Benzyl Alcohol
Concen: 51.344 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 79 Resp: 120174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.7 | 60.6 | 91.0 |
| 77 | 67.8 | 55.0 | 82.4 |




**Instrument :**
BNA_M
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SSTDICC050

**Manual Integrations**
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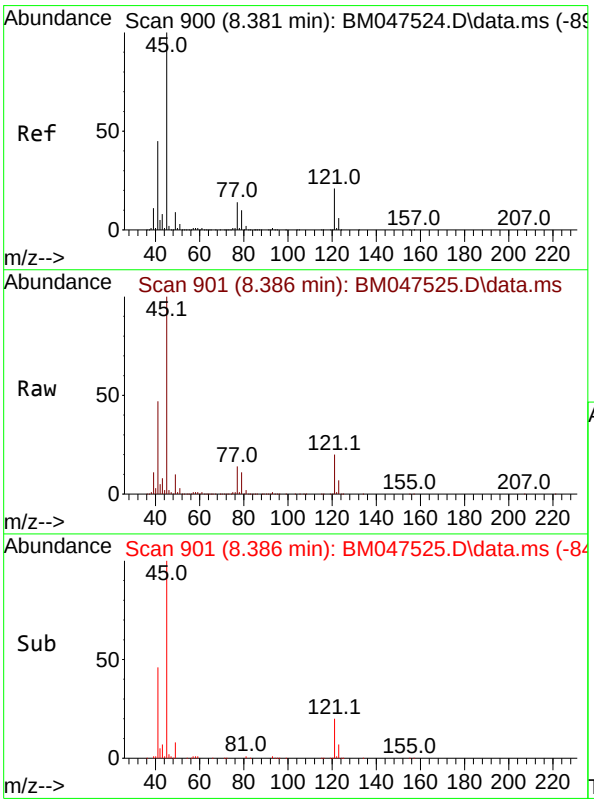
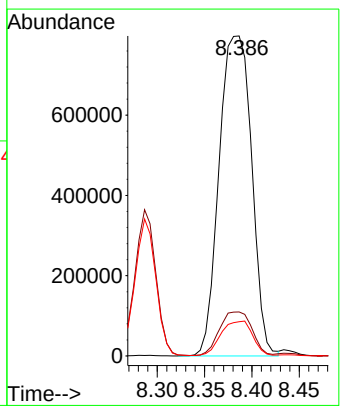
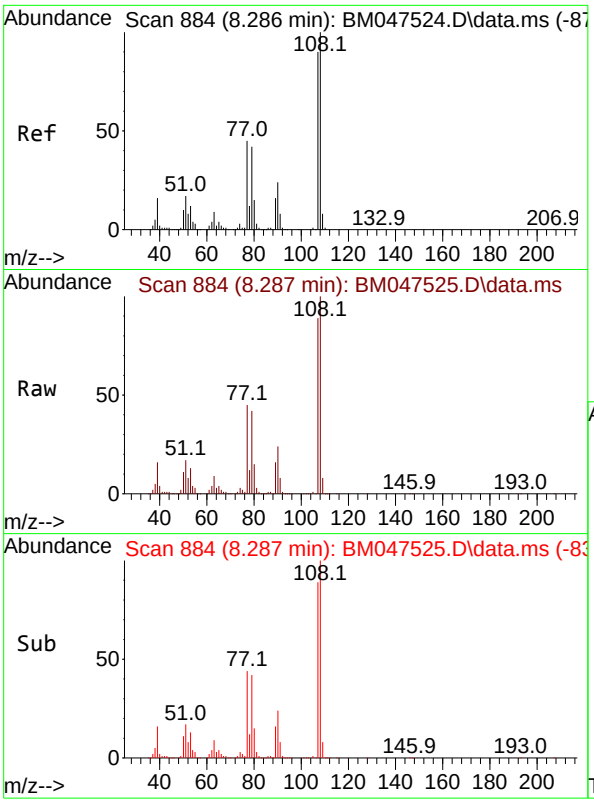



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.725 ng
RT: 8.386 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 45 Resp: 1903817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.8 | 0.0 | 33.7 |
| 79 | 10.7 | 0.0 | 30.3 |

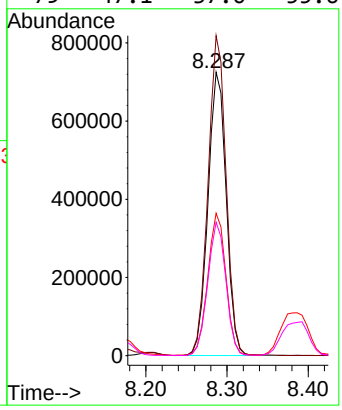





#17
2-Methylphenol
Concen: 51.000 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 112723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.9 | 88.9 | 133.3 |
| 77 | 50.3 | 39.8 | 59.8 |
| 79 | 47.1 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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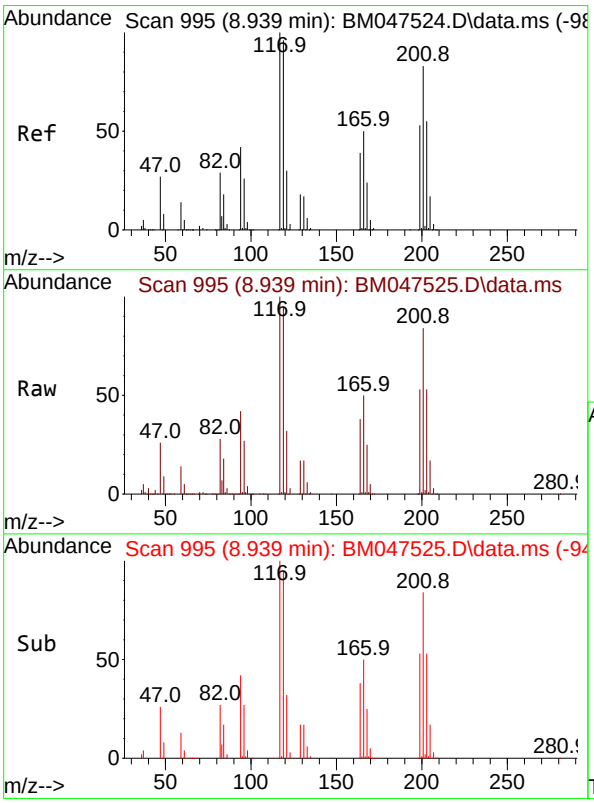
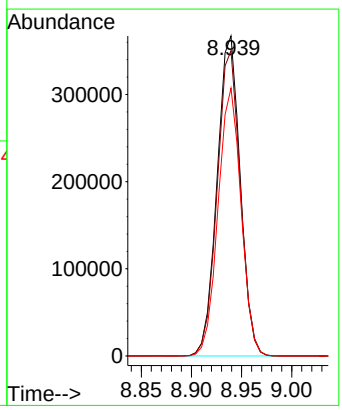
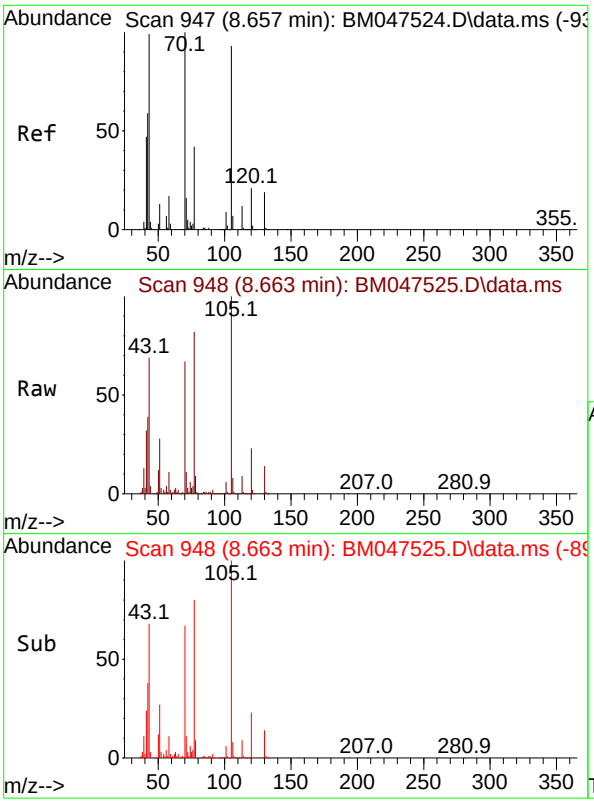



#18
Hexachloroethane
Concen: 48.897 ng
RT: 8.939 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:117 Resp: 589028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 77.0 | 115.4 |
| 201 | 83.7 | 66.8 | 100.2 |

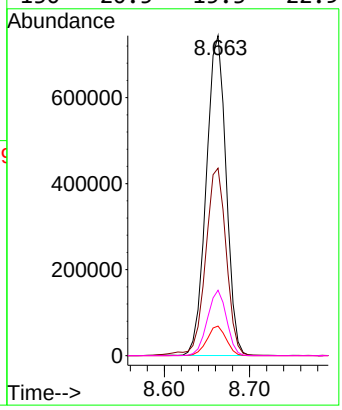





#19
n-Nitroso-di-n-propylamine
Concen: 51.673 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 70 Resp: 120385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.6 | 48.2 | 72.2 |
| 101 | 9.3 | 7.0 | 10.4 |
| 130 | 20.5 | 15.3 | 22.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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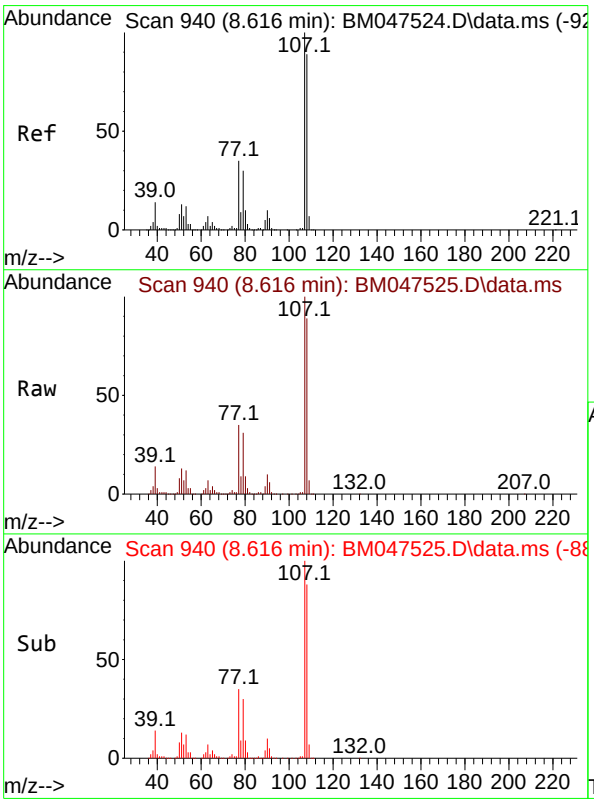
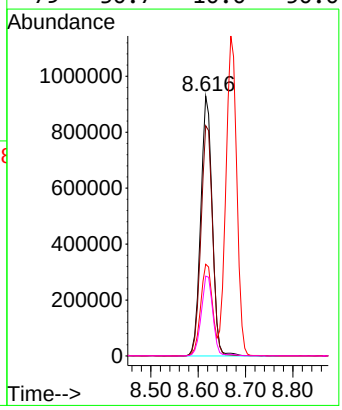
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

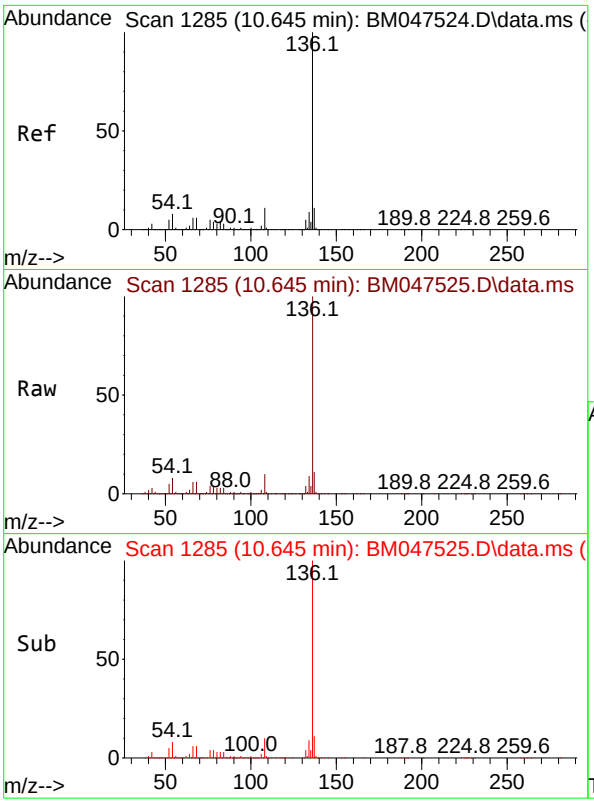



#20
3+4-Methylphenols
Concen: 50.725 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 1564378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.6 | 68.9 | 108.9 |
| 77 | 35.3 | 15.5 | 55.5 |
| 79 | 30.7 | 10.0 | 50.0 |

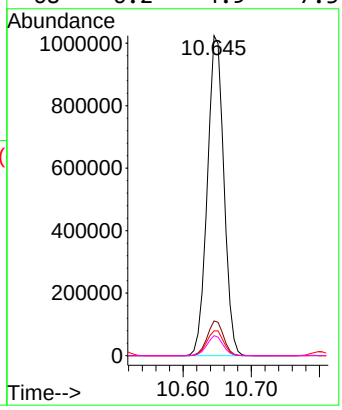





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:136 Resp: 172494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 7.7 | 6.6 | 9.8 |
| 68 | 6.2 | 4.9 | 7.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations**
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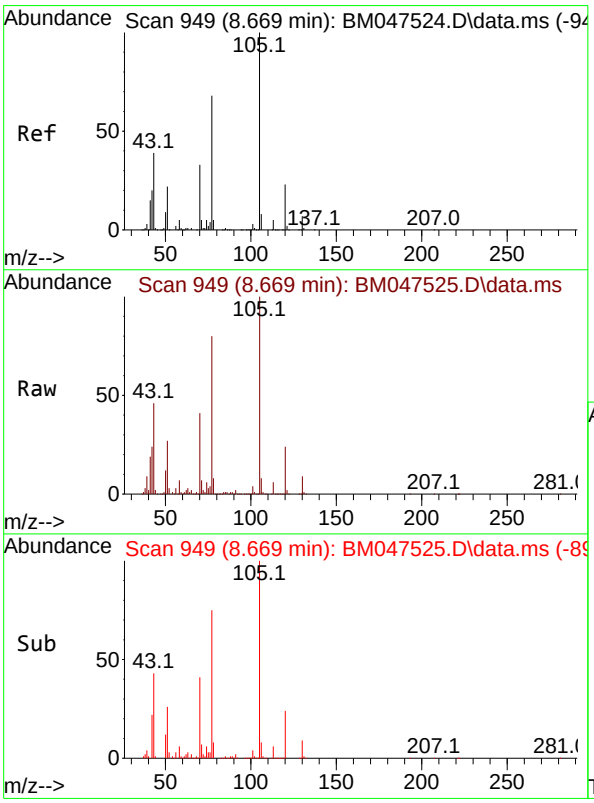
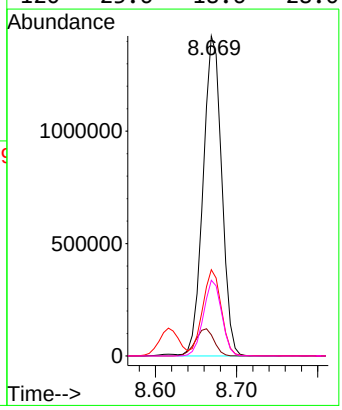
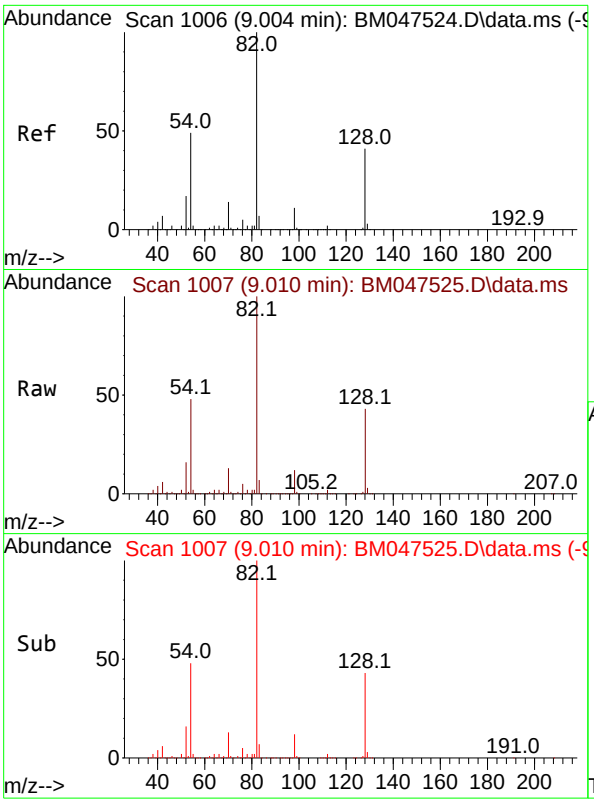



#22
Acetophenone
Concen: 49.852 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:105 Resp: 2260781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 4.3 | 6.5# |
| 51 | 27.0 | 21.5 | 32.3 |
| 120 | 23.6 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 100.090 ng
RT: 9.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 82 Resp: 344981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.3 | 33.0 | 49.4 |
| 54 | 48.0 | 39.3 | 58.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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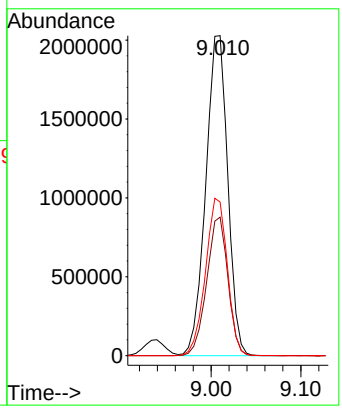
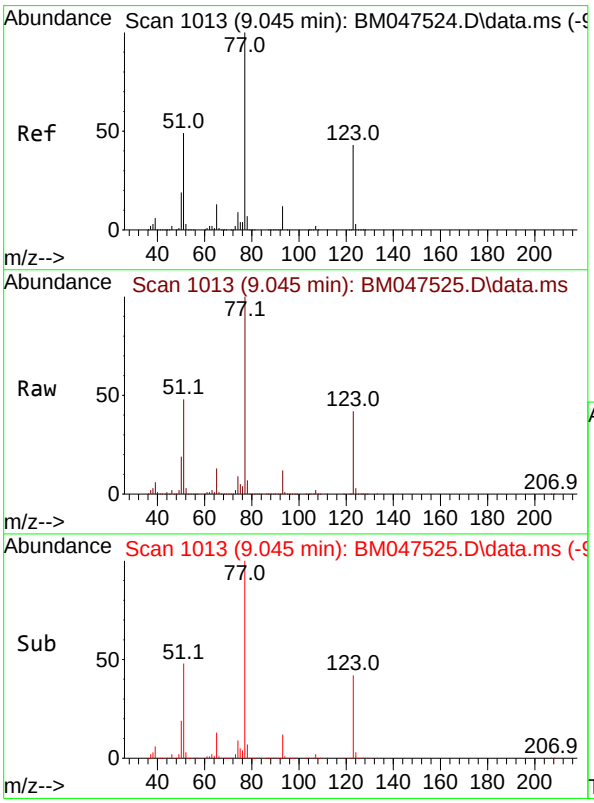
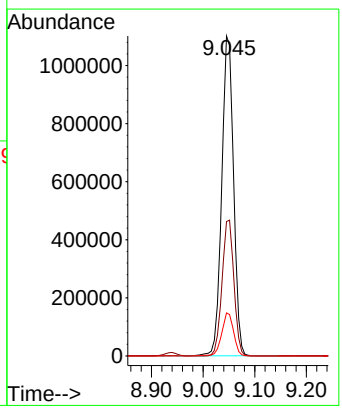


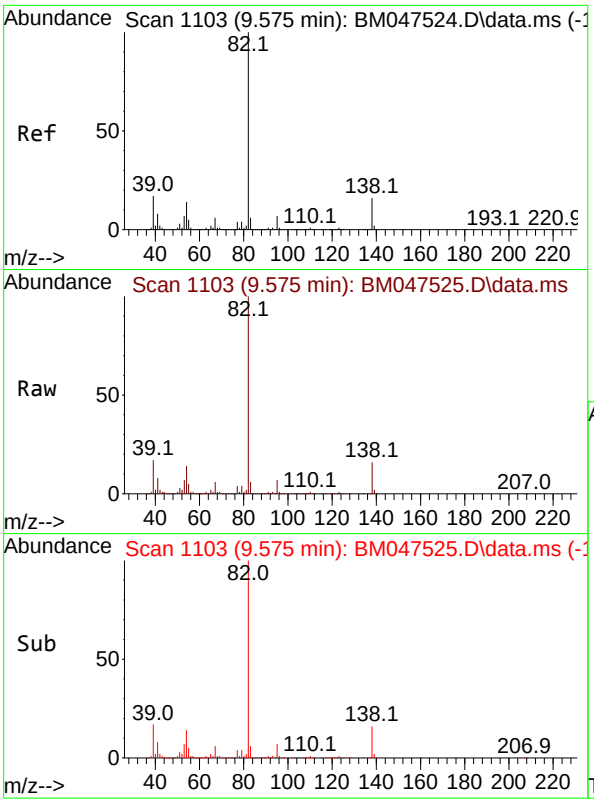




#24
Nitrobenzene
Concen: 49.499 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 1753123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.0 | 34.5 | 51.7 |
| 65 | 13.4 | 10.7 | 16.1 |

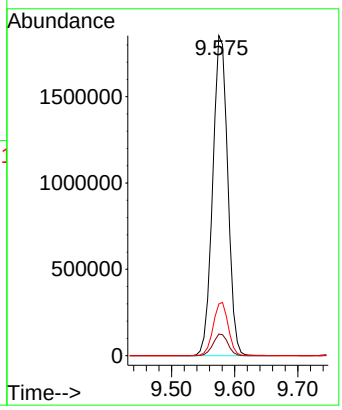





#25
Isophorone
Concen: 50.553 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 82 Resp: 306327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.4 | 8.0 |
| 138 | 16.1 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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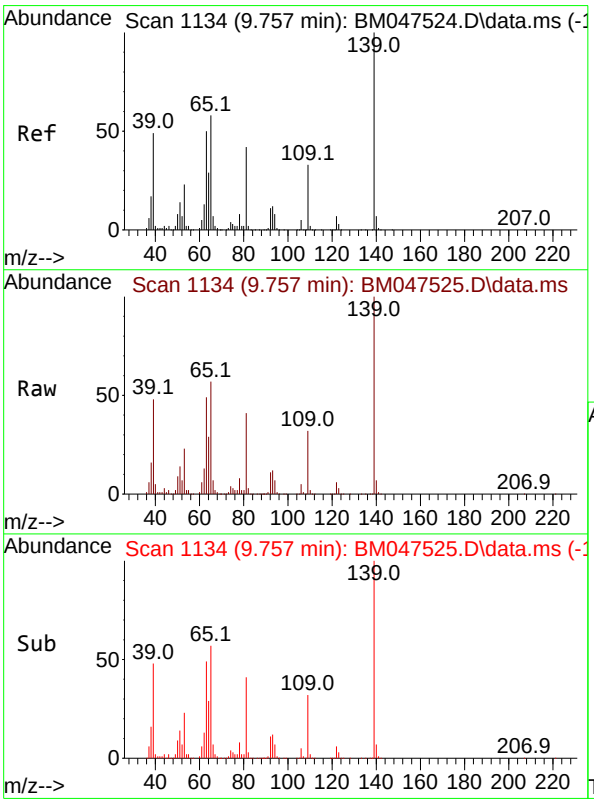
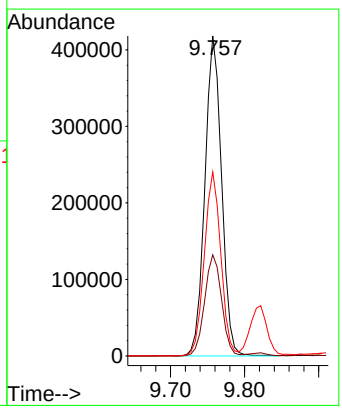
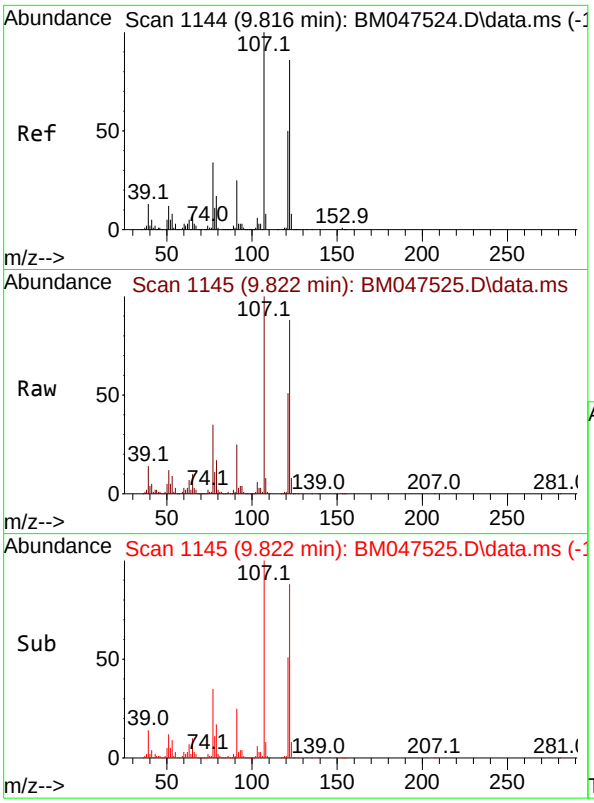



#26
2-Nitrophenol
Concen: 54.160 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:139 Resp: 653650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.6 | 26.0 | 39.0 |
| 65 | 57.5 | 46.2 | 69.4 |

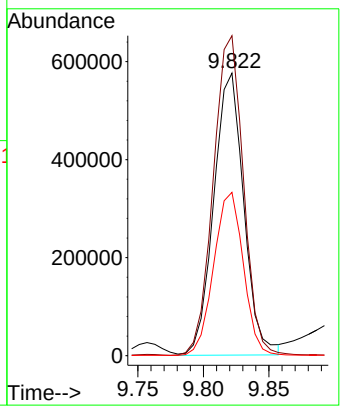





#27
2,4-Dimethylphenol
Concen: 50.105 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:122 Resp: 91668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.2 | 92.4 | 138.6 |
| 121 | 57.8 | 46.2 | 69.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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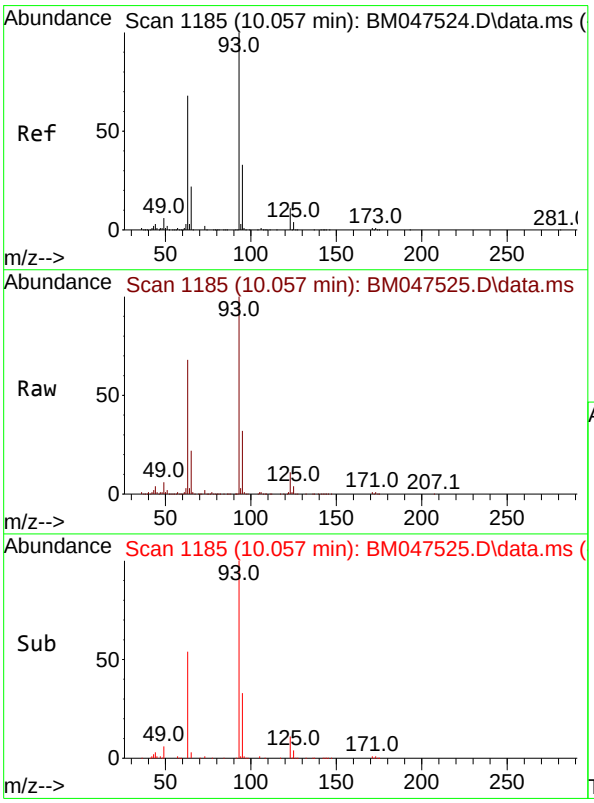
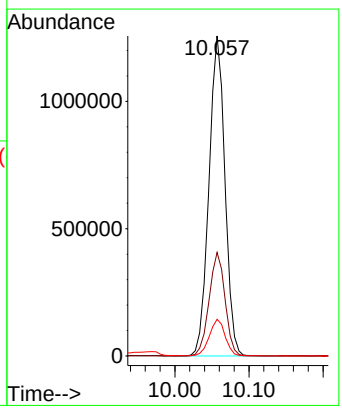
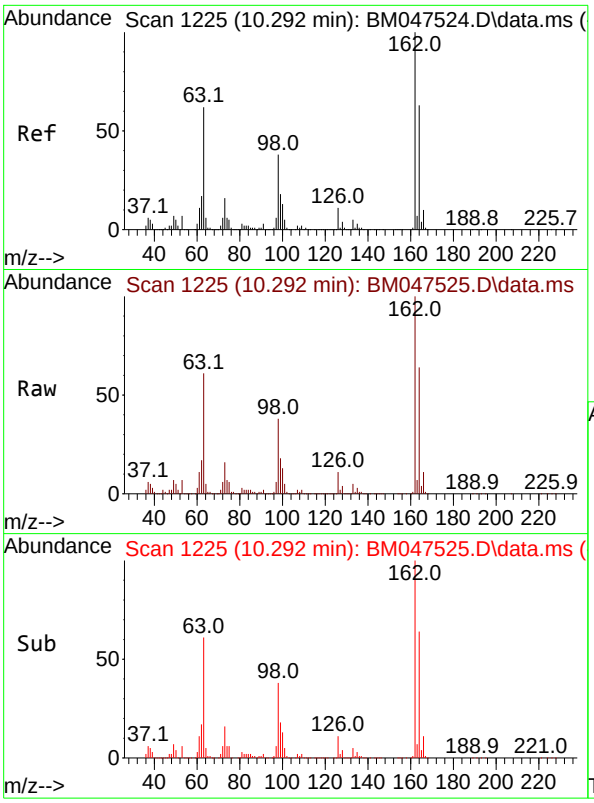



#28
bis(2-Chloroethoxy)methane
Concen: 49.443 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 93 Resp: 1881906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 11.4 | 9.2 | 13.8 |

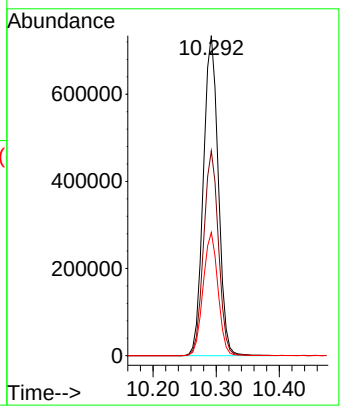





#29
2,4-Dichlorophenol
Concen: 51.885 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:162 Resp: 120599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.5 | 83.5 |
| 98 | 38.5 | 17.6 | 57.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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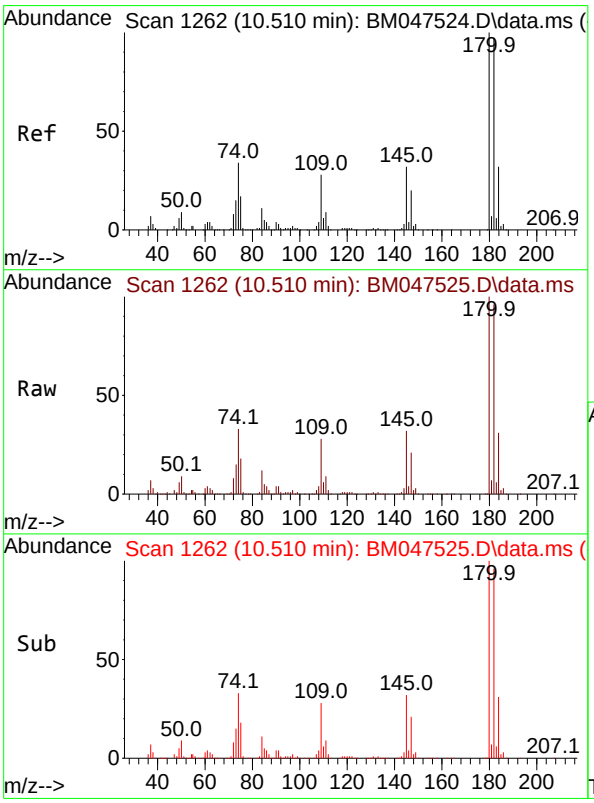
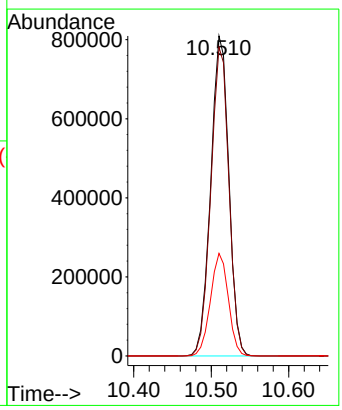
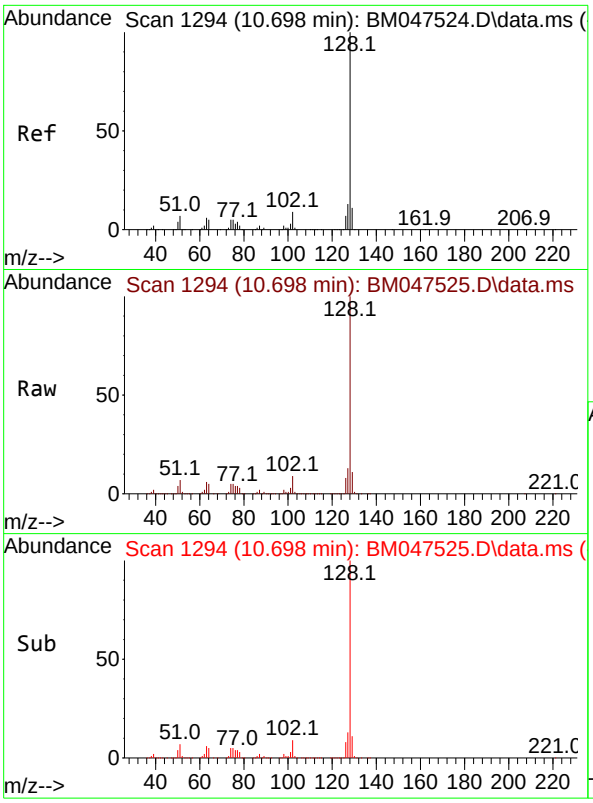



#30
1,2,4-Trichlorobenzene
Concen: 49.431 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:180 Resp: 1316098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 77.6 | 116.4 |
| 145 | 32.1 | 25.4 | 38.0 |

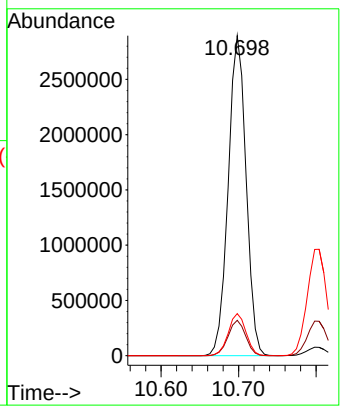





#31
Naphthalene
Concen: 49.926 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:128 Resp: 465111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.7 | 13.1 |
| 127 | 13.2 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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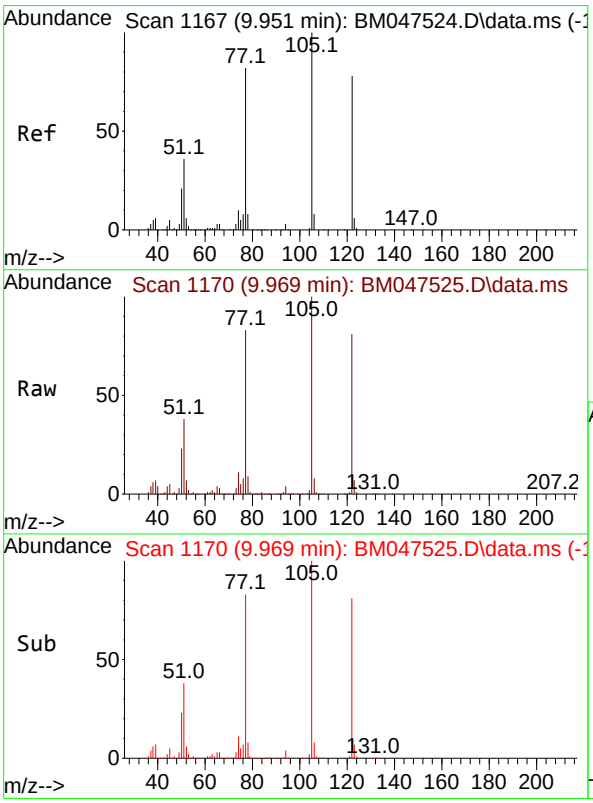
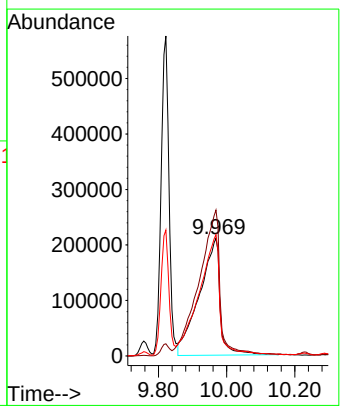
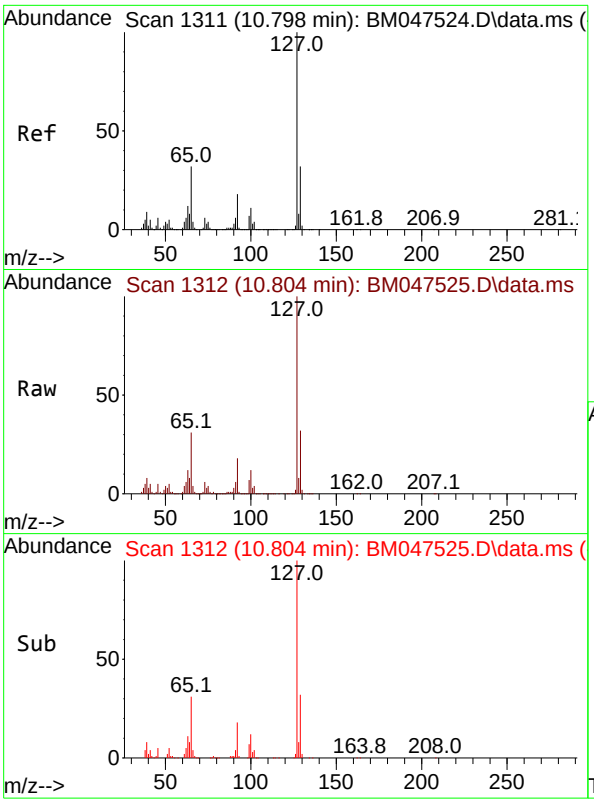



#32
Benzoic acid
Concen: 49.165 ng
RT: 9.969 min Scan# 1170
Delta R.T. 0.018 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:122 Resp: 890510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 104.7 | 144.7 |
| 77 | 103.2 | 83.4 | 123.4 |

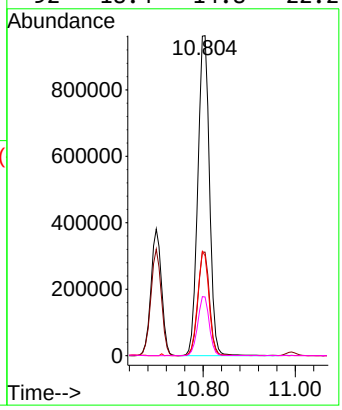





#33
4-Chloroaniline
Concen: 50.379 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:127 Resp: 169688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.4 | 38.0 |
| 65 | 31.2 | 25.5 | 38.3 |
| 92 | 18.4 | 14.8 | 22.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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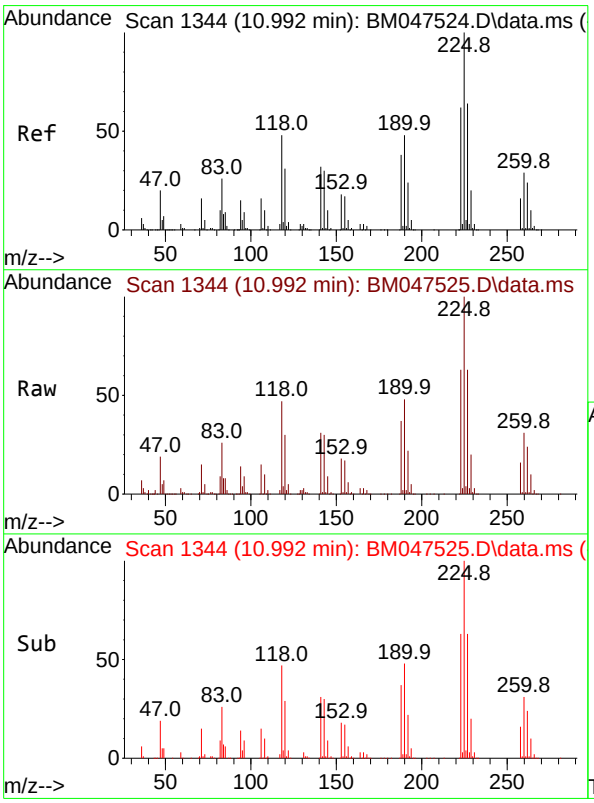
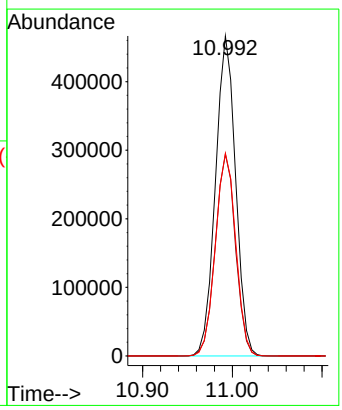
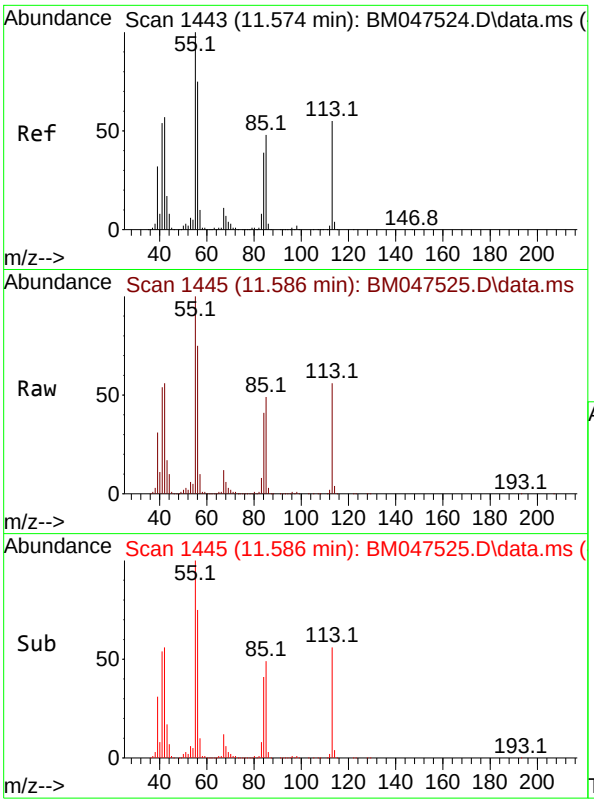



#34
Hexachlorobutadiene
Concen: 49.322 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:225 Resp: 727359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 49.8 | 74.6 |
| 227 | 63.3 | 51.0 | 76.4 |






#35
Caprolactam
Concen: 52.645 ng
RT: 11.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:113 Resp: 40307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 177.0 | 162.5 | 202.5 |
| 56 | 132.0 | 116.5 | 156.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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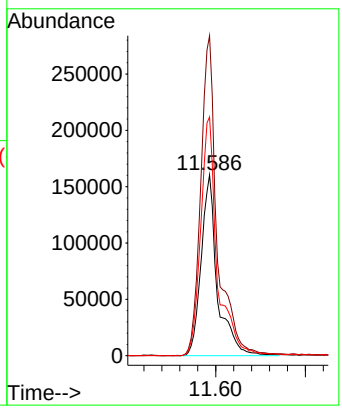
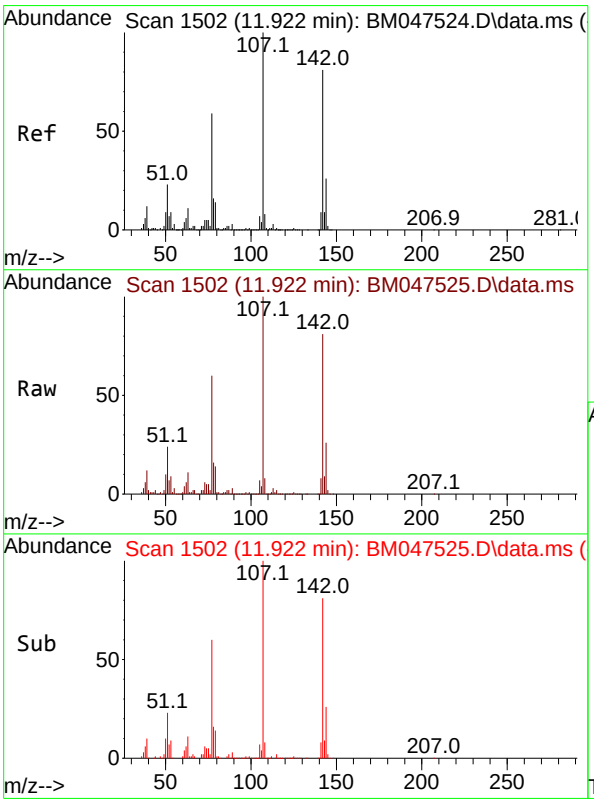
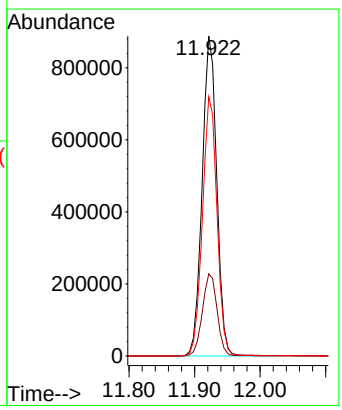


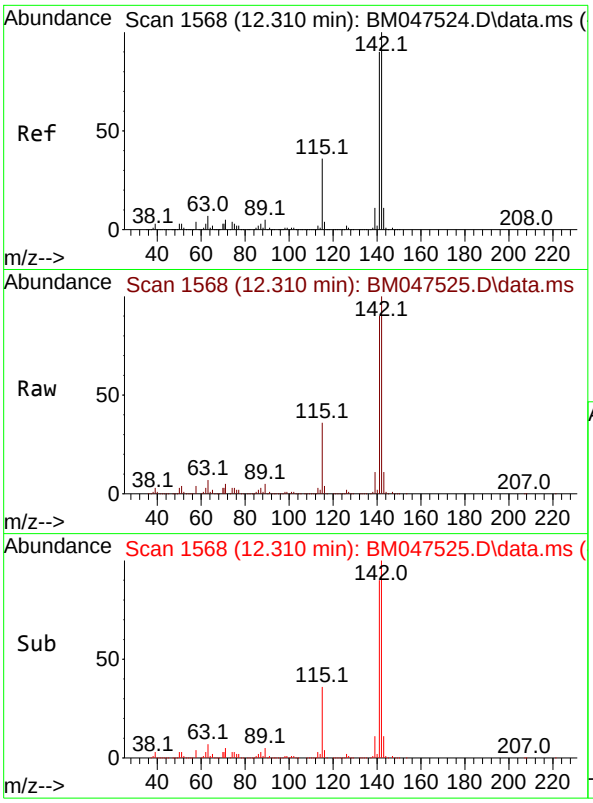




#36
4-Chloro-3-methylphenol
Concen: 51.697 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:107 Resp: 1377067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.7 | 20.5 | 30.7 |
| 142 | 81.0 | 65.0 | 97.4 |

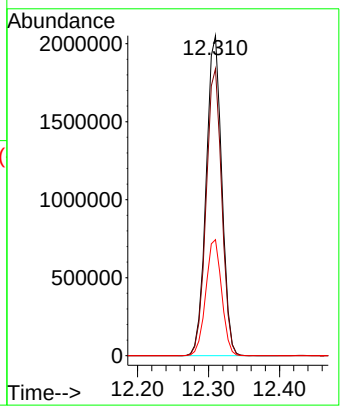





#37
2-Methylnaphthalene
Concen: 50.577 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:142 Resp: 313594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 72.2 | 108.4 |
| 115 | 36.2 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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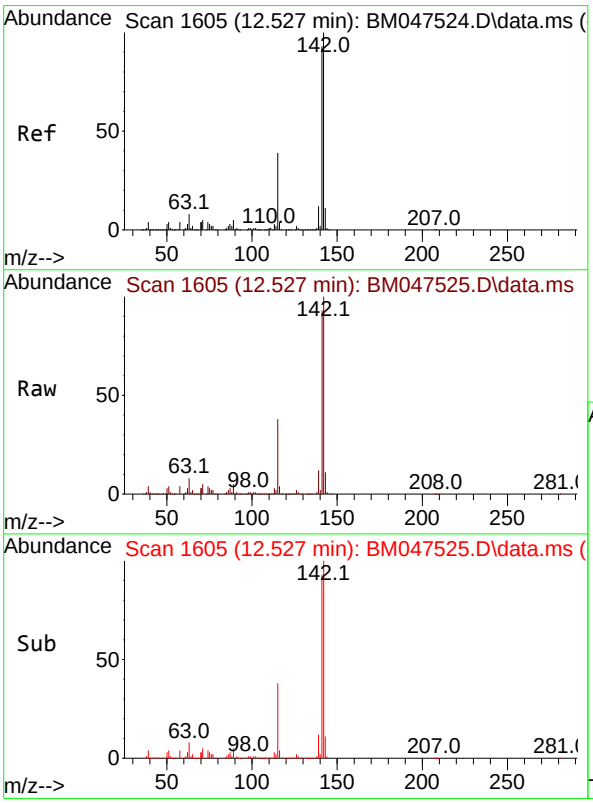
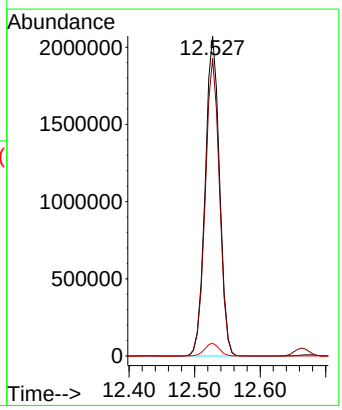
Supervised By :mohammad ahmed 09/17/2024

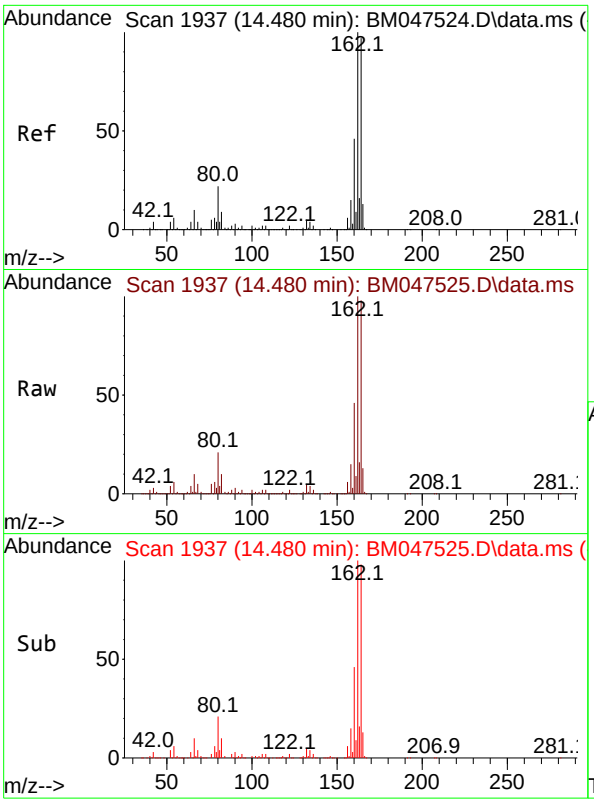



#38
1-Methylnaphthalene
Concen: 50.961 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:142 Resp: 3140091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 74.7 | 112.1 |
| 116 | 4.0 | 3.2 | 4.8 |

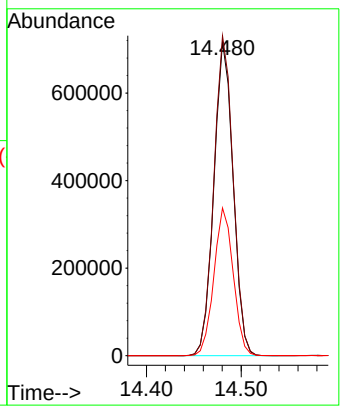





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:164 Resp: 101327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 82.2 | 123.2 |
| 160 | 47.0 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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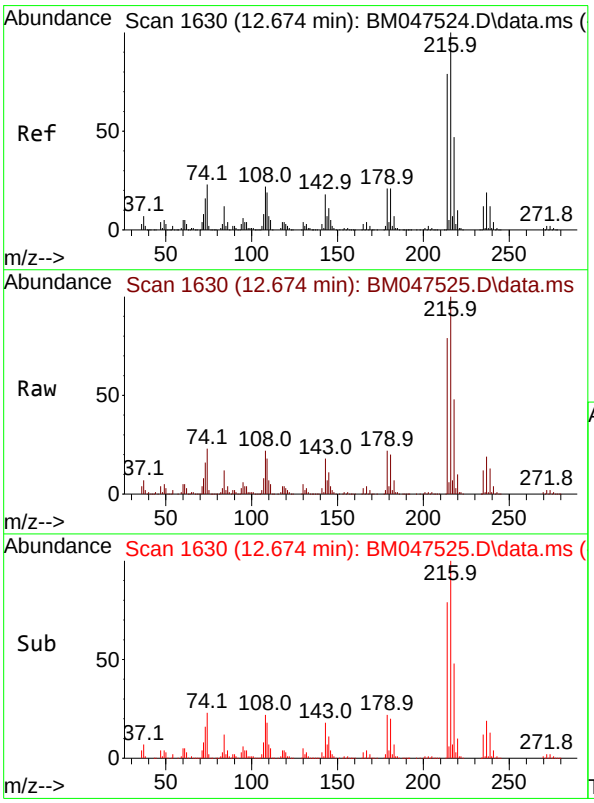
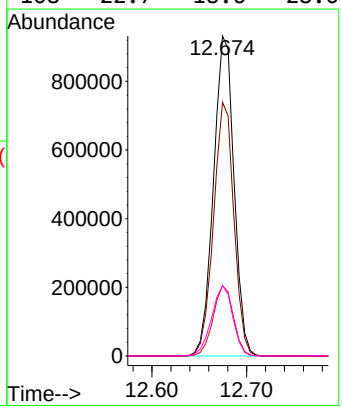
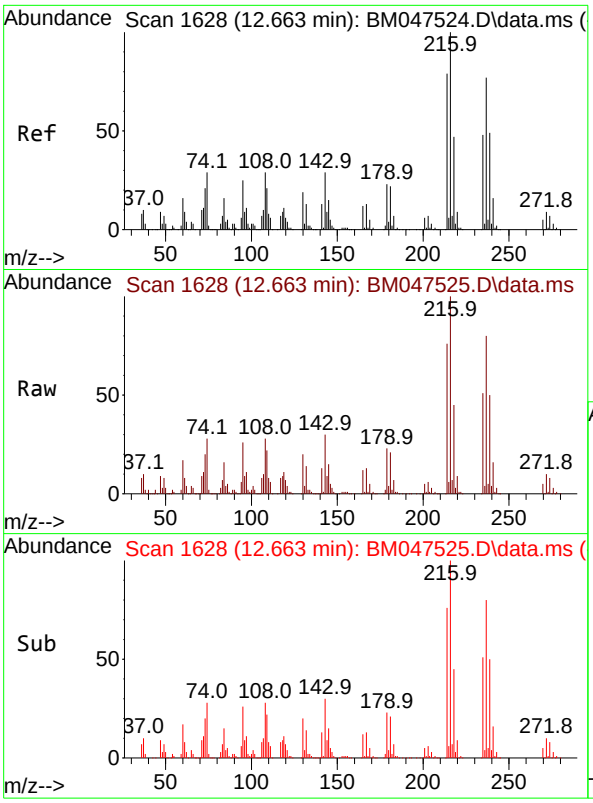



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.207 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:216 Resp: 1404023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 63.0 | 94.6 |
| 179 | 21.7 | 17.5 | 26.3 |
| 108 | 22.7 | 18.6 | 28.0 |






#41
Hexachlorocyclopentadiene
Concen: 51.304 ng
RT: 12.663 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:237 Resp: 45986(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.0 | 42.0 | 82.0 |
| 272 | 12.8 | 0.0 | 31.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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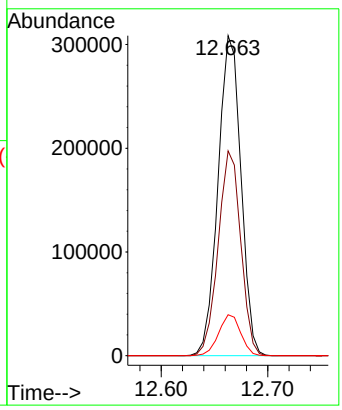
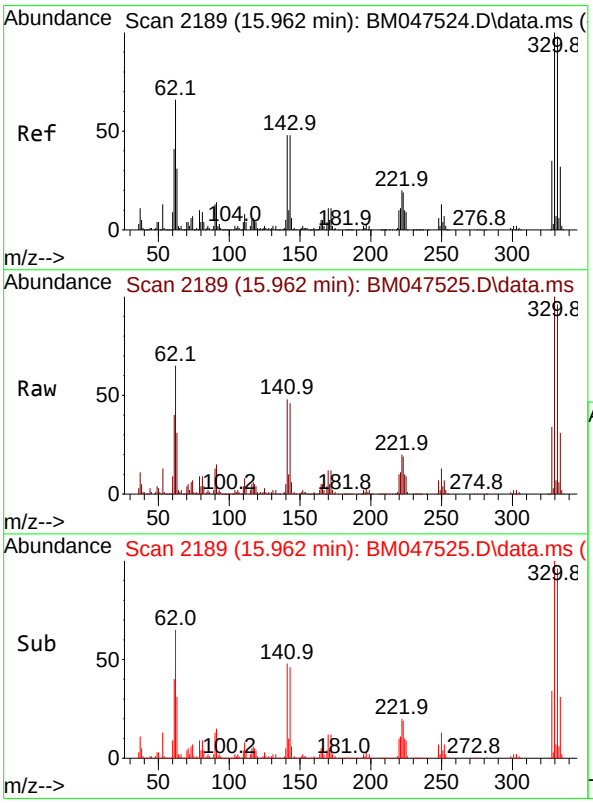
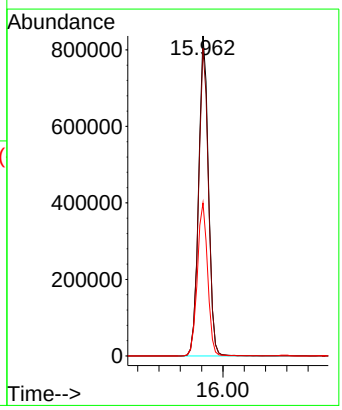


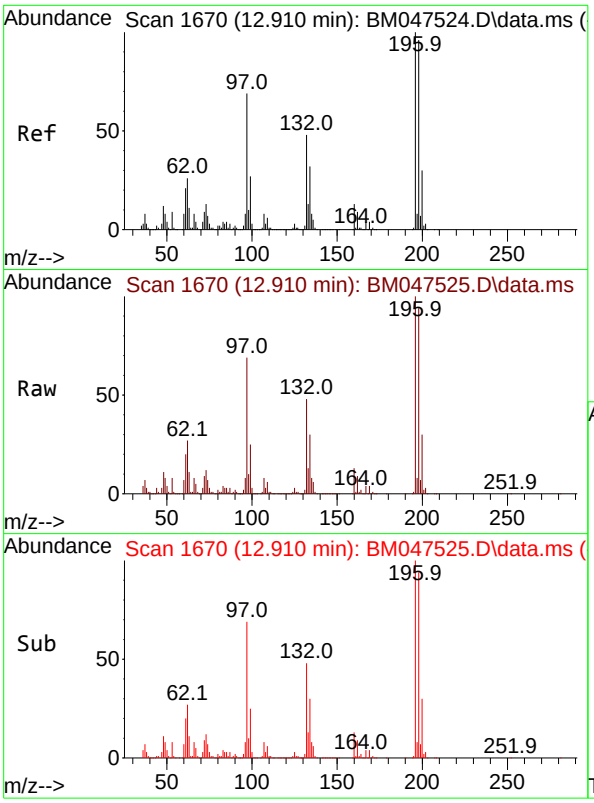




#42
2,4,6-Tribromophenol
Concen: 109.339 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:330 Resp: 1070883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.9 | 115.3 |
| 141 | 50.2 | 42.2 | 63.2 |

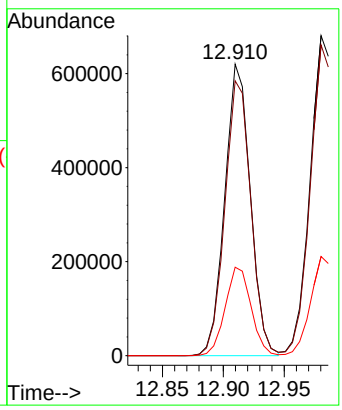





#43
2,4,6-Trichlorophenol
Concen: 52.782 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:196 Resp: 90665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.3 | 76.9 | 115.3 |
| 200 | 30.4 | 24.3 | 36.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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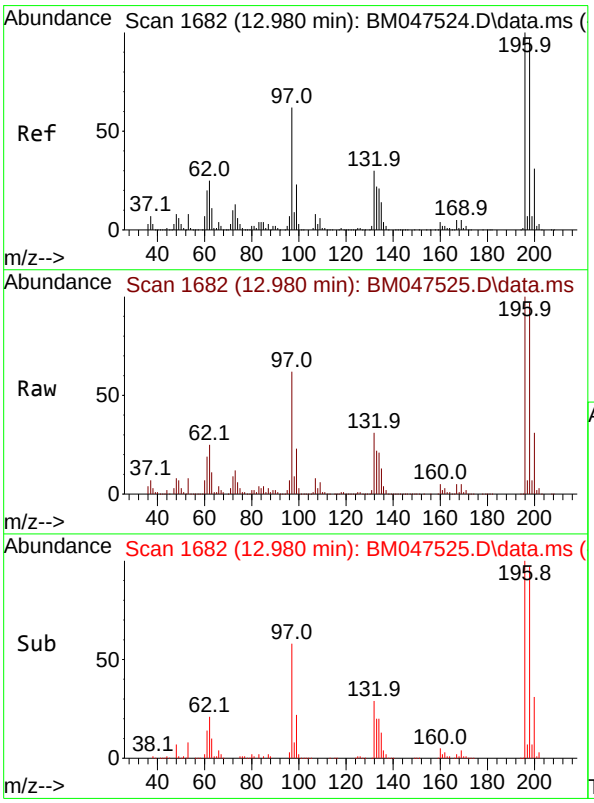
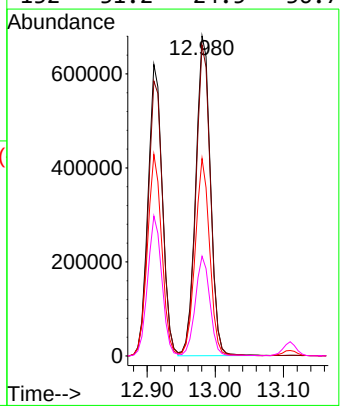
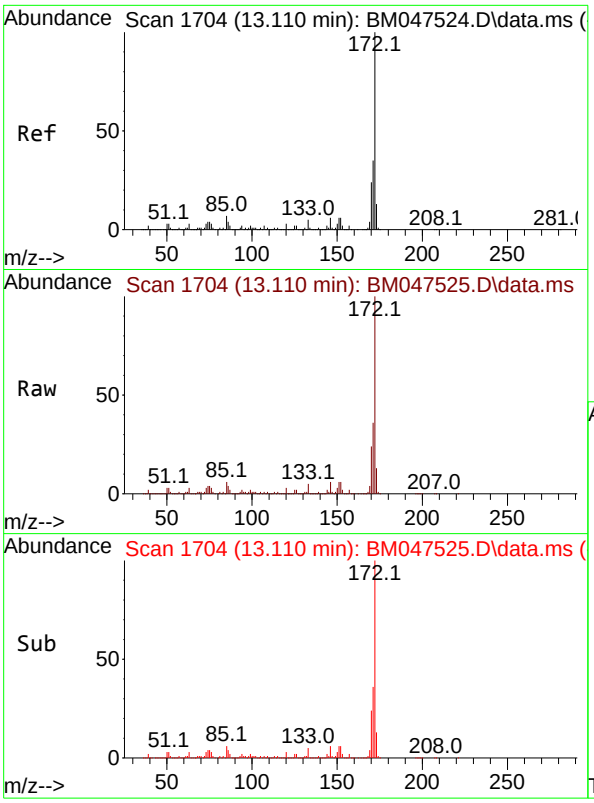



#44
2,4,5-Trichlorophenol
Concen: 52.552 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:196 Resp: 1019629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 77.4 | 116.2 |
| 97 | 61.7 | 49.8 | 74.8 |
| 132 | 31.2 | 24.5 | 36.7 |

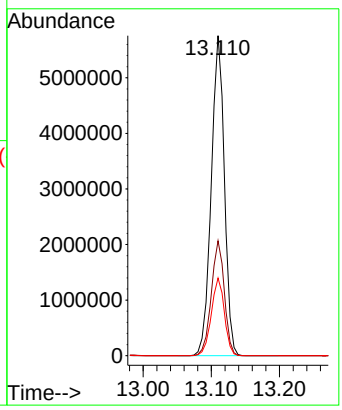





#45
2-Fluorobiphenyl
Concen: 104.898 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:172 Resp: 771603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.2 | 42.2 |
| 170 | 24.3 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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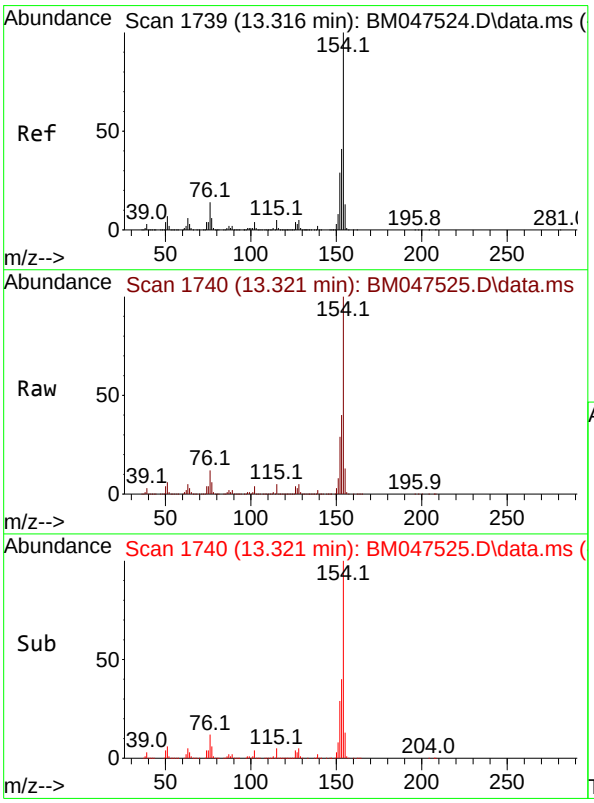
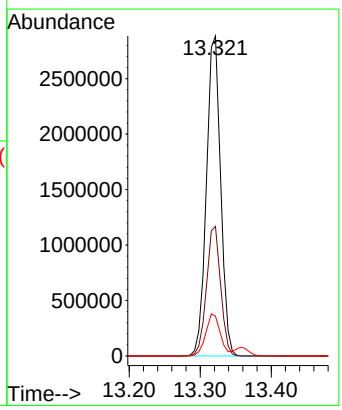
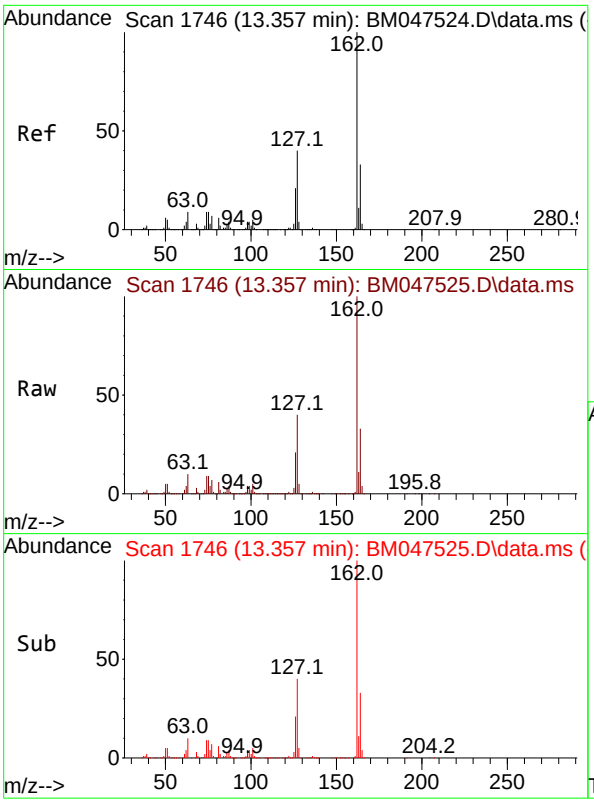



#46
1,1'-Biphenyl
Concen: 50.905 ng
RT: 13.321 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:154 Resp: 4013259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 20.6 | 60.6 |
| 76 | 12.5 | 0.0 | 33.9 |

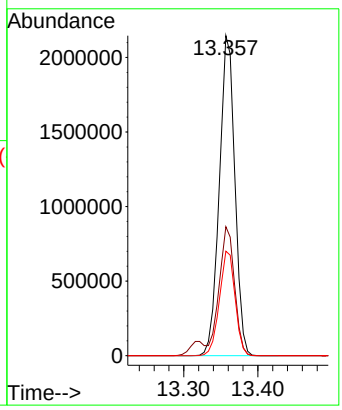





#47
2-Chloronaphthalene
Concen: 51.065 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:162 Resp: 312599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.3 | 32.2 | 48.4 |
| 164 | 32.7 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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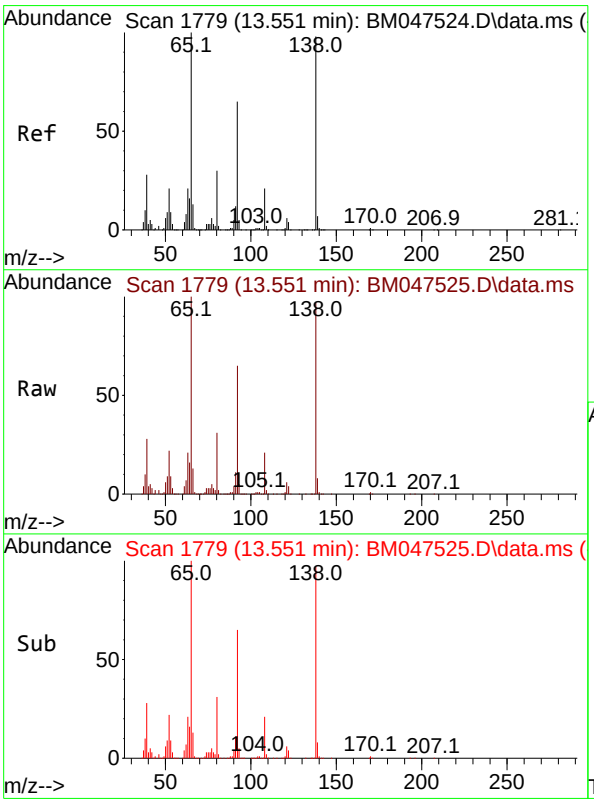
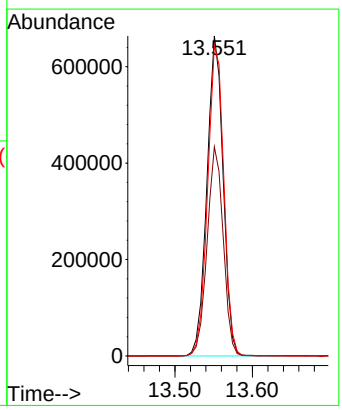
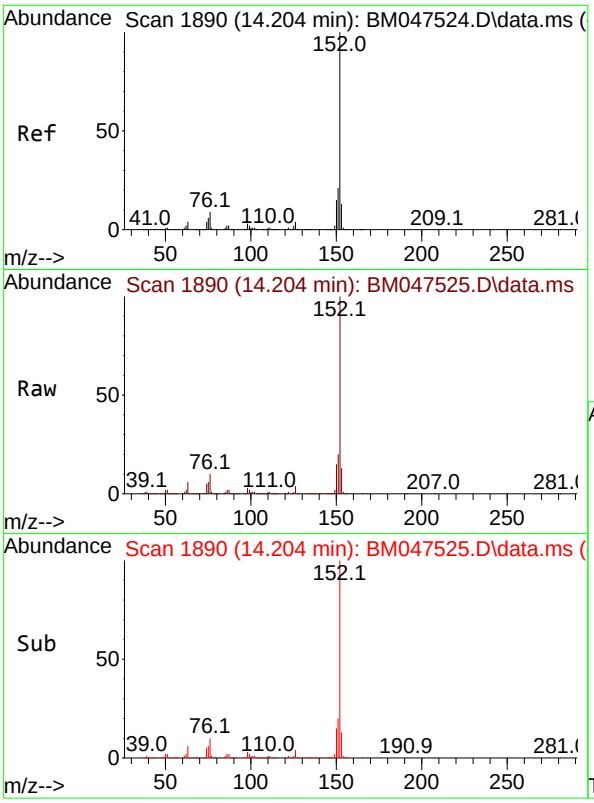



#48
2-Nitroaniline
Concen: 53.545 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 65 Resp: 962763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.3 | 51.9 | 77.9 |
| 138 | 96.8 | 78.5 | 117.7 |

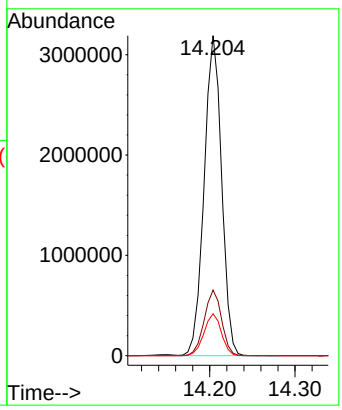





#49
Acenaphthylene
Concen: 51.383 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:152 Resp: 453912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.5 | 24.7 |
| 153 | 13.1 | 10.4 | 15.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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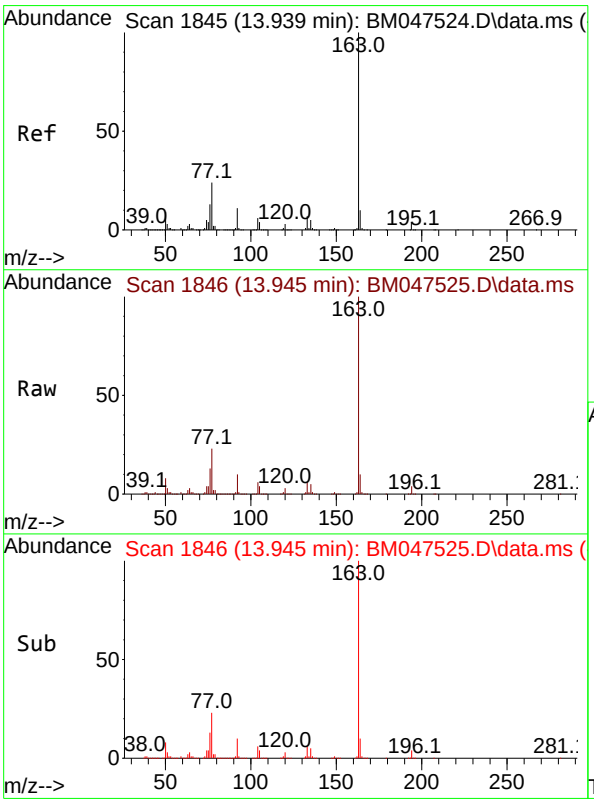
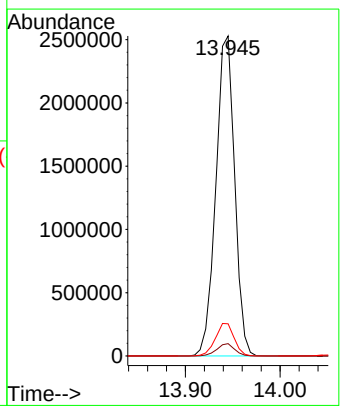
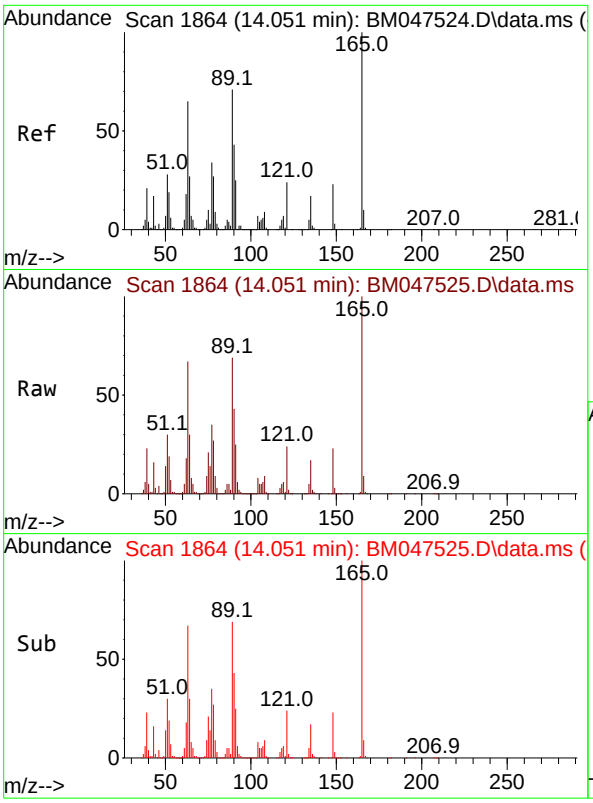



#50
Dimethylphthalate
Concen: 50.489 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:163 Resp: 3486930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 2.9 | 4.3 |
| 164 | 10.0 | 7.9 | 11.9 |

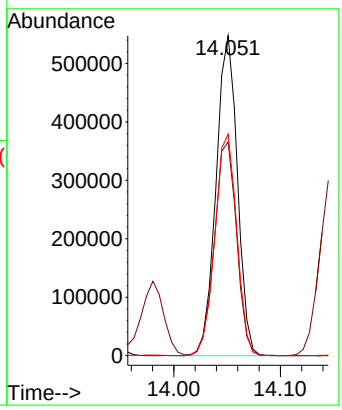





#51
2,6-Dinitrotoluene
Concen: 52.129 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:165 Resp: 76000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 66.8 | 54.2 | 81.2 |
| 89 | 69.2 | 56.4 | 84.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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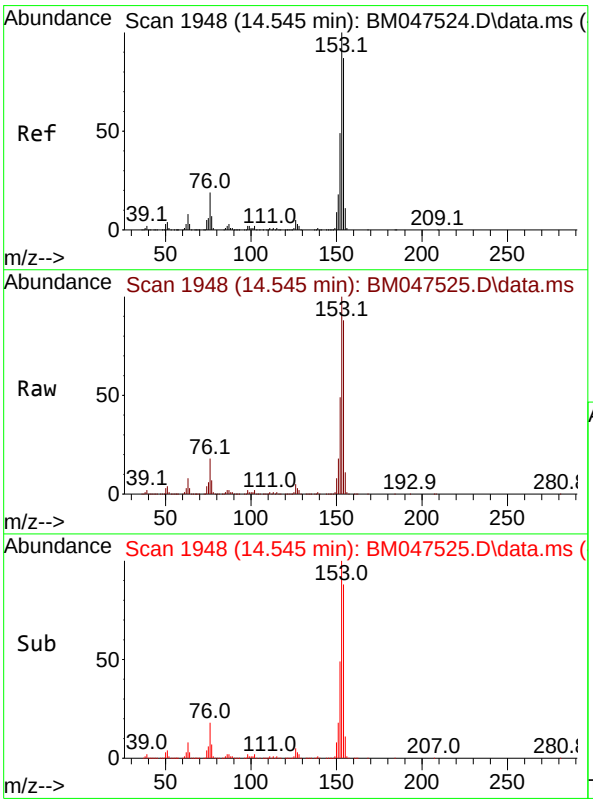
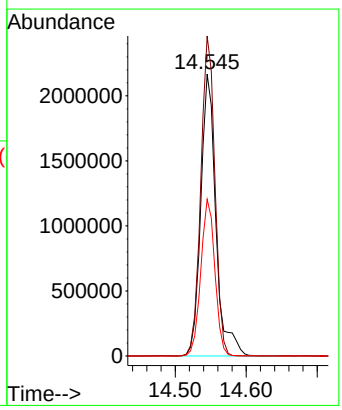
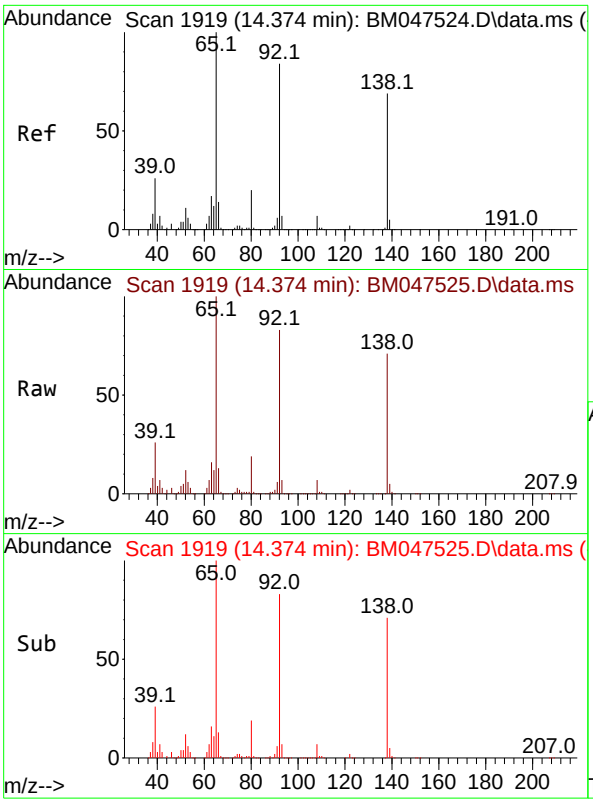



#52
Acenaphthene
Concen: 51.838 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:154 Resp: 3208580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 92.2 | 138.2 |
| 152 | 55.6 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 53.063 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:138 Resp: 85988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.6 | 8.0 | 12.0 |
| 92 | 117.5 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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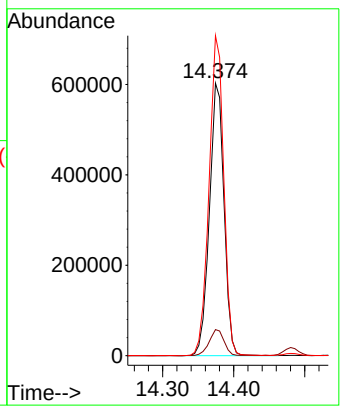
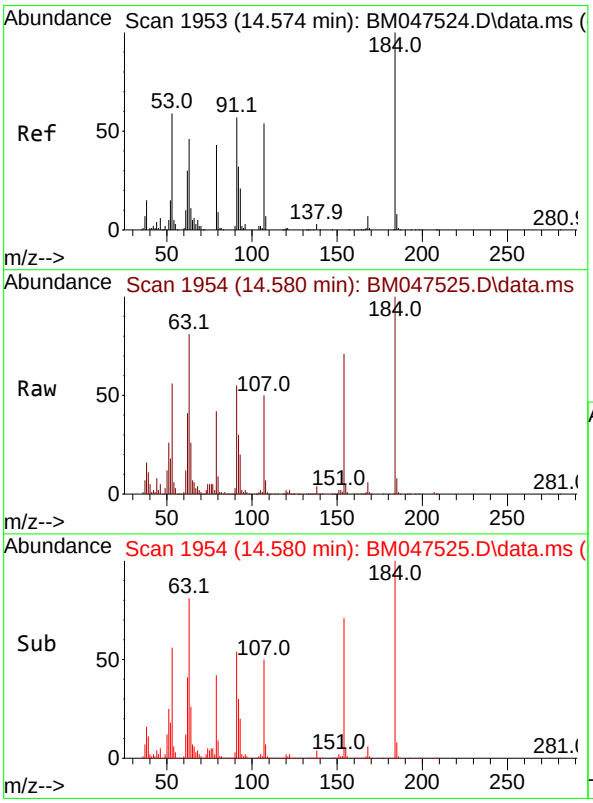
Supervised By :mohammad ahmed 09/17/2024

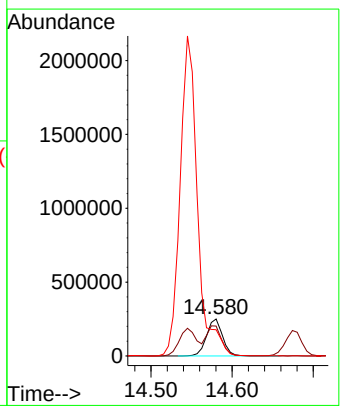


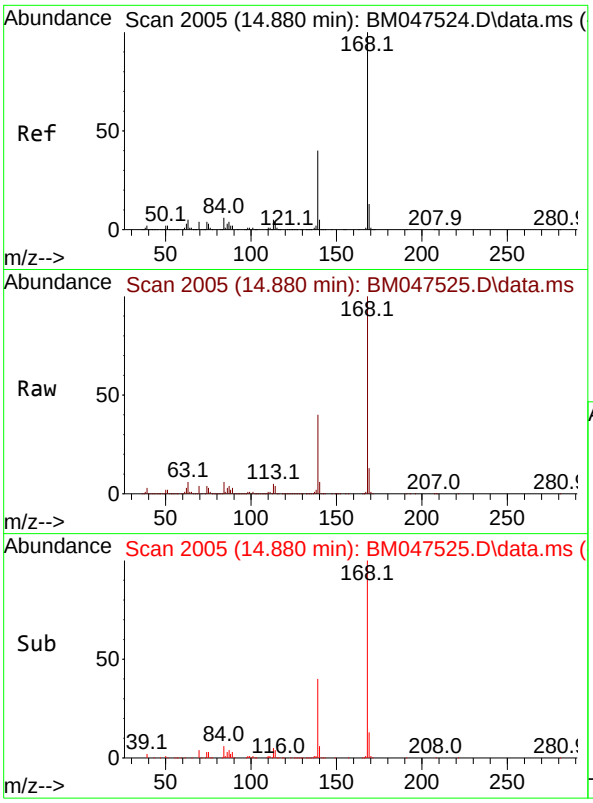




#54
2,4-Dinitrophenol
Concen: 49.904 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:184 Resp: 341766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 81.1 | 69.4 | 104.0 |
| 154 | 71.2 | 60.4 | 90.6 |

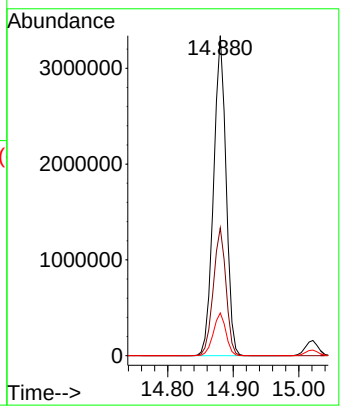





#55
Dibenzofuran
Concen: 50.752 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:168 Resp: 441438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.9 | 31.9 | 47.9 |
| 169 | 13.4 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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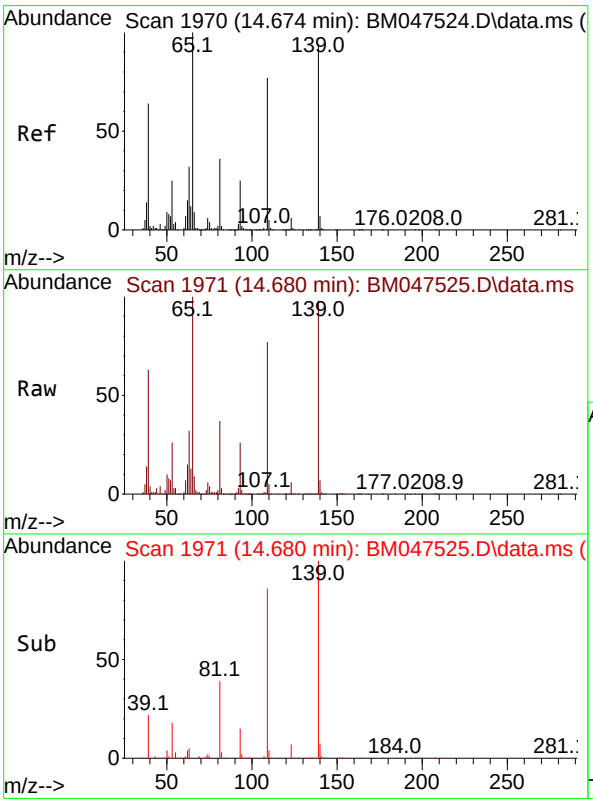
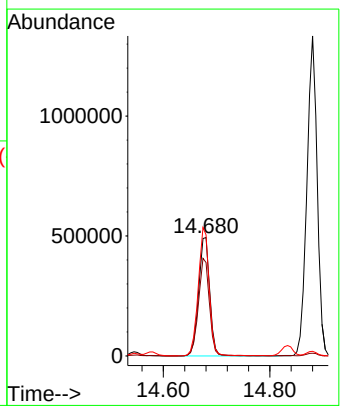
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

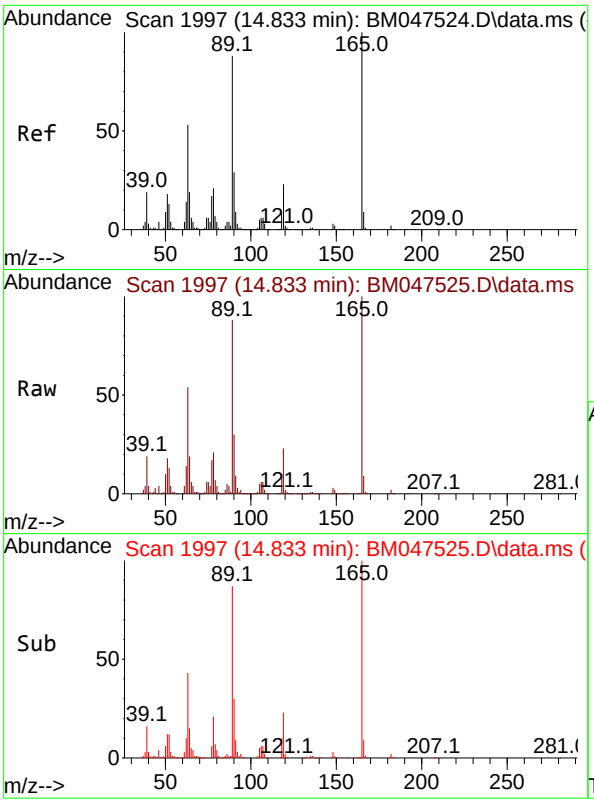



#56
4-Nitrophenol
Concen: 53.975 ng
RT: 14.680 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:139 Resp: 719745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 79.0 | 62.0 | 102.0 |
| 65 | 102.3 | 87.0 | 127.0 |

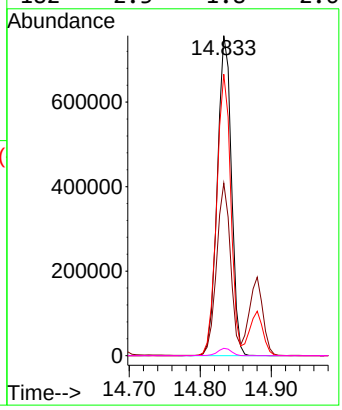





#57
2,4-Dinitrotoluene
Concen: 53.310 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:165 Resp: 103658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.9 | 42.4 | 63.6 |
| 89 | 88.0 | 70.5 | 105.7 |
| 182 | 2.3 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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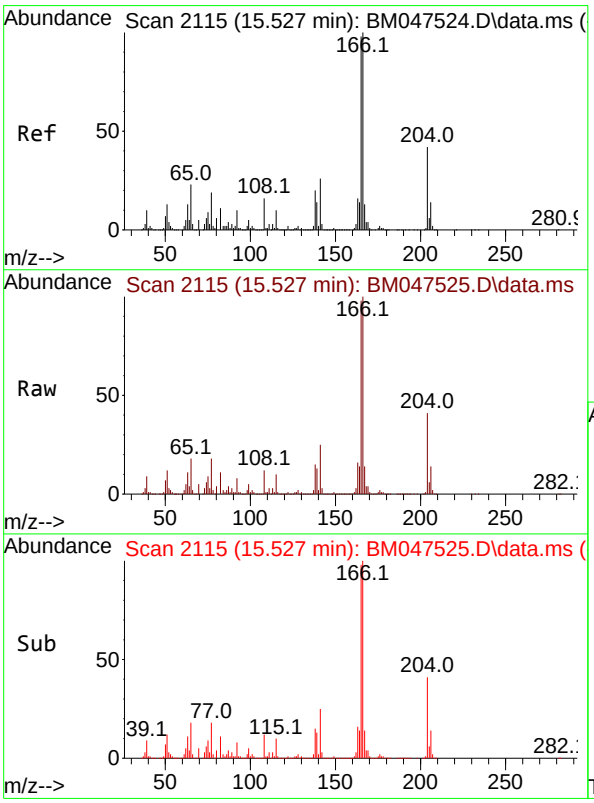
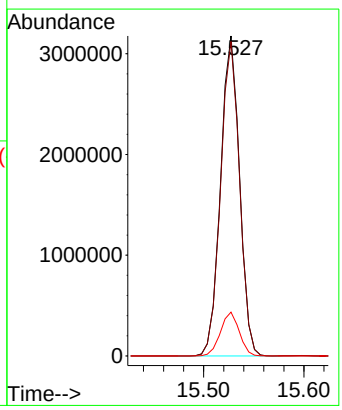
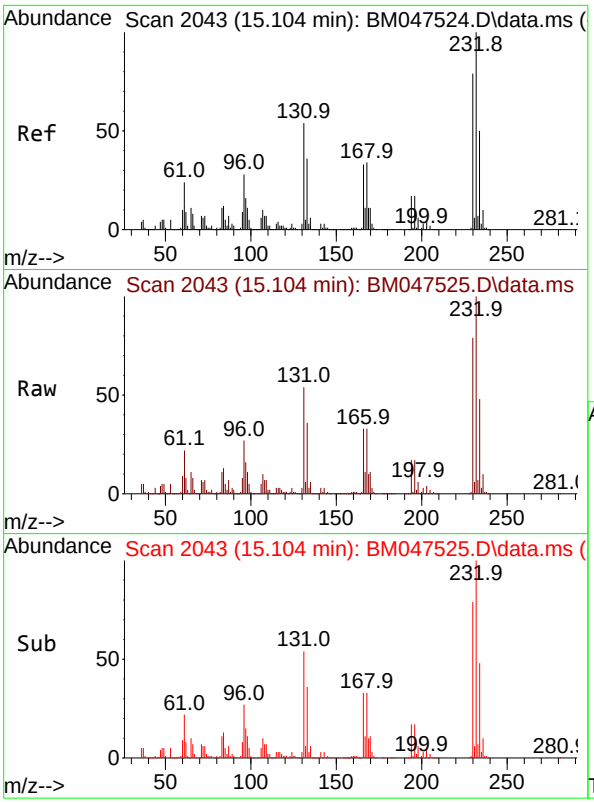



#58
Fluorene
Concen: 53.124 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:166 Resp: 4160088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 78.6 | 117.8 |
| 167 | 13.7 | 10.7 | 16.1 |

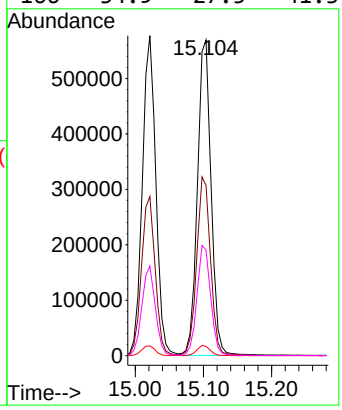





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.397 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:232 Resp: 79262(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 57.4 | 47.0 | 70.4 |
| 130 | 3.2 | 2.6 | 3.8 |
| 166 | 34.9 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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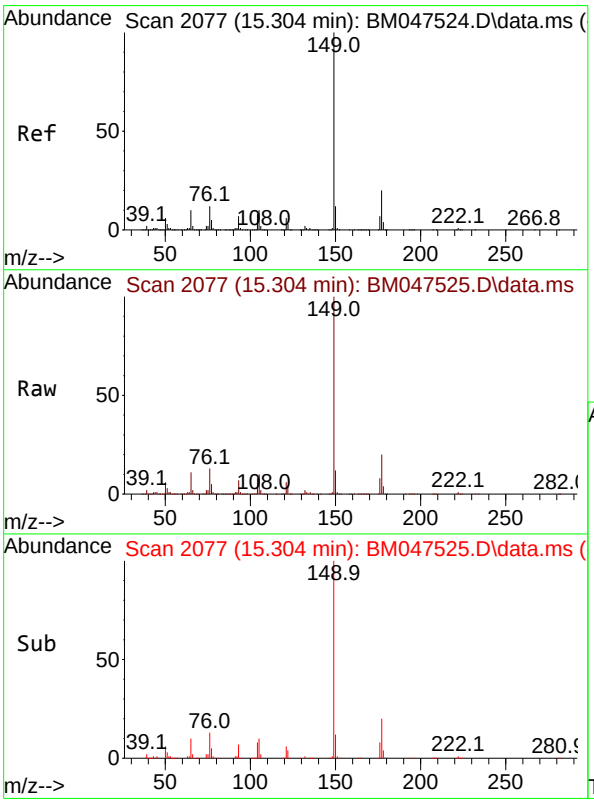
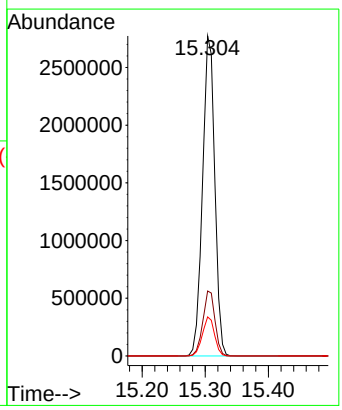
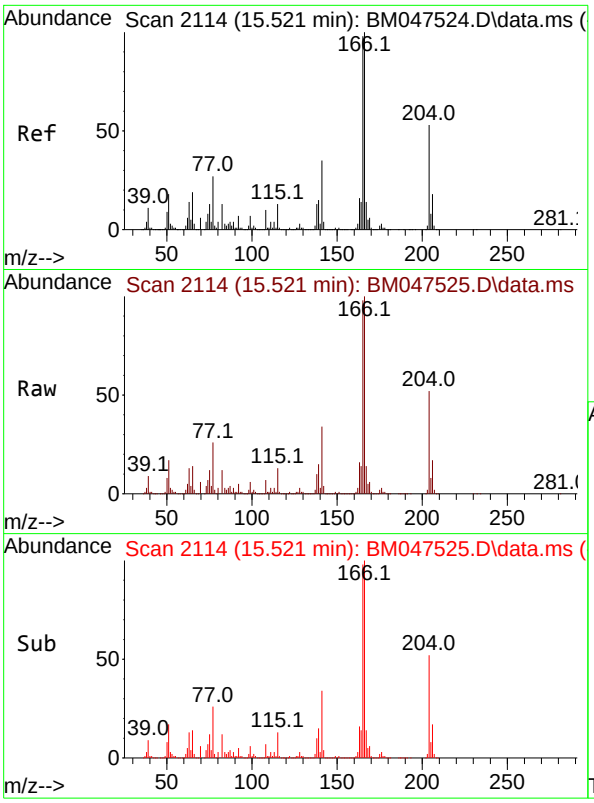



#60
Diethylphthalate
Concen: 50.766 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 3731359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.3 | 15.8 | 23.8 |
| 150 | 12.2 | 9.7 | 14.5 |

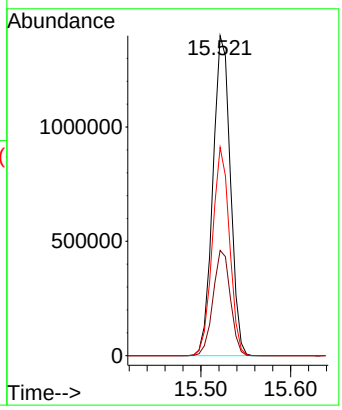





#61
4-Chlorophenyl-phenylether
Concen: 52.727 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:204 Resp: 188792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.5 | 39.7 |
| 141 | 65.1 | 52.1 | 78.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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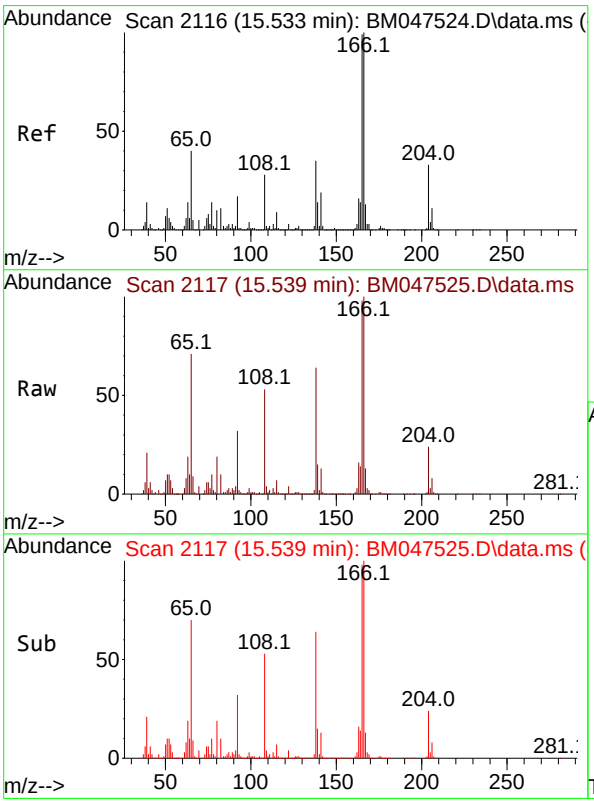
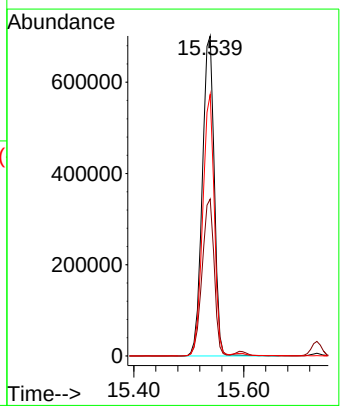
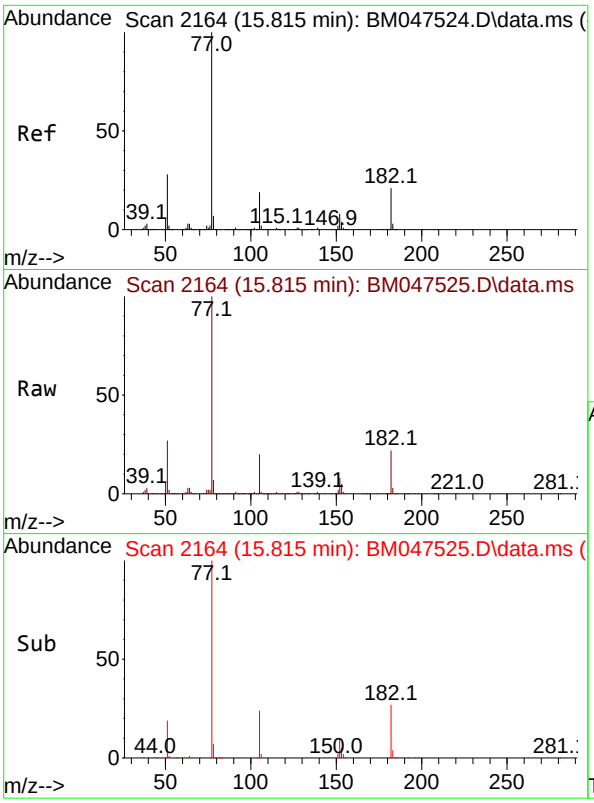



#62
4-Nitroaniline
Concen: 55.490 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:138 Resp: 1057003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.1 | 30.0 | 70.0 |
| 108 | 81.8 | 61.7 | 101.7 |

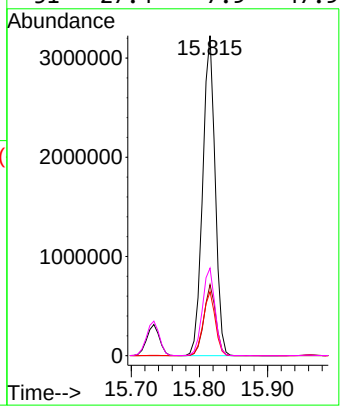





#63
Azobenzene
Concen: 50.661 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion: 77 Resp: 410010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.2 | 1.2 | 41.2 |
| 105 | 20.0 | 0.0 | 39.4 |
| 51 | 27.4 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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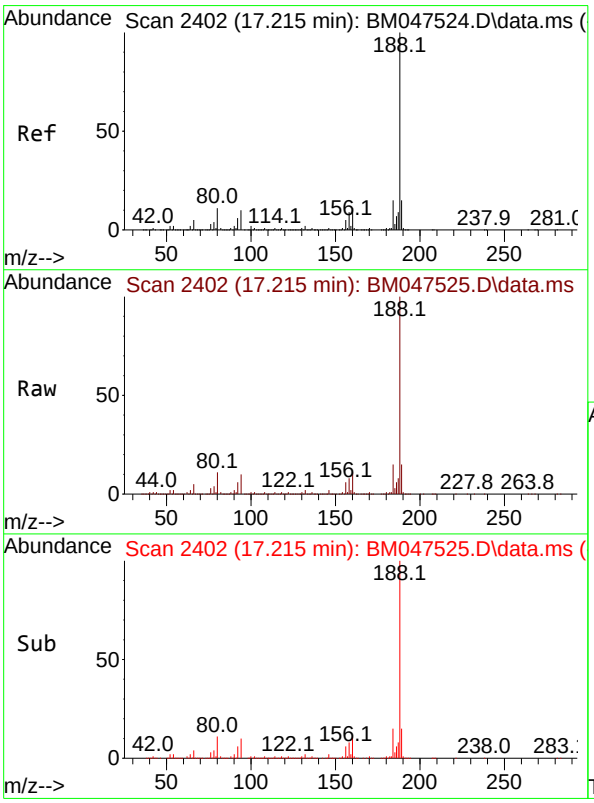
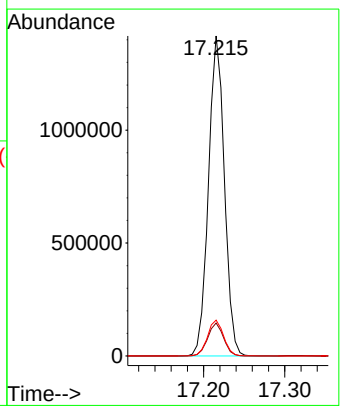
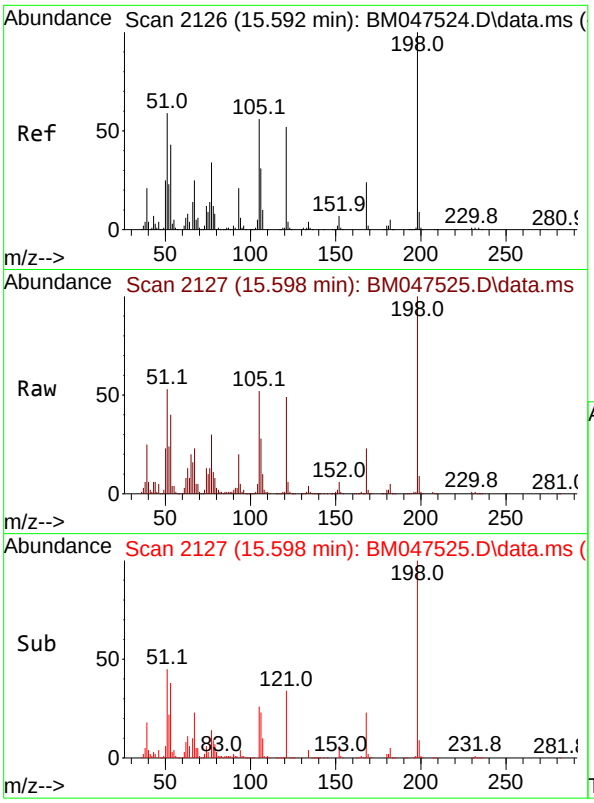



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:188 Resp: 1927087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.4 | 12.6 |
| 80 | 11.2 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 47.513 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:198 Resp: 46552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 52.7 | 41.5 | 81.5 |
| 105 | 52.5 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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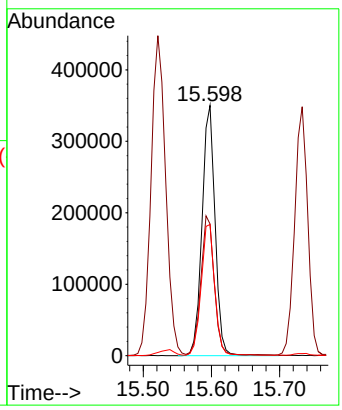
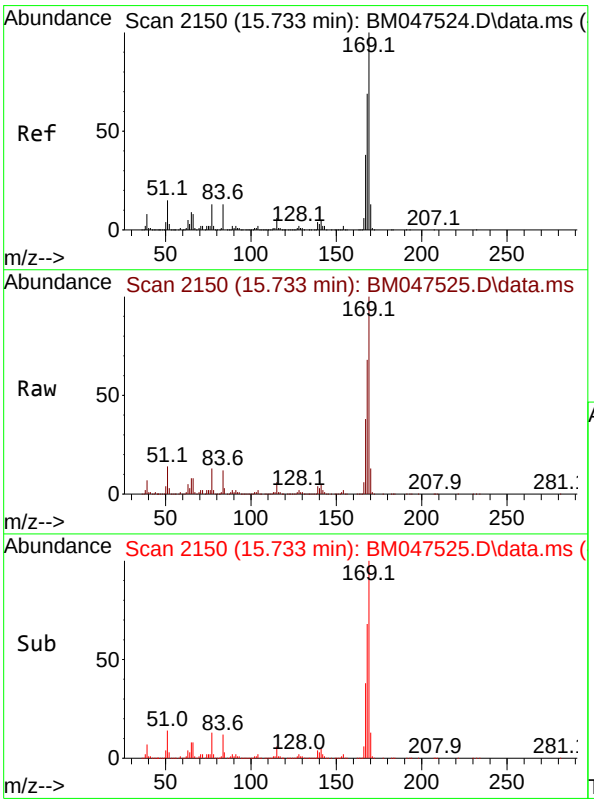
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

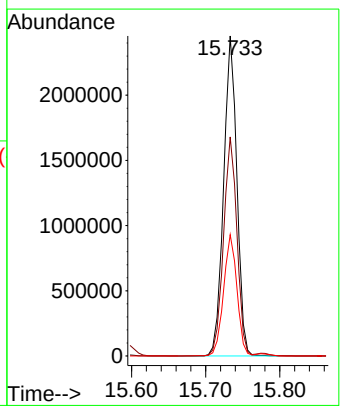


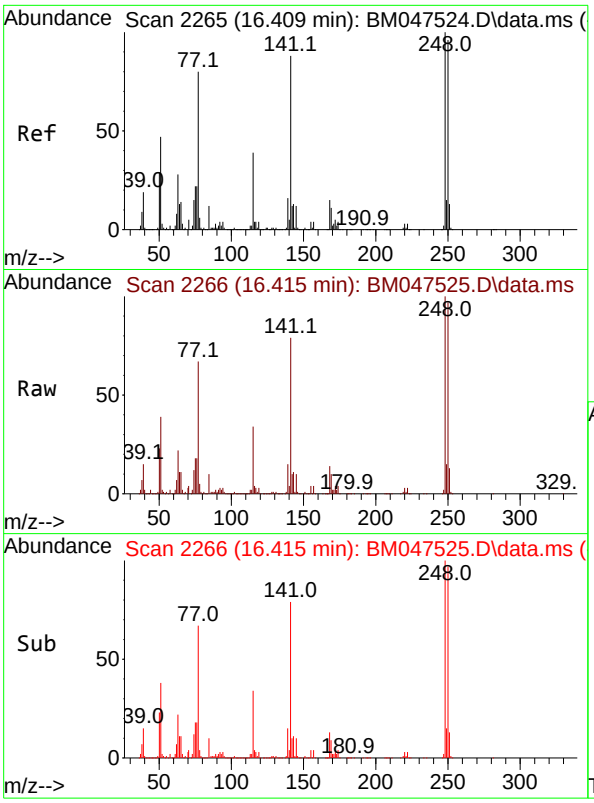




#66
n-Nitrosodiphenylamine
Concen: 51.751 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:169 Resp: 3050884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.4 | 55.3 | 82.9 |
| 167 | 37.9 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 51.803 ng
RT: 16.415 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:248 Resp: 97000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 76.9 | 115.3 |
| 141 | 78.7 | 70.8 | 106.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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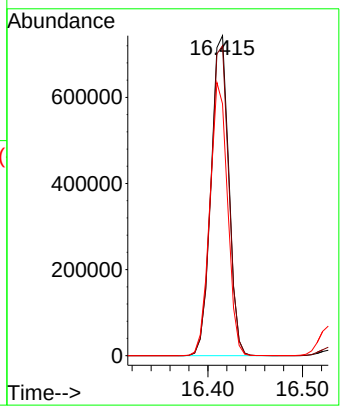
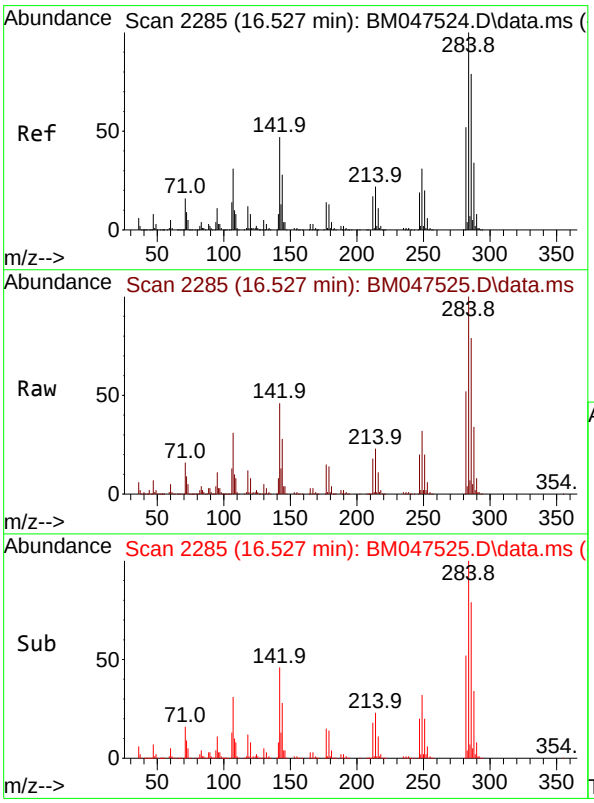
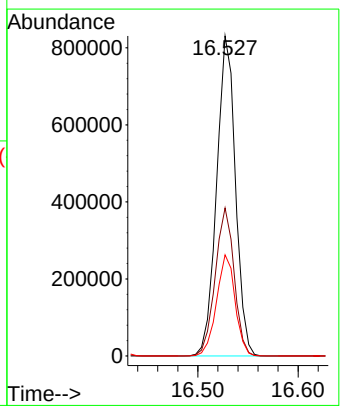


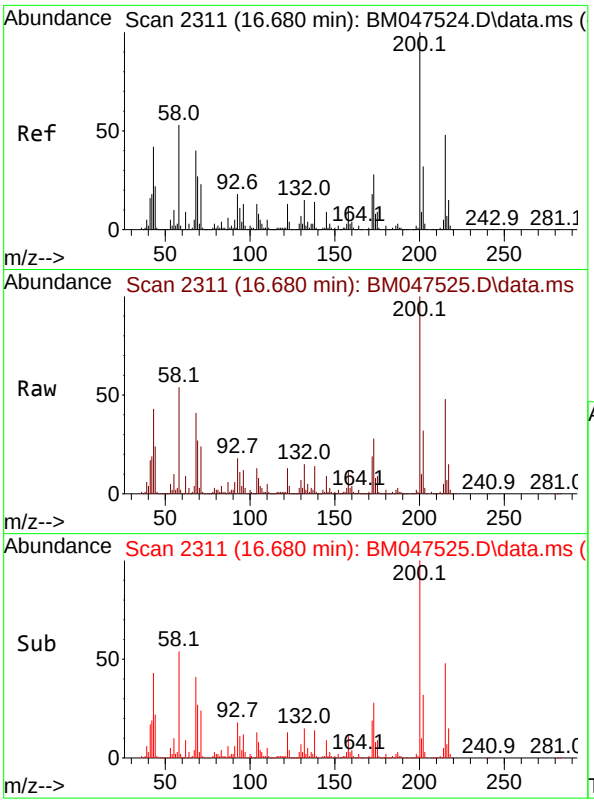




#68
Hexachlorobenzene
Concen: 50.942 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:284 Resp: 1080606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 46.2 | 37.3 | 55.9 |
| 249 | 31.6 | 24.5 | 36.7 |






#69
Atrazine
Concen: 51.534 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:200 Resp: 83970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.9 | 7.7 | 47.7 |
| 215 | 47.6 | 27.9 | 67.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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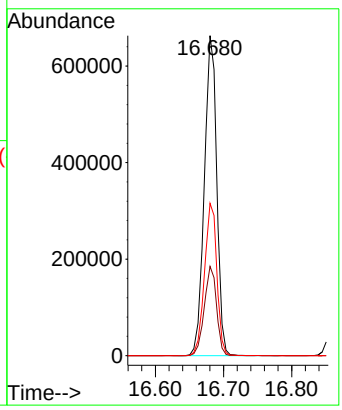
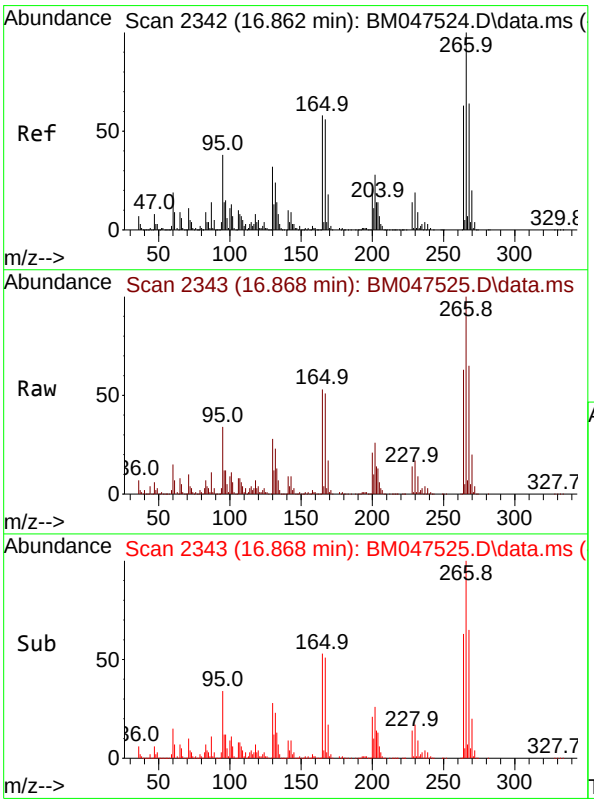
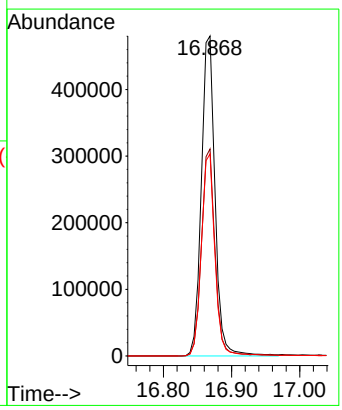


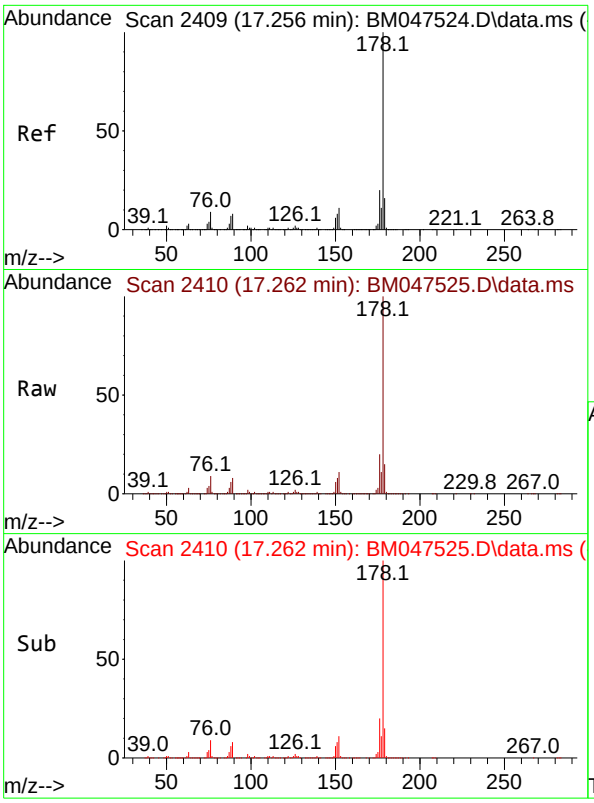




#70
Pentachlorophenol
Concen: 54.737 ng
RT: 16.868 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:266 Resp: 673070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 51.0 | 76.4 |
| 264 | 63.1 | 50.4 | 75.6 |

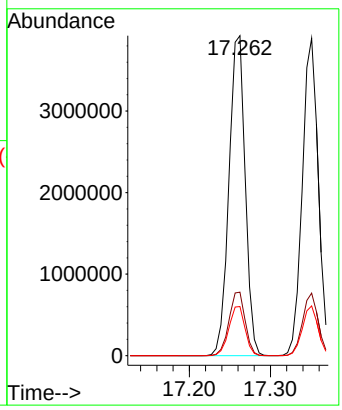





#71
Phenanthrene
Concen: 51.315 ng
RT: 17.262 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:178 Resp: 544967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.0 | 24.0 |
| 179 | 15.4 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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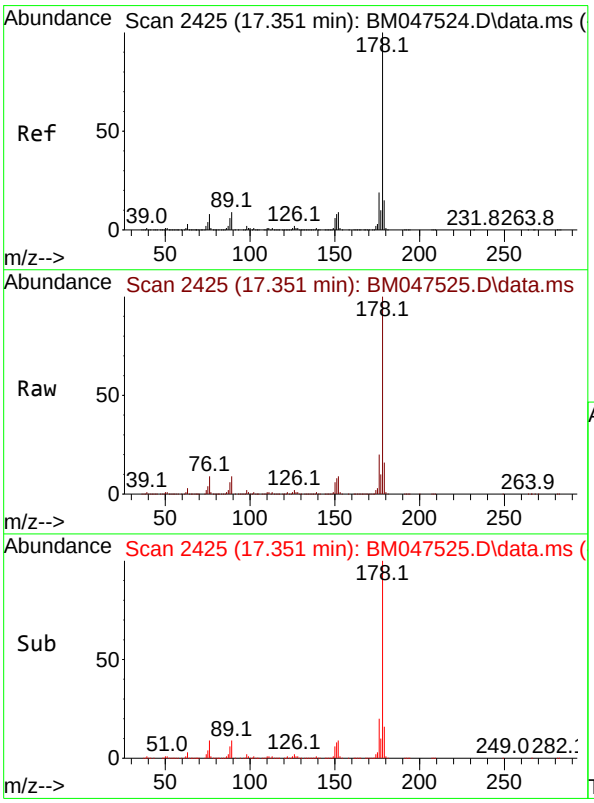
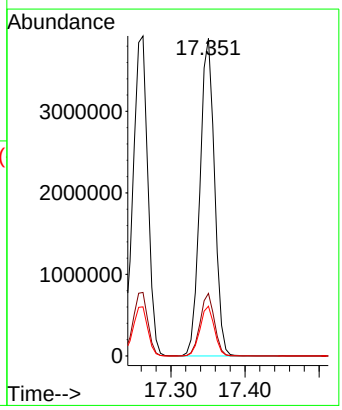
Supervised By :mohammad ahmed 09/17/2024

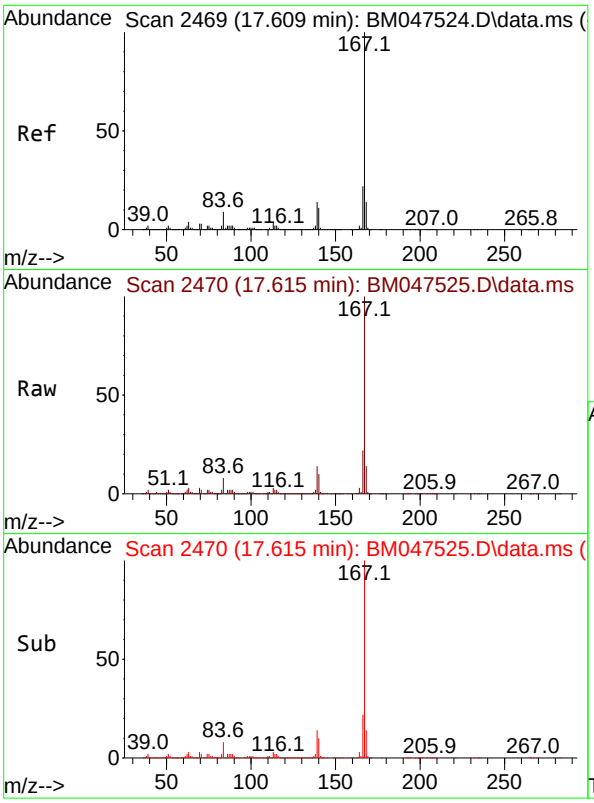



#72
Anthracene
Concen: 52.053 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:178 Resp: 5311241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.0 |
| 179 | 15.7 | 12.3 | 18.5 |

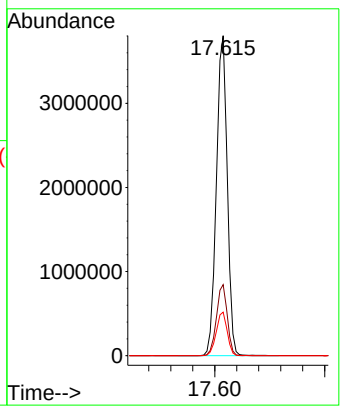





#73
Carbazole
Concen: 51.703 ng
RT: 17.615 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:167 Resp: 522811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.8 | 26.8 |
| 139 | 13.6 | 11.0 | 16.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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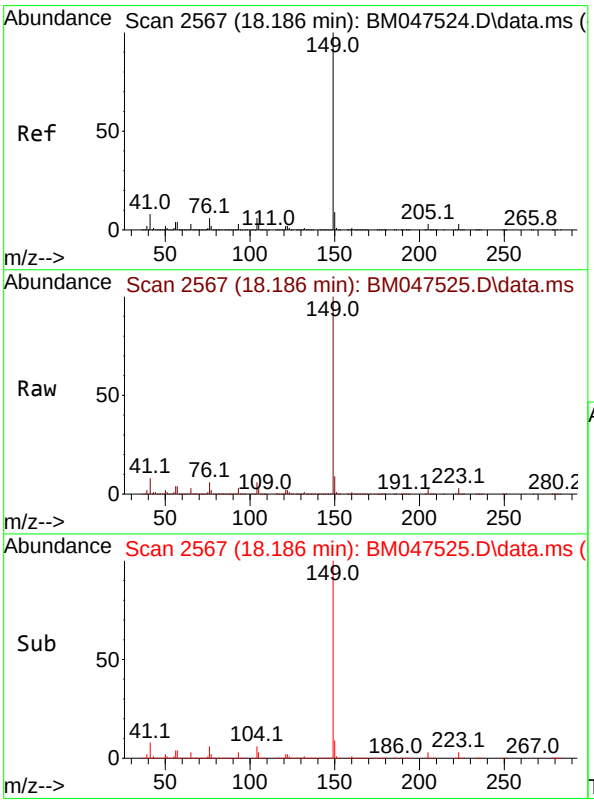
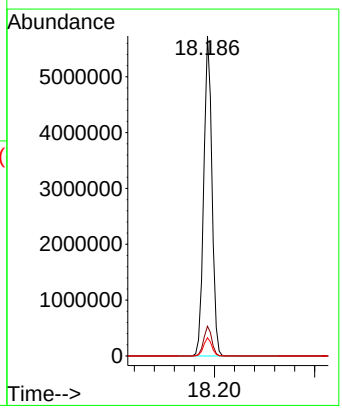
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

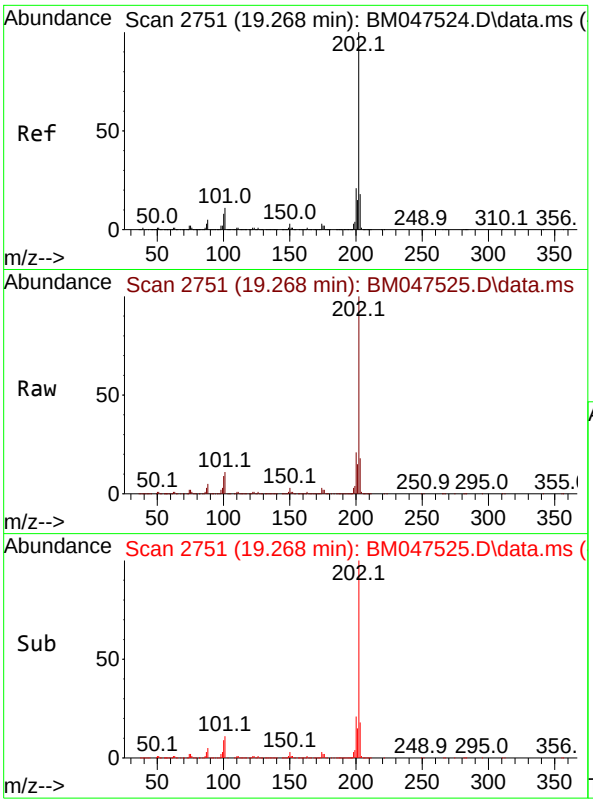



#74
Di-n-butylphthalate
Concen: 53.702 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 6497317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.7 | 4.6 | 6.8 |






#75
Fluoranthene
Concen: 53.071 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:202 Resp: 614949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 30.8 |
| 203 | 17.6 | 0.0 | 37.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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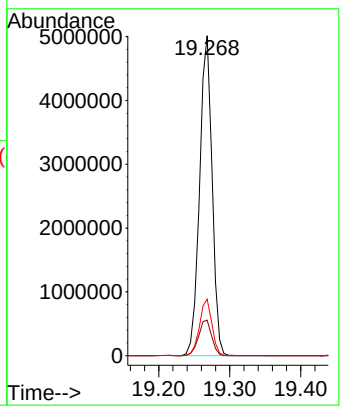
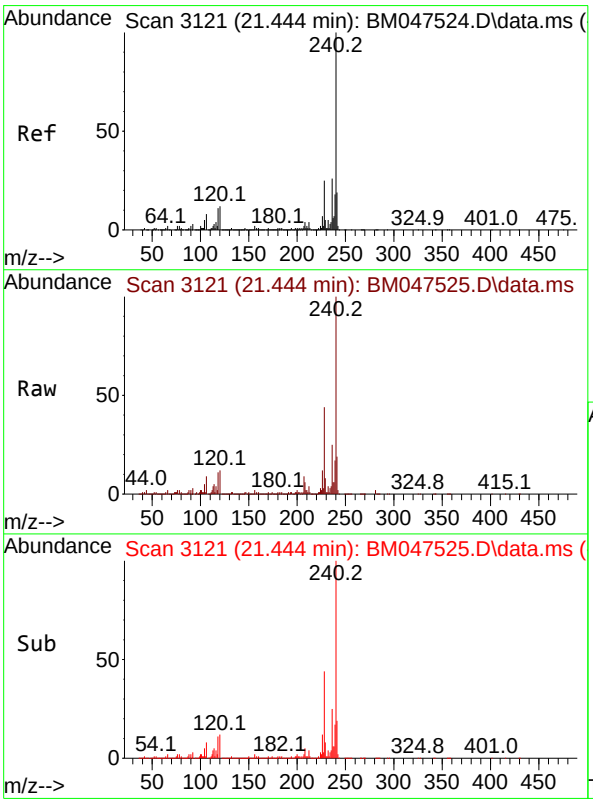
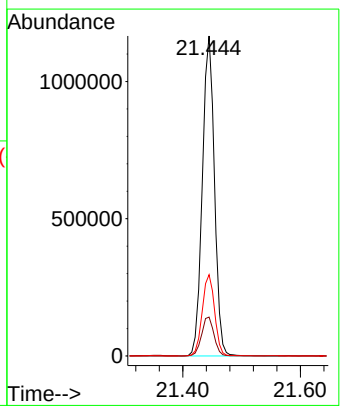


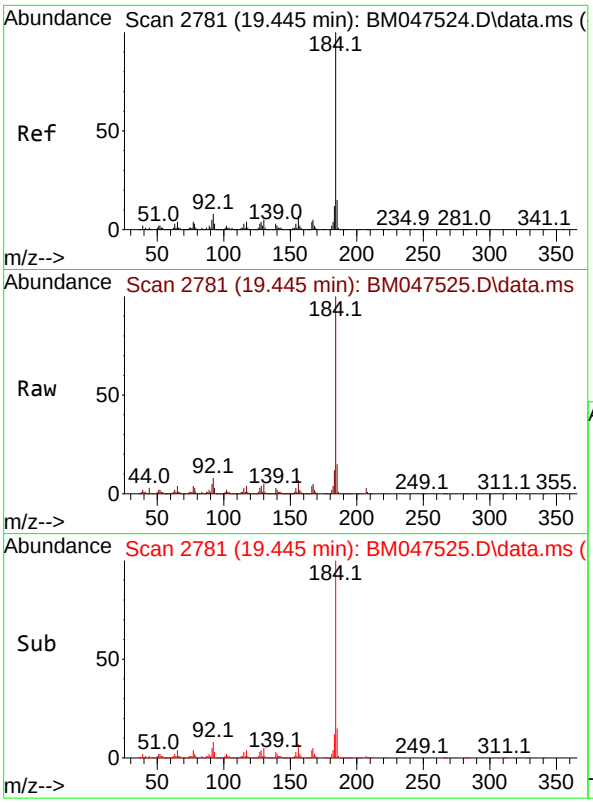




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:240 Resp: 1661575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.6 | 14.4 |
| 236 | 25.4 | 20.9 | 31.3 |

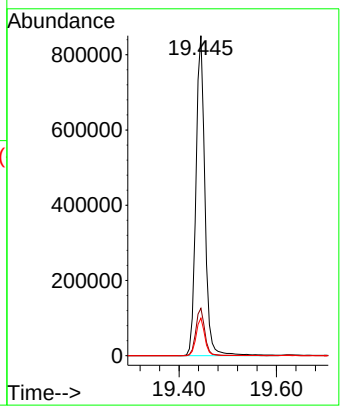





#77
Benzidine
Concen: 46.978 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:184 Resp: 109934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 12.2 | 18.2 |
| 183 | 11.8 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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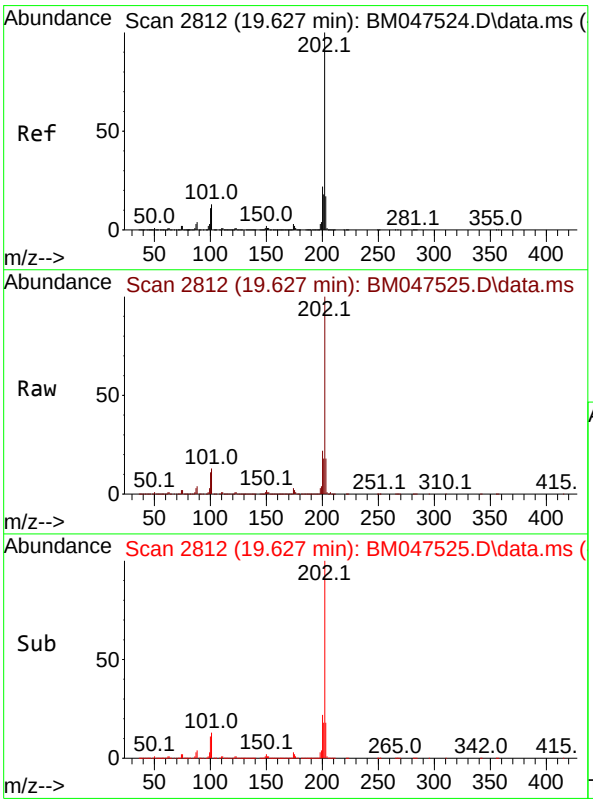
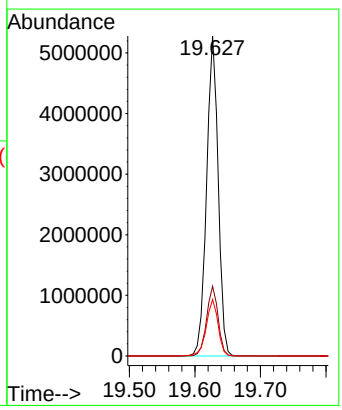
Supervised By :mohammad ahmed 09/17/2024

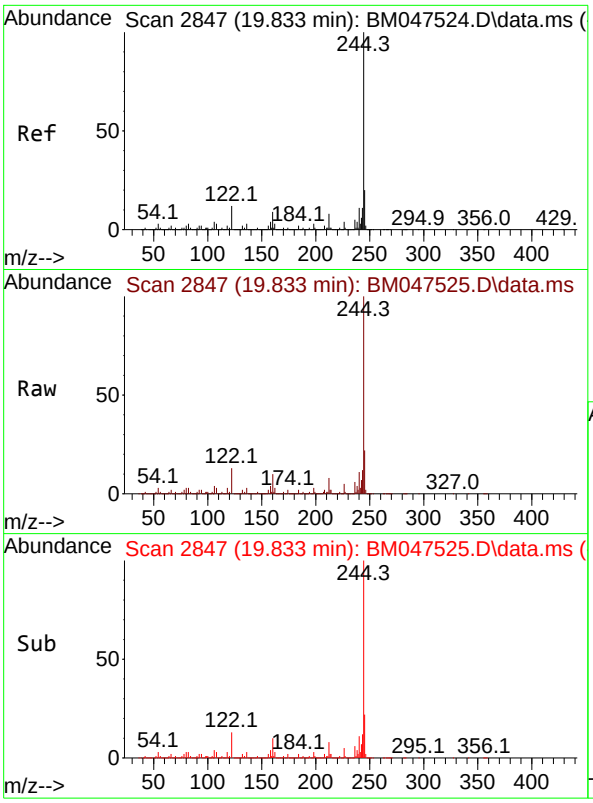



#78
Pyrene
Concen: 53.600 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:202 Resp: 6496279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.2 | 25.8 |
| 203 | 17.6 | 14.0 | 21.0 |

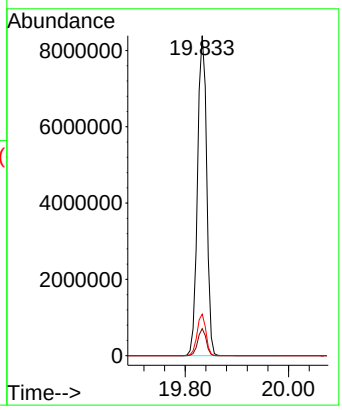





#79
Terphenyl-d14
Concen: 110.997 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:244 Resp:1029219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 6.2 | 9.2 |
| 122 | 13.0 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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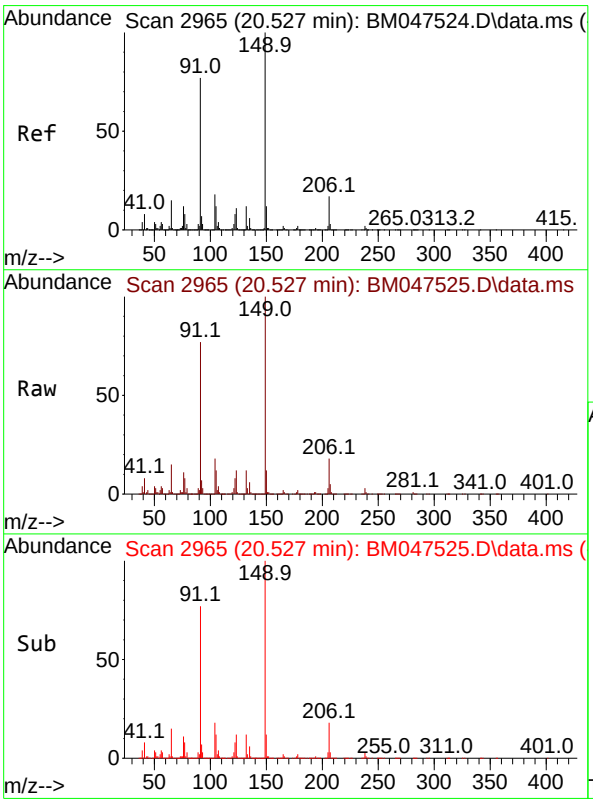
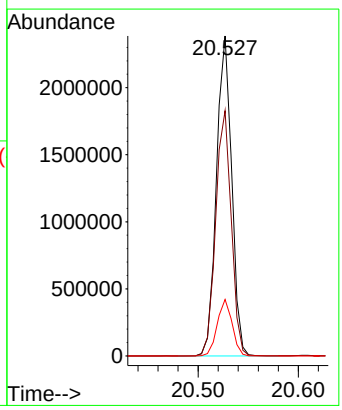
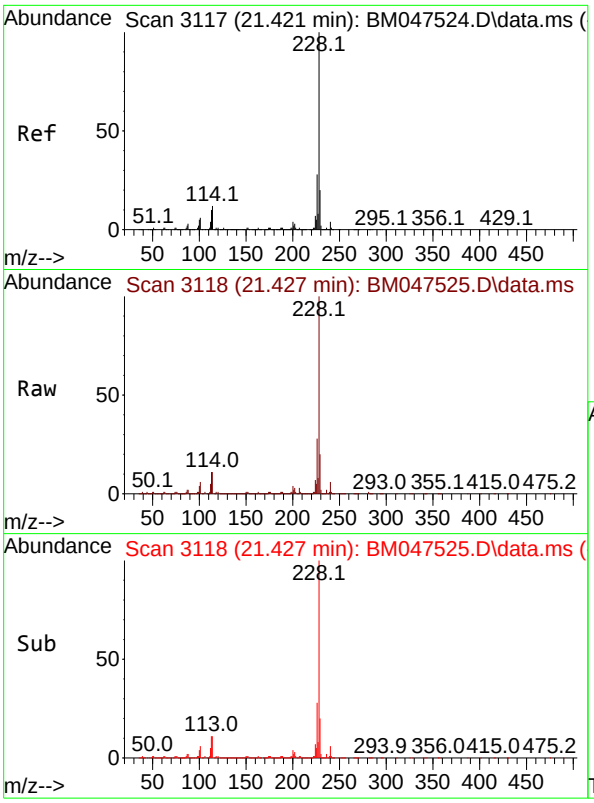



#80
Butylbenzylphthalate
Concen: 53.774 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 2508902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 76.6 | 62.0 | 93.0 |
| 206 | 17.7 | 13.8 | 20.8 |






#81
Benzo(a)anthracene
Concen: 50.819 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:228 Resp: 550376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 22.4 | 33.6 |
| 229 | 19.7 | 16.0 | 24.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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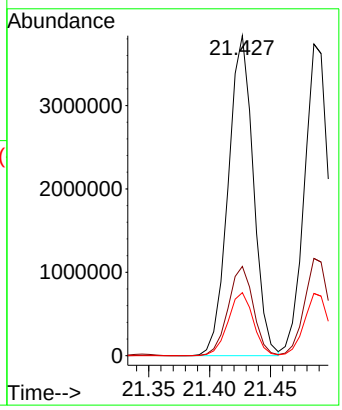
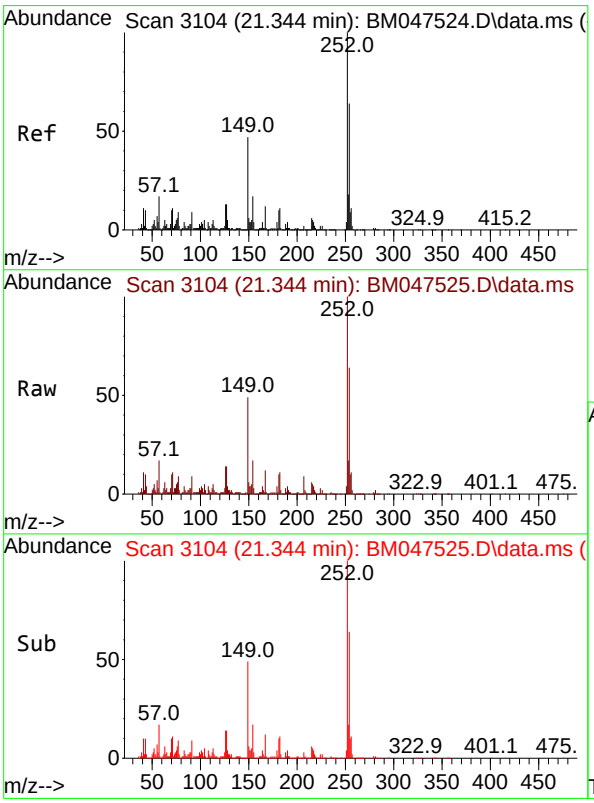
Supervised By :mohammad ahmed 09/17/2024

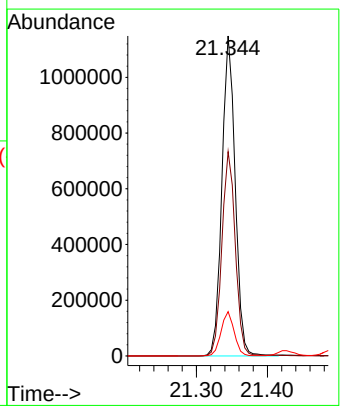


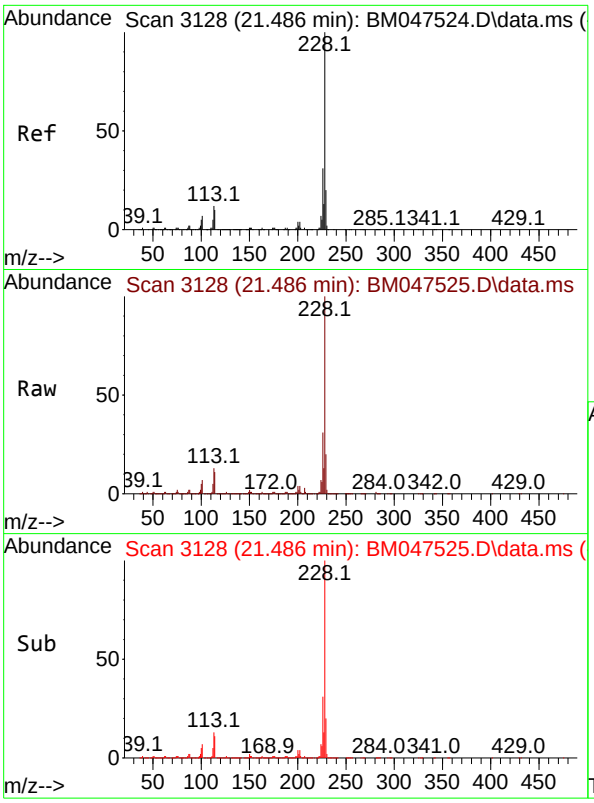




#82
3,3'-Dichlorobenzidine
Concen: 51.333 ng
RT: 21.344 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 1478863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 51.5 | 77.3 |
| 126 | 13.9 | 10.3 | 15.5 |

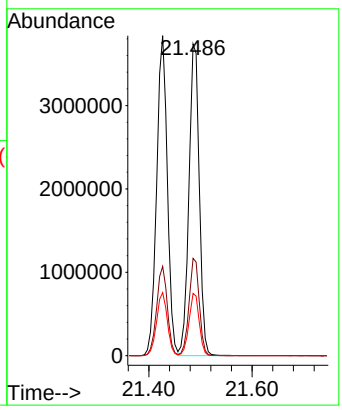





#83
Chrysene
Concen: 50.689 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:228 Resp: 519253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 25.0 | 37.6 |
| 229 | 19.9 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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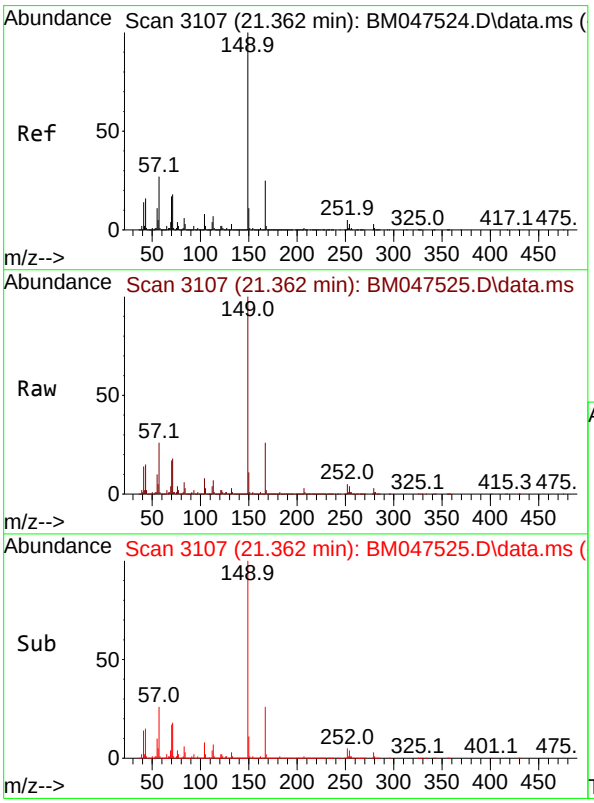
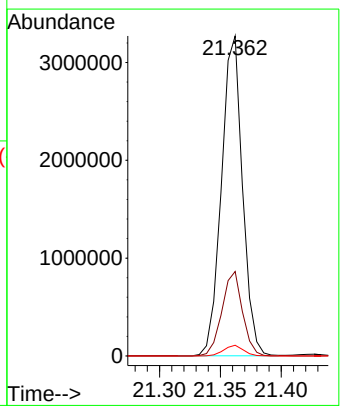
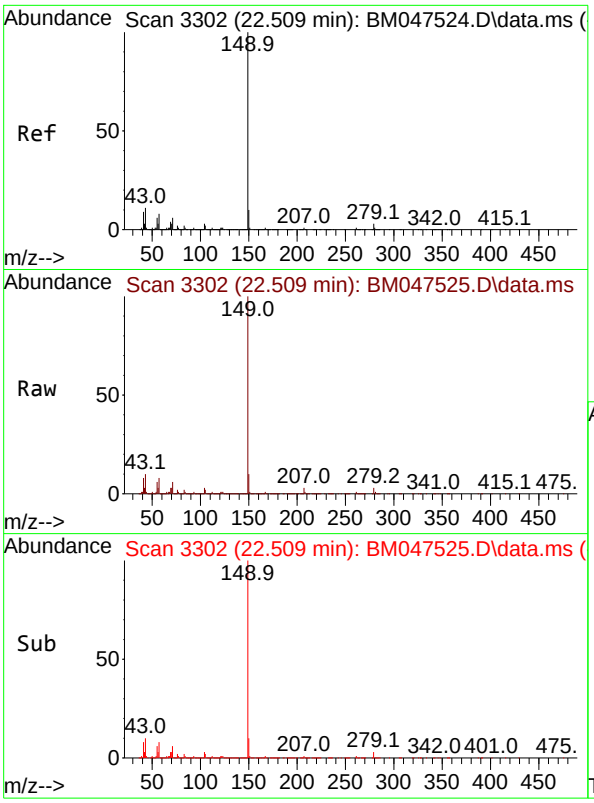



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.839 ng
RT: 21.362 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 3935057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 20.2 | 30.4 |
| 279 | 3.3 | 2.6 | 4.0 |

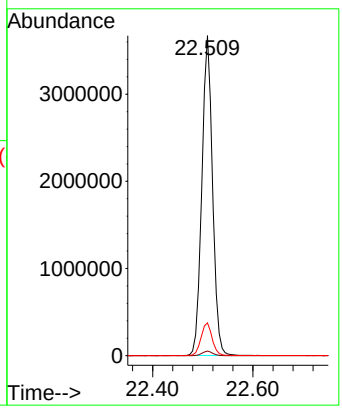





#85
Di-n-octyl phthalate
Concen: 52.601 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:149 Resp: 543806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 10.6 | 8.9 | 13.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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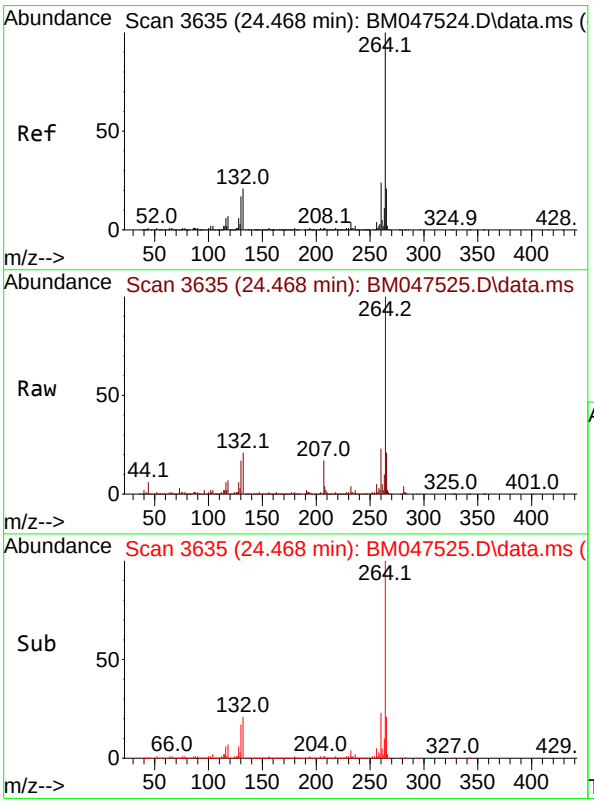
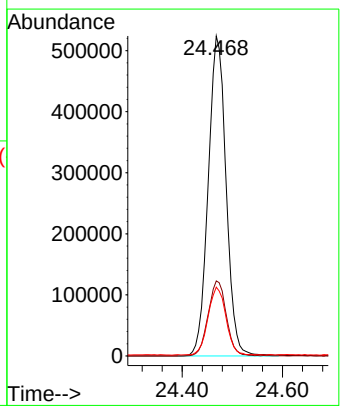
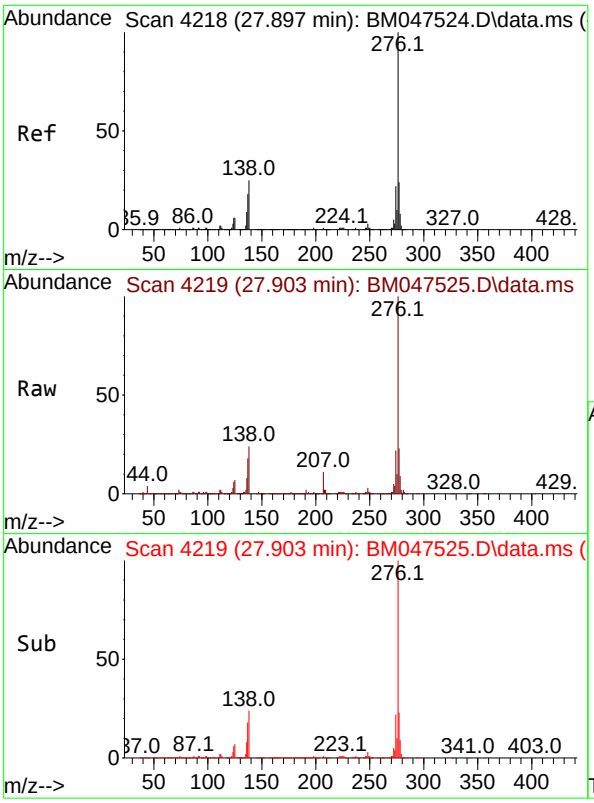



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:264 Resp: 1297327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.9 | 28.3 |
| 265 | 21.5 | 17.4 | 26.2 |

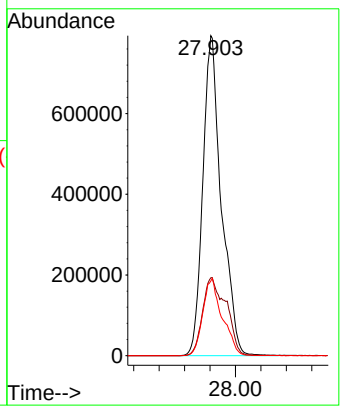





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.731 ng
RT: 27.903 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:276 Resp: 401629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.0 | 25.0 | 37.6 |
| 277 | 25.3 | 20.1 | 30.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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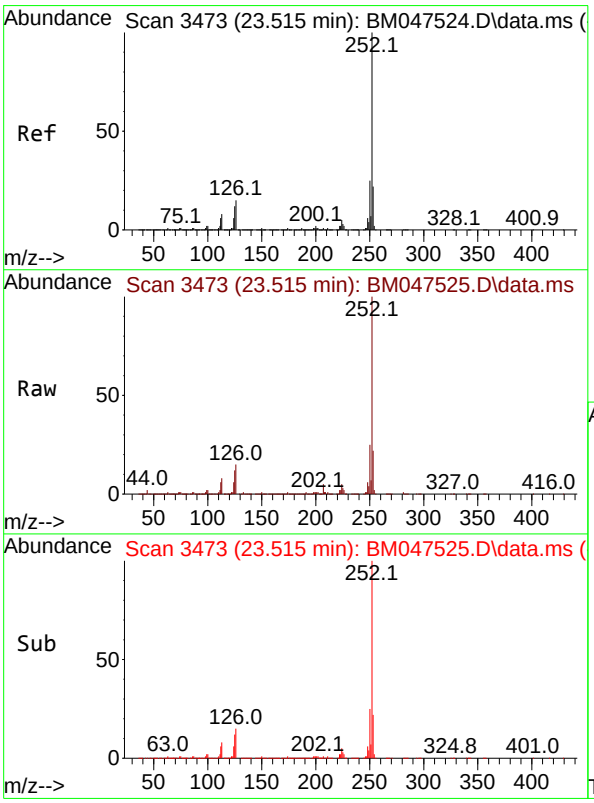
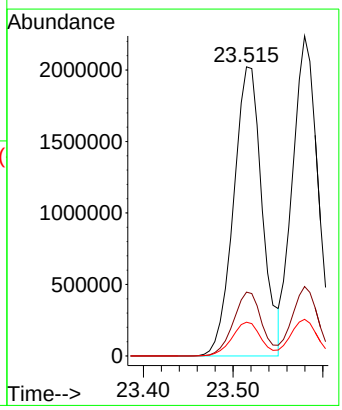
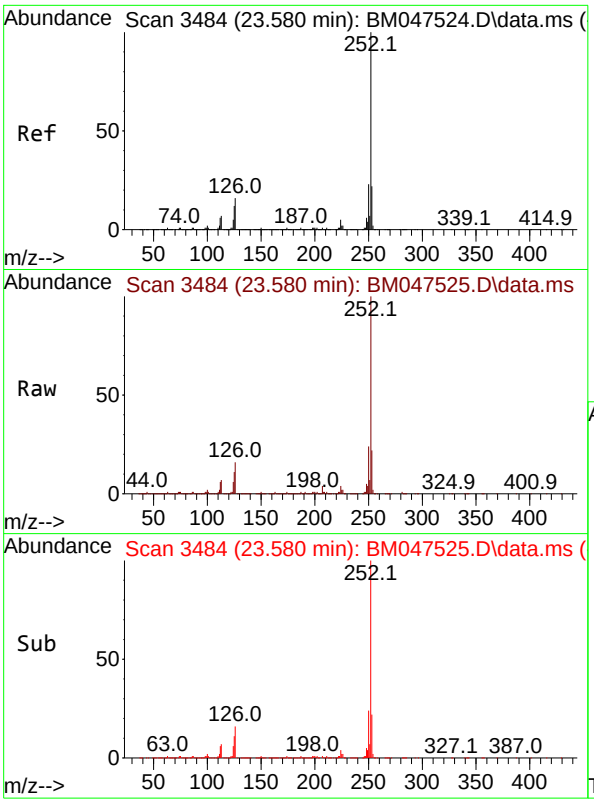



#88
Benzo(b)fluoranthene
Concen: 53.347 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 4477877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.8 |
| 125 | 11.7 | 9.5 | 14.3 |

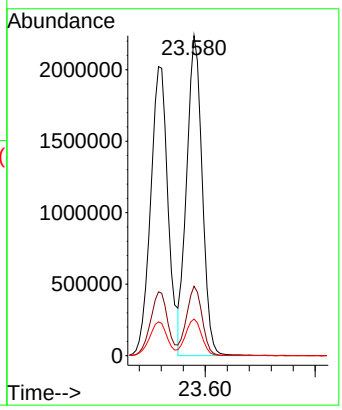





#89
Benzo(k)fluoranthene
Concen: 52.652 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 438010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 11.5 | 9.5 | 14.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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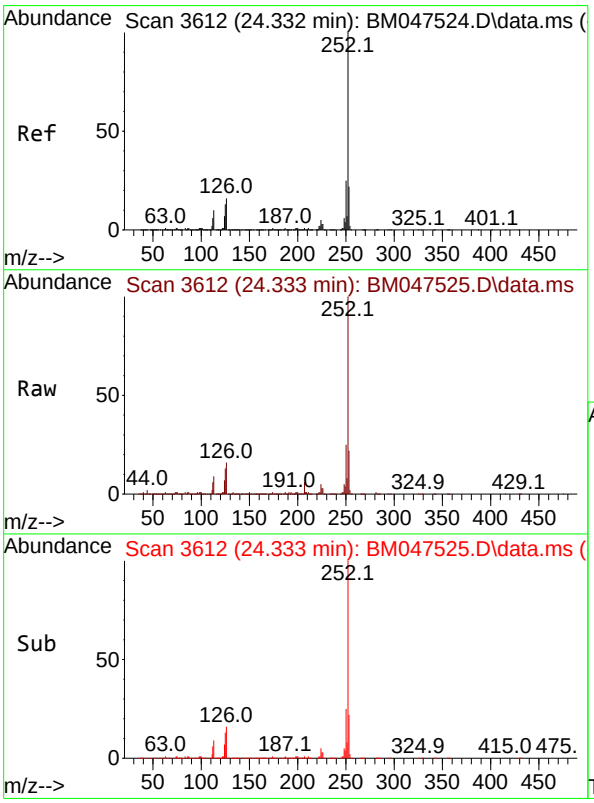
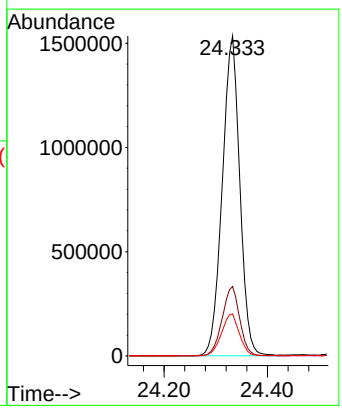
Supervised By :mohammad ahmed 09/17/2024

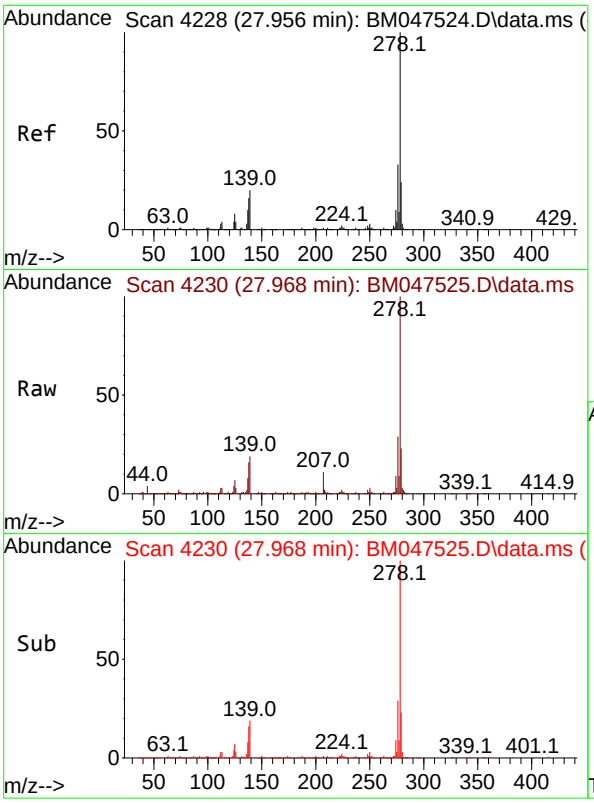



#90
Benzo(a)pyrene
Concen: 52.521 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:252 Resp: 3613289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 13.2 | 10.2 | 15.4 |

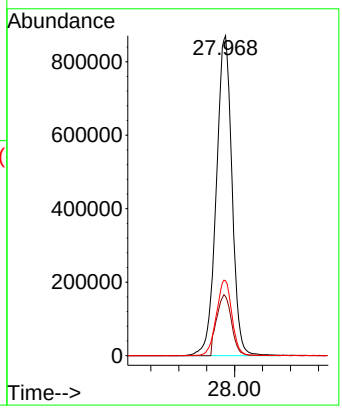





#91
Dibenzo(a,h)anthracene
Concen: 51.962 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:278 Resp: 339418

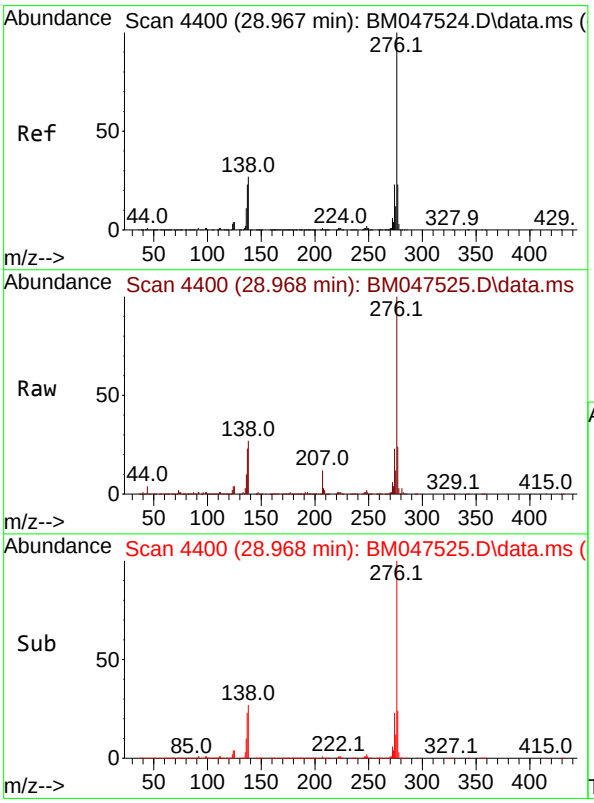
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.5 | 15.9 | 23.9 |
| 279 | 23.4 | 19.3 | 28.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

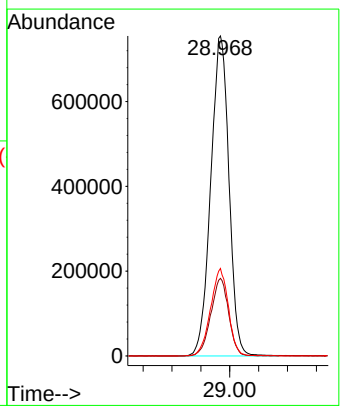
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




#92
Benzo(g,h,i)perylene
Concen: 51.757 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047525.D
Acq: 14 Sep 2024 15:14

Tgt Ion:276 Resp: 3302500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.3 | 18.6 | 28.0 |
| 138 | 27.3 | 21.5 | 32.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.852 | 152 | 401641 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.651 | 136 | 1736528 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.481 | 164 | 989132 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1777314 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.445 | 240 | 1418749 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.474 | 264 | 1211205 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 3208031 | 127.175 | ng | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 4579779 | 128.919 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.010 | 82 | 4344782 | 125.215 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.963 | 330 | 1293238 | 135.264 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.110 | 172 | 9542327 | 132.892 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 10741844 | 135.674 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 633133 | 58.600 | ng | 99 |
| 3) Pyridine | 3.717 | 79 | 1940108m | 60.341 | ng | |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 886792 | 60.773 | ng | 98 |
| 6) Aniline | 7.181 | 93 | 1934266 | 61.416 | ng | 99 |
| 8) 2-Chlorophenol | 7.416 | 128 | 1742448 | 62.660 | ng | 98 |
| 9) Benzaldehyde | 6.987 | 77 | 888135 | 52.578 | ng | 99 |
| 10) Phenol | 7.040 | 94 | 2252760 | 63.333 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.275 | 93 | 1730259 | 60.591 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 1854079 | 60.914 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 1892143 | 61.033 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 1877483 | 61.537 | ng | 100 |
| 15) Benzyl Alcohol | 8.087 | 79 | 1531455 | 63.643 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 2358074 | 58.702 | ng | 99 |
| 17) 2-Methylphenol | 8.287 | 107 | 1429553 | 62.911 | ng | 99 |
| 18) Hexachloroethane | 8.940 | 117 | 749536 | 60.522 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 1491219 | 62.260 | ng | 98 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 1991121 | 62.798 | ng | 98 |
| 22) Acetophenone | 8.675 | 105 | 2855264 | 62.541 | ng | 98 |
| 24) Nitrobenzene | 9.052 | 77 | 2188384 | 61.376 | ng | 99 |
| 25) Isophorone | 9.581 | 82 | 3772893 | 61.849 | ng | 98 |
| 26) 2-Nitrophenol | 9.757 | 139 | 845610 | 69.598 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.822 | 122 | 1154756 | 62.697 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93 | 2330222 | 60.814 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.293 | 162 | 1521433 | 65.020 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 1688520 | 62.996 | ng | 99 |
| 31) Naphthalene | 10.698 | 128 | 5843030 | 62.302 | ng | 99 |
| 32) Benzoic acid | 9.981 | 122 | 1116767 | 59.624 | ng | 99 |
| 33) 4-Chloroaniline | 10.804 | 127 | 2085649 | 61.507 | ng | 99 |
| 34) Hexachlorobutadiene | 10.993 | 225 | 929673 | 62.620 | ng | 99 |
| 35) Caprolactam | 11.593 | 113 | 487846 | 63.293 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 11.928 | 107 | 1715963 | 63.989 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.310 | 142 | 3965561 | 63.530 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.528 | 142 | 3930943 | 63.370 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.675 | 216 | 1753724 | 65.522 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 575739 | 65.800 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 1127861 | 67.261 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.981 | 196 | 1247714 | 65.878 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.322 | 154 | 4962549 | 64.482 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 3830459 | 64.100 | ng | | 100 |
| 48) 2-Nitroaniline | 13.551 | 65 | 1160615 | 66.125 | ng | | 99 |
| 49) Acenaphthylene | 14.204 | 152 | 5553573 | 64.401 | ng | | 99 |
| 50) Dimethylphthalate | 13.945 | 163 | 4162540 | 61.743 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.051 | 165 | 913672 | 64.198 | ng | | 99 |
| 52) Acenaphthene | 14.545 | 154 | 3922692 | 64.922 | ng | | 99 |
| 53) 3-Nitroaniline | 14.381 | 138 | 1021704 | 64.587 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.581 | 184 | 423951 | 59.540 | ng | | 93 |
| 55) Dibenzofuran | 14.881 | 168 | 5363983 | 63.175 | ng | | 100 |
| 56) 4-Nitrophenol | 14.681 | 139 | 847413 | 65.100 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.833 | 165 | 1224626 | 64.518 | ng | | 99 |
| 58) Fluorene | 15.528 | 166 | 4952783 | 64.791 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 954981 | 64.671 | ng | | 98 |
| 60) Diethylphthalate | 15.310 | 149 | 4407420 | 61.427 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204 | 2280190 | 65.236 | ng | | 99 |
| 62) 4-Nitroaniline | 15.539 | 138 | 1209326 | 65.036 | ng | | 99 |
| 63) Azobenzene | 15.816 | 77 | 4771374 | 60.394 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 563860 | 60.152 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 3612114 | 66.434 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.416 | 248 | 1164484 | 67.430 | ng | | 94 |
| 68) Hexachlorobenzene | 16.527 | 284 | 1298214 | 66.357 | ng | | 98 |
| 69) Atrazine | 16.680 | 200 | 954543 | 63.518 | ng | | 99 |
| 70) Pentachlorophenol | 16.869 | 266 | 800527 | 70.588 | ng | | 100 |
| 71) Phenanthrene | 17.257 | 178 | 6381802 | 65.155 | ng | | 100 |
| 72) Anthracene | 17.351 | 178 | 6231891 | 66.223 | ng | | 100 |
| 73) Carbazole | 17.616 | 167 | 6004968 | 64.390 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 7206516 | 64.583 | ng | | 100 |
| 75) Fluoranthene | 19.268 | 202 | 6841477 | 64.019 | ng | | 100 |
| 77) Benzidine | 19.445 | 184 | 1004196 | 50.257 | ng | | 98 |
| 78) Pyrene | 19.627 | 202 | 7114617 | 68.749 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 2667582 | 66.961 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.427 | 228 | 5849988 | 63.261 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.345 | 252 | 1531051 | 62.240 | ng | | 99 |
| 83) Chrysene | 21.486 | 228 | 5501560 | 62.898 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.357 | 149 | 4125584 | 66.107 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.509 | 149 | 5924302 | 67.112 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.909 | 276 | 5148546 | 71.030 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.515 | 252 | 5112237 | 65.235 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.580 | 252 | 5026241 | 64.715 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.333 | 252 | 4276255 | 66.577 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.968 | 278 | 4352464 | 71.370 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.974 | 276 | 4255468 | 71.434 | ng | | 98 |

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

ICAL Form

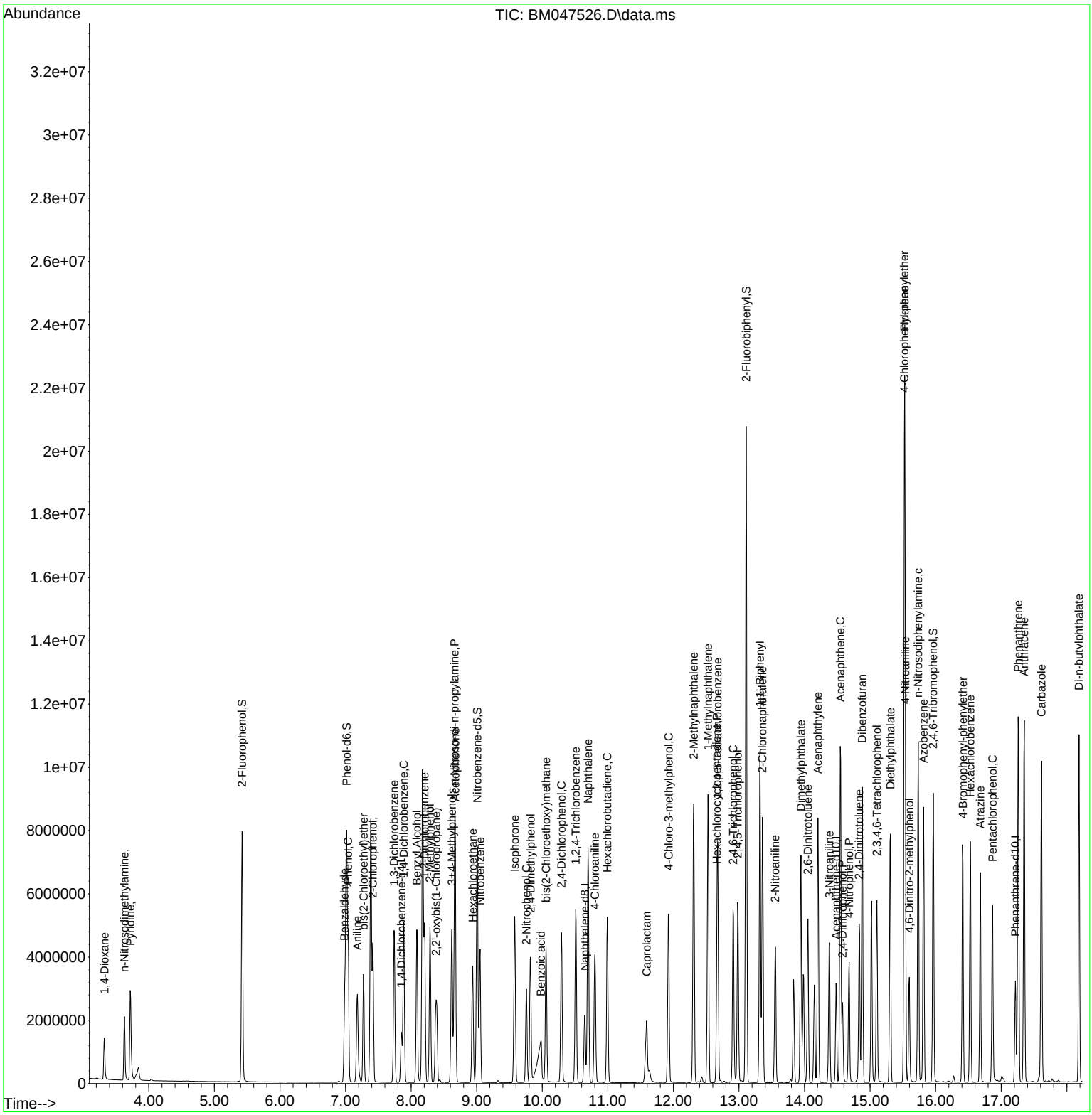
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

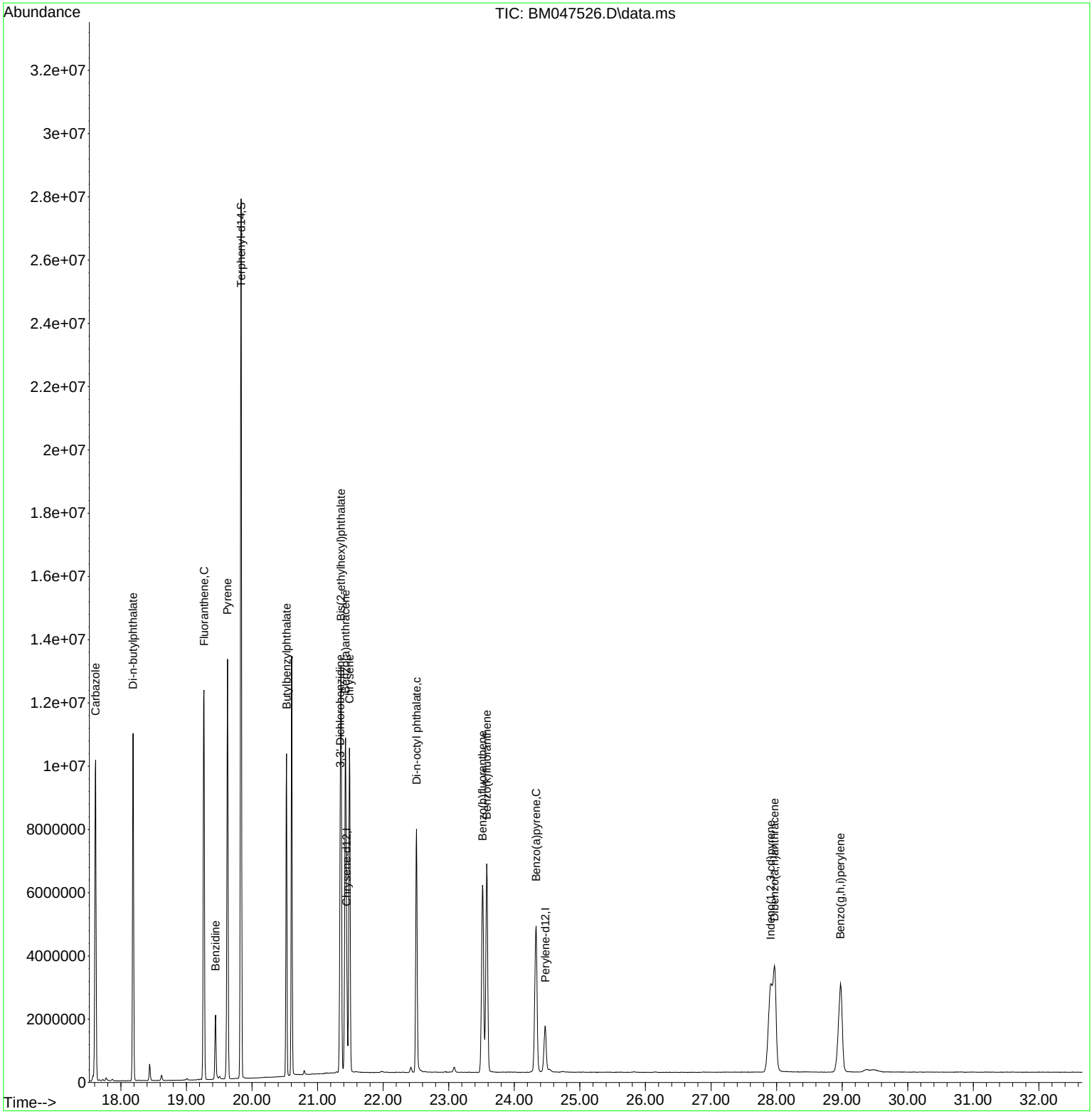
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047526.D
Acq On : 14 Sep 2024 15:54
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

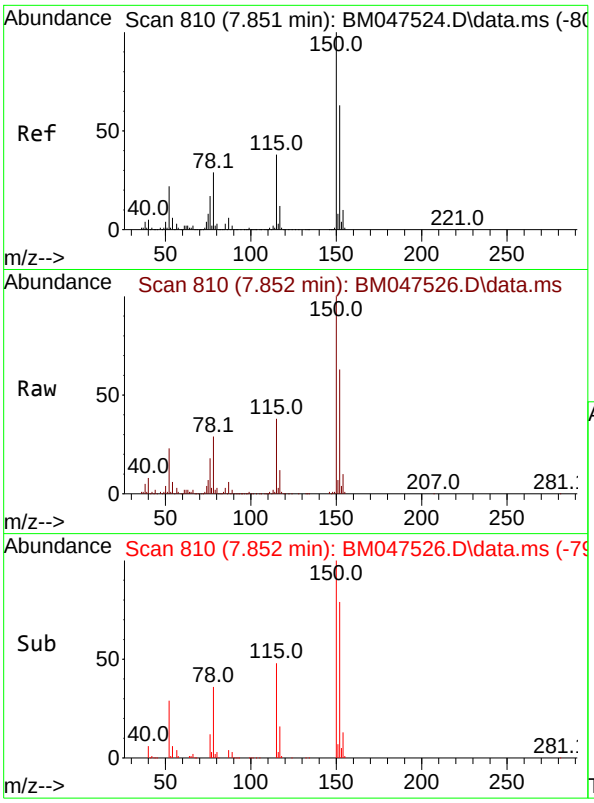
Quant Time: Sep 15 08:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

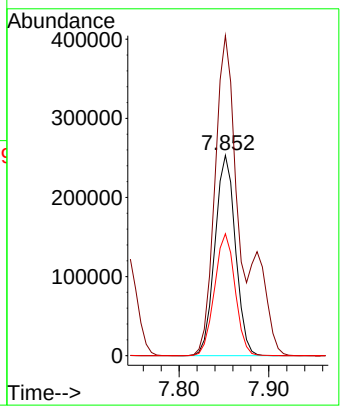





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:152 Resp: 40164

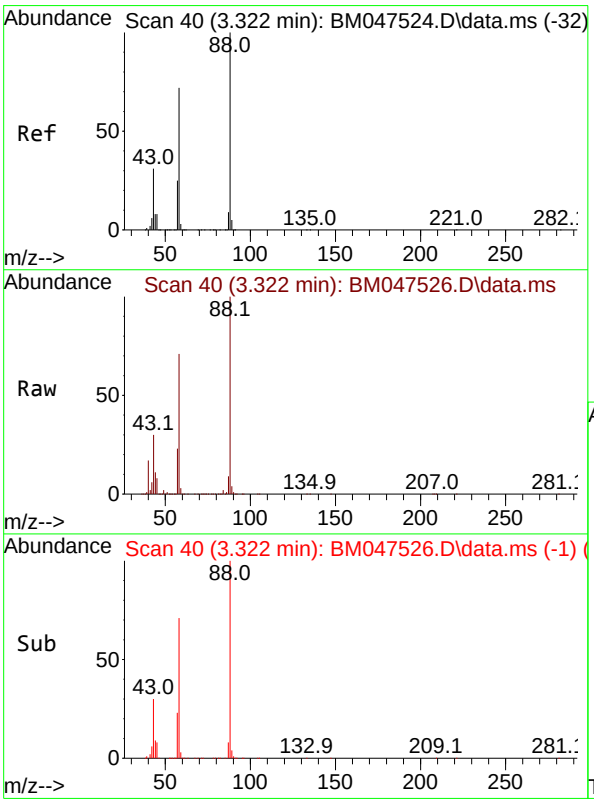
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.7 | 126.8 | 190.2 |
| 115 | 60.8 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

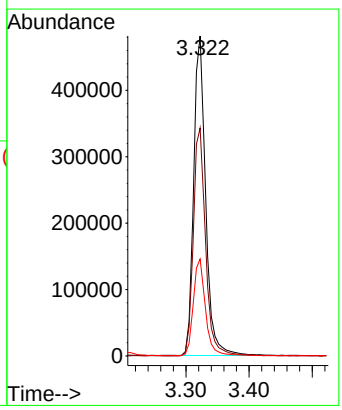
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

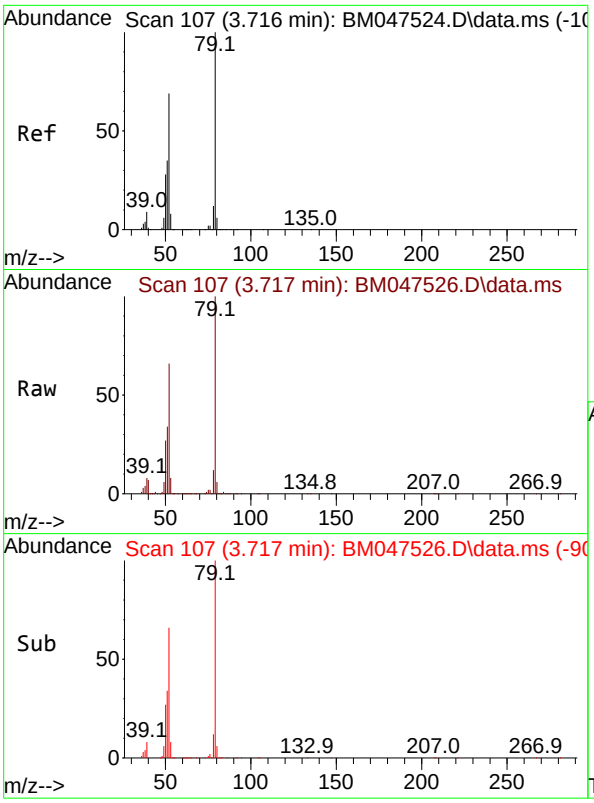



#2
1,4-Dioxane
Concen: 58.600 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 88 Resp: 633133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.4 | 59.0 | 88.6 |
| 43 | 30.7 | 25.0 | 37.4 |

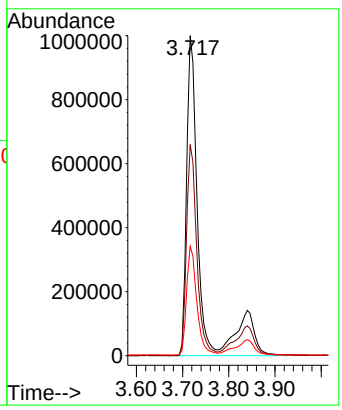





#3
Pyridine
Concen: 60.341 ng m
RT: 3.717 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 79 Resp: 194010

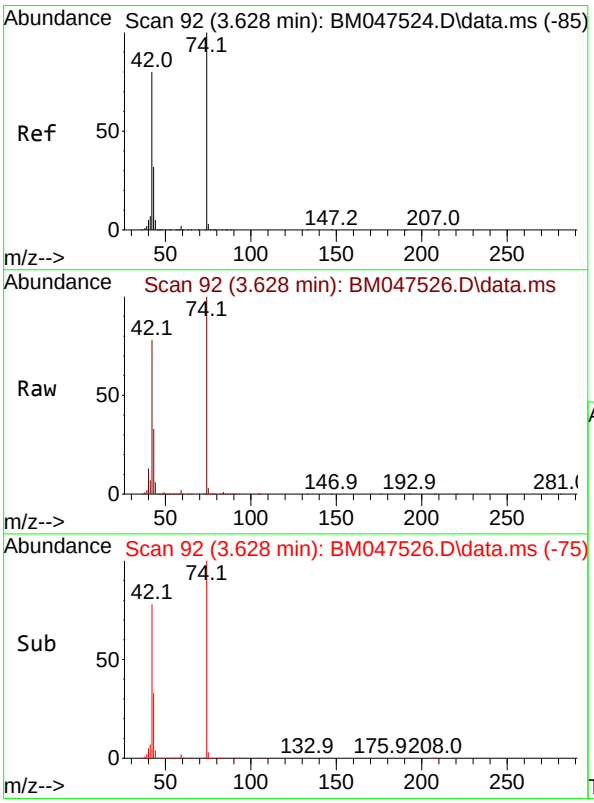
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.0 | 55.4 | 83.0 |
| 51 | 34.2 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

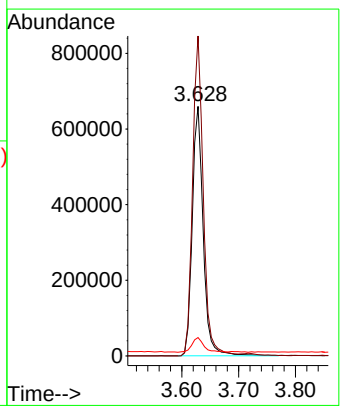
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

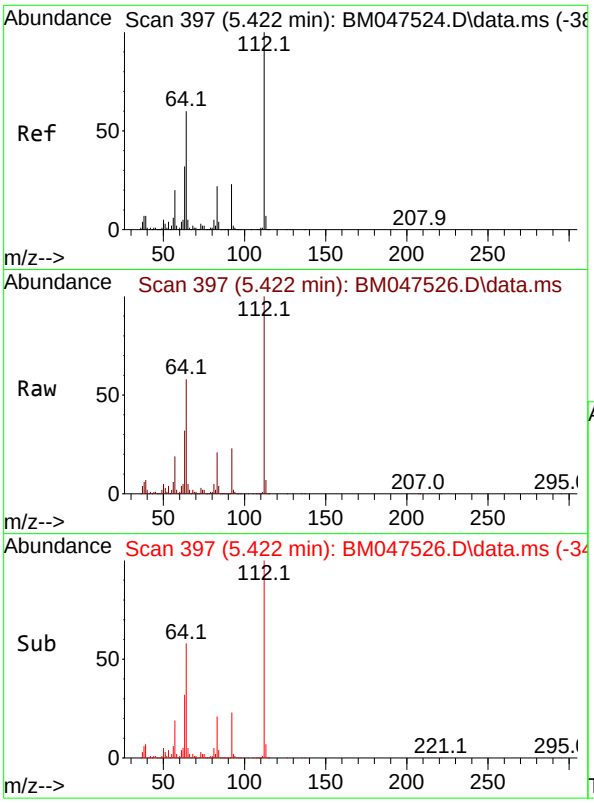



#4
n-Nitrosodimethylamine
Concen: 60.773 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 42 Resp: 886792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 128.2 | 100.5 | 150.7 |
| 44 | 7.4 | 6.9 | 10.3 |

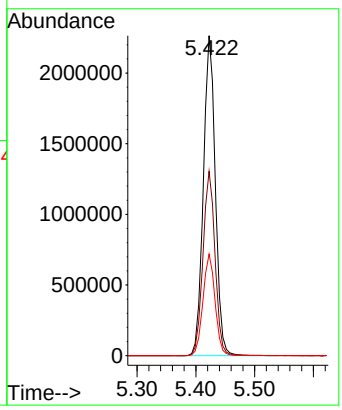





#5
2-Fluorophenol
Concen: 127.175 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:112 Resp: 320803

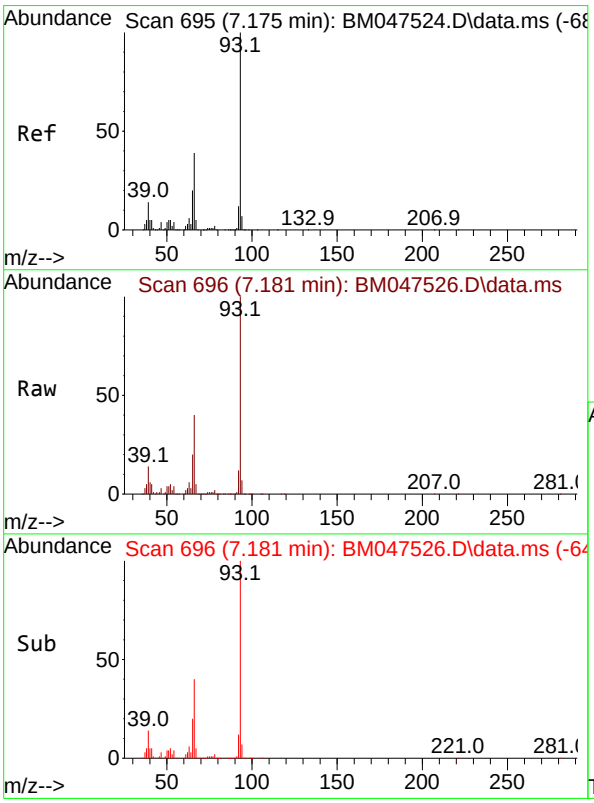
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 48.2 | 72.4 |
| 63 | 31.8 | 26.0 | 39.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

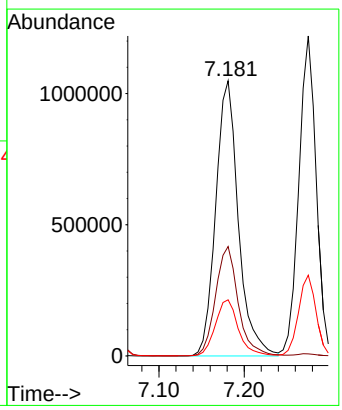
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

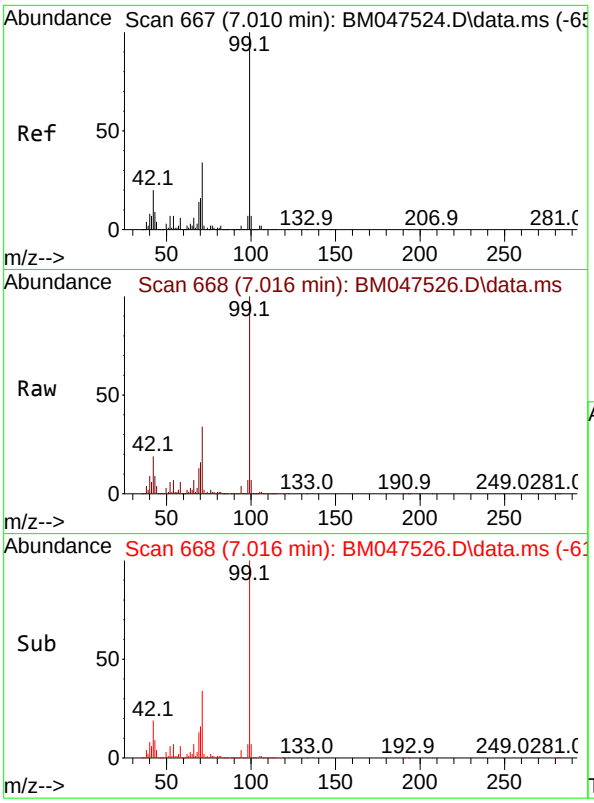



#6
Aniline
Concen: 61.416 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 1934266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.8 | 31.4 | 47.0 |
| 65 | 20.4 | 16.3 | 24.5 |

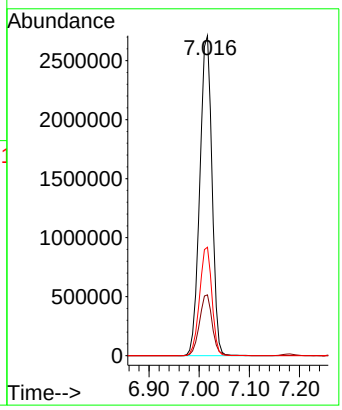





#7
Phenol-d6
Concen: 128.919 ng
RT: 7.016 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 99 Resp: 457977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 15.8 | 23.8 |
| 71 | 33.9 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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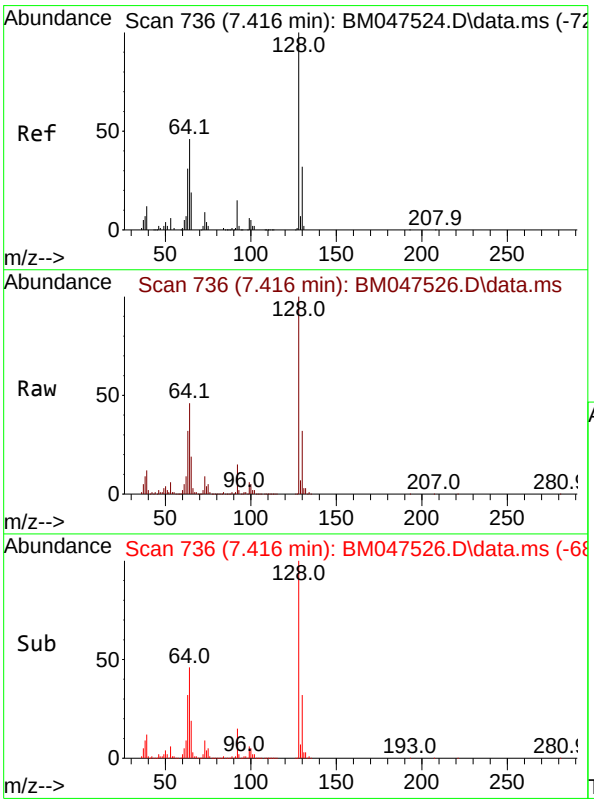
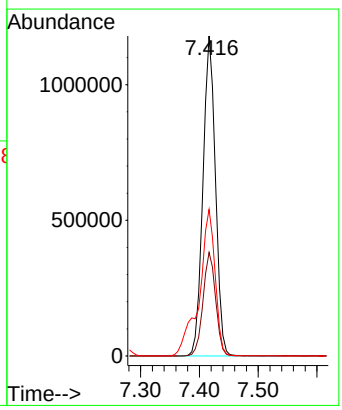
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

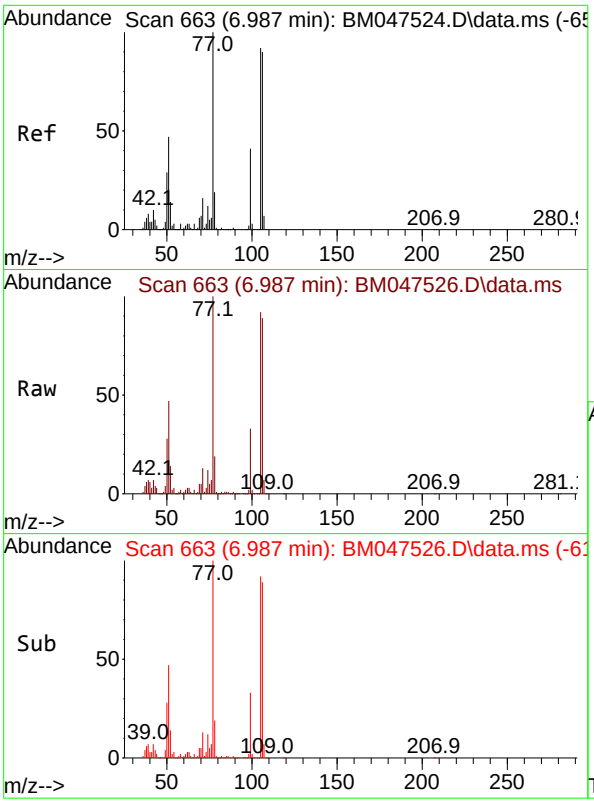



#8
2-Chlorophenol
Concen: 62.660 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:128 Resp: 1742448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 11.8 | 51.8 |
| 64 | 45.8 | 27.6 | 67.6 |

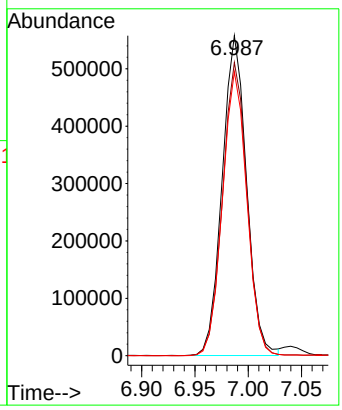





#9
Benzaldehyde
Concen: 52.578 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 88813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.6 | 71.8 | 111.8 |
| 106 | 88.7 | 69.7 | 109.7 |




**Instrument :**
BNA_M
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SSTDICC060

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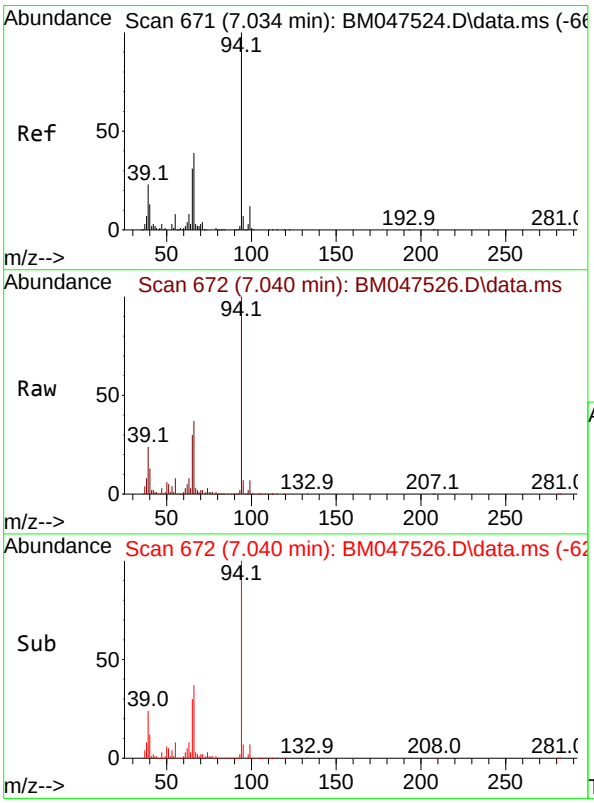
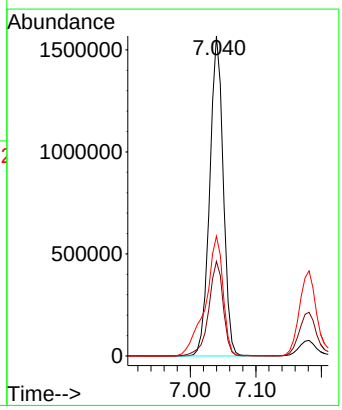
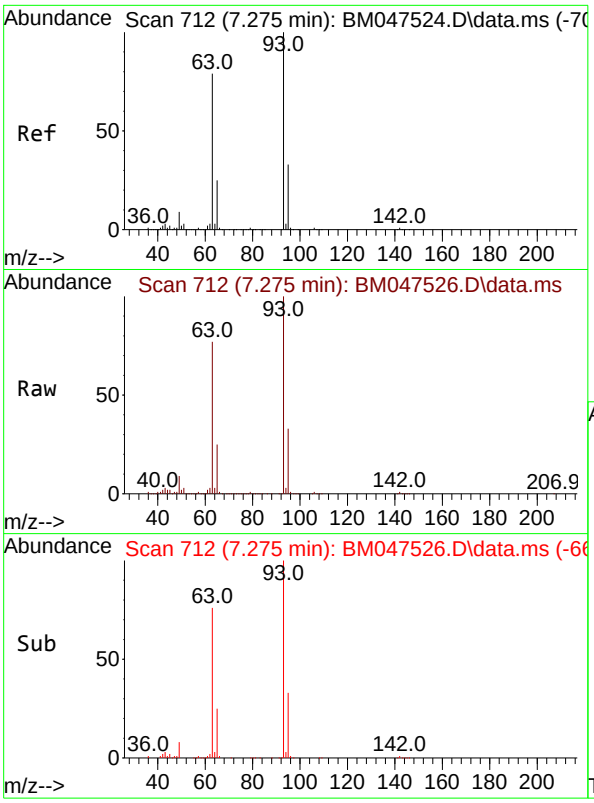



#10
Phenol
Concen: 63.333 ng
RT: 7.040 min Scan# 672
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 94 Resp: 2252760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 10.8 | 50.8 |
| 66 | 37.4 | 19.2 | 59.2 |

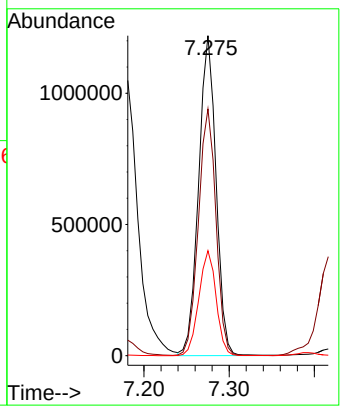





#11
bis(2-Chloroethyl)ether
Concen: 60.591 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 173025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.1 | 58.2 | 98.2 |
| 95 | 32.8 | 12.8 | 52.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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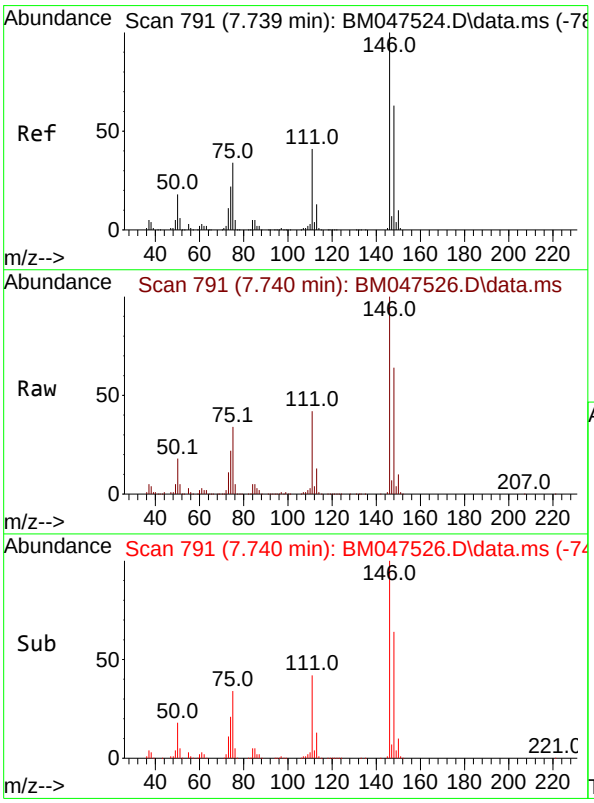
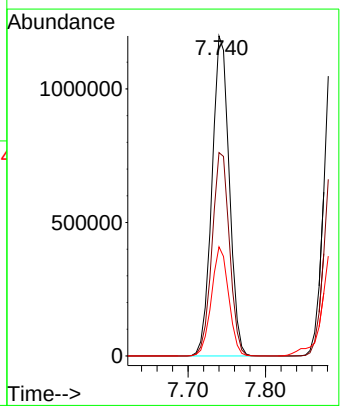
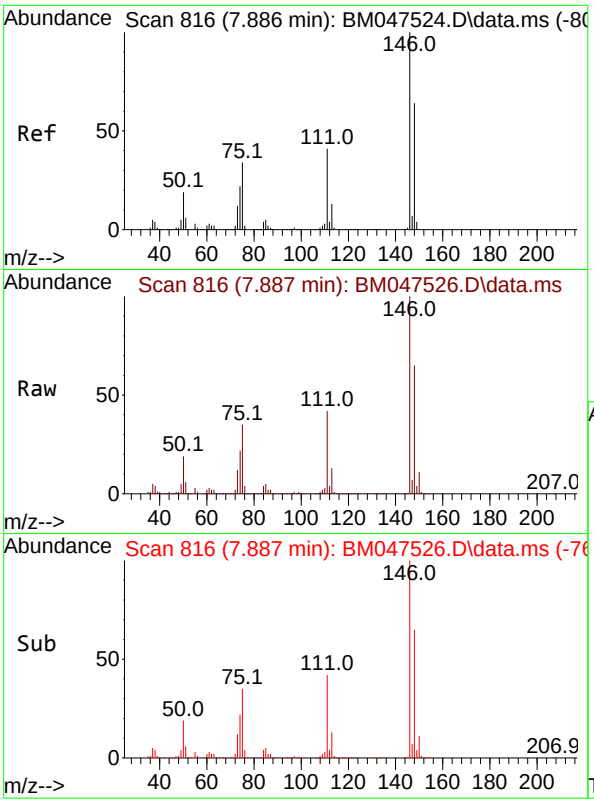



#12
1,3-Dichlorobenzene
Concen: 60.914 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 1854079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.2 | 75.4 |
| 75 | 34.1 | 27.4 | 41.0 |






#13
1,4-Dichlorobenzene
Concen: 61.033 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 189214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.3 | 76.9 |
| 111 | 41.8 | 32.9 | 49.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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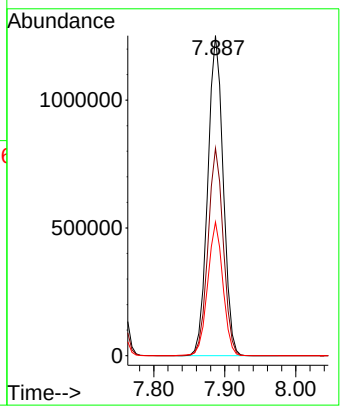
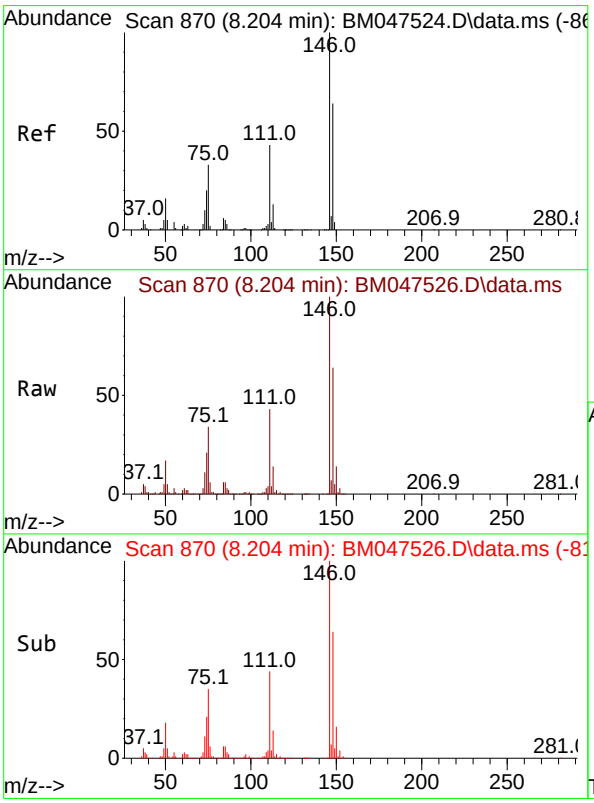
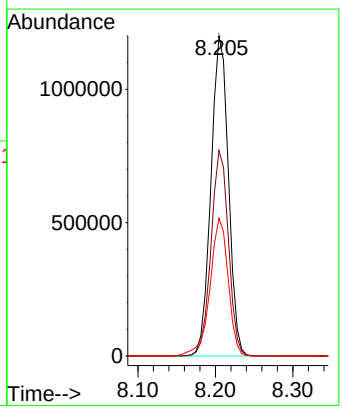


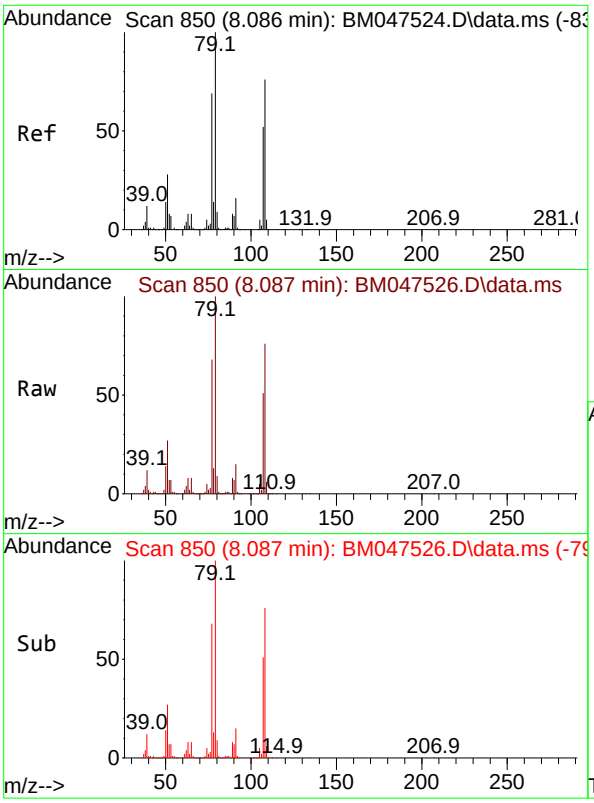




#14
1,2-Dichlorobenzene
Concen: 61.537 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:146 Resp: 1877483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.1 | 76.7 |
| 111 | 43.0 | 34.7 | 52.1 |

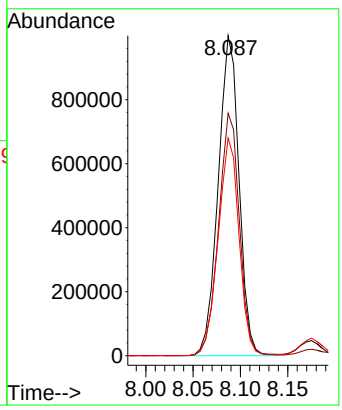





#15
Benzyl Alcohol
Concen: 63.643 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 79 Resp: 153145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.7 | 60.6 | 91.0 |
| 77 | 68.0 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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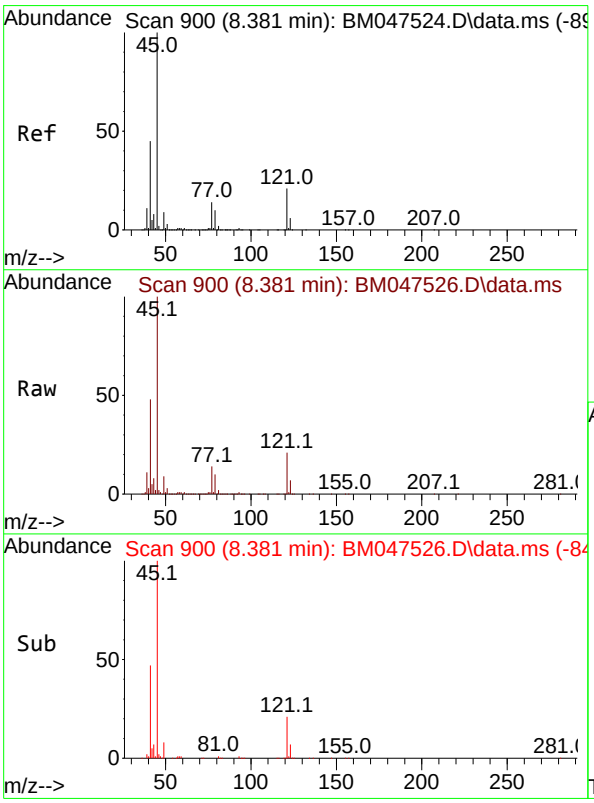
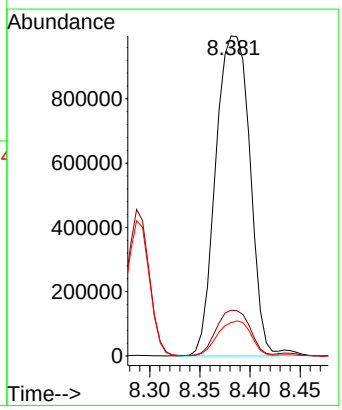
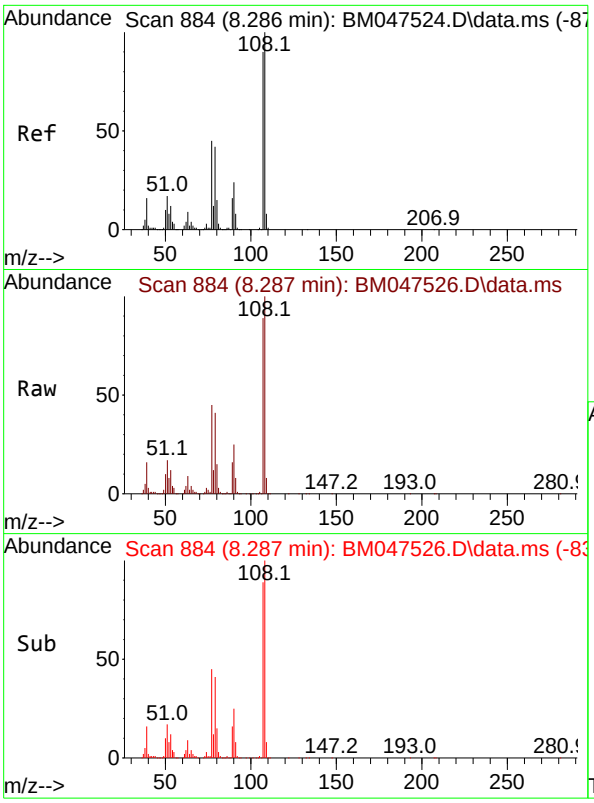



#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.702 ng
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 45 Resp: 2358074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.3 | 0.0 | 33.7 |
| 79 | 10.4 | 0.0 | 30.3 |

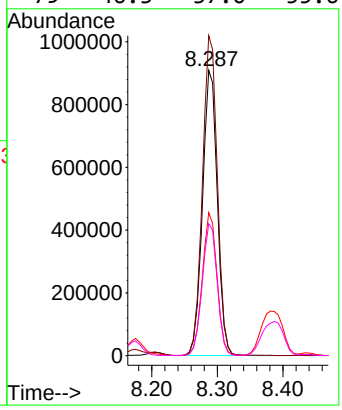





#17
2-Methylphenol
Concen: 62.911 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 142955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 88.9 | 133.3 |
| 77 | 50.2 | 39.8 | 59.8 |
| 79 | 46.3 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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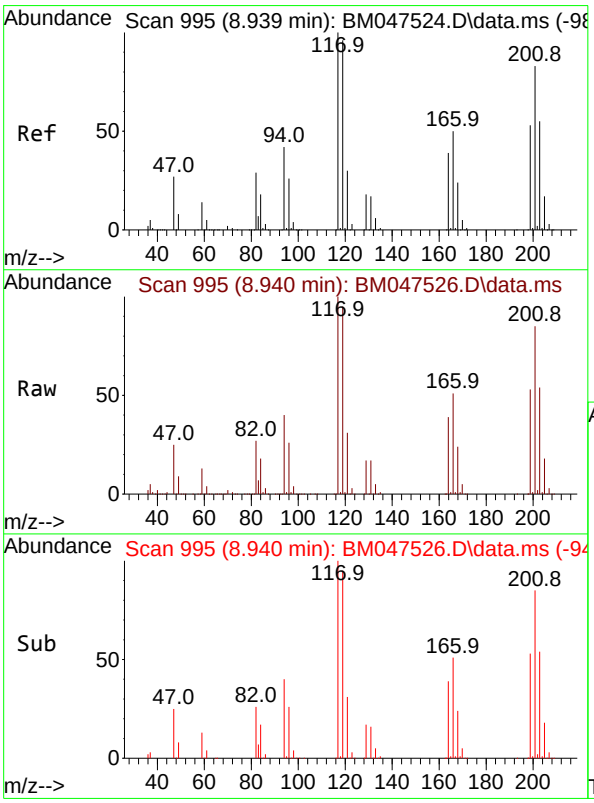
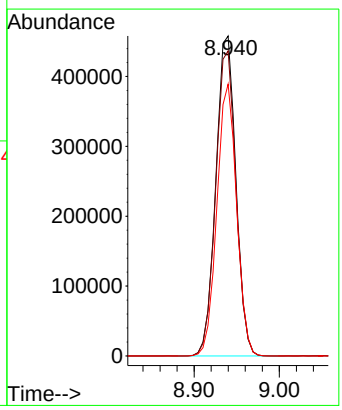
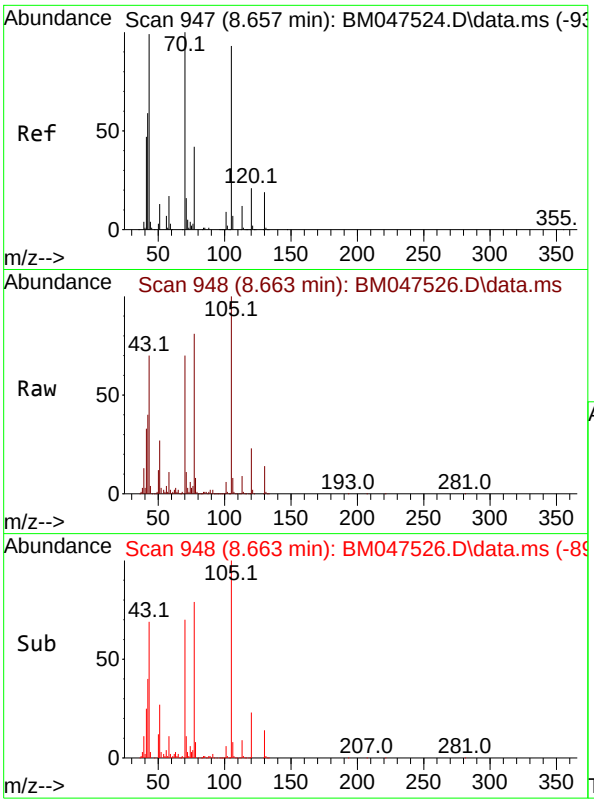



#18
Hexachloroethane
Concen: 60.522 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:117 Resp: 749536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.4 | 77.0 | 115.4 |
| 201 | 85.0 | 66.8 | 100.2 |

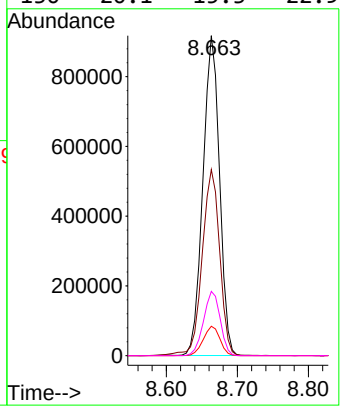





#19
n-Nitroso-di-n-propylamine
Concen: 62.260 ng
RT: 8.663 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 70 Resp: 149121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.2 | 48.2 | 72.2 |
| 101 | 9.2 | 7.0 | 10.4 |
| 130 | 20.1 | 15.3 | 22.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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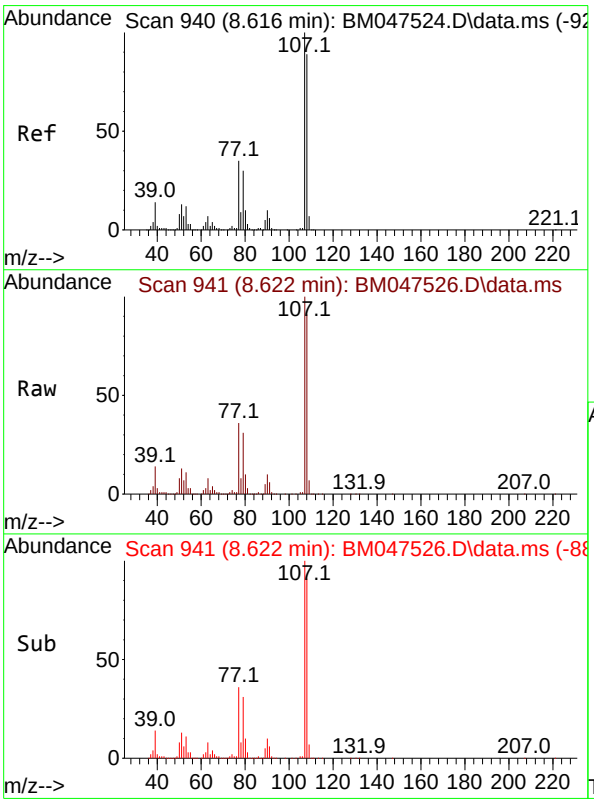
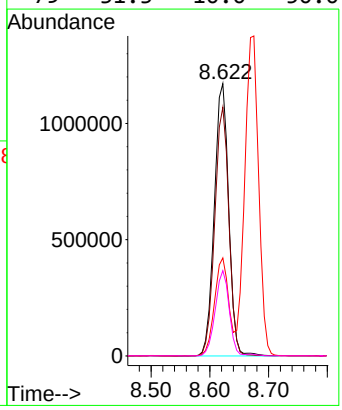
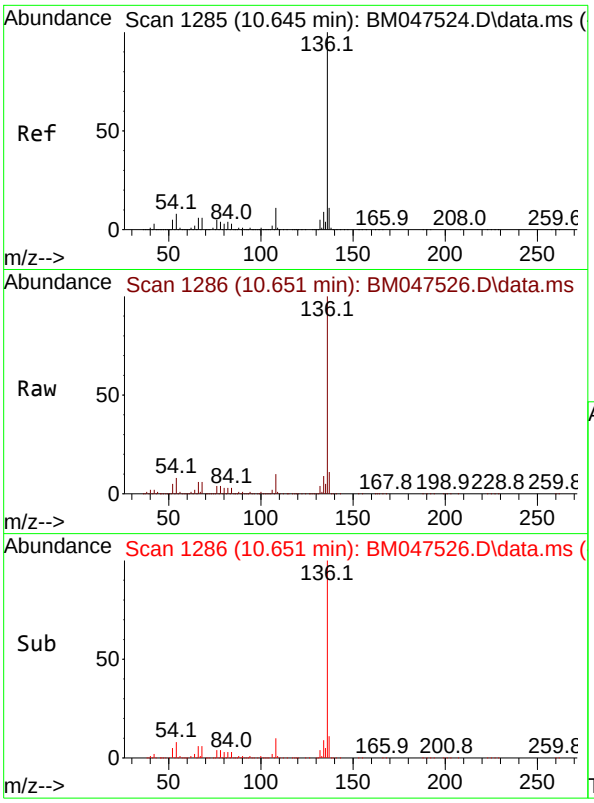



#20
3+4-Methylphenols
Concen: 62.798 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 1991121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.3 | 68.9 | 108.9 |
| 77 | 36.0 | 15.5 | 55.5 |
| 79 | 31.3 | 10.0 | 50.0 |

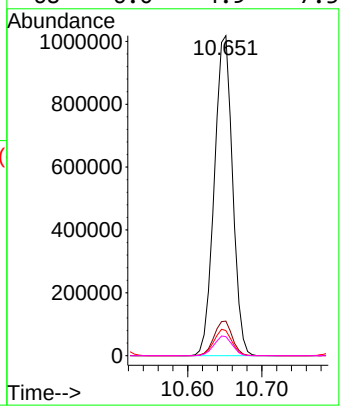





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:136 Resp: 173652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 7.9 | 6.6 | 9.8 |
| 68 | 6.0 | 4.9 | 7.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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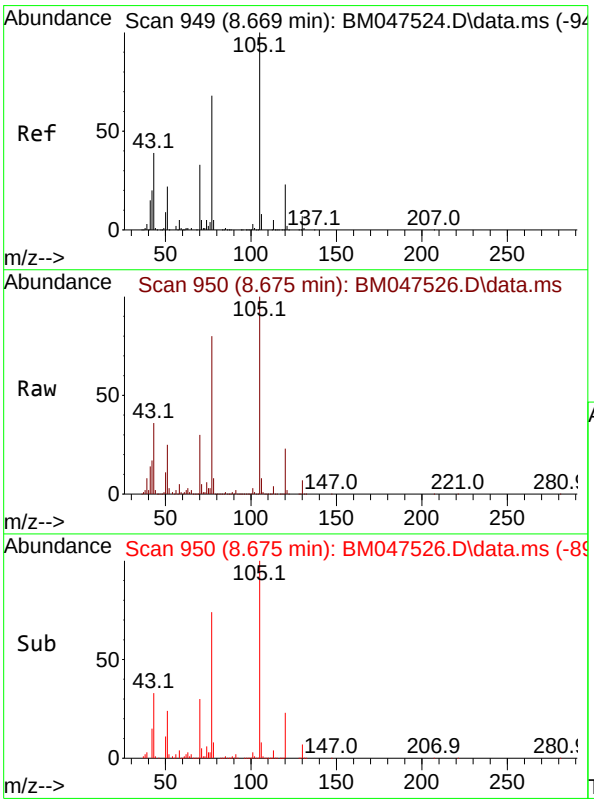
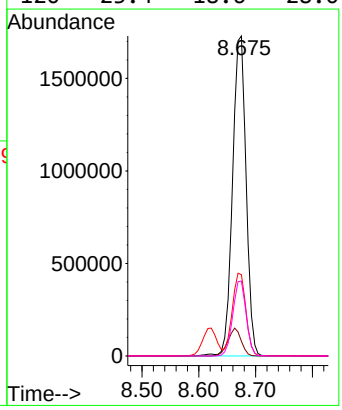
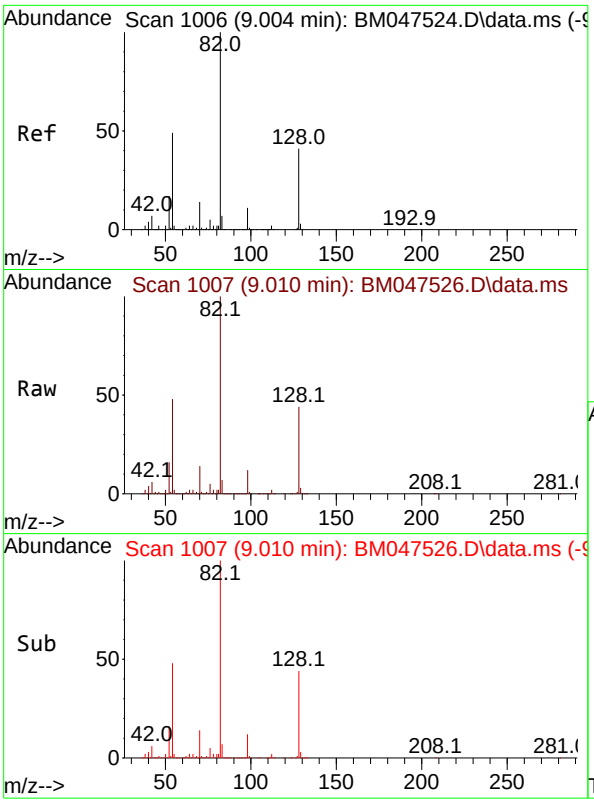



#22
Acetophenone
Concen: 62.541 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:105 Resp: 2855264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.6 | 4.3 | 6.5 |
| 51 | 25.4 | 21.5 | 32.3 |
| 120 | 23.4 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 125.215 ng
RT: 9.010 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 82 Resp: 434478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 33.0 | 49.4 |
| 54 | 48.4 | 39.3 | 58.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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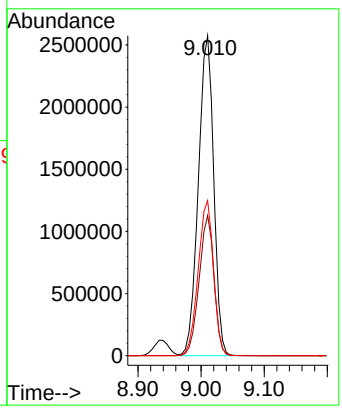
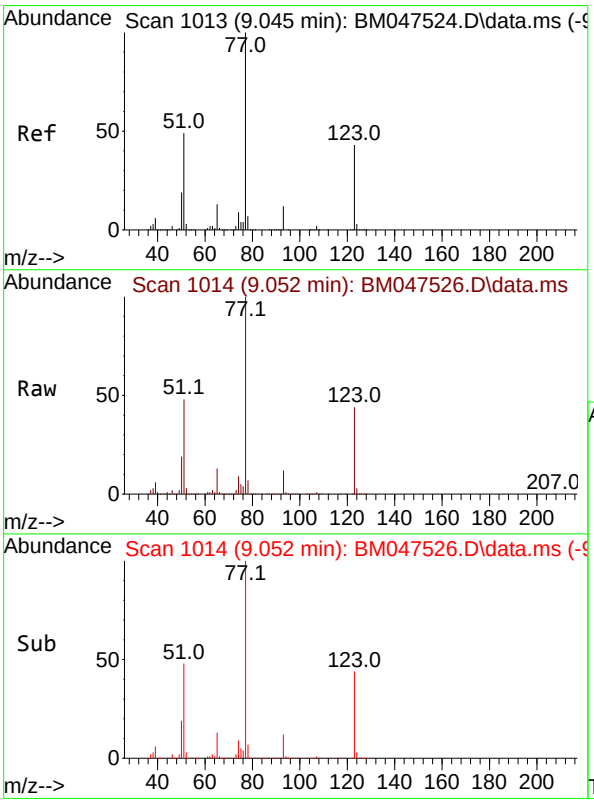
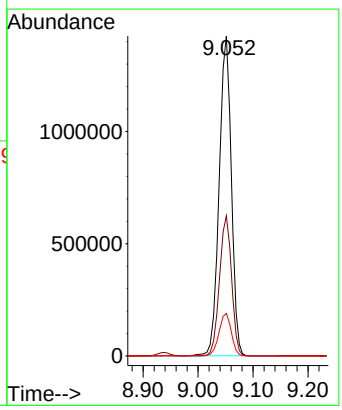


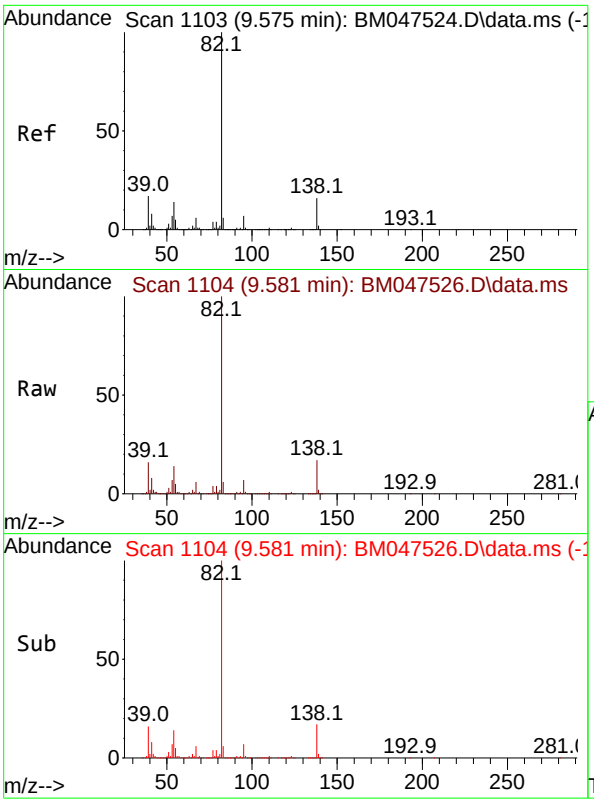




#24
Nitrobenzene
Concen: 61.376 ng
RT: 9.052 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 2188384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.8 | 34.5 | 51.7 |
| 65 | 13.3 | 10.7 | 16.1 |

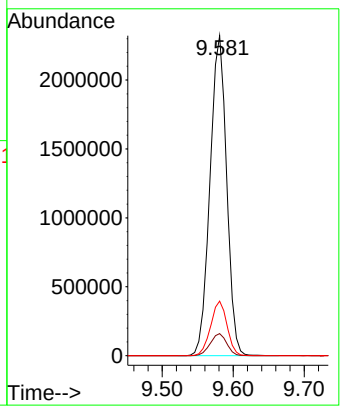





#25
Isophorone
Concen: 61.849 ng
RT: 9.581 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 82 Resp: 377289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.4 | 8.0 |
| 138 | 17.1 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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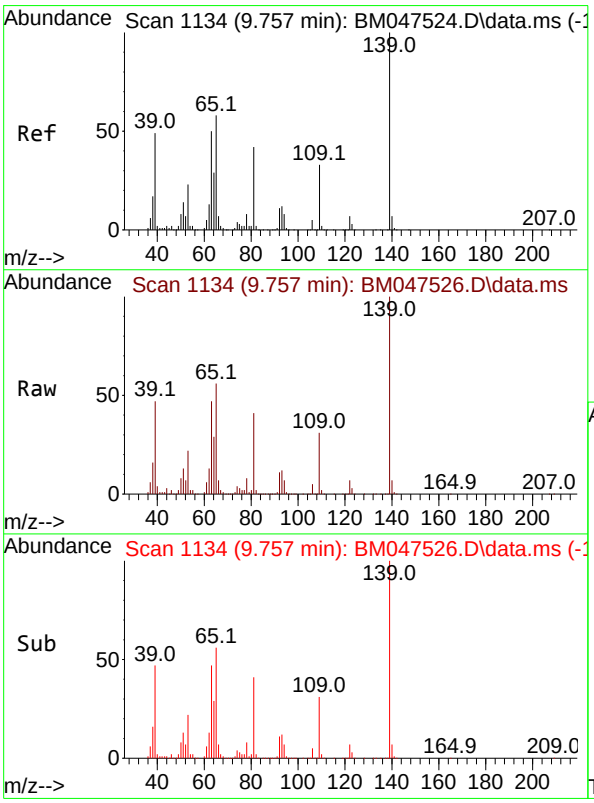
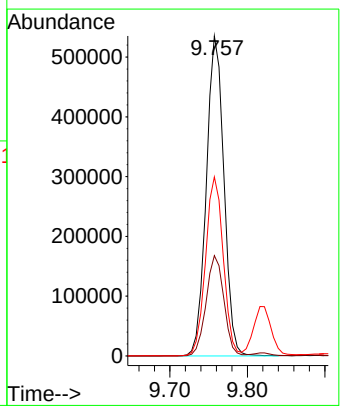
Supervised By :mohammad ahmed 09/17/2024

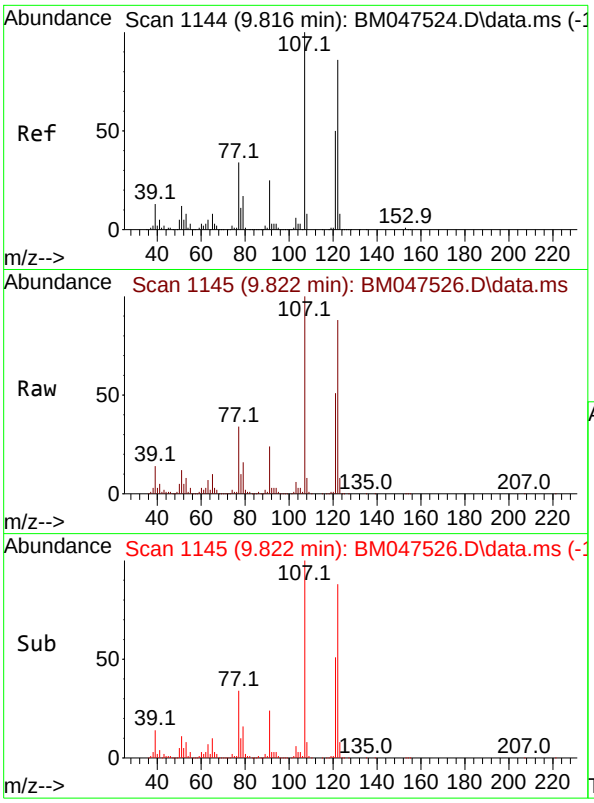



#26
2-Nitrophenol
Concen: 69.598 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:139 Resp: 845610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.4 | 26.0 | 39.0 |
| 65 | 55.9 | 46.2 | 69.4 |

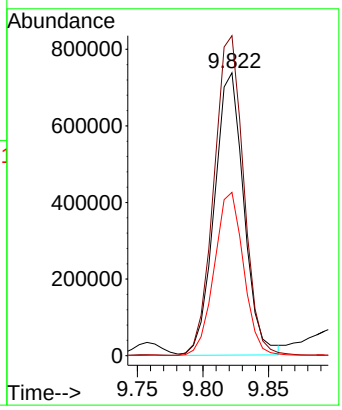





#27
2,4-Dimethylphenol
Concen: 62.697 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:122 Resp: 115475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.1 | 92.4 | 138.6 |
| 121 | 57.7 | 46.2 | 69.4 |




**Instrument :**
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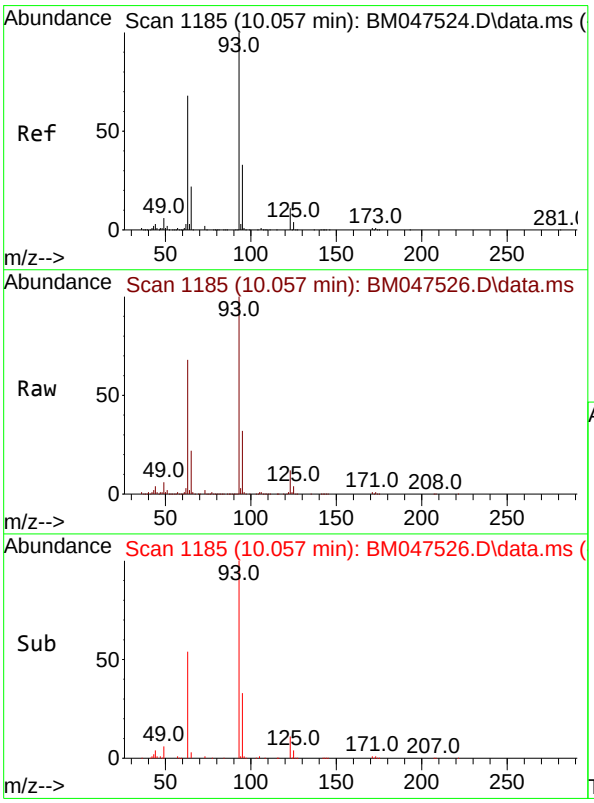
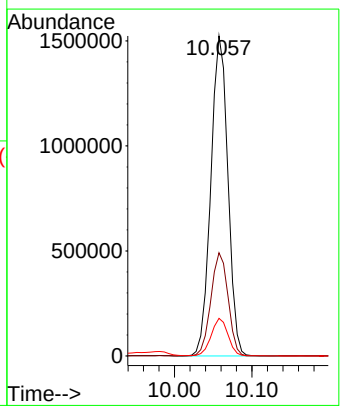
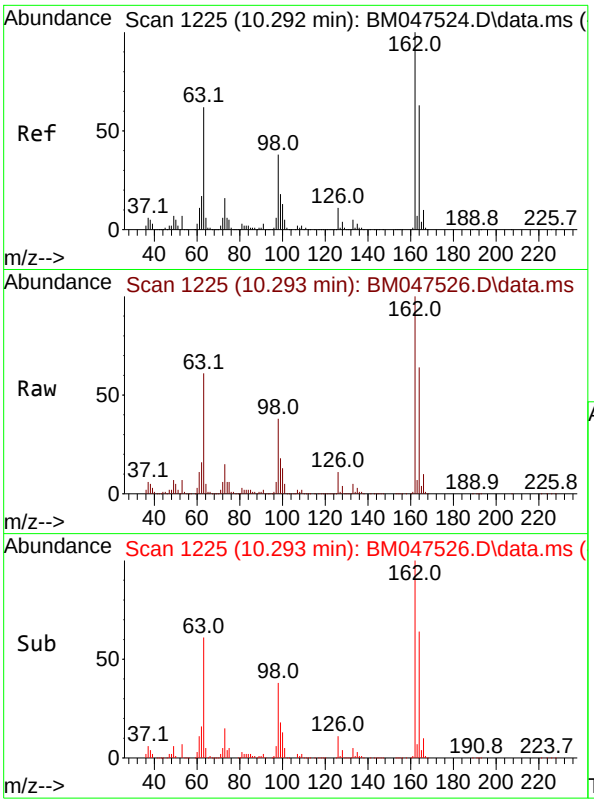



#28
bis(2-Chloroethoxy)methane
Concen: 60.814 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 93 Resp: 2330222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 11.8 | 9.2 | 13.8 |

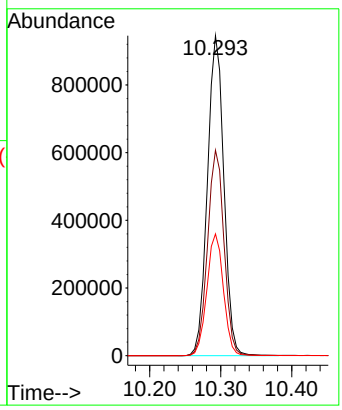





#29
2,4-Dichlorophenol
Concen: 65.020 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:162 Resp: 152143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 43.5 | 83.5 |
| 98 | 38.1 | 17.6 | 57.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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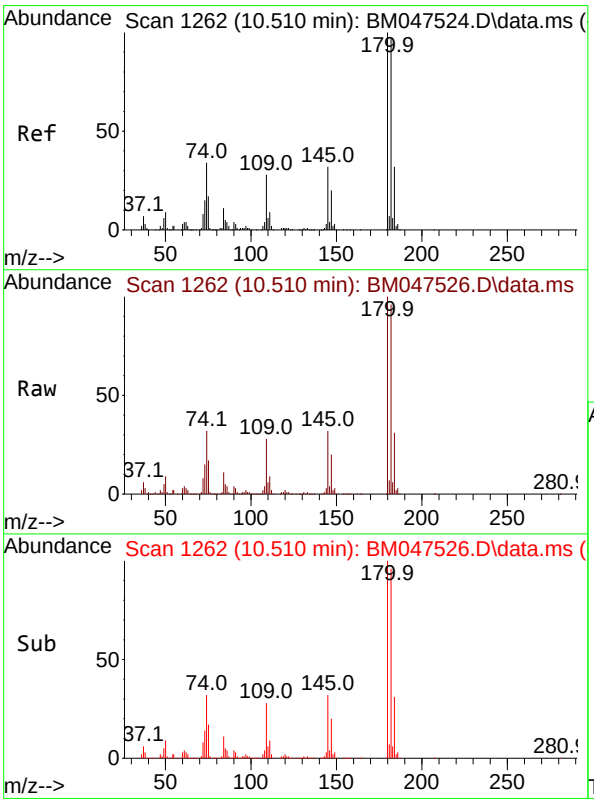
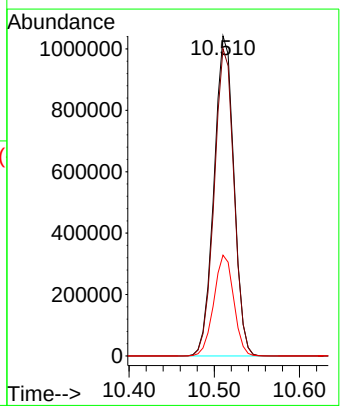
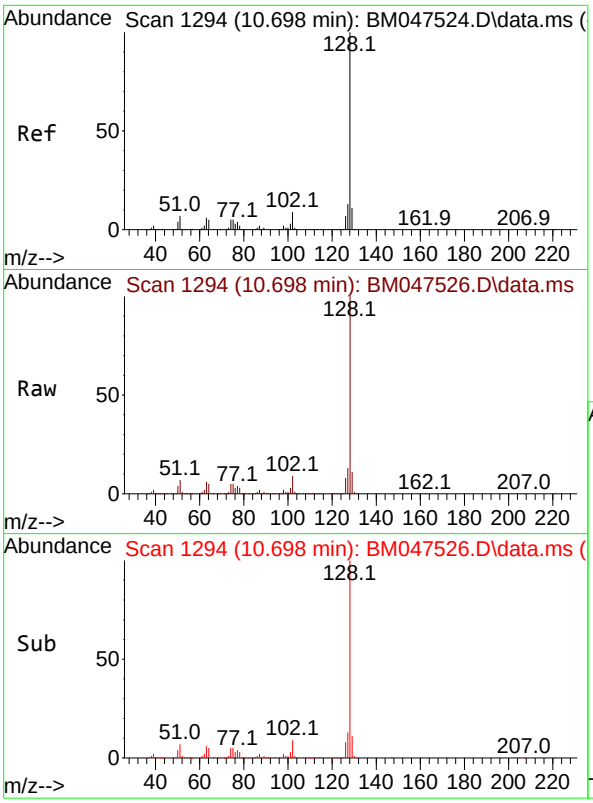



#30
1,2,4-Trichlorobenzene
Concen: 62.996 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:180 Resp: 1688520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 77.6 | 116.4 |
| 145 | 31.5 | 25.4 | 38.0 |

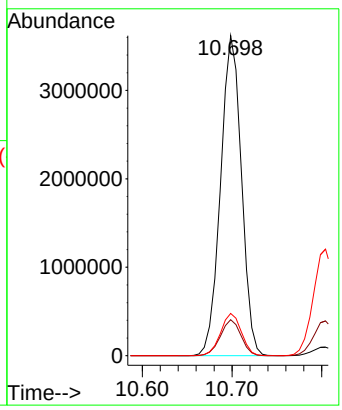





#31
Naphthalene
Concen: 62.302 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:128 Resp: 584303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.7 | 13.1 |
| 127 | 13.2 | 10.5 | 15.7 |




**Instrument :**
BNA_M
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SSTDICC060

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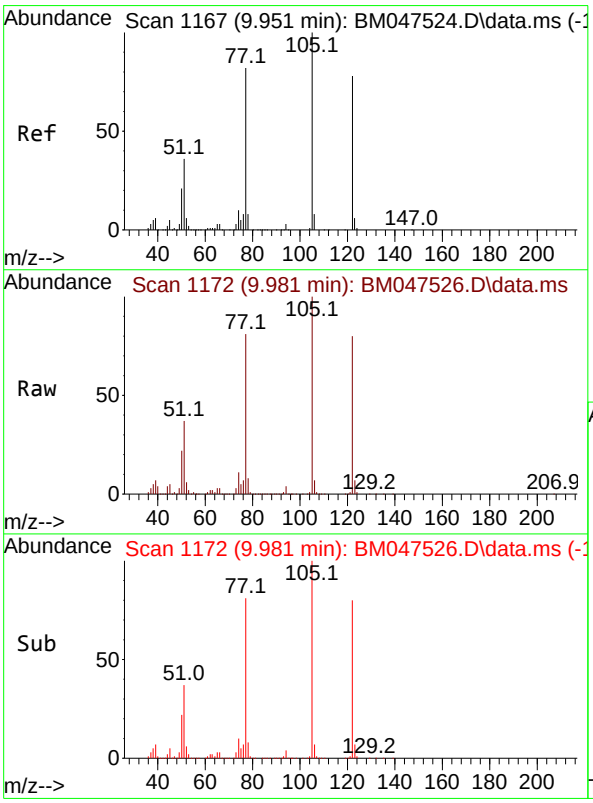
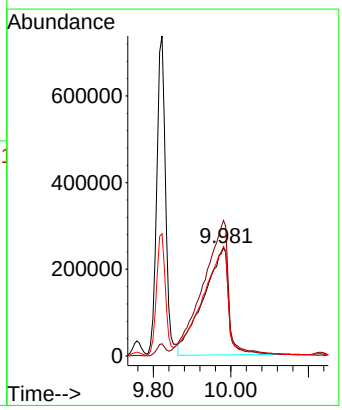
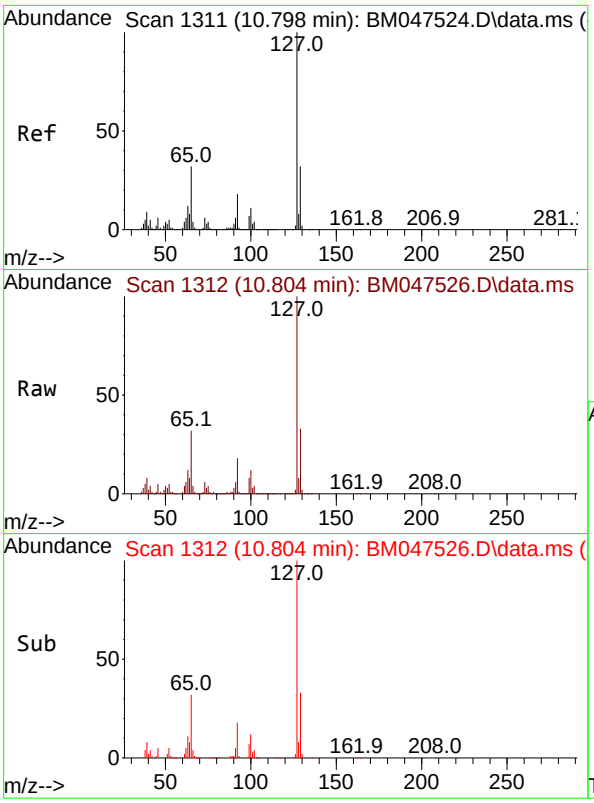



#32
Benzoic acid
Concen: 59.624 ng
RT: 9.981 min Scan# 1172
Delta R.T. 0.030 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:122 Resp: 1116767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.5 | 104.7 | 144.7 |
| 77 | 101.3 | 83.4 | 123.4 |

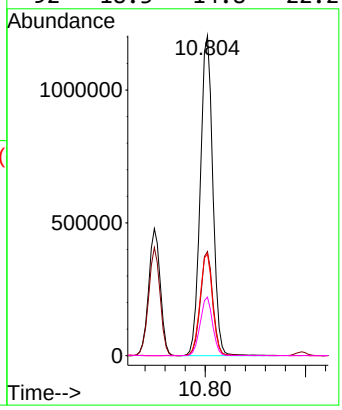





#33
4-Chloroaniline
Concen: 61.507 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:127 Resp: 208564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 25.4 | 38.0 |
| 65 | 31.9 | 25.5 | 38.3 |
| 92 | 18.3 | 14.8 | 22.2 |




**Instrument :**
BNA_M
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SSTDICC060

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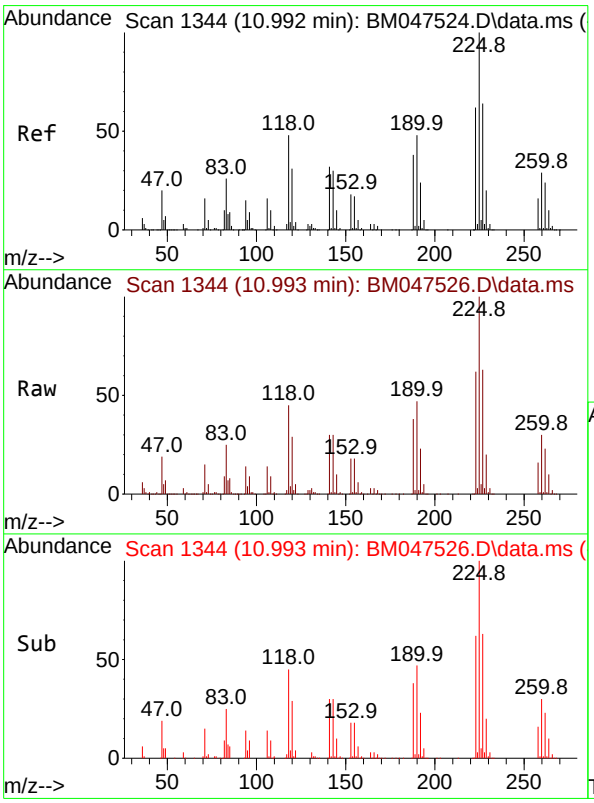
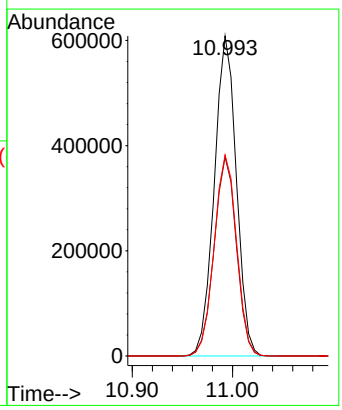
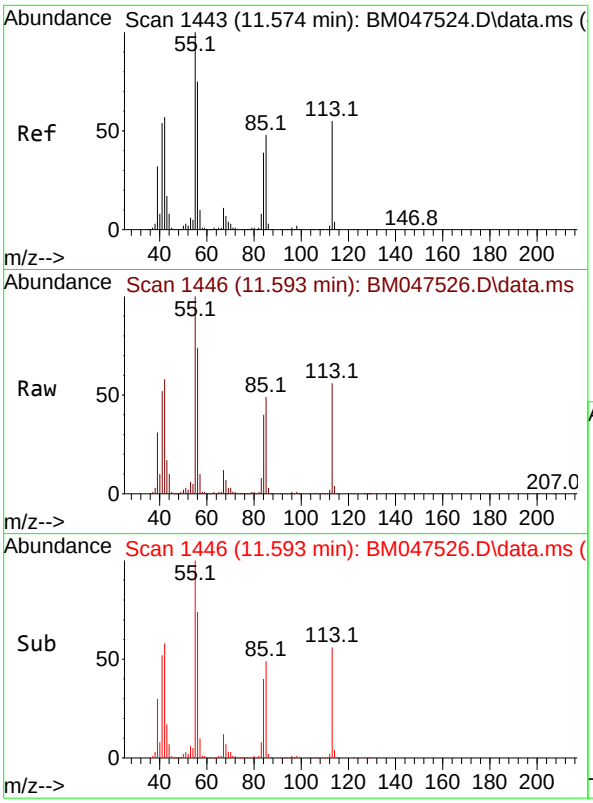



#34
Hexachlorobutadiene
Concen: 62.620 ng
RT: 10.993 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:225 Resp: 929673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.8 | 74.6 |
| 227 | 62.8 | 51.0 | 76.4 |

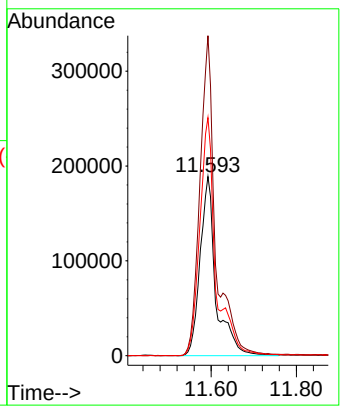





#35
Caprolactam
Concen: 63.293 ng
RT: 11.593 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:113 Resp: 48784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 178.6 | 162.5 | 202.5 |
| 56 | 132.8 | 116.5 | 156.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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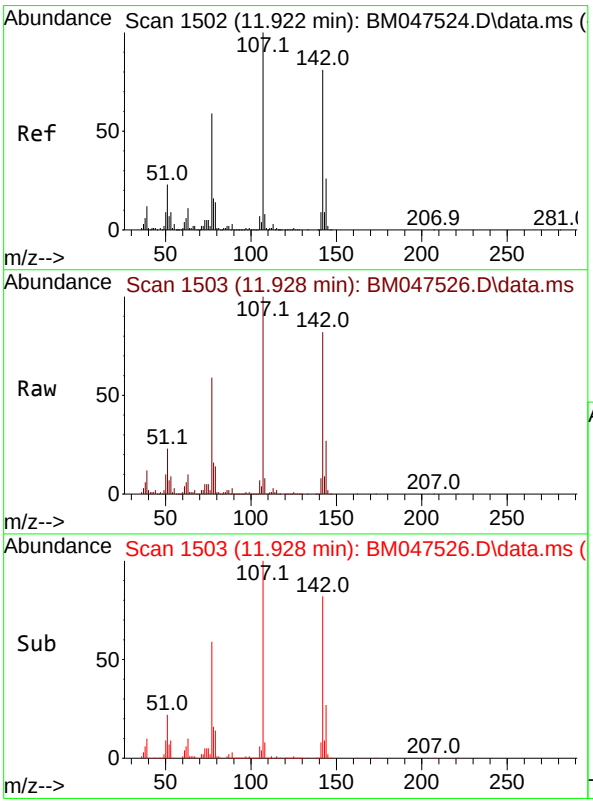
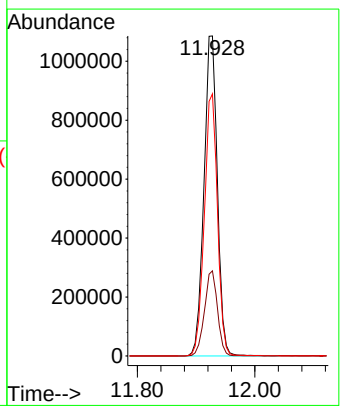
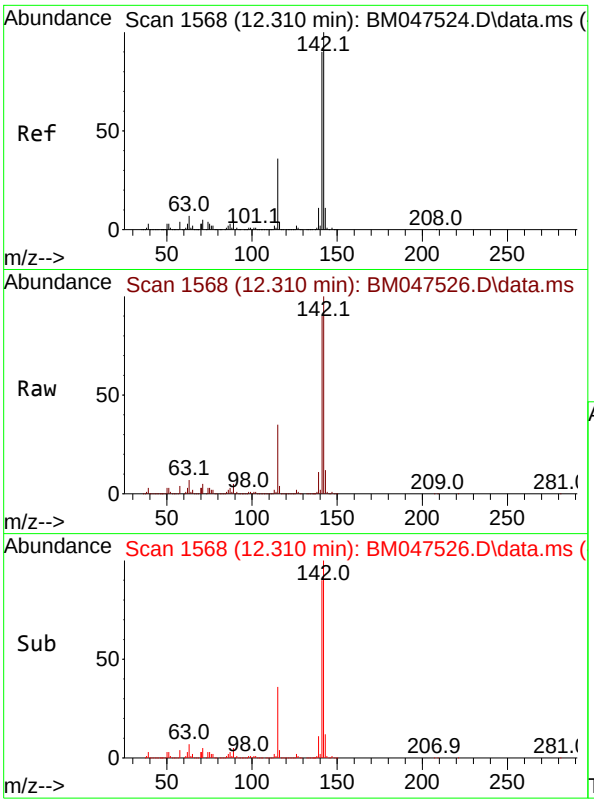



#36
4-Chloro-3-methylphenol
Concen: 63.989 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:107 Resp: 1715963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.6 | 20.5 | 30.7 |
| 142 | 81.9 | 65.0 | 97.4 |

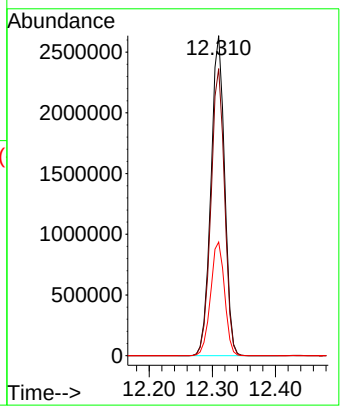





#37
2-Methylnaphthalene
Concen: 63.530 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:142 Resp: 396556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 72.2 | 108.4 |
| 115 | 35.5 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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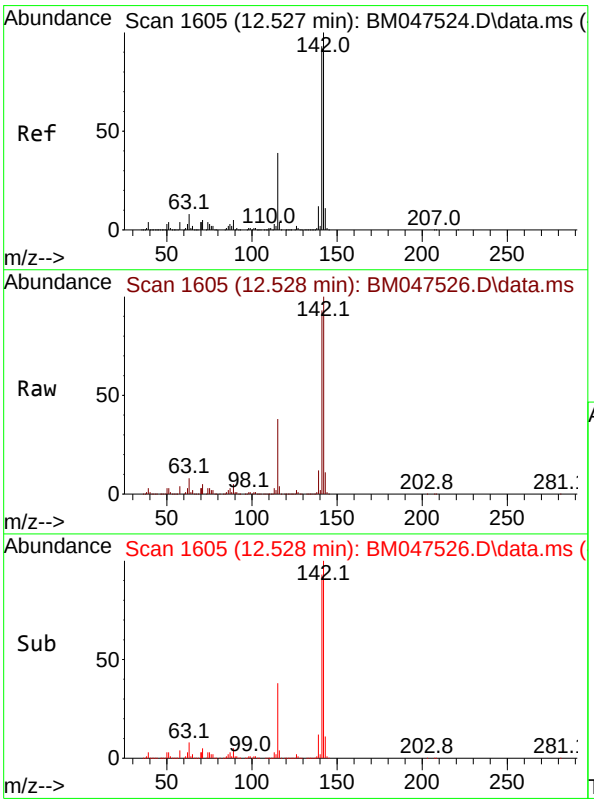
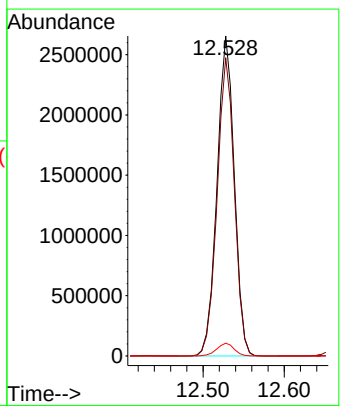
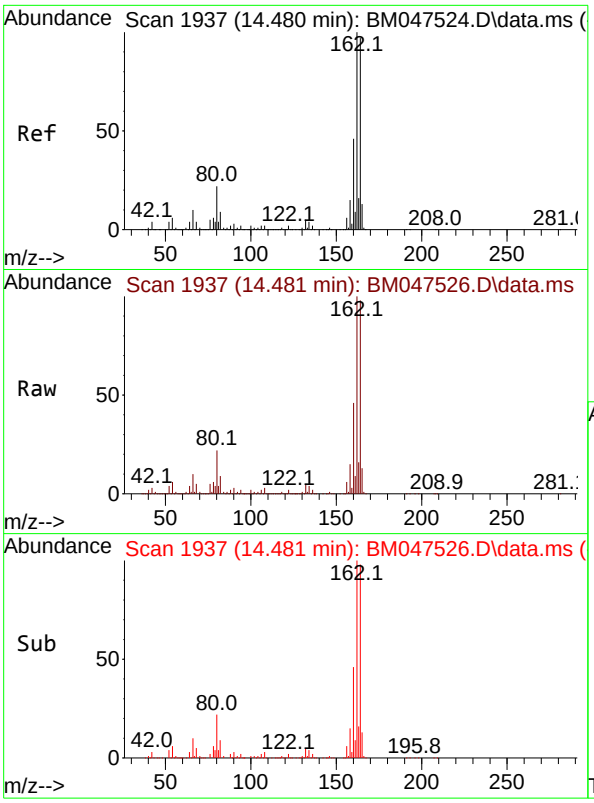



#38
1-Methylnaphthalene
Concen: 63.370 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:142 Resp: 3930943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.2 | 74.7 | 112.1 |
| 116 | 4.0 | 3.2 | 4.8 |

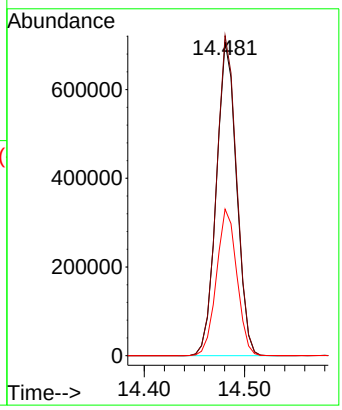





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:164 Resp: 98913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 82.2 | 123.2 |
| 160 | 46.8 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

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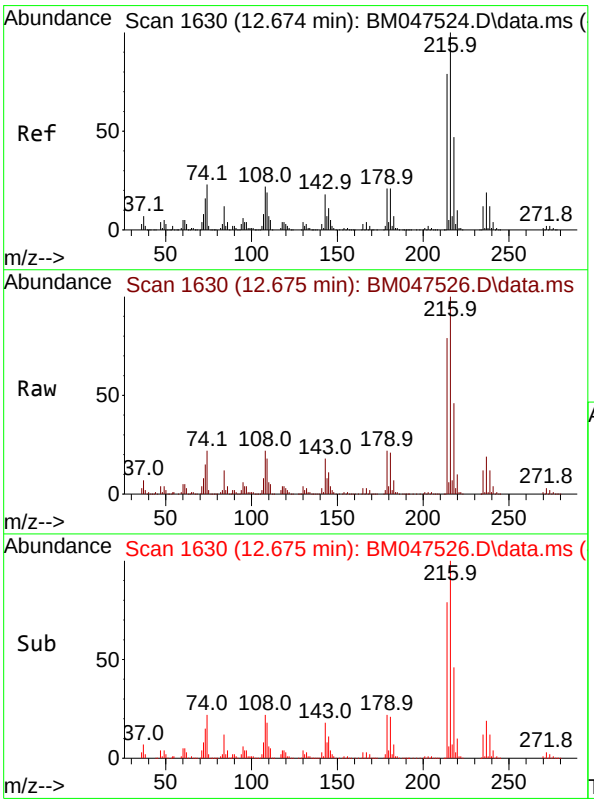
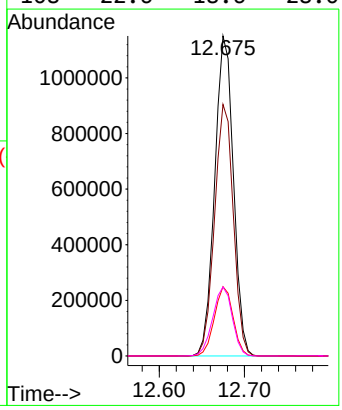
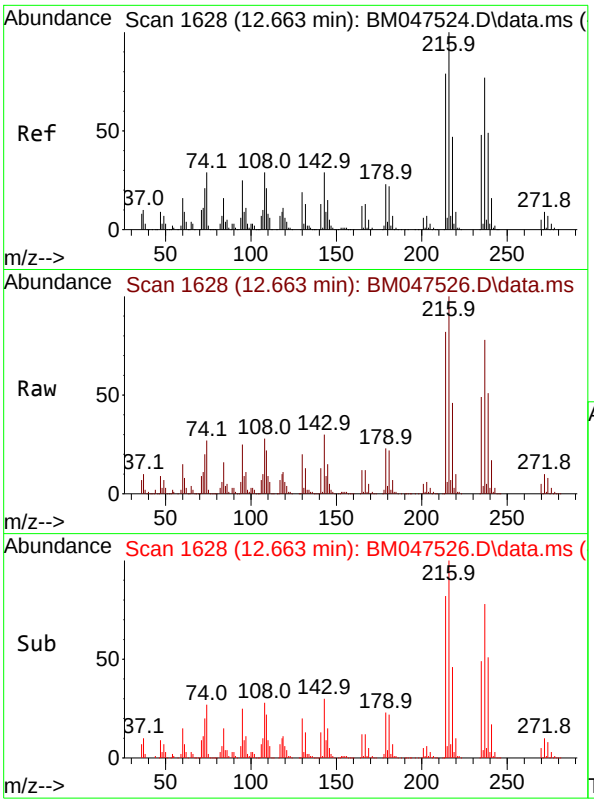



#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.522 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:216 Resp: 1753724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.0 | 94.6 |
| 179 | 21.7 | 17.5 | 26.3 |
| 108 | 22.6 | 18.6 | 28.0 |






#41
Hexachlorocyclopentadiene
Concen: 65.800 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:237 Resp: 57573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 42.0 | 82.0 |
| 272 | 12.4 | 0.0 | 31.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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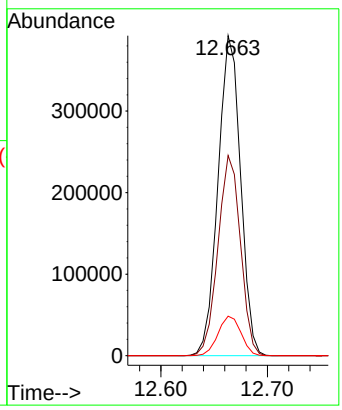
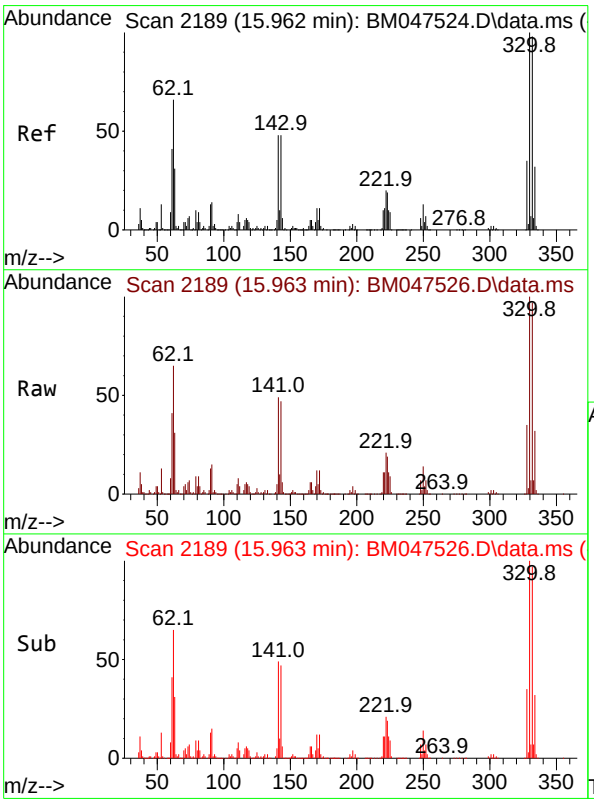
Supervised By :mohammad ahmed 09/17/2024

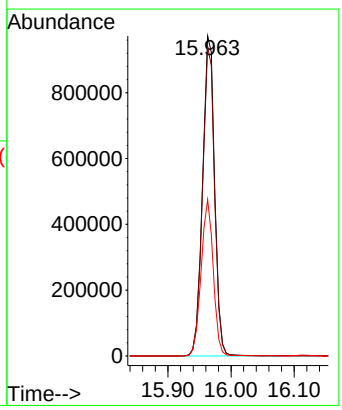


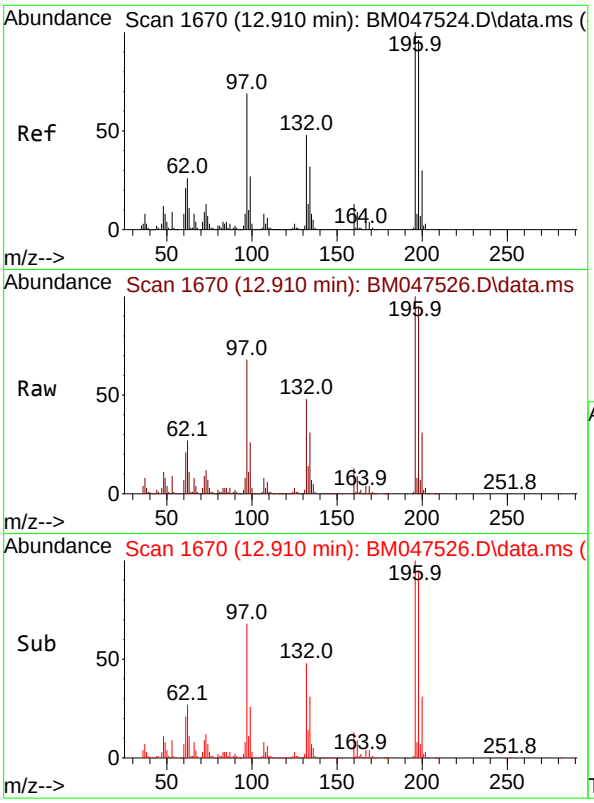




#42
2,4,6-Tribromophenol
Concen: 135.264 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:330 Resp: 1293238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 49.0 | 42.2 | 63.2 |






#43
2,4,6-Trichlorophenol
Concen: 67.261 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:196 Resp: 112786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.0 | 76.9 | 115.3 |
| 200 | 30.7 | 24.3 | 36.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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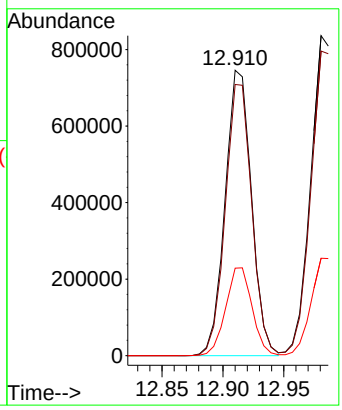
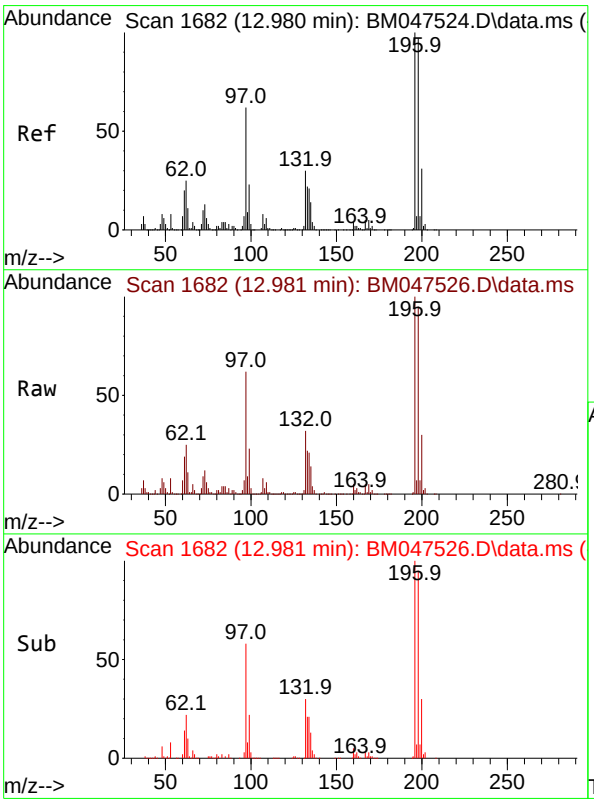
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

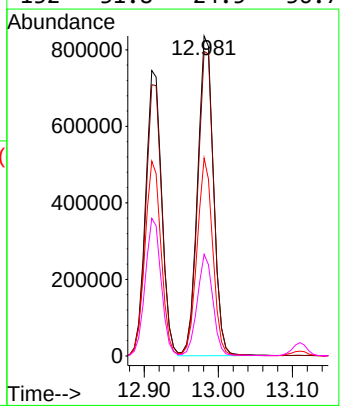


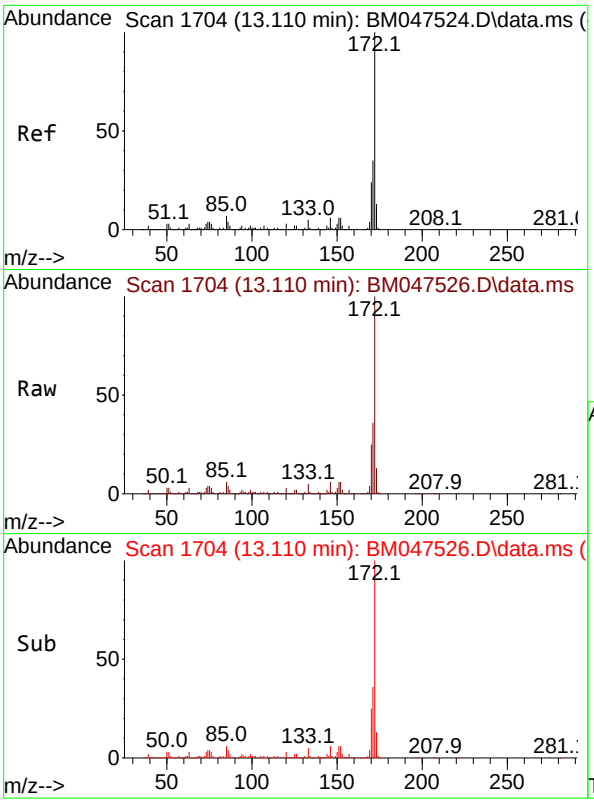




#44
2,4,5-Trichlorophenol
Concen: 65.878 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:196 Resp: 1247714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.4 | 116.2 |
| 97 | 61.8 | 49.8 | 74.8 |
| 132 | 31.8 | 24.5 | 36.7 |

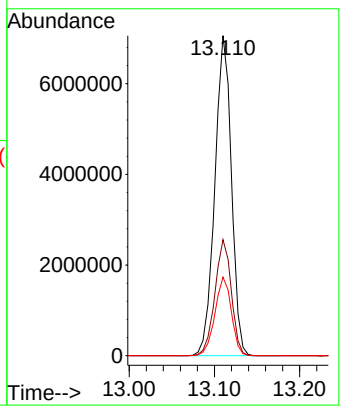





#45
2-Fluorobiphenyl
Concen: 132.892 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:172 Resp: 954232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.2 | 42.2 |
| 170 | 24.6 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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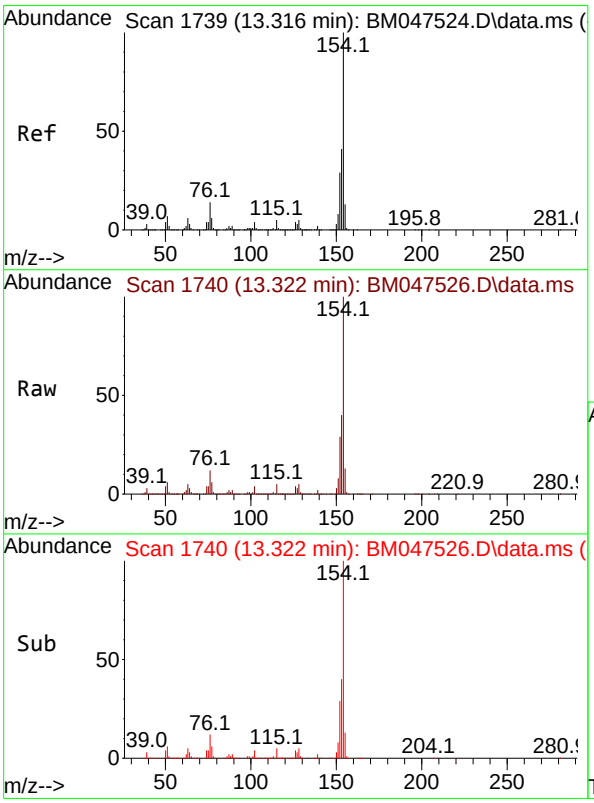
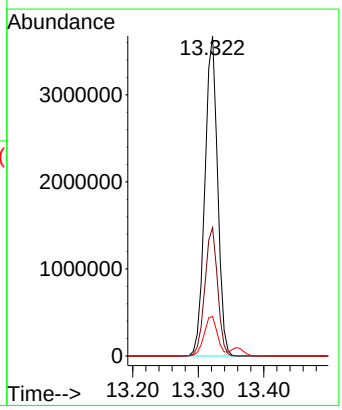
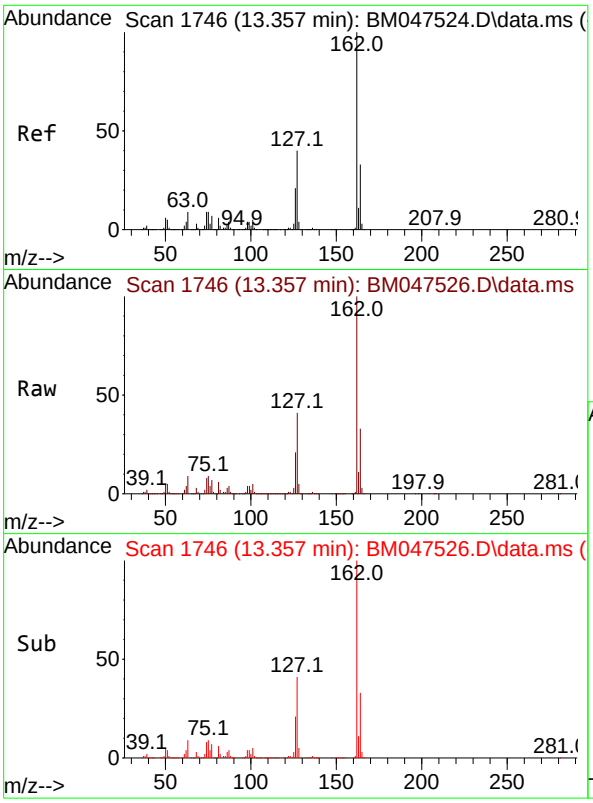



#46
1,1'-Biphenyl
Concen: 64.482 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:154 Resp: 4962549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.6 | 60.6 |
| 76 | 12.3 | 0.0 | 33.9 |

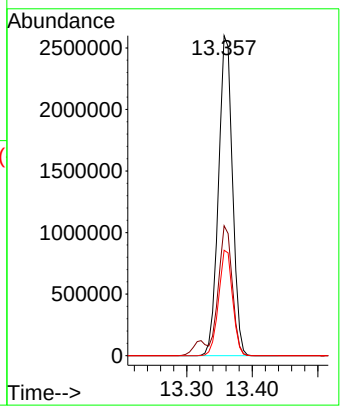





#47
2-Chloronaphthalene
Concen: 64.100 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:162 Resp: 383045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.6 | 32.2 | 48.4 |
| 164 | 33.0 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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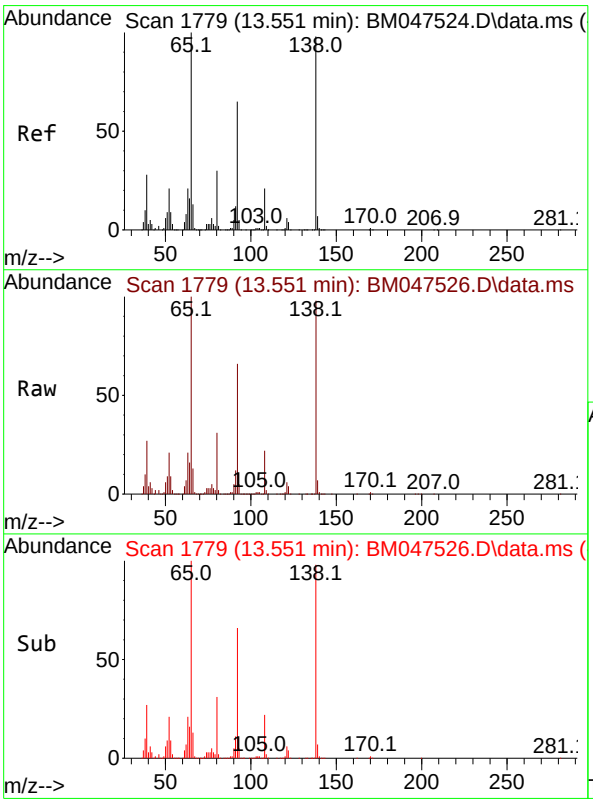
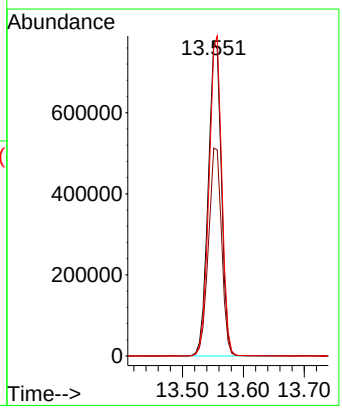
Supervised By :mohammad ahmed 09/17/2024

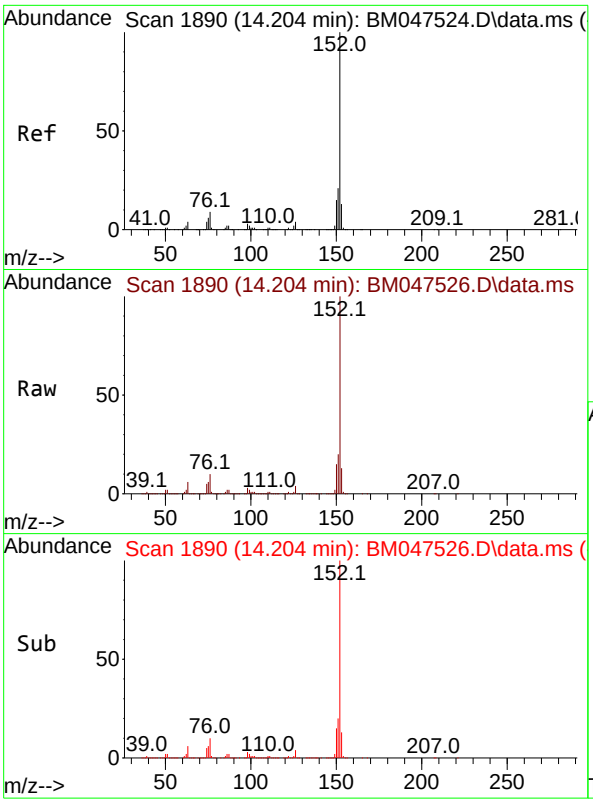



#48
2-Nitroaniline
Concen: 66.125 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 65 Resp: 1160615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.3 | 51.9 | 77.9 |
| 138 | 98.1 | 78.5 | 117.7 |






#49
Acenaphthylene
Concen: 64.401 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:152 Resp: 555357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.5 | 24.7 |
| 153 | 13.1 | 10.4 | 15.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

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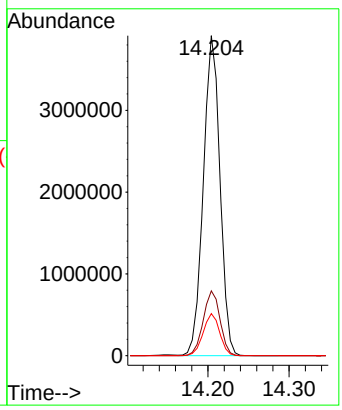
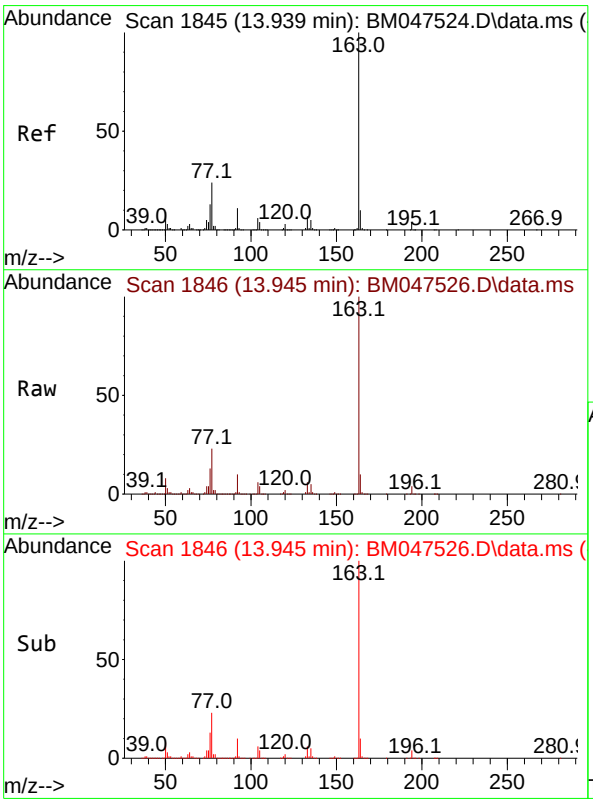
Supervised By :mohammad ahmed 09/17/2024

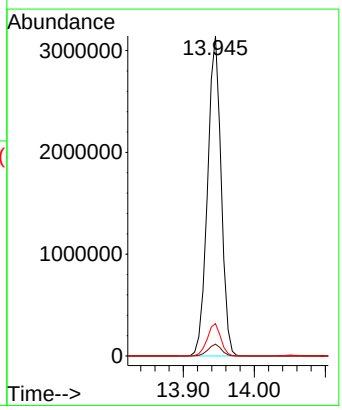


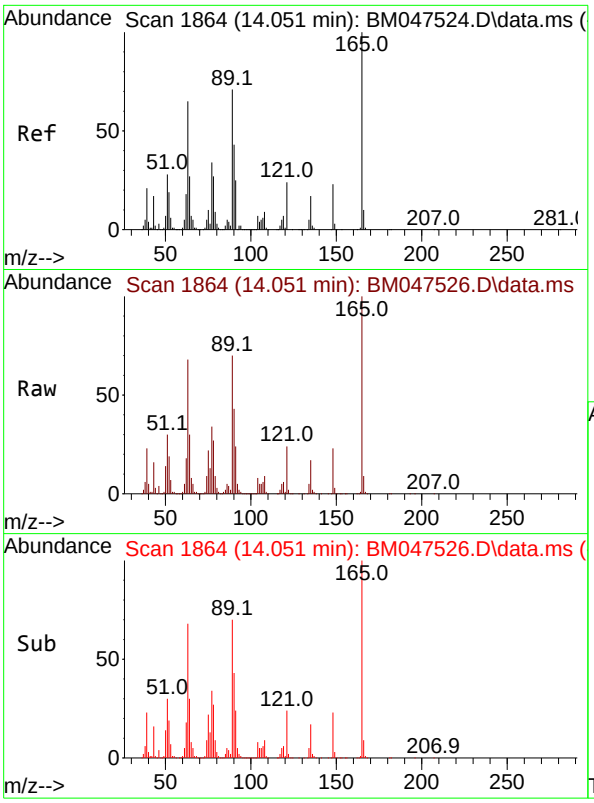




#50
Dimethylphthalate
Concen: 61.743 ng
RT: 13.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:163 Resp: 4162540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.9 | 4.3 |
| 164 | 10.1 | 7.9 | 11.9 |






#51
2,6-Dinitrotoluene
Concen: 64.198 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:165 Resp: 91367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 67.6 | 54.2 | 81.2 |
| 89 | 69.6 | 56.4 | 84.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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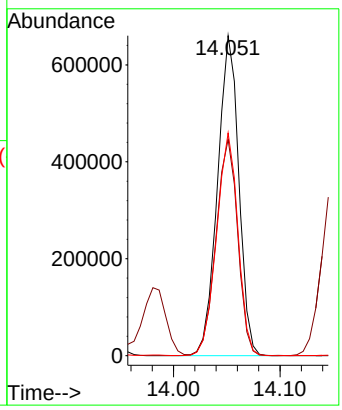
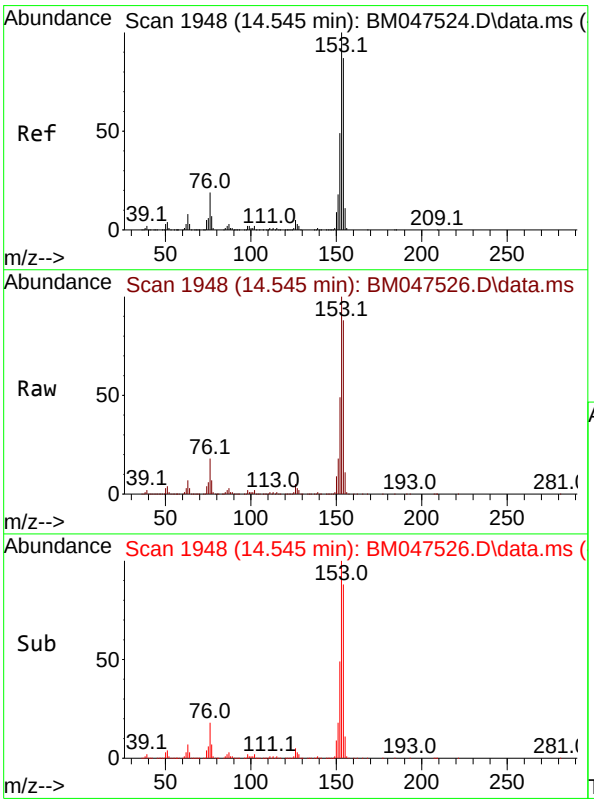
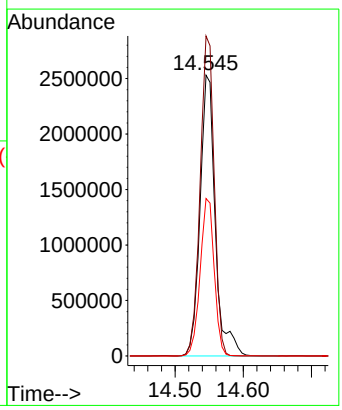


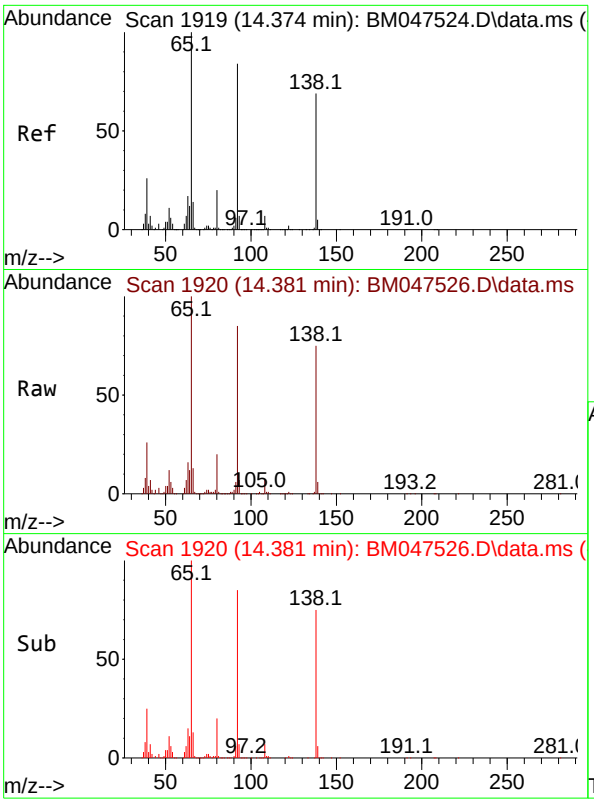




#52
Acenaphthene
Concen: 64.922 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:154 Resp: 3922692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.0 | 92.2 | 138.2 |
| 152 | 56.1 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 64.587 ng
RT: 14.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:138 Resp: 102170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.6 | 8.0 | 12.0 |
| 92 | 113.9 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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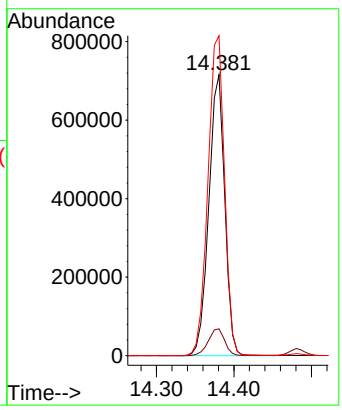
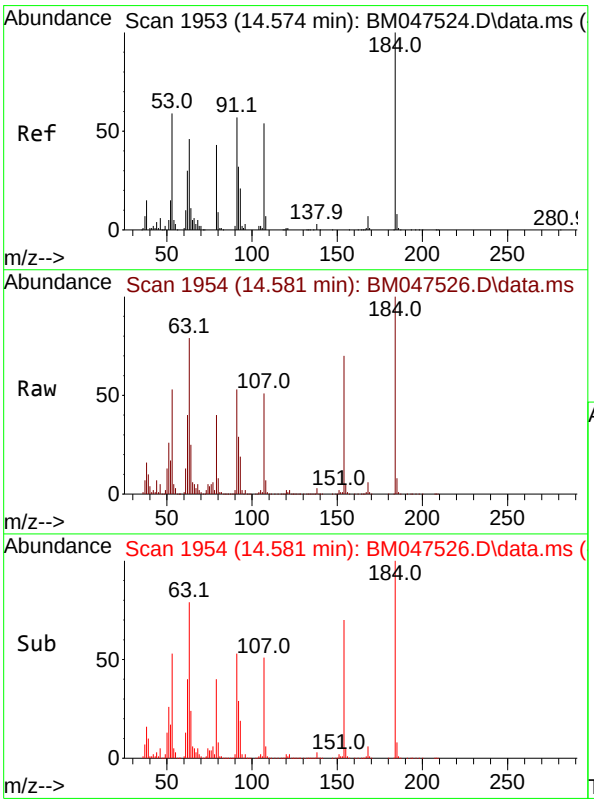
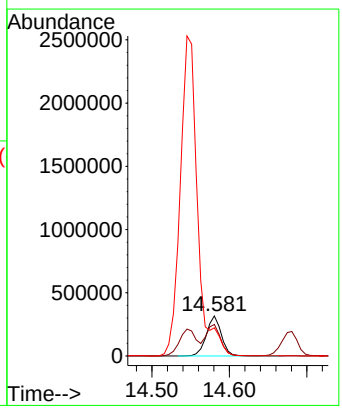


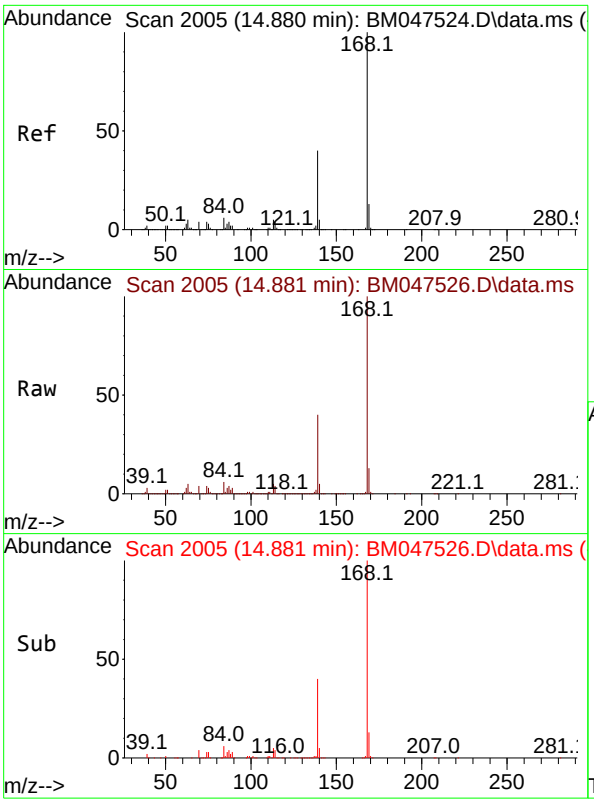




#54
2,4-Dinitrophenol
Concen: 59.540 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.007 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:184 Resp: 423951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 78.8 | 69.4 | 104.0 |
| 154 | 70.4 | 60.4 | 90.6 |

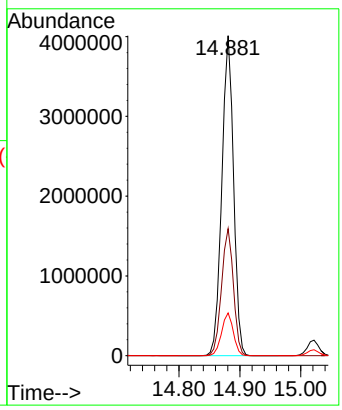





#55
Dibenzofuran
Concen: 63.175 ng
RT: 14.881 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:168 Resp: 536398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.7 | 31.9 | 47.9 |
| 169 | 13.4 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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Reviewed By :Yogesh Patel 09/16/2024
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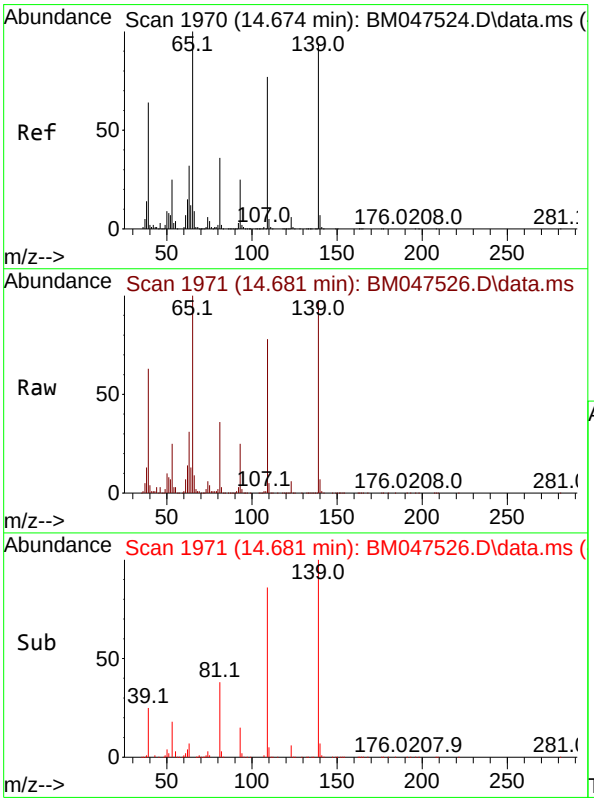
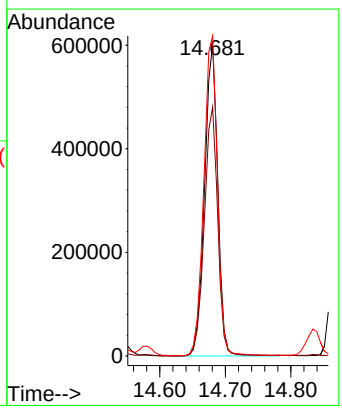
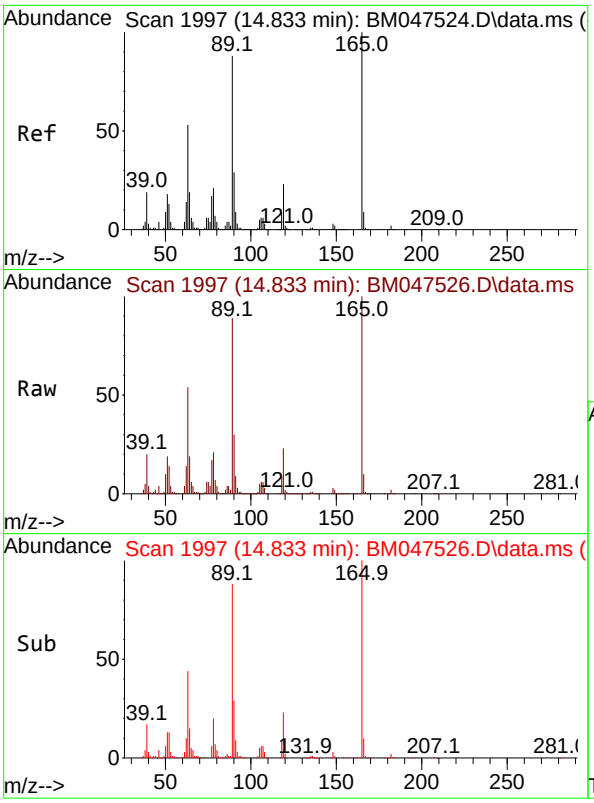



#56
4-Nitrophenol
Concen: 65.100 ng
RT: 14.681 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:139 Resp: 847413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.0 | 62.0 | 102.0 |
| 65 | 102.8 | 87.0 | 127.0 |

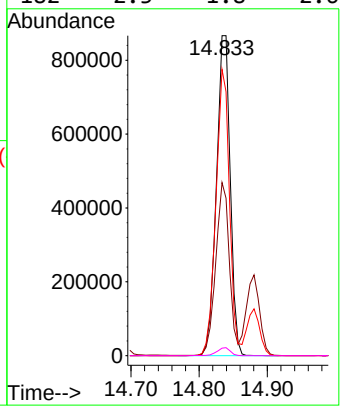





#57
2,4-Dinitrotoluene
Concen: 64.518 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:165 Resp: 122462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.1 | 42.4 | 63.6 |
| 89 | 89.5 | 70.5 | 105.7 |
| 182 | 2.3 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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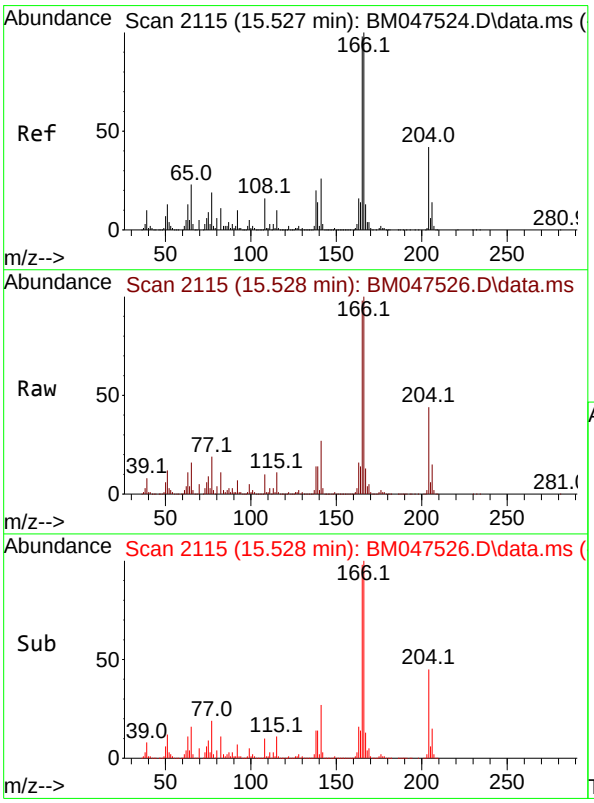
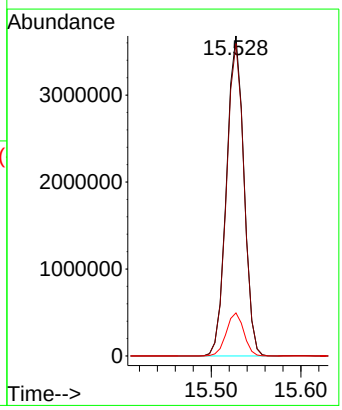
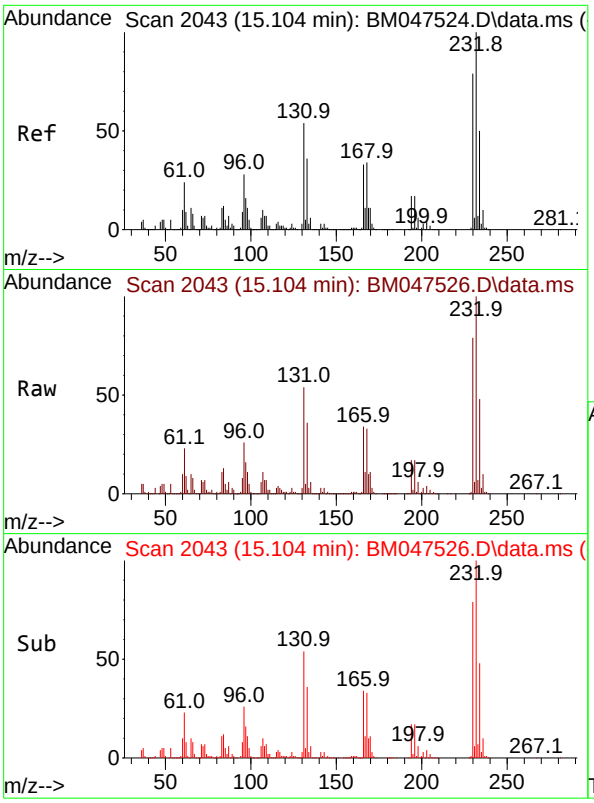



#58
Fluorene
Concen: 64.791 ng
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:166 Resp: 4952783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.6 | 117.8 |
| 167 | 13.4 | 10.7 | 16.1 |

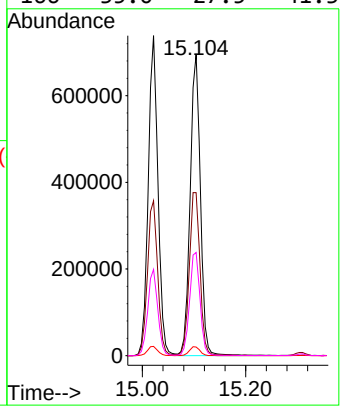





#59
2,3,4,6-Tetrachlorophenol
Concen: 64.671 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:232 Resp: 95498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 56.5 | 47.0 | 70.4 |
| 130 | 3.1 | 2.6 | 3.8 |
| 166 | 35.0 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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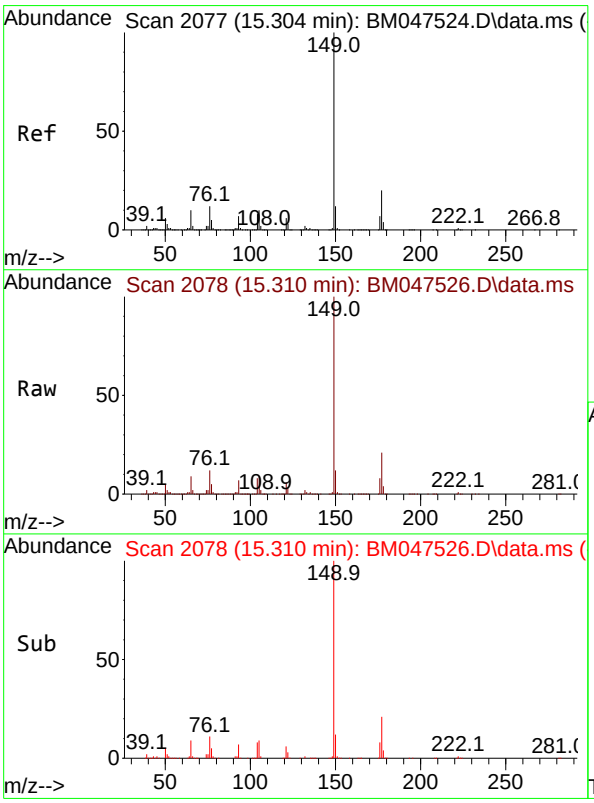
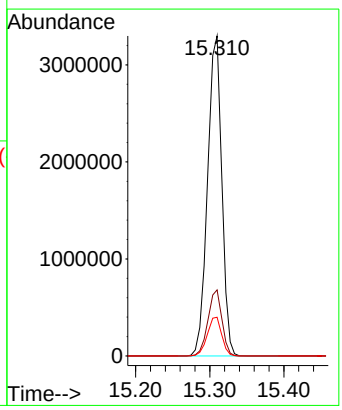
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

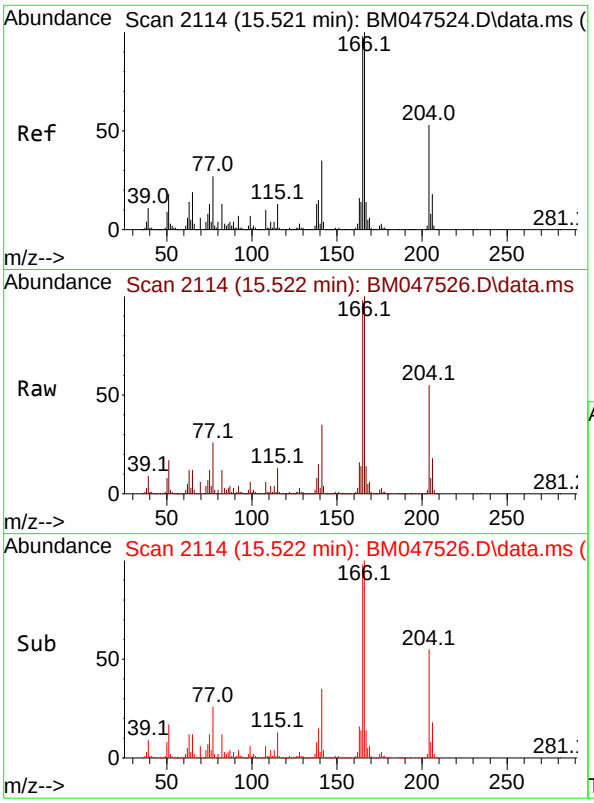



#60
Diethylphthalate
Concen: 61.427 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 4407420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.6 | 15.8 | 23.8 |
| 150 | 12.1 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 65.236 ng
RT: 15.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

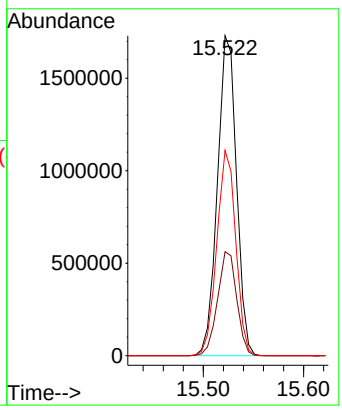
Tgt Ion:204 Resp: 228019

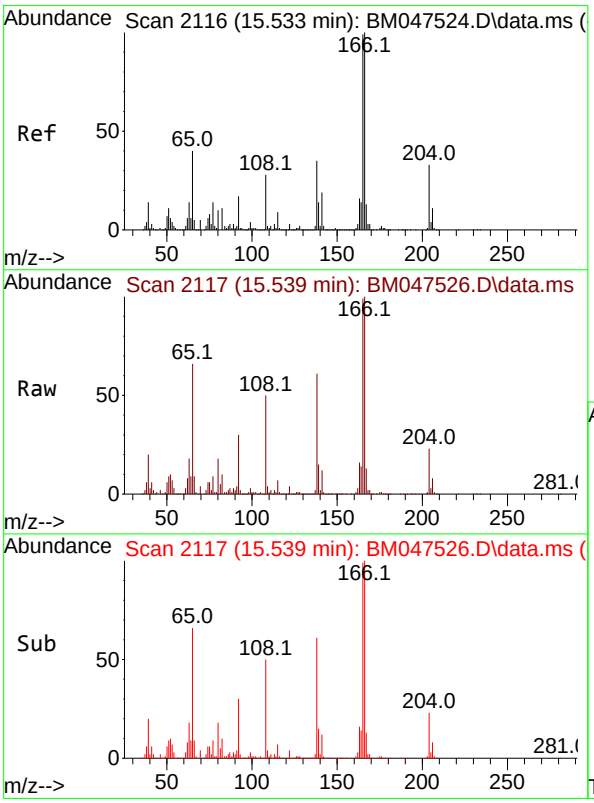
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 64.1 | 52.1 | 78.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

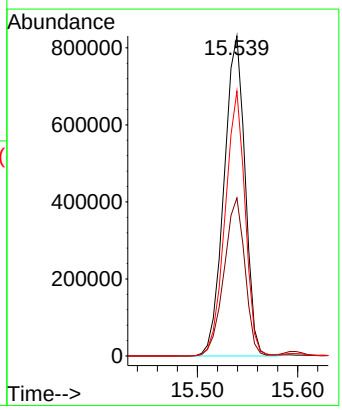


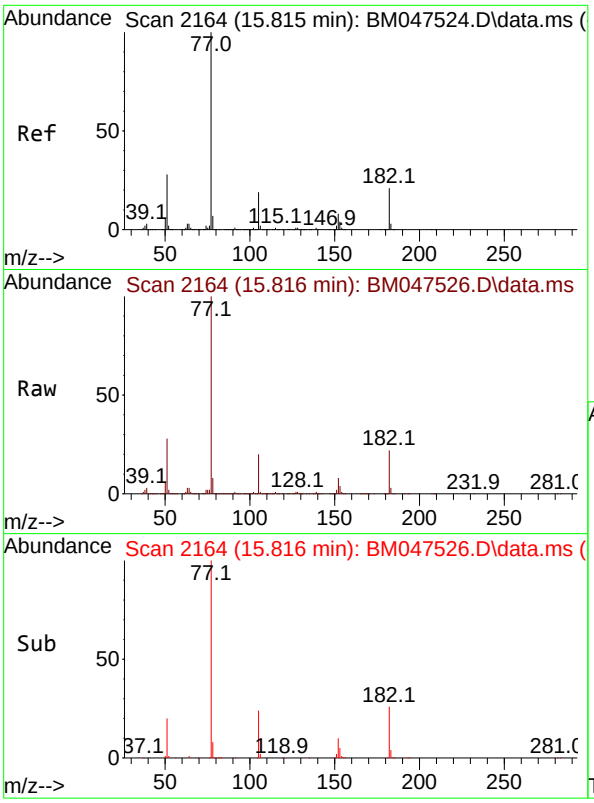




#62
4-Nitroaniline
Concen: 65.036 ng
RT: 15.539 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:138 Resp: 1209326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.4 | 30.0 | 70.0 |
| 108 | 82.7 | 61.7 | 101.7 |

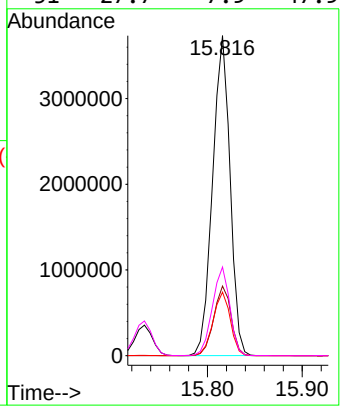





#63
Azobenzene
Concen: 60.394 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion: 77 Resp: 477137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 21.7 | 1.2 | 41.2 |
| 105 | 19.8 | 0.0 | 39.4 |
| 51 | 27.7 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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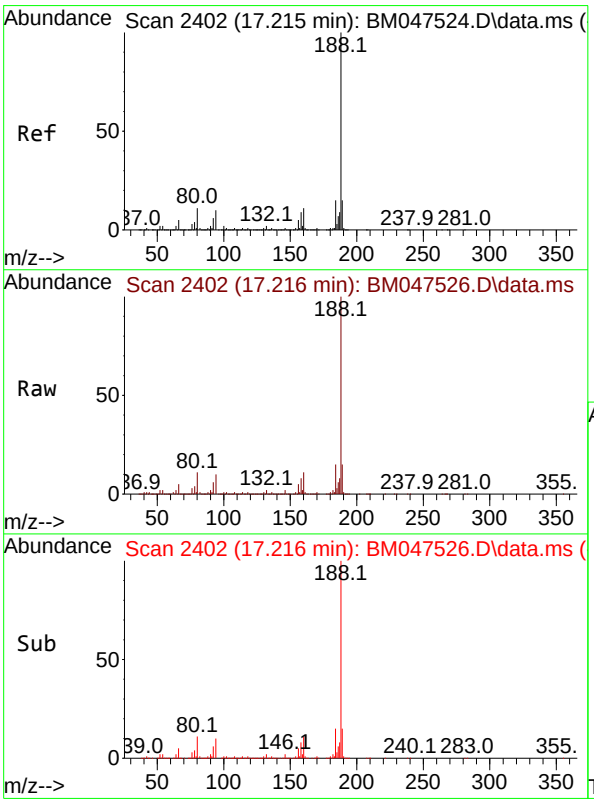
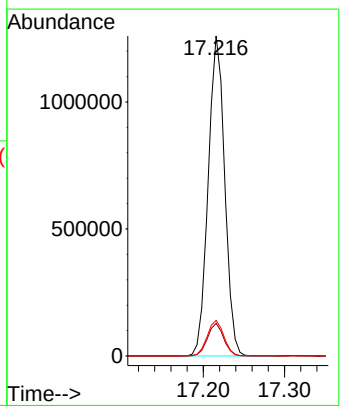
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

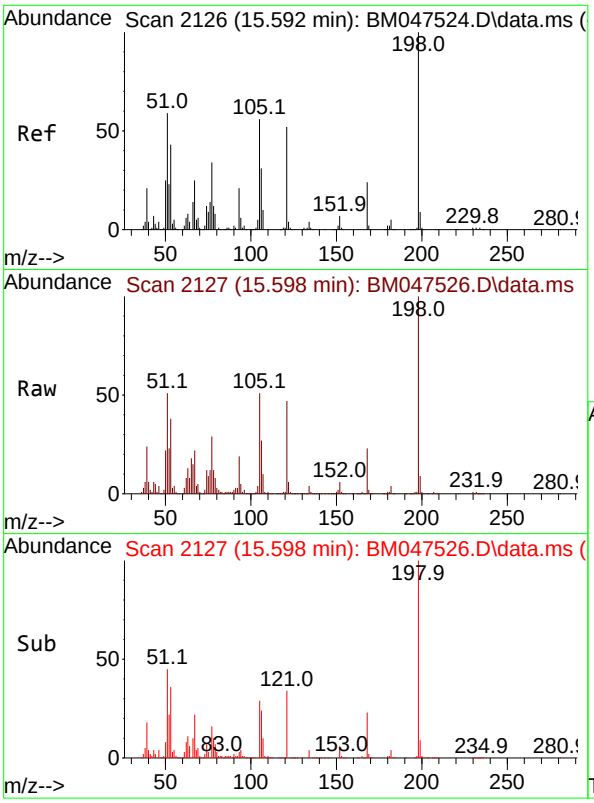



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:188 Resp: 1777314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.4 | 12.6 |
| 80 | 11.1 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 60.152 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:198 Resp: 56386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 51.4 | 41.5 | 81.5 |
| 105 | 50.7 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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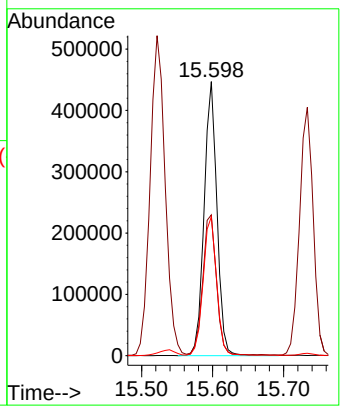
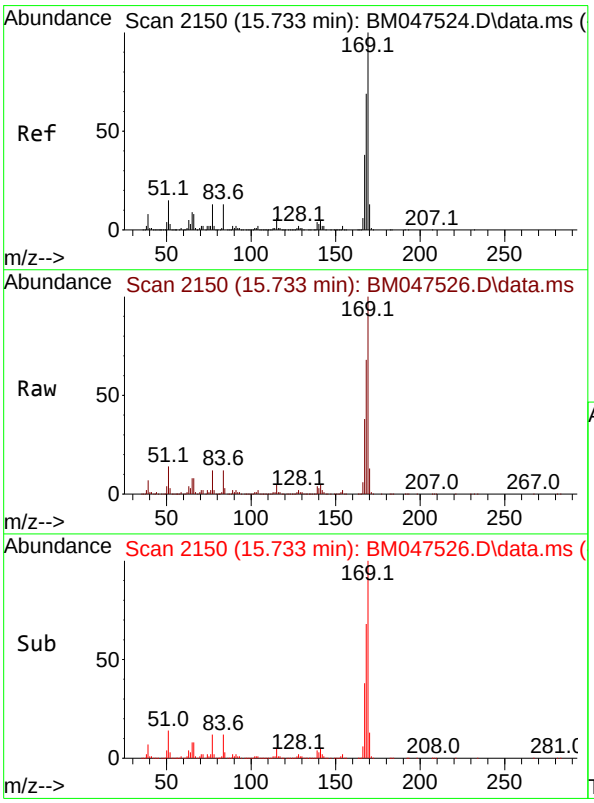
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

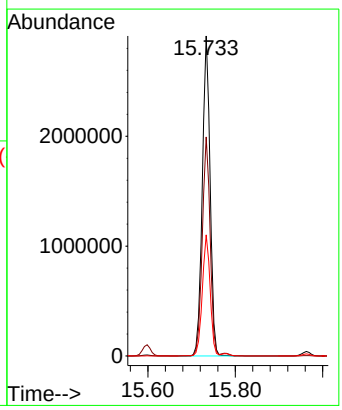


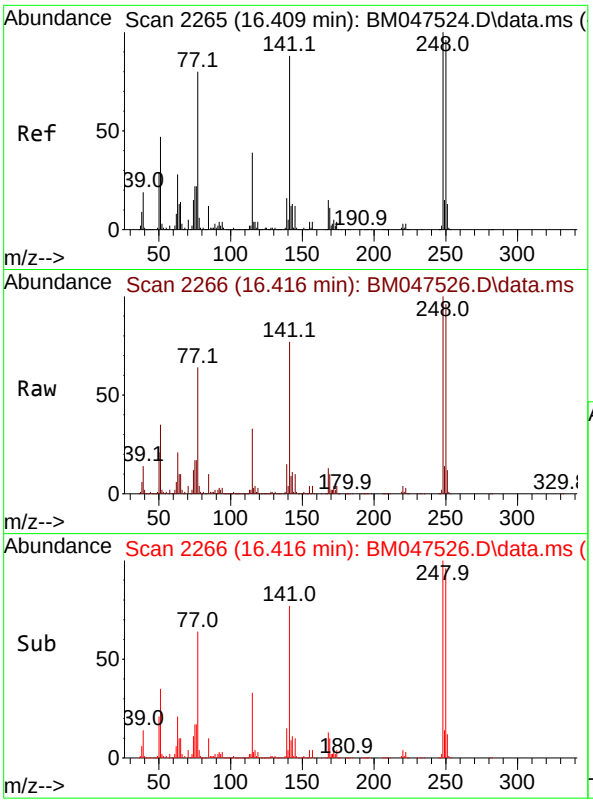




#66
n-Nitrosodiphenylamine
Concen: 66.434 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:169 Resp: 3612114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.5 | 55.3 | 82.9 |
| 167 | 37.8 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 67.430 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

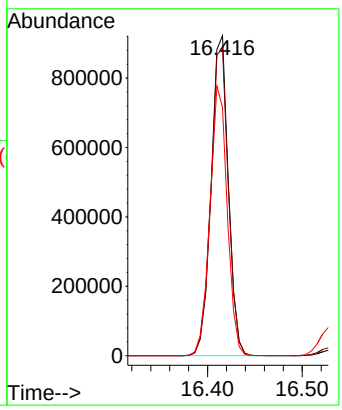
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

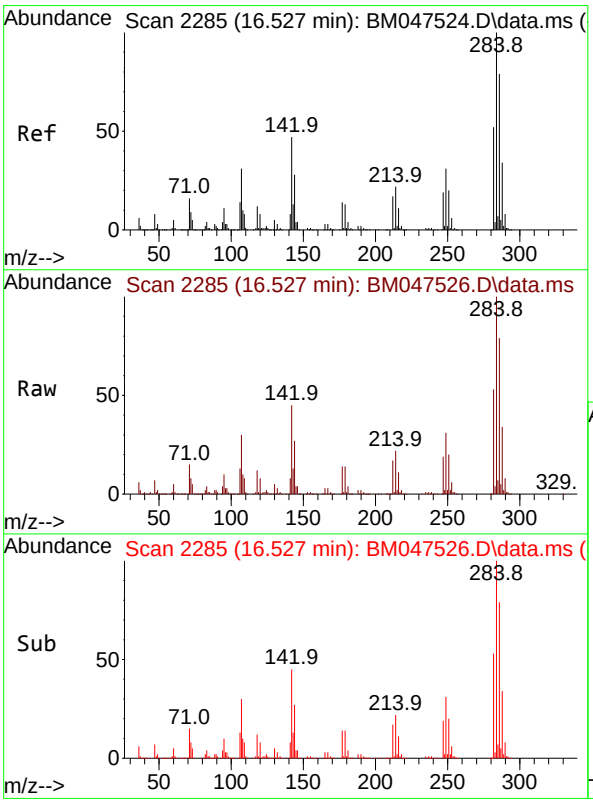
Tgt Ion:248 Resp: 116448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.0 | 76.9 | 115.3 |
| 141 | 77.5 | 70.8 | 106.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

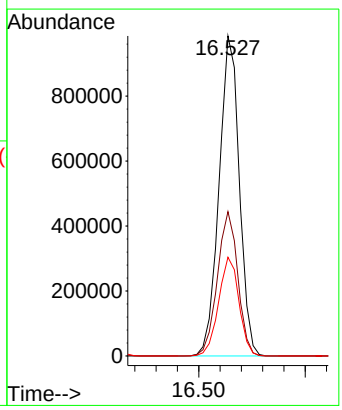


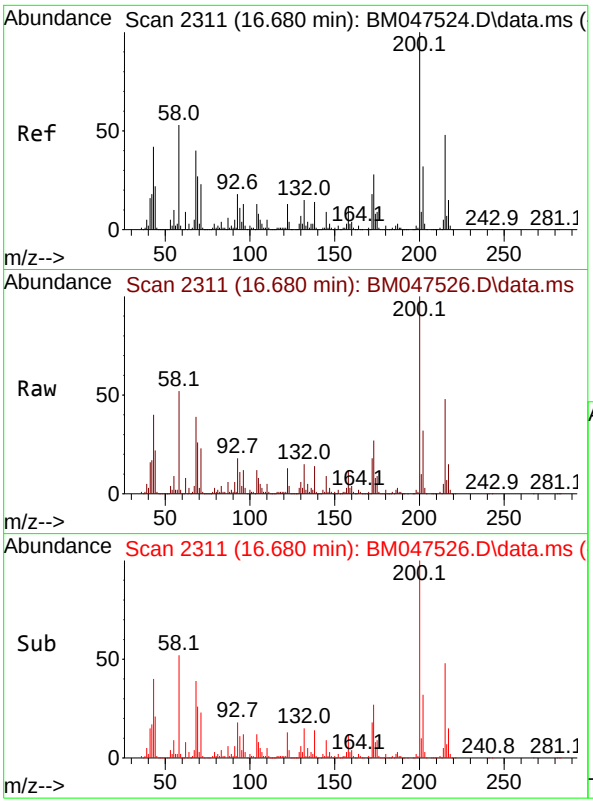




#68
Hexachlorobenzene
Concen: 66.357 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:284 Resp: 1298214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 45.1 | 37.3 | 55.9 |
| 249 | 30.9 | 24.5 | 36.7 |

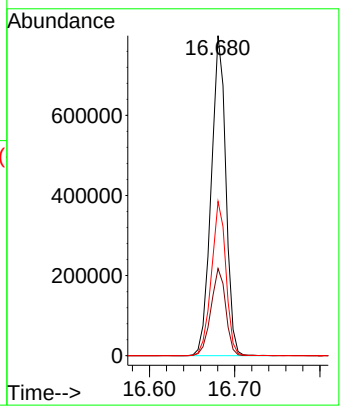





#69
Atrazine
Concen: 63.518 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:200 Resp: 95454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.2 | 7.7 | 47.7 |
| 215 | 48.2 | 27.9 | 67.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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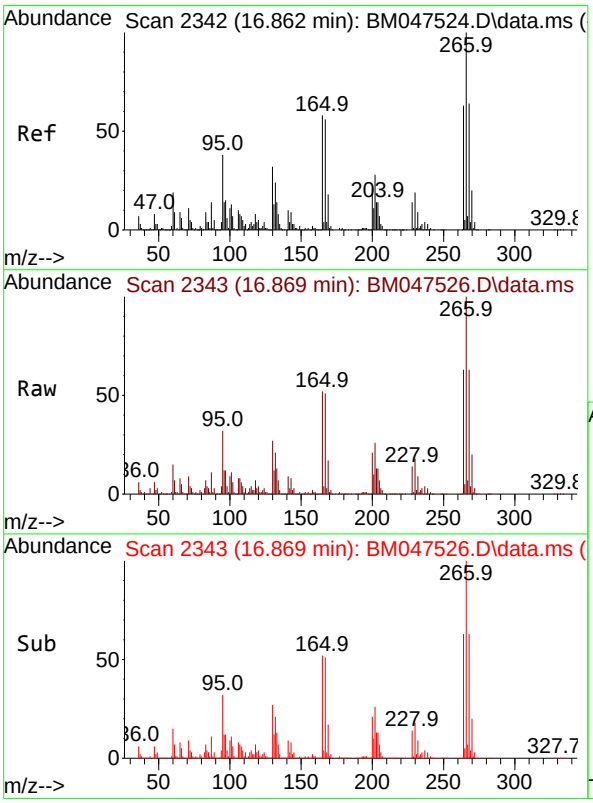
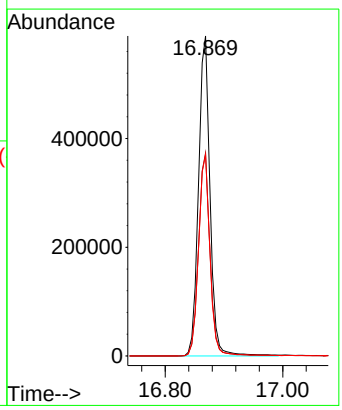
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

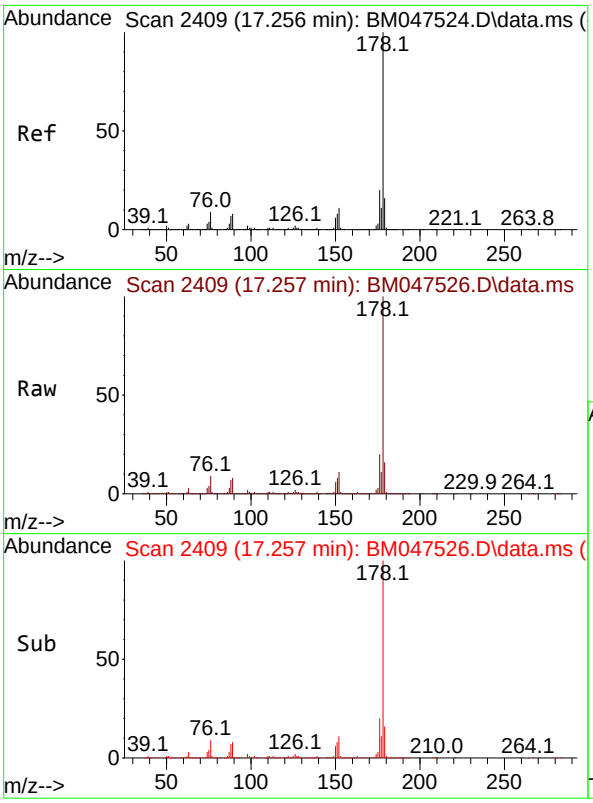



#70
Pentachlorophenol
Concen: 70.588 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:266 Resp: 800527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 51.0 | 76.4 |
| 264 | 63.0 | 50.4 | 75.6 |

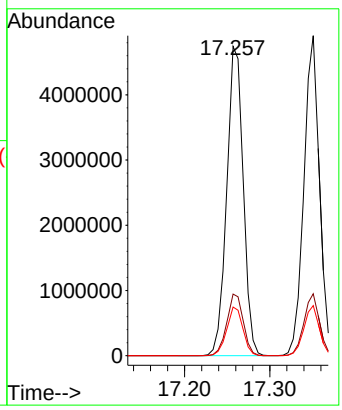





#71
Phenanthrene
Concen: 65.155 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:178 Resp: 638180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.0 | 24.0 |
| 179 | 15.7 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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Reviewed By :Yogesh Patel 09/16/2024
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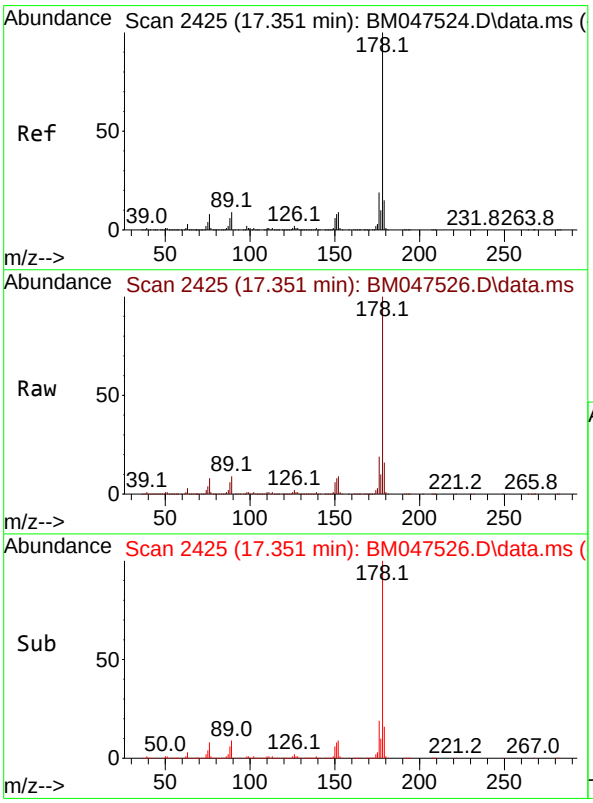
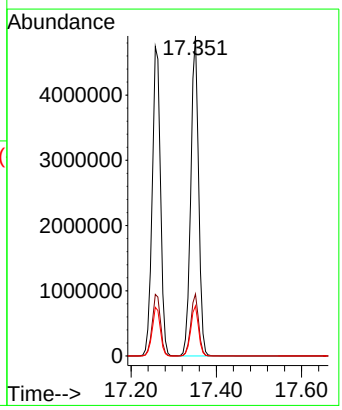
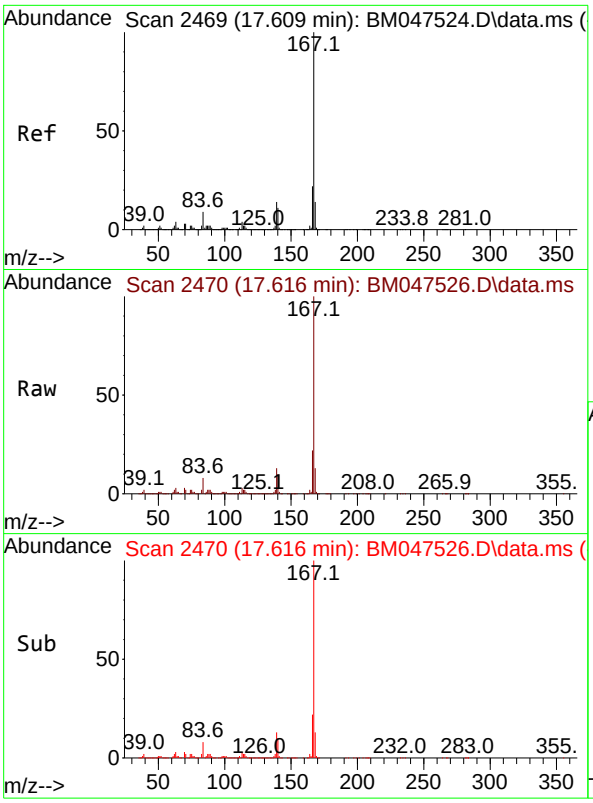



#72
Anthracene
Concen: 66.223 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:178 Resp: 6231891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.6 | 12.3 | 18.5 |






#73
Carbazole
Concen: 64.390 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:167 Resp: 600496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.8 | 26.8 |
| 139 | 13.4 | 11.0 | 16.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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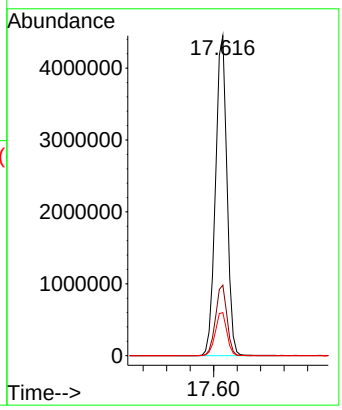
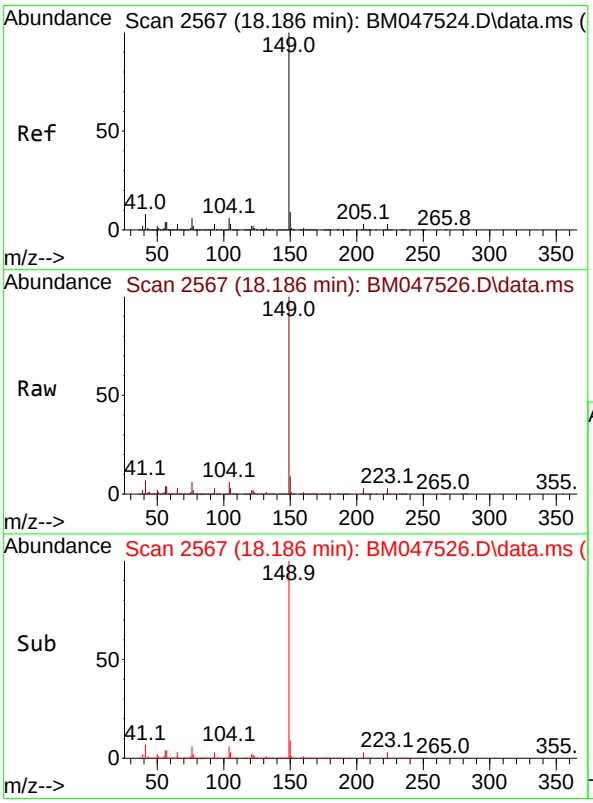
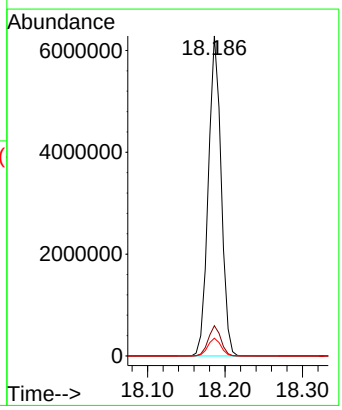


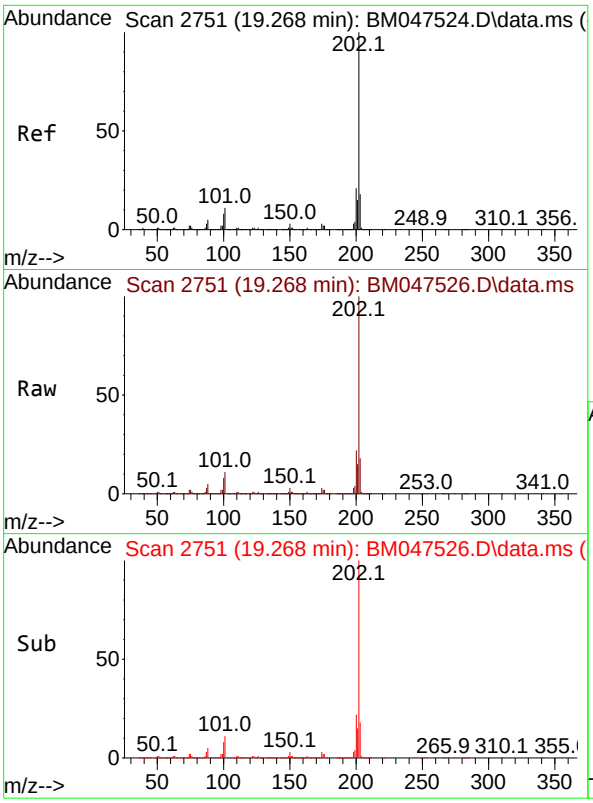




#74
Di-n-butylphthalate
Concen: 64.583 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 7206516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.4 | 11.2 |
| 104 | 5.6 | 4.6 | 6.8 |






#75
Fluoranthene
Concen: 64.019 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:202 Resp: 684147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 30.8 |
| 203 | 17.7 | 0.0 | 37.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

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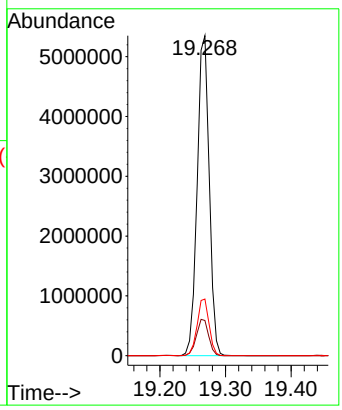
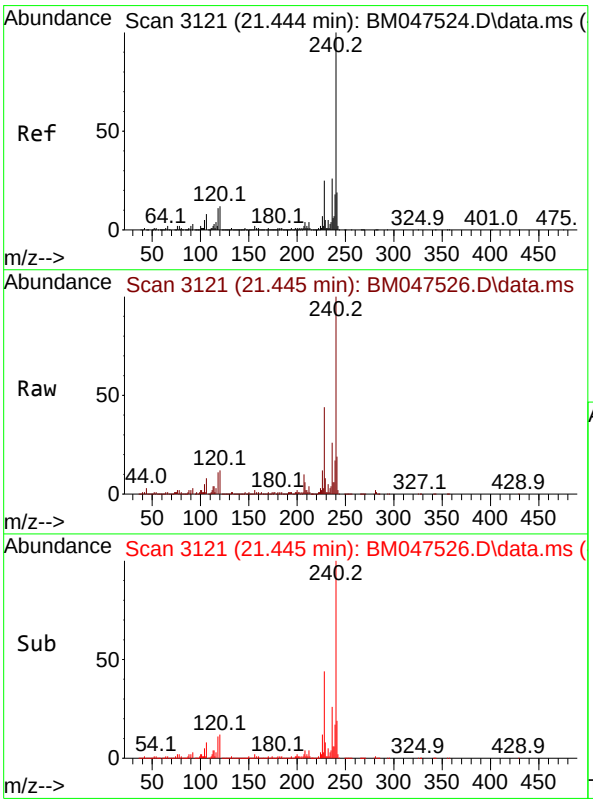
Supervised By :mohammad ahmed 09/17/2024

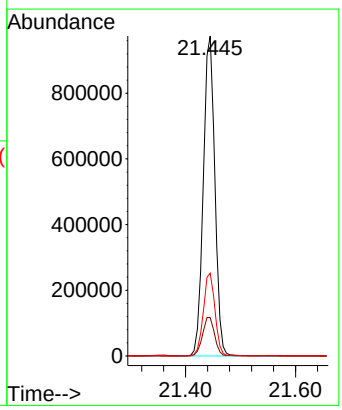


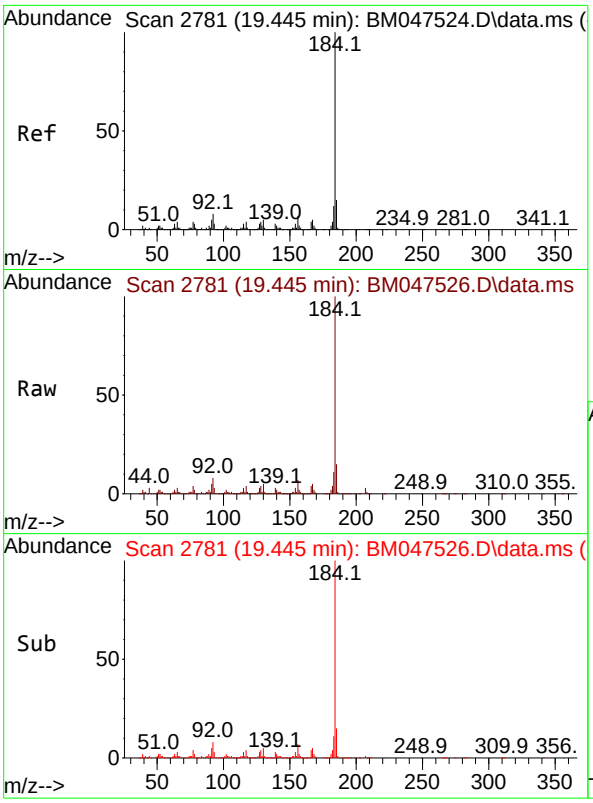




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:240 Resp: 1418749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 9.6 | 14.4 |
| 236 | 25.8 | 20.9 | 31.3 |

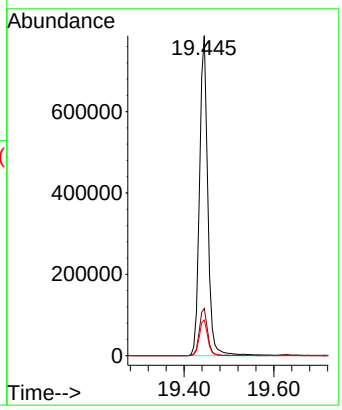





#77
Benzidine
Concen: 50.257 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:184 Resp: 100419

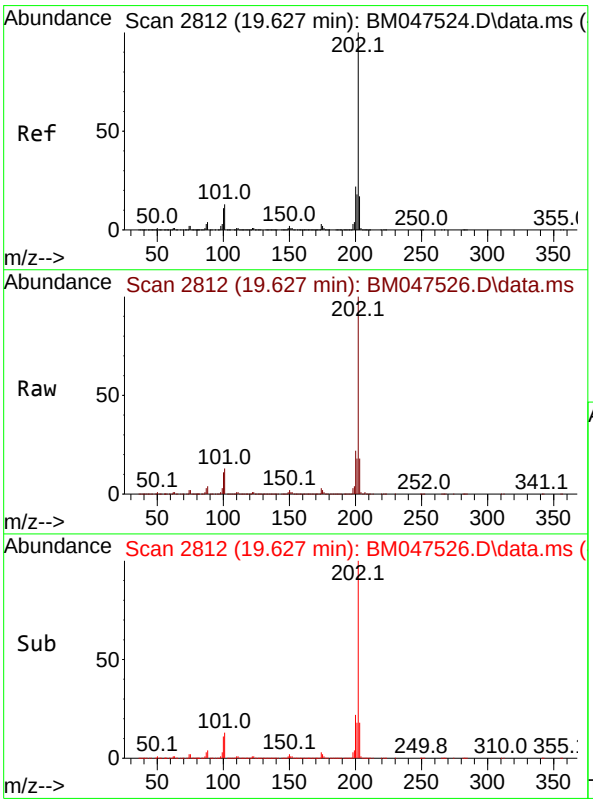
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 12.2 | 18.2 |
| 183 | 11.2 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

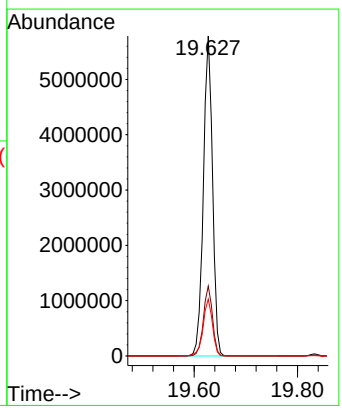
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

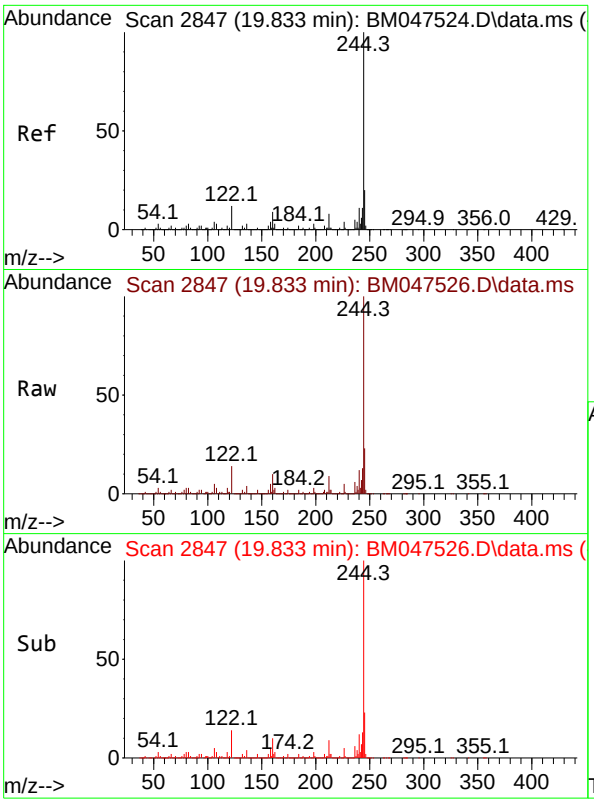



#78
Pyrene
Concen: 68.749 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:202 Resp: 7114617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.2 | 25.8 |
| 203 | 17.7 | 14.0 | 21.0 |

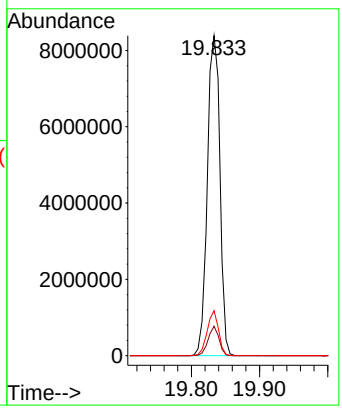





#79
Terphenyl-d14
Concen: 135.674 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:244 Resp:1074184

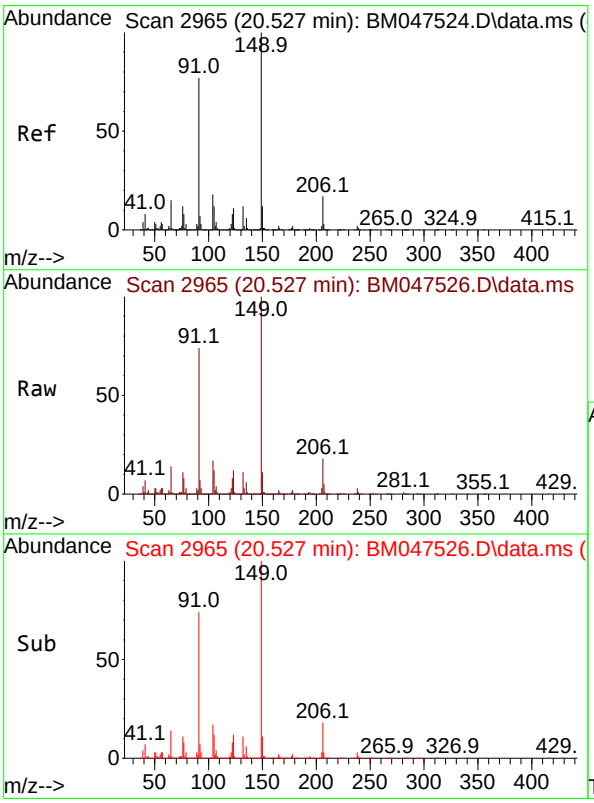
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.2 | 6.2 | 9.2 |
| 122 | 14.1 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

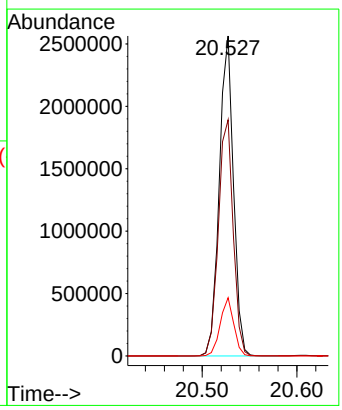
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

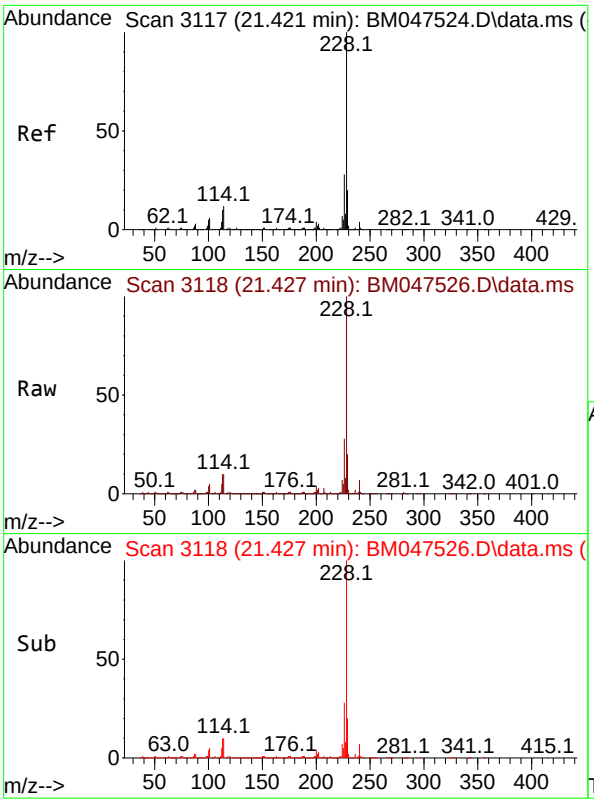



#80
Butylbenzylphthalate
Concen: 66.961 ng
RT: 20.527 min Scan# 2965
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 2667582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.8 | 62.0 | 93.0 |
| 206 | 18.2 | 13.8 | 20.8 |

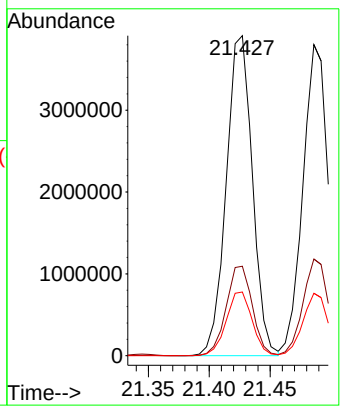





#81
Benzo(a)anthracene
Concen: 63.261 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 584998

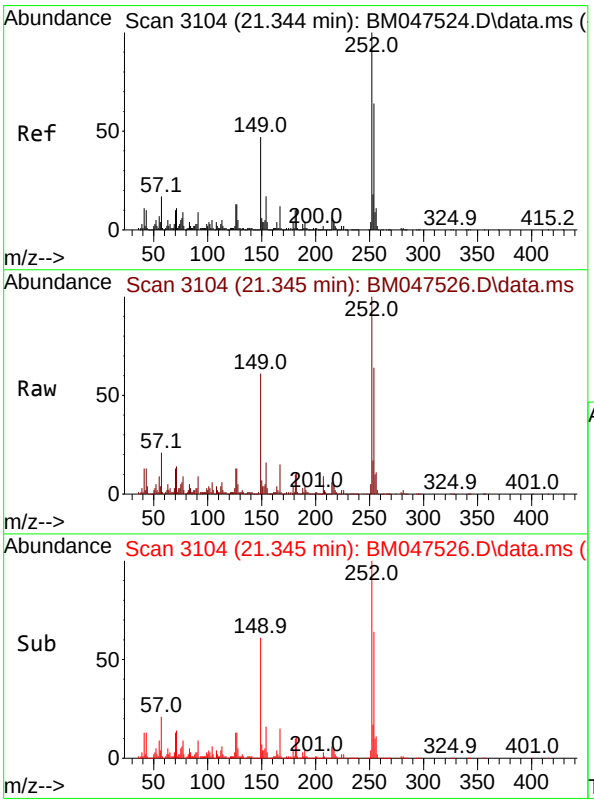
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 22.4 | 33.6 |
| 229 | 19.9 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

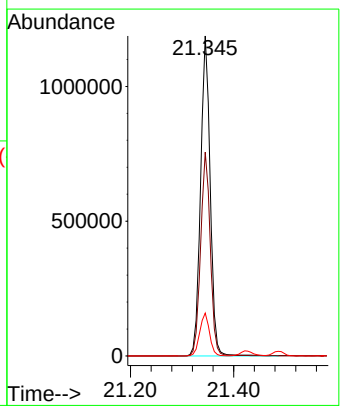
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

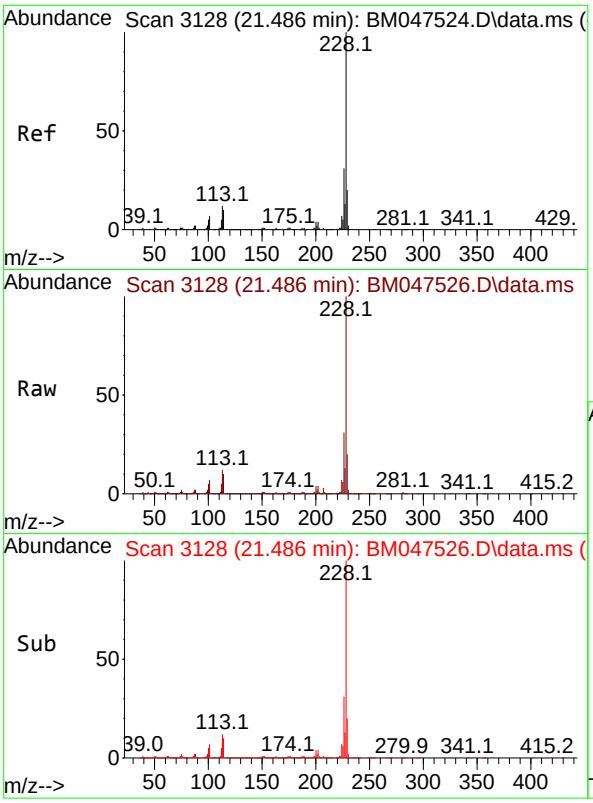



#82
3,3'-Dichlorobenzidine
Concen: 62.240 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 1531051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.7 | 51.5 | 77.3 |
| 126 | 13.4 | 10.3 | 15.5 |

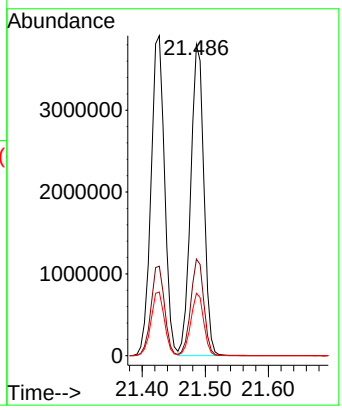





#83
Chrysene
Concen: 62.898 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:228 Resp: 550156

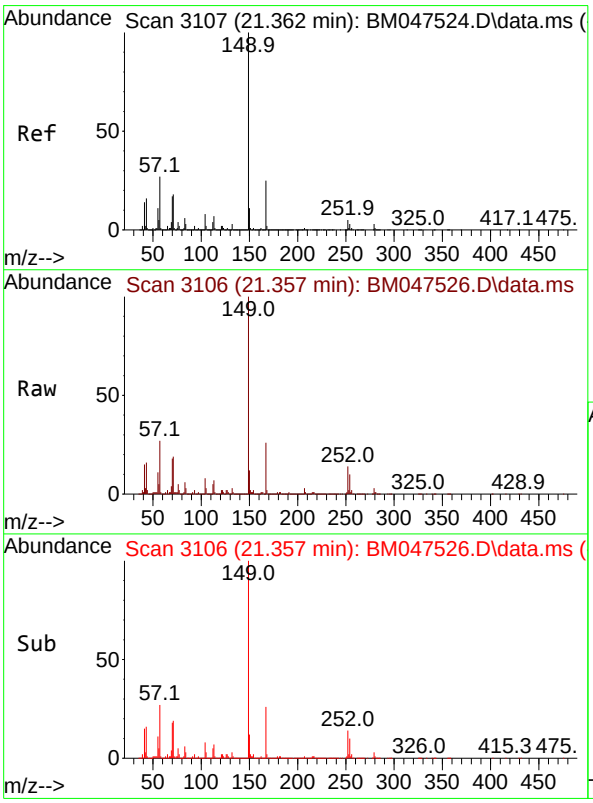
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 25.0 | 37.6 |
| 229 | 20.0 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

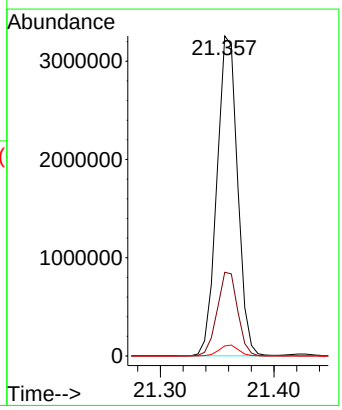
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

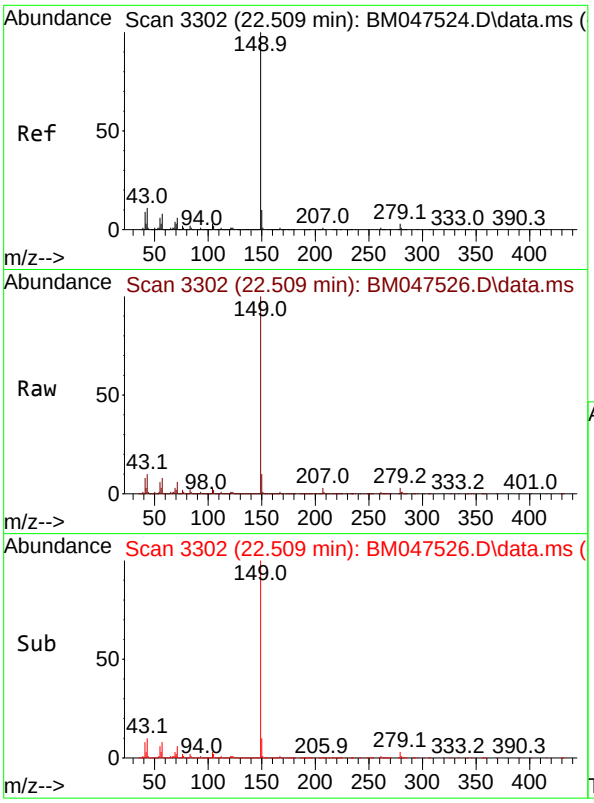



#84
Bis(2-ethylhexyl)phthalate
Concen: 66.107 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:149 Resp: 4125584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.2 | 20.2 | 30.4 |
| 279 | 3.1 | 2.6 | 4.0 |






#85
Di-n-octyl phthalate
Concen: 67.112 ng
RT: 22.509 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

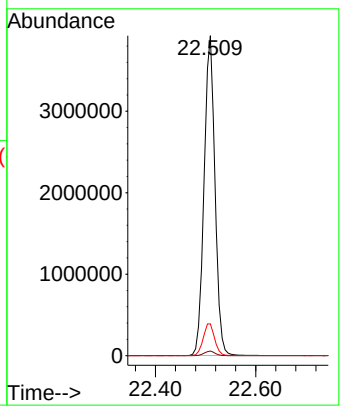
Tgt Ion:149 Resp: 592430

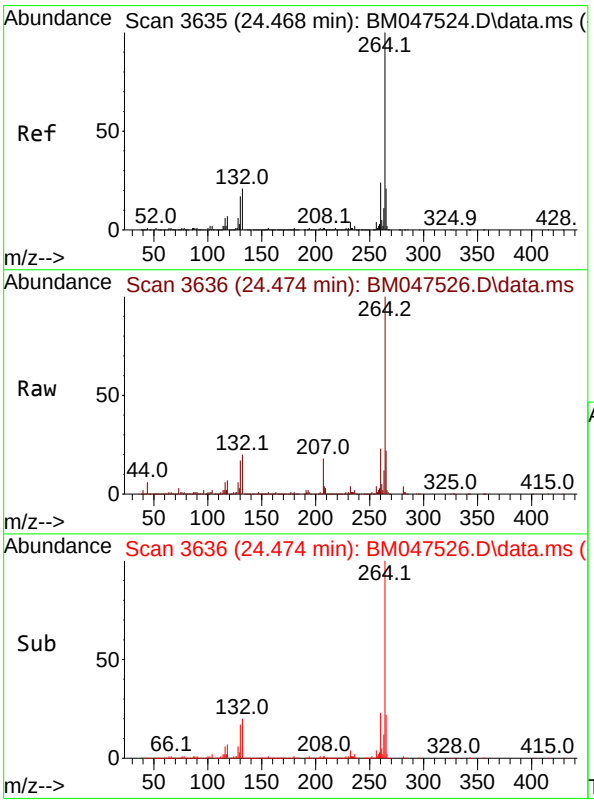
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 10.5 | 8.9 | 13.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

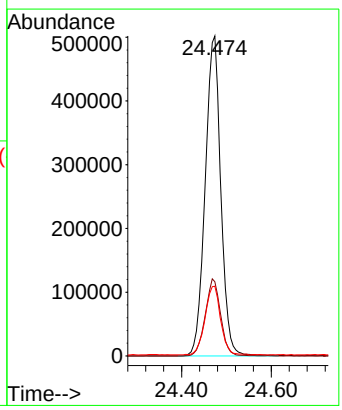


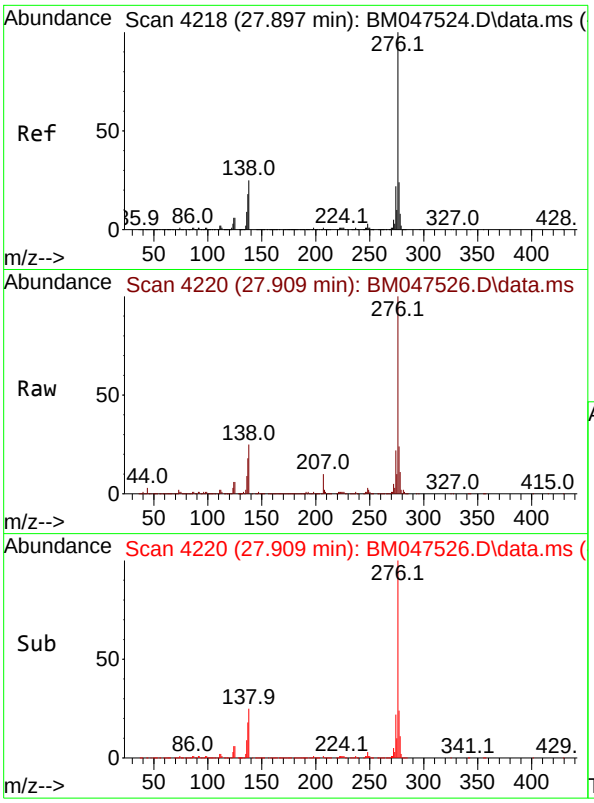




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3636
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:264 Resp: 1211205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.9 | 28.3 |
| 265 | 21.8 | 17.4 | 26.2 |

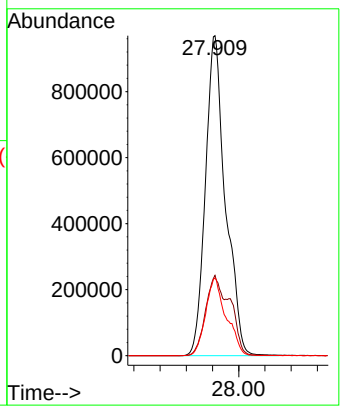





#87
Indeno(1,2,3-cd)pyrene
Concen: 71.030 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 514854

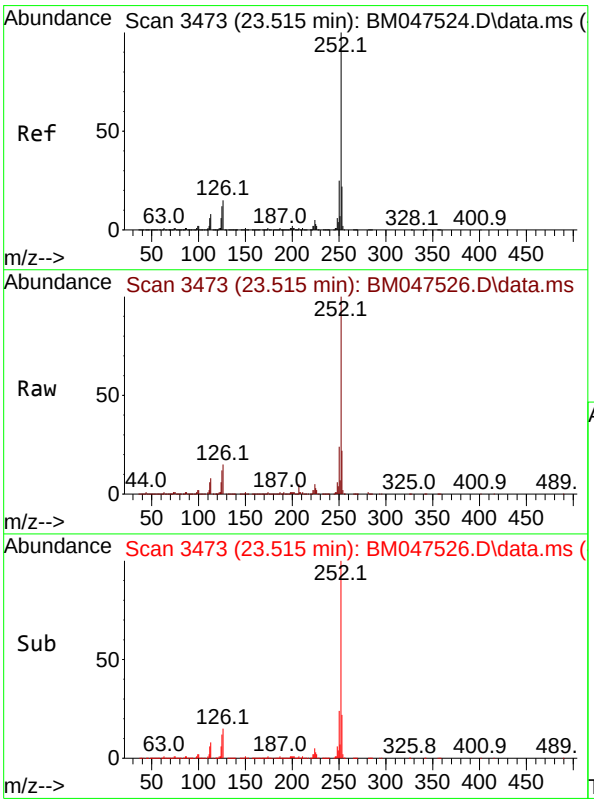
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 25.0 | 37.6 |
| 277 | 25.1 | 20.1 | 30.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

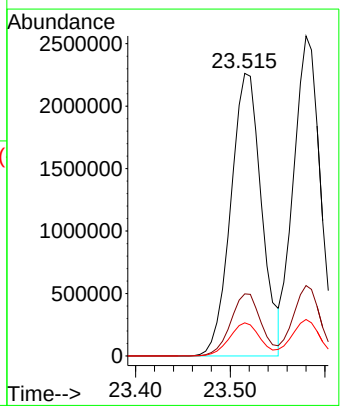
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

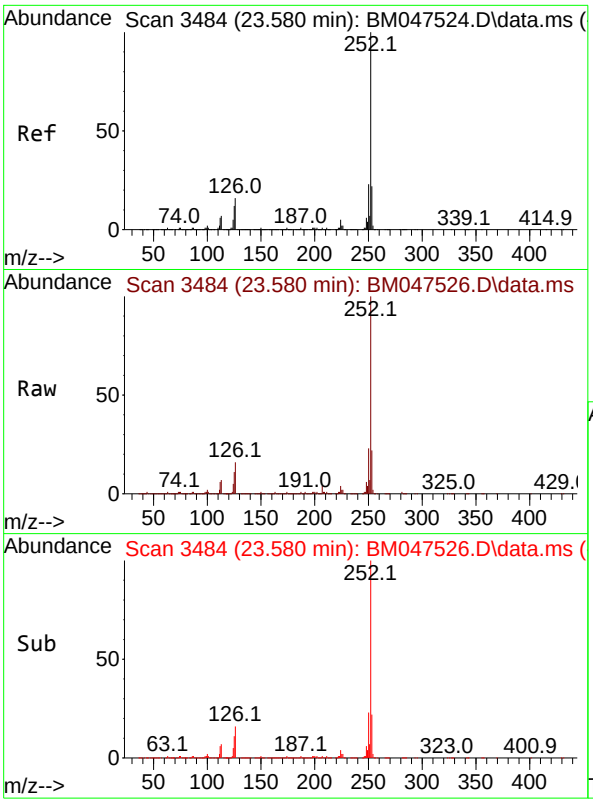



#88
Benzo(b)fluoranthene
Concen: 65.235 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 5112237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.8 |
| 125 | 11.7 | 9.5 | 14.3 |






#89
Benzo(k)fluoranthene
Concen: 64.715 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

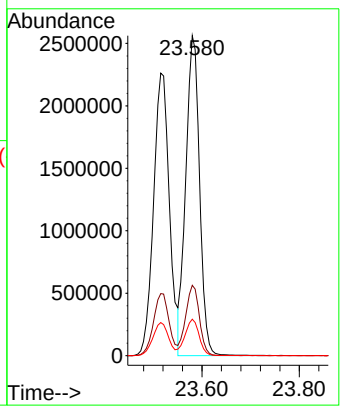
Tgt Ion:252 Resp: 502624

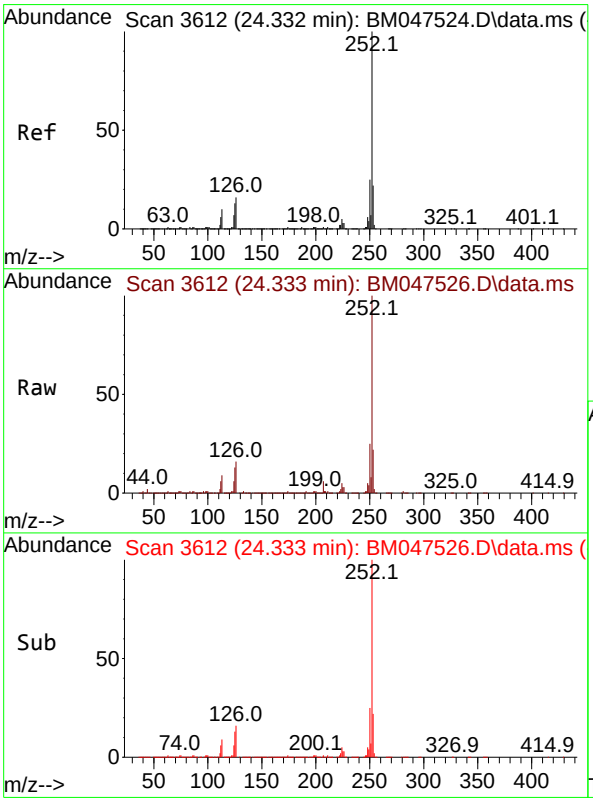
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 11.4 | 9.5 | 14.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

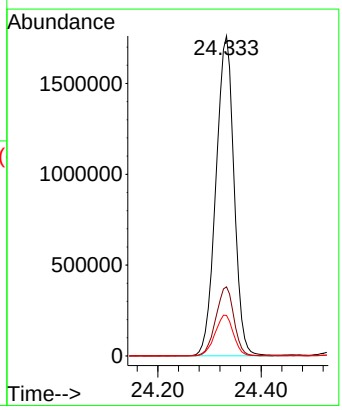


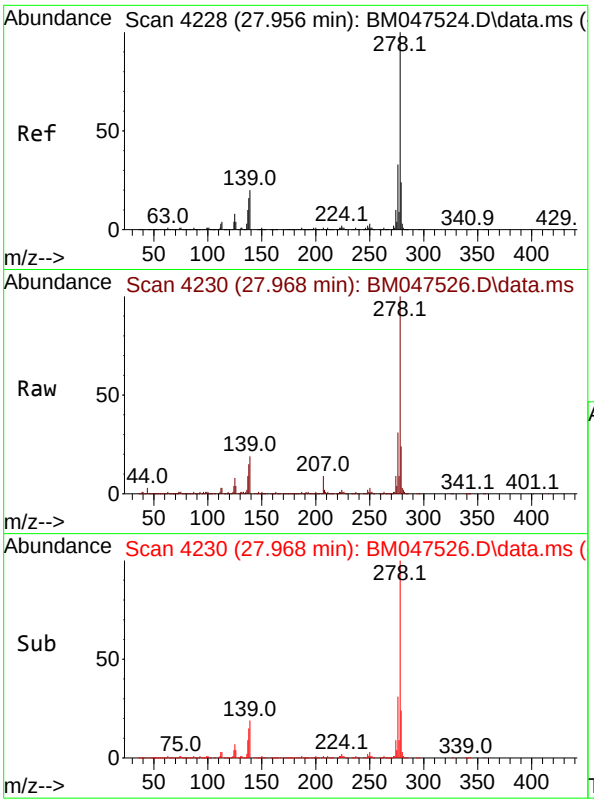




#90
Benzo(a)pyrene
Concen: 66.577 ng
RT: 24.333 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:252 Resp: 4276255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.7 | 26.5 |
| 125 | 12.7 | 10.2 | 15.4 |

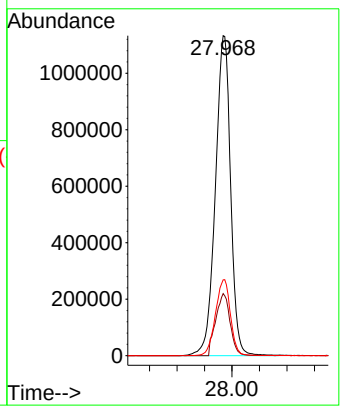





#91
Dibenzo(a,h)anthracene
Concen: 71.370 ng
RT: 27.968 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:278 Resp: 435246

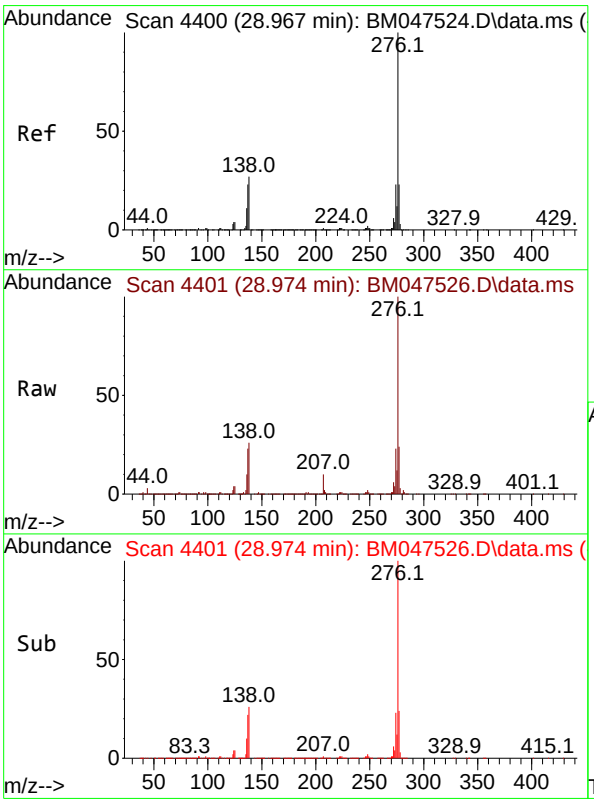
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.4 | 15.9 | 23.9 |
| 279 | 23.7 | 19.3 | 28.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

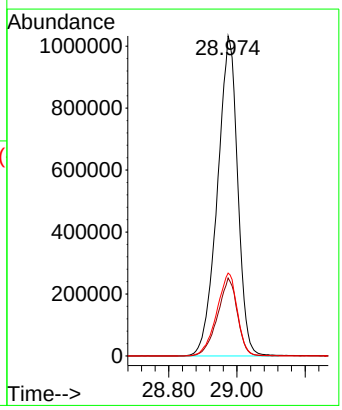
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




#92
Benzo(g,h,i)perylene
Concen: 71.434 ng
RT: 28.974 min Scan# 4401
Delta R.T. 0.006 min
Lab File: BM047526.D
Acq: 14 Sep 2024 15:54

Tgt Ion:276 Resp: 4255468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 18.6 | 28.0 |
| 138 | 25.9 | 21.5 | 32.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 404285 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.651 | 136 | 1796687 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.486 | 164 | 1057761 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 2067717 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.445 | 240 | 1942846 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.474 | 264 | 1576393 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 4271874 | 168.242 | ng | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 6162085 | 172.327 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.010 | 82 | 5790861 | 161.302 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.969 | 330 | 1999370 | 195.553 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.110 | 172 | 12747745 | 166.014 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.827 | 244 | 13800852 | 127.289 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 813015 | 74.756 | ng | 98 |
| 3) Pyridine | 3.716 | 79 | 2567963m | 79.346 | ng | |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 1142344 | 77.774 | ng | 99 |
| 6) Aniline | 7.181 | 93 | 2567465 | 80.988 | ng | 99 |
| 8) 2-Chlorophenol | 7.416 | 128 | 2324724 | 83.052 | ng | 98 |
| 9) Benzaldehyde | 6.987 | 77 | 1038190 | 61.060 | ng | 98 |
| 10) Phenol | 7.046 | 94 | 3007878 | 84.009 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 7.275 | 93 | 2286948 | 79.561 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 2435858 | 79.505 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 2498023 | 80.050 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 2491331 | 81.123 | ng | 99 |
| 15) Benzyl Alcohol | 8.093 | 79 | 2057266 | 84.936 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.387 | 45 | 3052483 | 75.492 | ng | 99 |
| 17) 2-Methylphenol | 8.293 | 107 | 1903443 | 83.218 | ng | 97 |
| 18) Hexachloroethane | 8.940 | 117 | 977874 | 78.443 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 1992320 | 82.637 | ng | 97 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 2684322 | 84.108 | ng | 99 |
| 22) Acetophenone | 8.675 | 105 | 3824012 | 80.956 | ng | 98 |
| 24) Nitrobenzene | 9.051 | 77 | 2892211 | 78.400 | ng | 98 |
| 25) Isophorone | 9.581 | 82 | 5147890 | 81.564 | ng | 98 |
| 26) 2-Nitrophenol | 9.757 | 139 | 1178242 | 93.728 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.822 | 122 | 1580029 | 82.915 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93 | 3159251 | 79.689 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.293 | 162 | 2120521 | 87.588 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 2299410 | 82.914 | ng | 98 |
| 31) Naphthalene | 10.698 | 128 | 7931552 | 81.739 | ng | 99 |
| 32) Benzoic acid | 10.010 | 122 | 1633674 | 81.568 | ng | 99 |
| 33) 4-Chloroaniline | 10.804 | 127 | 2895334 | 82.527 | ng | 99 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 1253407 | 81.599 | ng | 99 |
| 35) Caprolactam | 11.610 | 113 | 713610m | 89.483 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.928 | 107 | 2422201 | 87.301 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.310 | 142 | 5533461 | 85.681 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.528 | 142 | 5458215 | 85.045 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.681 | 216 | 2478282 | 86.585 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 767897 | 82.067 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.916 | 196 | 1608158 | 89.682 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.986 | 196 | 1807737 | 89.254 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.322 | 154 | 6900085 | 83.841 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.363 | 162 | 5299327 | 82.926 | ng | 100 |
| 48) 2-Nitroaniline | 13.557 | 65 | 1636291 | 87.177 | ng | 95 |
| 49) Acenaphthylene | 14.204 | 152 | 7902521 | 85.694 | ng | 99 |
| 50) Dimethylphthalate | 13.951 | 163 | 6053832 | 83.970 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 1339809 | 88.032 | ng | 96 |
| 52) Acenaphthene | 14.551 | 154 | 5646673 | 87.391 | ng | 98 |
| 53) 3-Nitroaniline | 14.386 | 138 | 1507991 | 89.143 | ng | 92 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 687253 | 80.155 | ng | 88 |
| 55) Dibenzofuran | 14.880 | 168 | 7658287 | 84.345 | ng | 99 |
| 56) 4-Nitrophenol | 14.686 | 139 | 1275528 | 91.631 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 1862347 | 91.750 | ng | 95 |
| 58) Fluorene | 15.527 | 166 | 6958364 | 85.121 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 1418100 | 89.803 | ng | 98 |
| 60) Diethylphthalate | 15.310 | 149 | 6548466 | 85.346 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.527 | 204 | 3240239 | 86.689 | ng | 96 |
| 62) 4-Nitroaniline | 15.545 | 138 | 1774673 | 89.247 | ng | 99 |
| 63) Azobenzene | 15.816 | 77 | 6753769 | 79.939 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 930135 | 82.293 | ng | 86 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 5343062 | 84.468 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.416 | 248 | 1776087 | 88.401 | ng | 96 |
| 68) Hexachlorobenzene | 16.533 | 284 | 1973858 | 86.722 | ng | 95 |
| 69) Atrazine | 16.686 | 200 | 1491993 | 85.338 | ng | 99 |
| 70) Pentachlorophenol | 16.869 | 266 | 1295032 | 98.154 | ng | 100 |
| 71) Phenanthrene | 17.263 | 178 | 9619666 | 84.419 | ng | 99 |
| 72) Anthracene | 17.351 | 178 | 9345063 | 85.358 | ng | 98 |
| 73) Carbazole | 17.616 | 167 | 9447268 | 87.074 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 11171302 | 86.054 | ng | 96 |
| 75) Fluoranthene | 19.268 | 202 | 11144442 | 89.637 | ng | 95 |
| 78) Pyrene | 19.627 | 202 | 11546013 | 81.473 | ng | 94 |
| 80) Butylbenzylphthalate | 20.527 | 149 | 5169435 | 94.758 | ng | 94 |
| 81) Benzo(a)anthracene | 21.427 | 228 | 10436413 | 82.413 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.351 | 252 | 2865589 | 85.067 | ng | 99 |
| 83) Chrysene | 21.492 | 228 | 9790429 | 81.737 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.362 | 149 | 8042940 | 94.112 | ng | 97 |
| 85) Di-n-octyl phthalate | 22.509 | 149 | 12044470 | 99.636 | ng | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 27.915 | 276 | 7774612 | 82.411 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.521 | 252 | 9031581 | 88.549 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.586 | 252 | 8979117 | 88.828 | ng | 99 |
| 90) Benzo(a)pyrene | 24.339 | 252 | 7381766 | 88.303 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.980 | 278 | 6673296 | 84.077 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 28.985 | 276 | 6230387 | 80.358 | ng | 99 |

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

ICAL Form

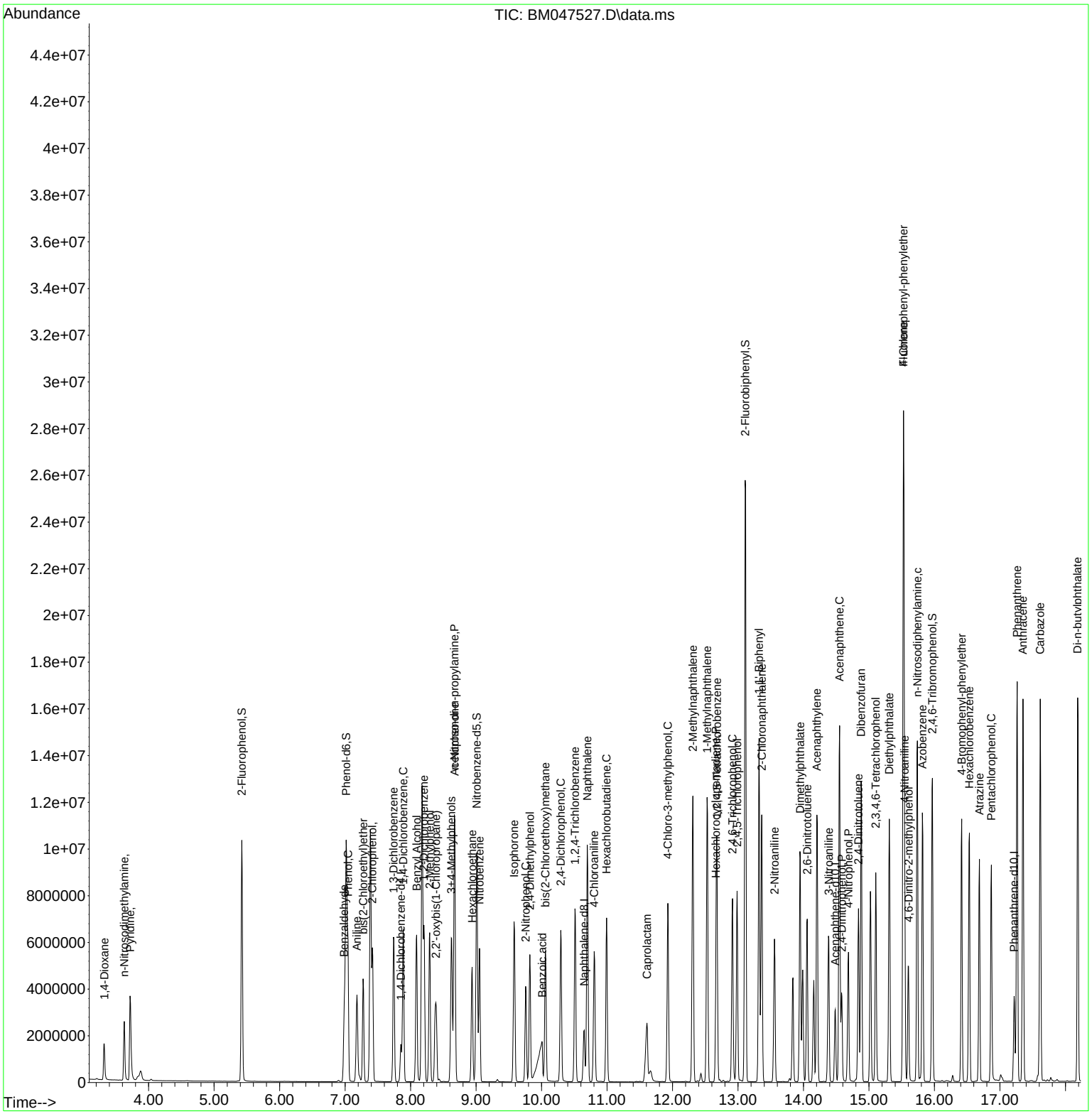
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047527.D
Acq On : 14 Sep 2024 16:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 15 08:51:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:43:20 2024
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**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
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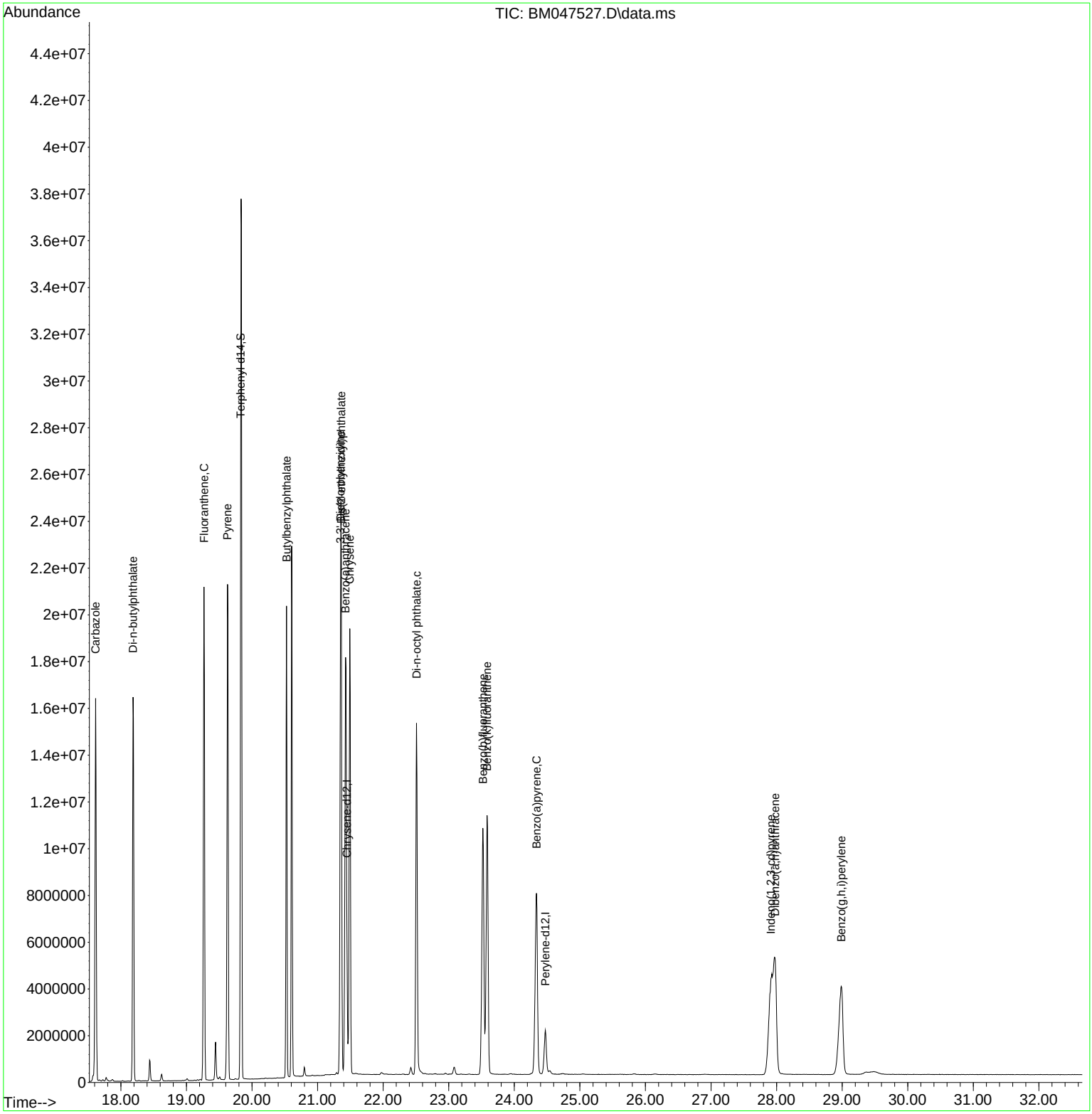
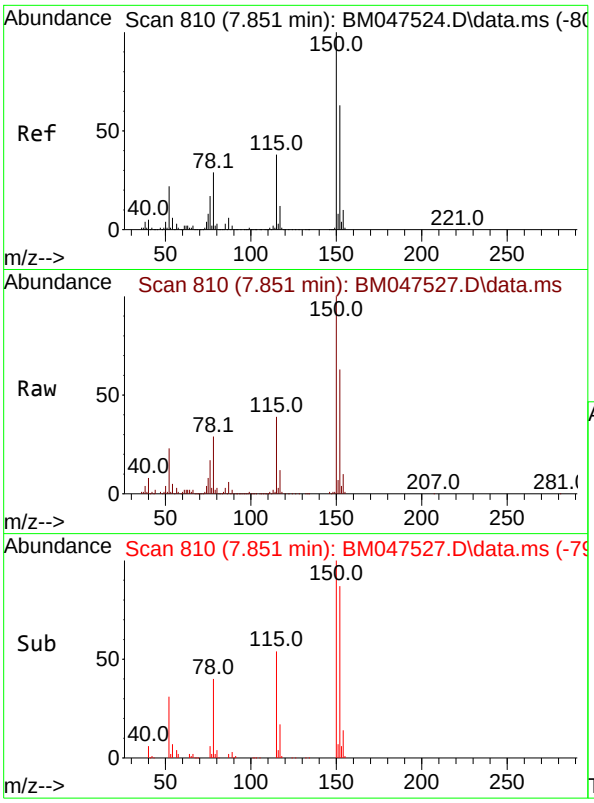
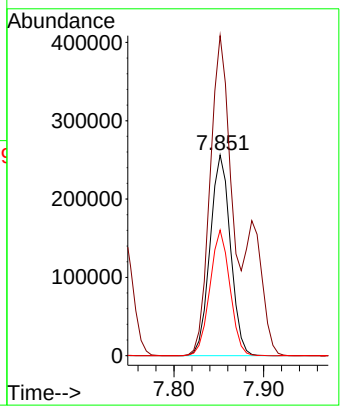





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:152 Resp: 40428

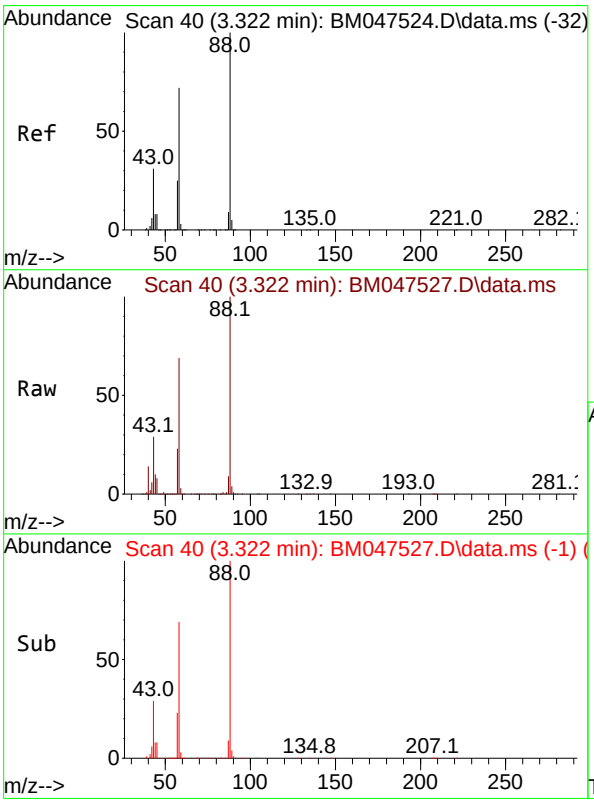
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.5 | 126.8 | 190.2 |
| 115 | 62.6 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

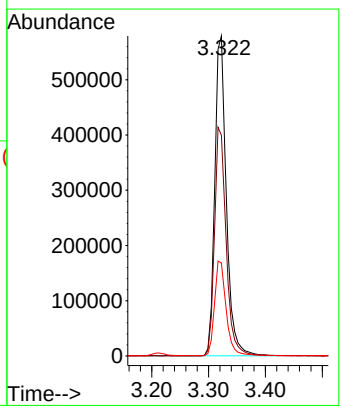
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

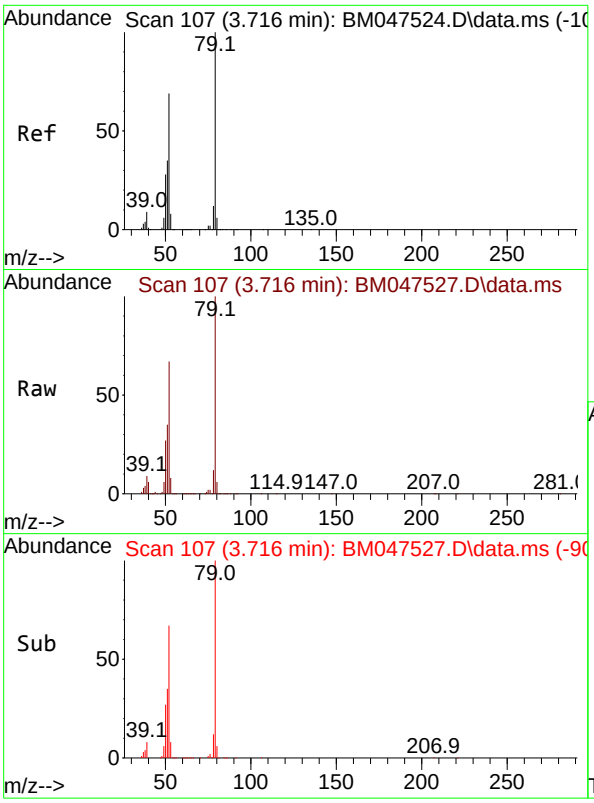



#2
1,4-Dioxane
Concen: 74.756 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 88 Resp: 813015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.5 | 59.0 | 88.6 |
| 43 | 29.9 | 25.0 | 37.4 |

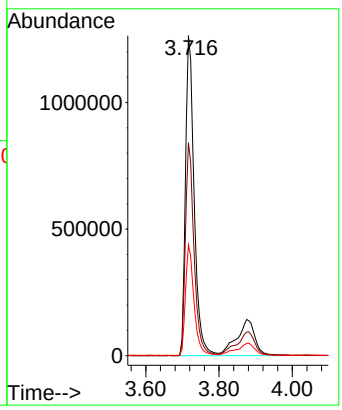





#3
Pyridine
Concen: 79.346 ng m
RT: 3.716 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 79 Resp: 256796

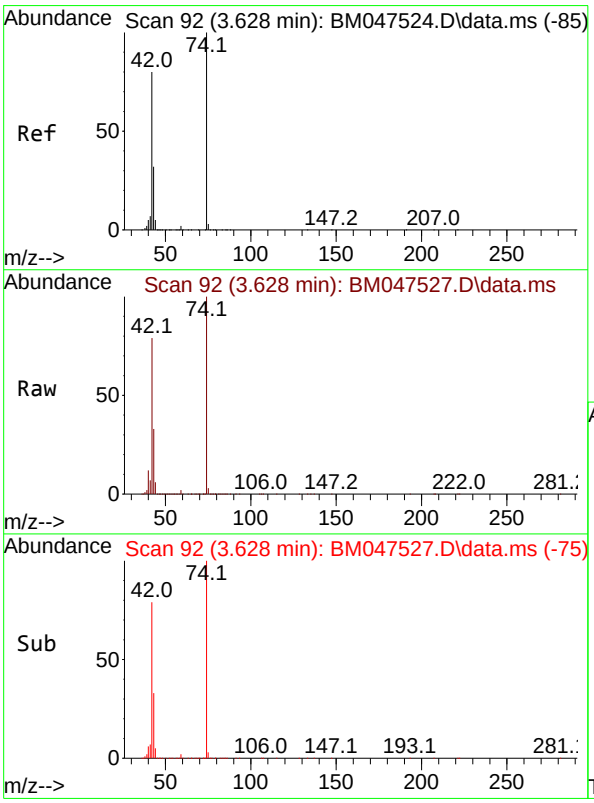
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.6 | 55.4 | 83.0 |
| 51 | 34.6 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

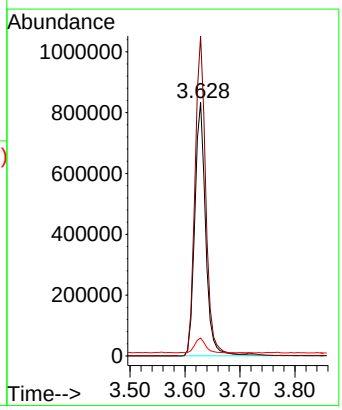
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

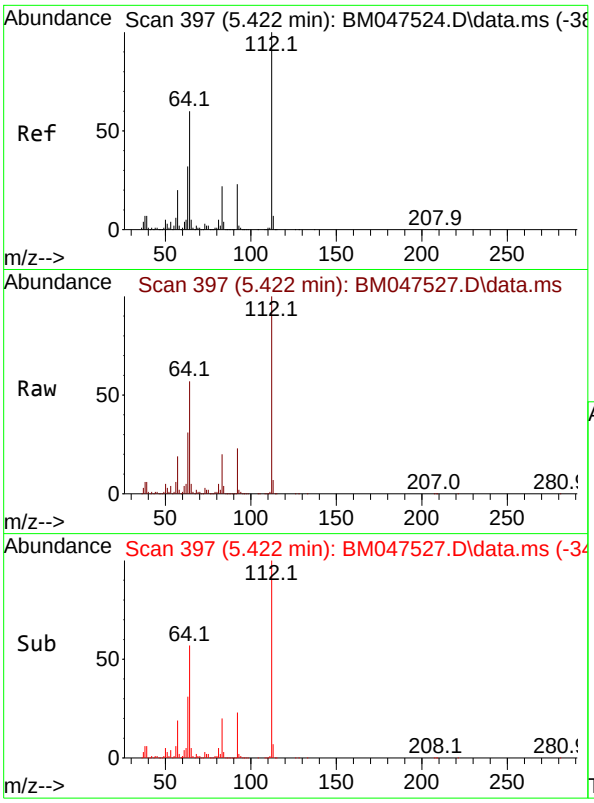



#4
n-Nitrosodimethylamine
Concen: 77.774 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 42 Resp: 1142344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.2 | 100.5 | 150.7 |
| 44 | 7.1 | 6.9 | 10.3 |

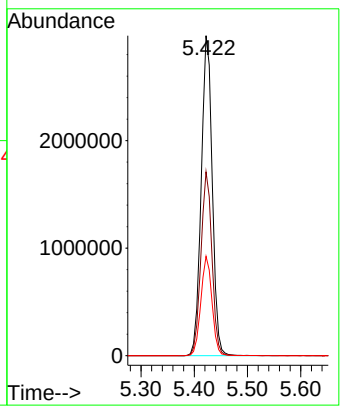





#5
2-Fluorophenol
Concen: 168.242 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:112 Resp: 427187

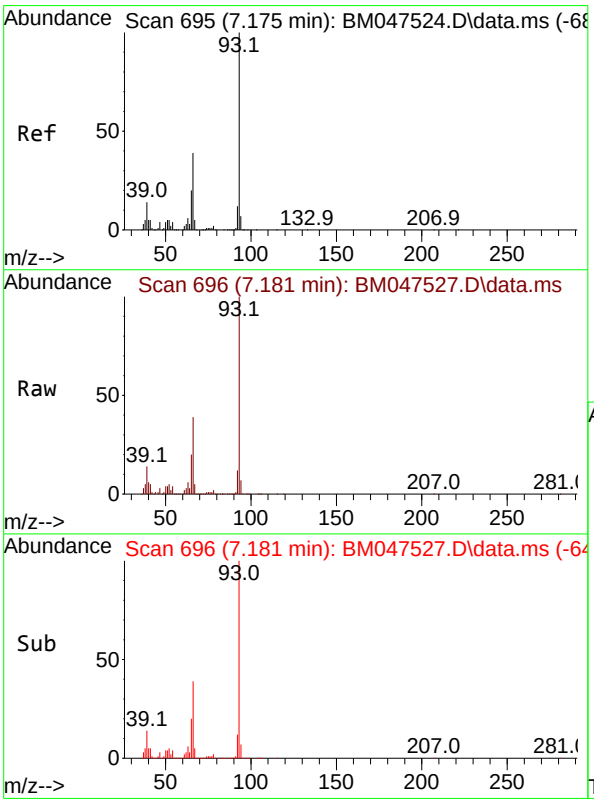
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 48.2 | 72.4 |
| 63 | 31.1 | 26.0 | 39.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

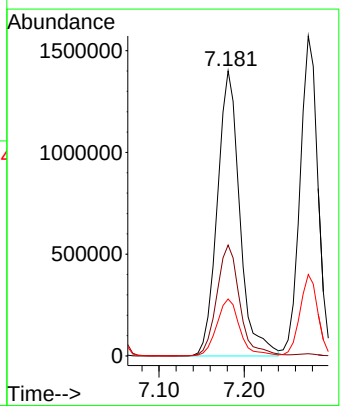
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

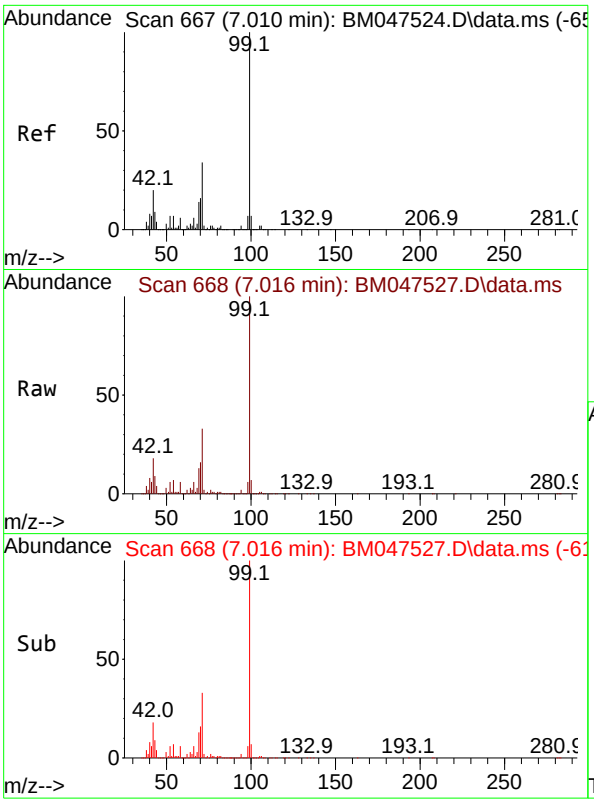



#6
Aniline
Concen: 80.988 ng
RT: 7.181 min Scan# 696
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 93 Resp: 2567465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.9 | 31.4 | 47.0 |
| 65 | 20.0 | 16.3 | 24.5 |

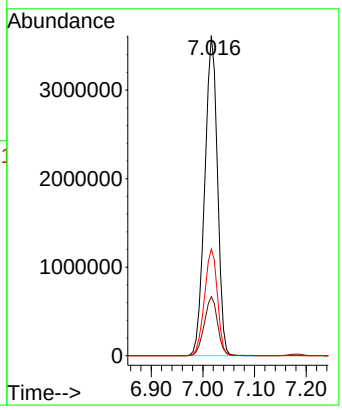





#7
Phenol-d6
Concen: 172.327 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 99 Resp: 616208

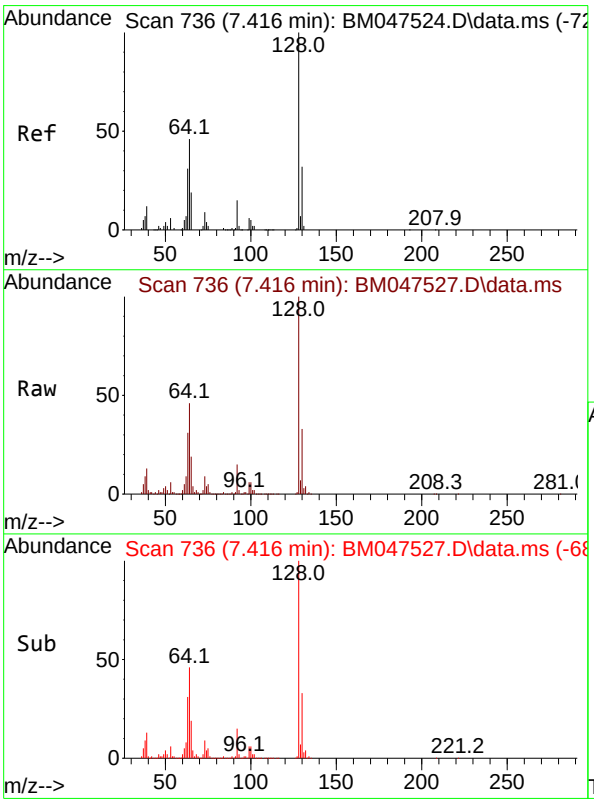
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 15.8 | 23.8 |
| 71 | 33.4 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

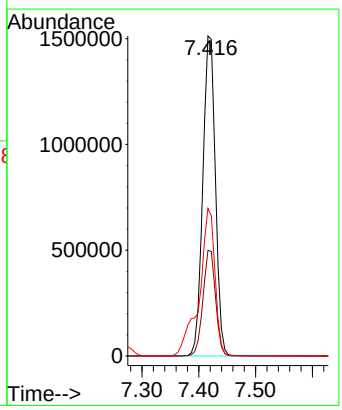
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

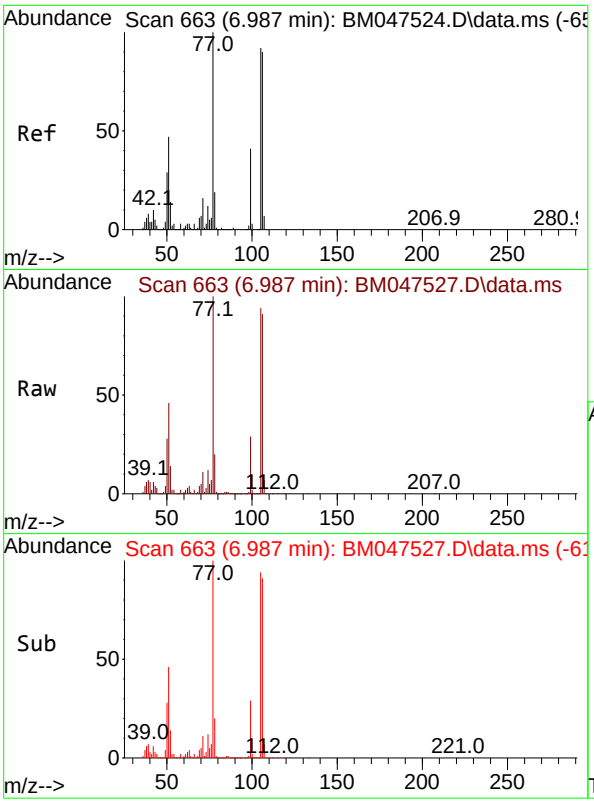



#8
2-Chlorophenol
Concen: 83.052 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:128 Resp: 2324724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 11.8 | 51.8 |
| 64 | 46.2 | 27.6 | 67.6 |

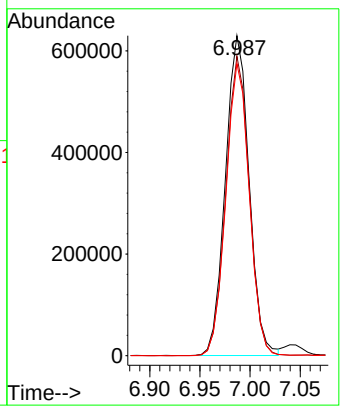





#9
Benzaldehyde
Concen: 61.060 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 103819

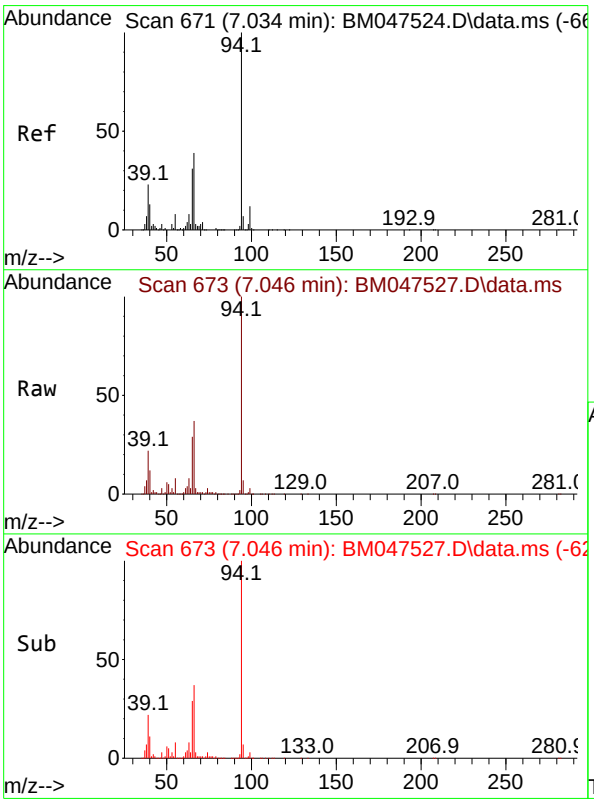
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 93.5 | 71.8 | 111.8 |
| 106 | 91.2 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

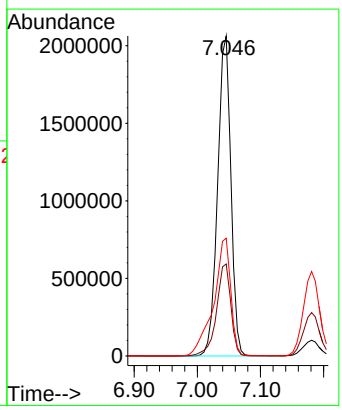
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

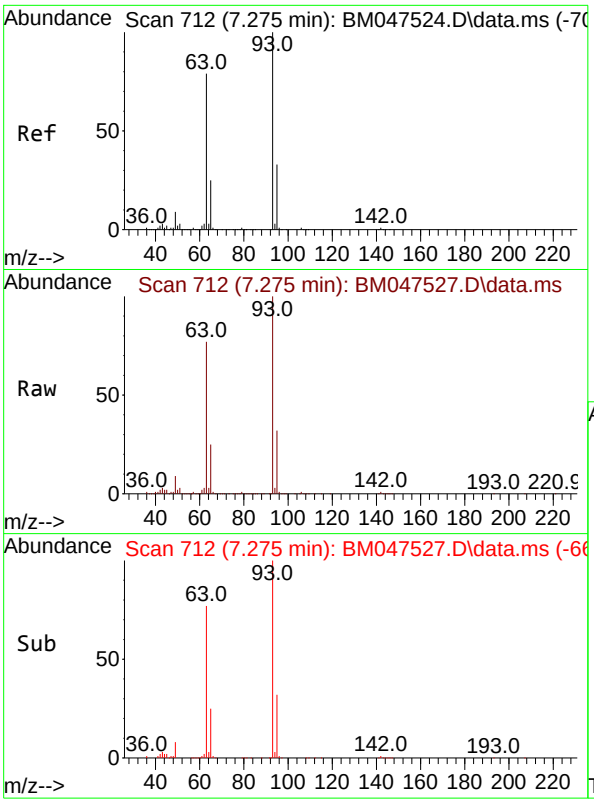



#10
Phenol
Concen: 84.009 ng
RT: 7.046 min Scan# 673
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 94 Resp: 3007878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.8 | 10.8 | 50.8 |
| 66 | 36.8 | 19.2 | 59.2 |






#11
bis(2-Chloroethyl)ether
Concen: 79.561 ng
RT: 7.275 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

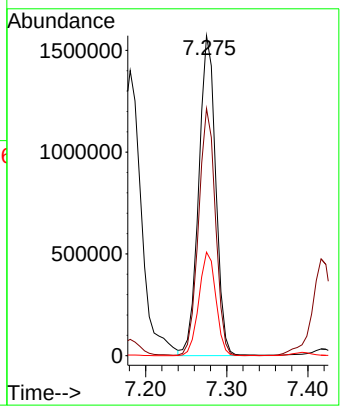
Tgt Ion: 93 Resp: 228694

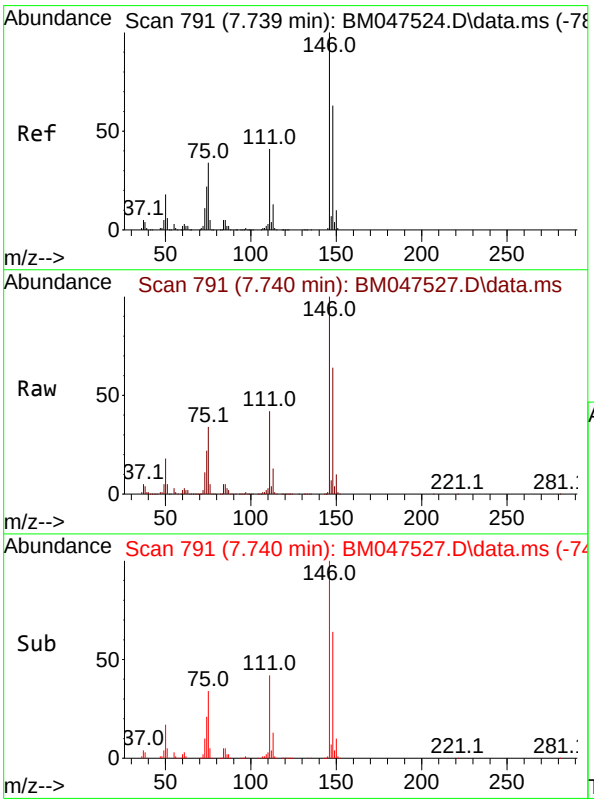
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.3 | 58.2 | 98.2 |
| 95 | 32.3 | 12.8 | 52.8 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

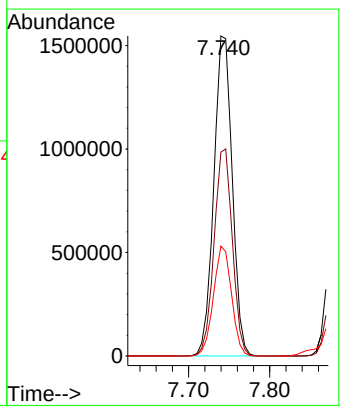


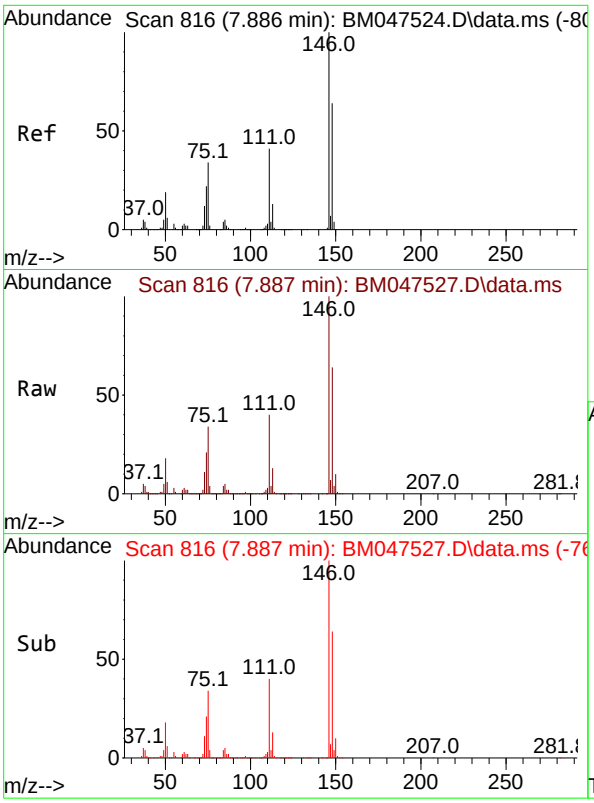




#12
1,3-Dichlorobenzene
Concen: 79.505 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 2435858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 50.2 | 75.4 |
| 75 | 34.3 | 27.4 | 41.0 |






#13
1,4-Dichlorobenzene
Concen: 80.050 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 249802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.3 | 76.9 |
| 111 | 39.9 | 32.9 | 49.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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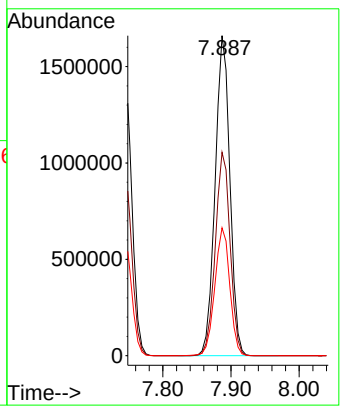
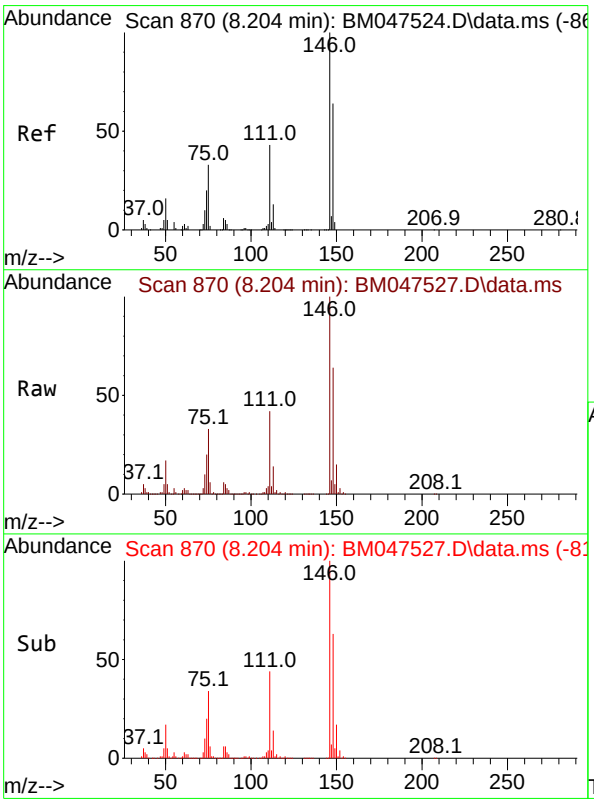
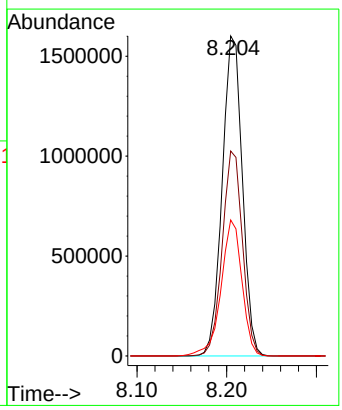


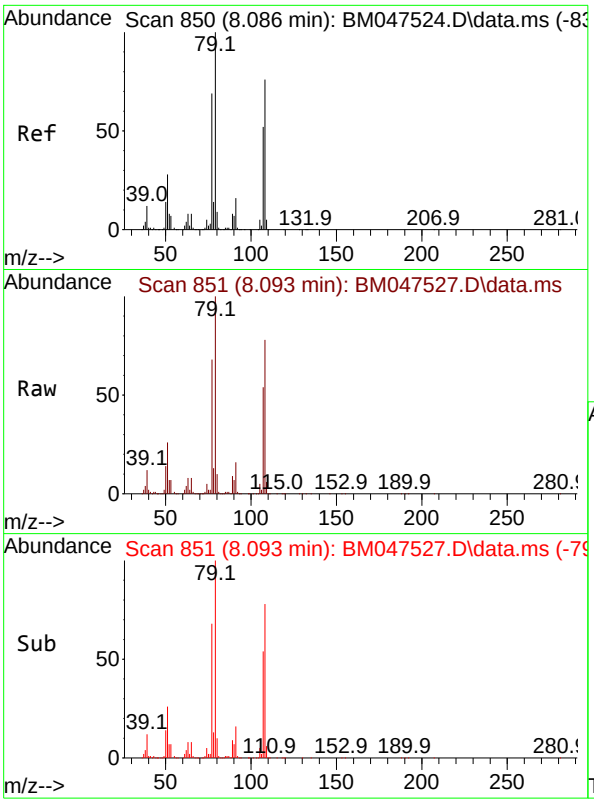




#14
1,2-Dichlorobenzene
Concen: 81.123 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:146 Resp: 2491331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.1 | 76.7 |
| 111 | 42.5 | 34.7 | 52.1 |

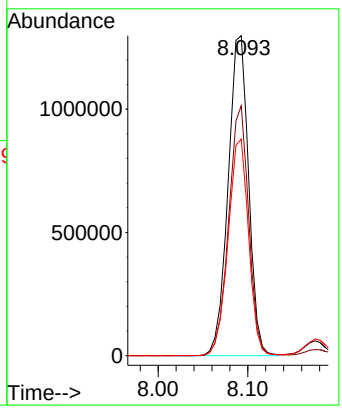





#15
Benzyl Alcohol
Concen: 84.936 ng
RT: 8.093 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 79 Resp: 205726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.1 | 60.6 | 91.0 |
| 77 | 67.7 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

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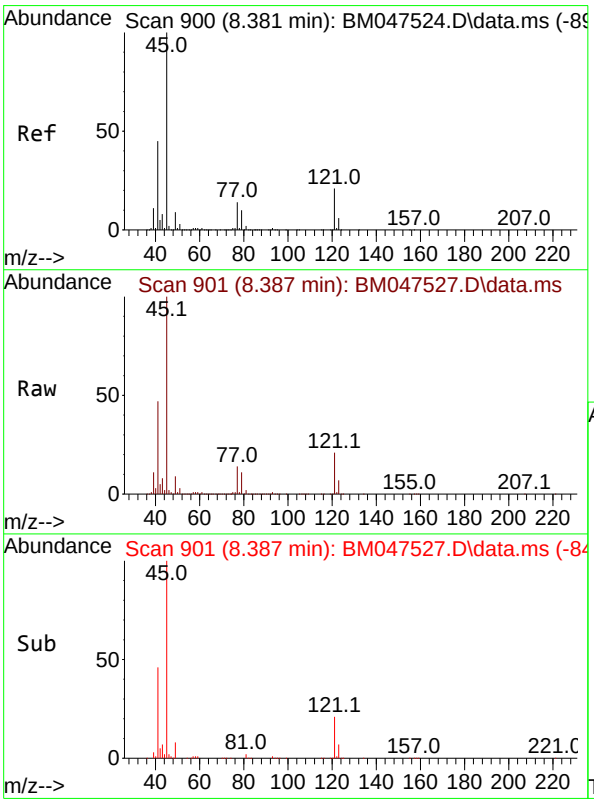
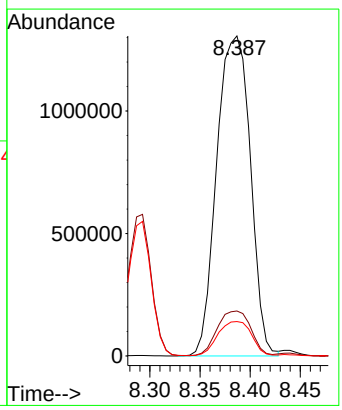
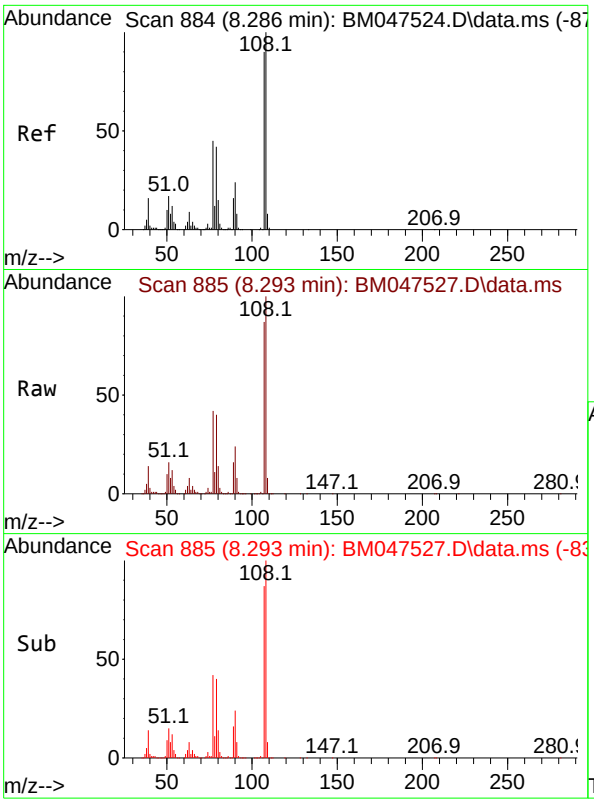



#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.492 ng
RT: 8.387 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 45 Resp: 3052483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.1 | 0.0 | 33.7 |
| 79 | 10.8 | 0.0 | 30.3 |

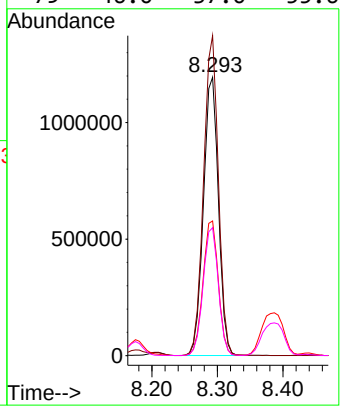





#17
2-Methylphenol
Concen: 83.218 ng
RT: 8.293 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 190344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.9 | 88.9 | 133.3 |
| 77 | 48.4 | 39.8 | 59.8 |
| 79 | 46.0 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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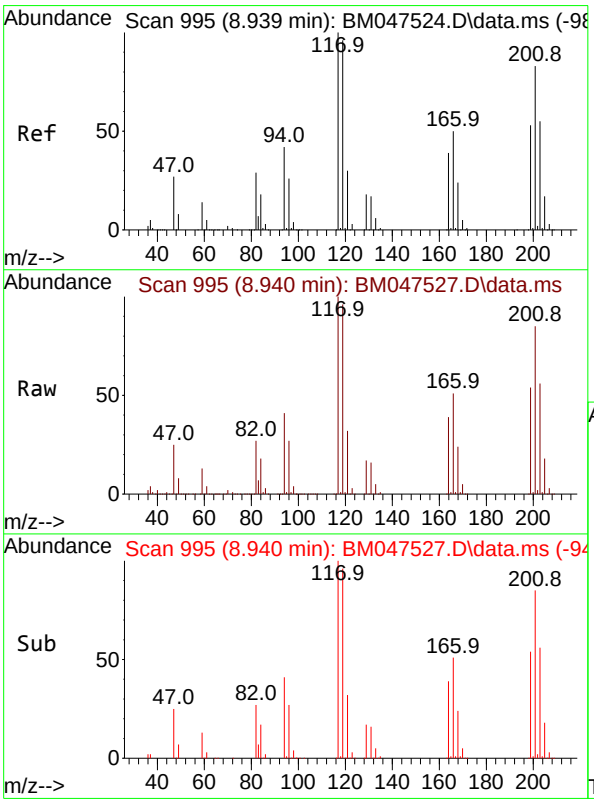
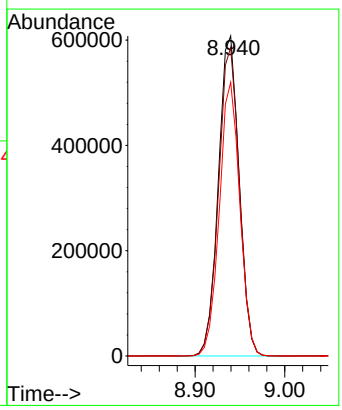
Supervised By :mohammad ahmed 09/17/2024

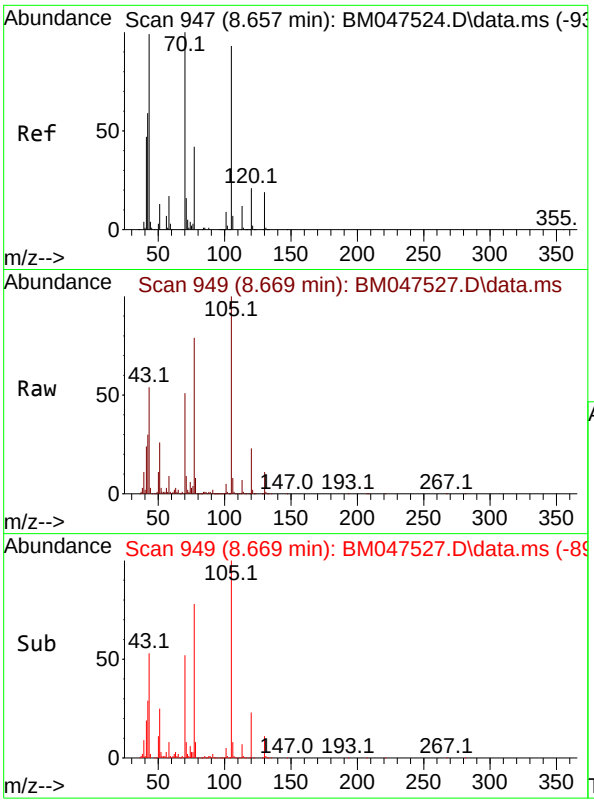



#18
Hexachloroethane
Concen: 78.443 ng
RT: 8.940 min Scan# 995
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:117 Resp: 977874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 77.0 | 115.4 |
| 201 | 85.5 | 66.8 | 100.2 |

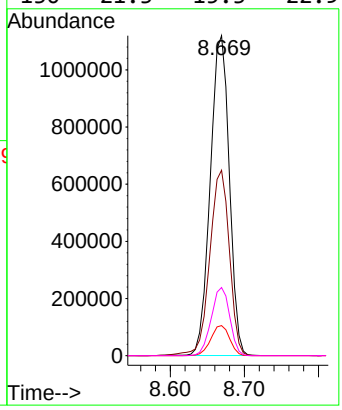





#19
n-Nitroso-di-n-propylamine
Concen: 82.637 ng
RT: 8.669 min Scan# 94
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 70 Resp: 199232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.0 | 48.2 | 72.2 |
| 101 | 9.4 | 7.0 | 10.4 |
| 130 | 21.3 | 15.3 | 22.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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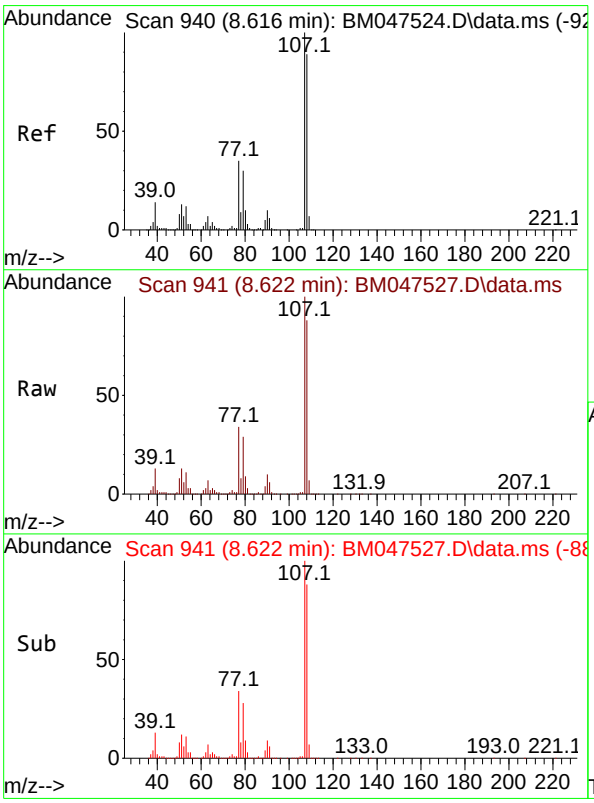
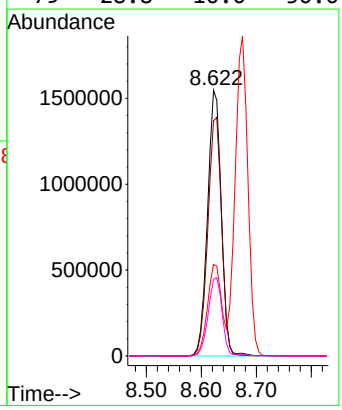
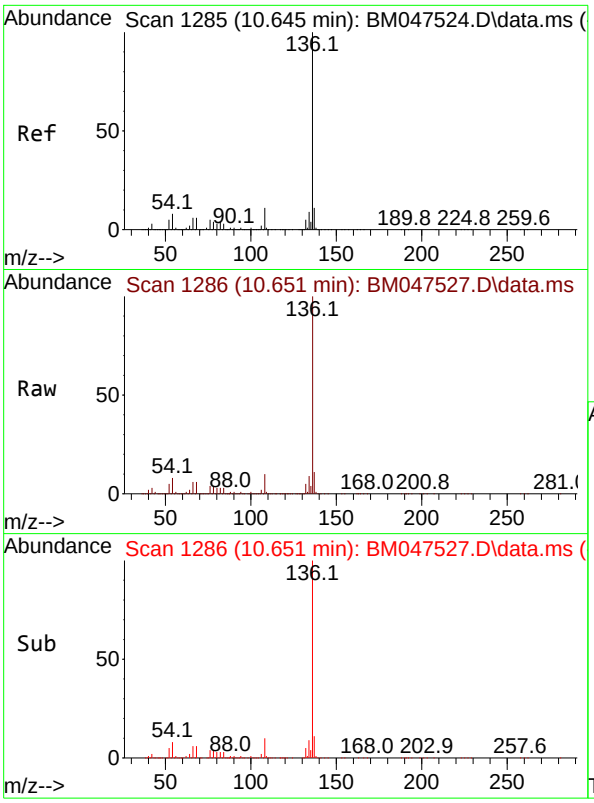



#20
3+4-Methylphenols
Concen: 84.108 ng
RT: 8.622 min Scan# 941
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 2684322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.5 | 68.9 | 108.9 |
| 77 | 34.5 | 15.5 | 55.5 |
| 79 | 28.8 | 10.0 | 50.0 |

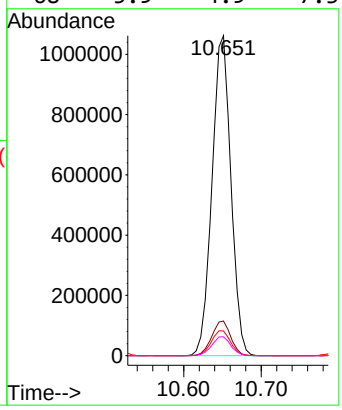





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:136 Resp: 179668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 7.7 | 6.6 | 9.8 |
| 68 | 5.9 | 4.9 | 7.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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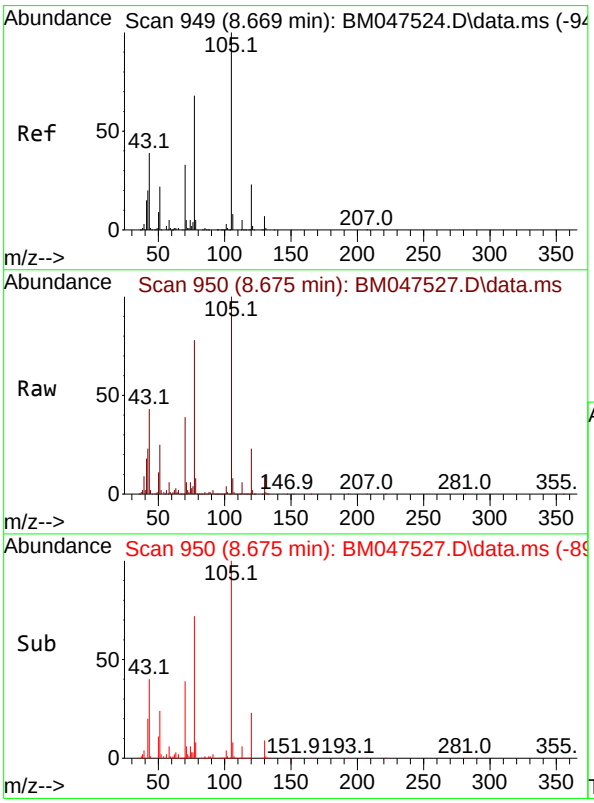
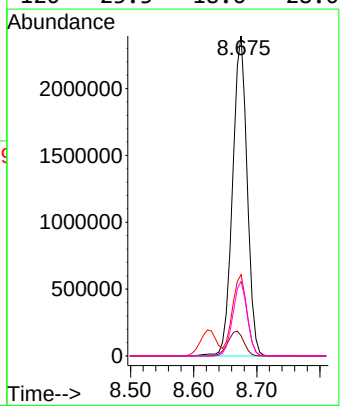
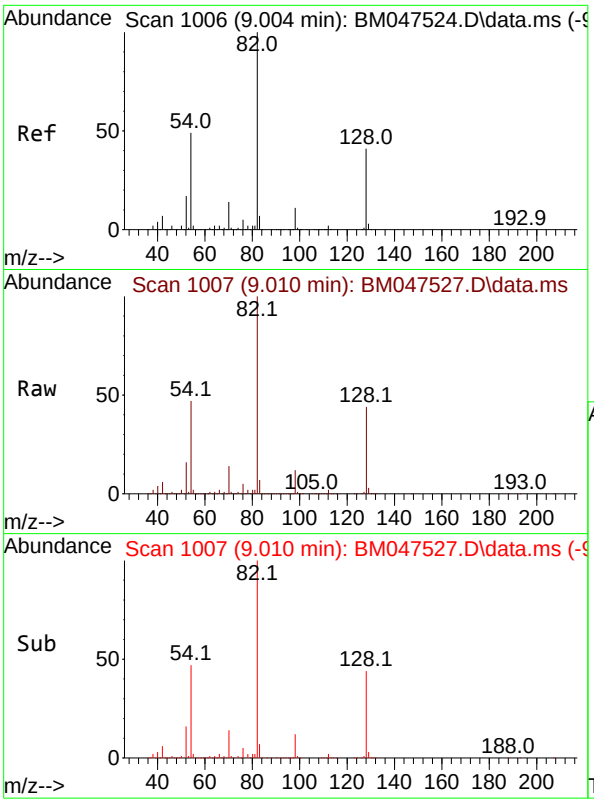



#22
Acetophenone
Concen: 80.956 ng
RT: 8.675 min Scan# 950
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:105 Resp: 3824012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.3 | 4.3 | 6.5 |
| 51 | 25.4 | 21.5 | 32.3 |
| 120 | 23.3 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 161.302 ng
RT: 9.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 82 Resp: 579086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.7 | 33.0 | 49.4 |
| 54 | 47.1 | 39.3 | 58.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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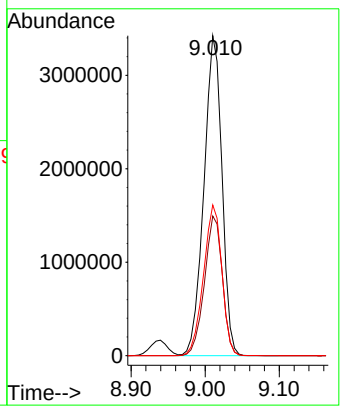
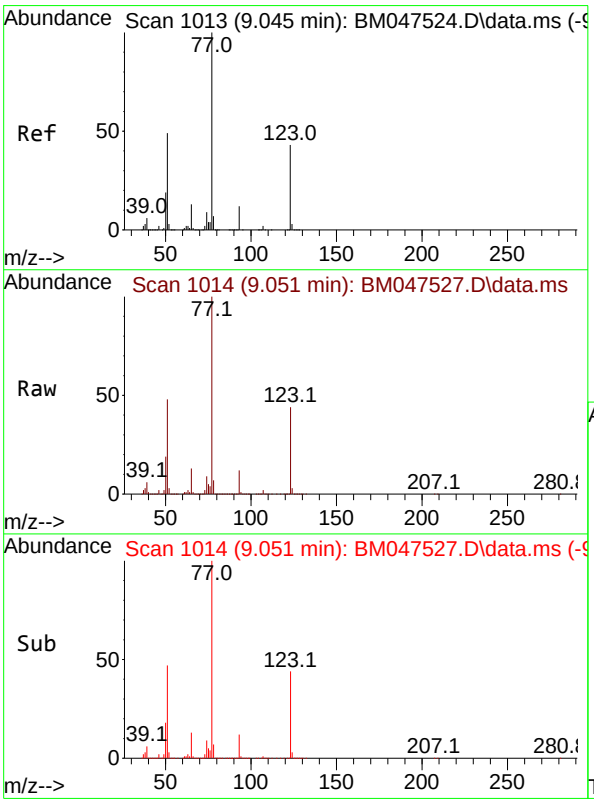
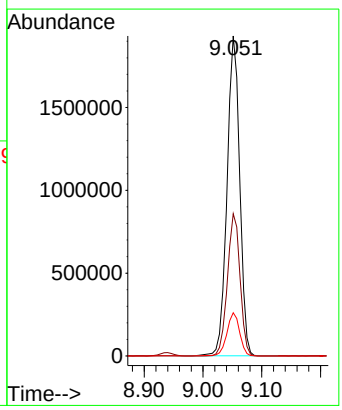


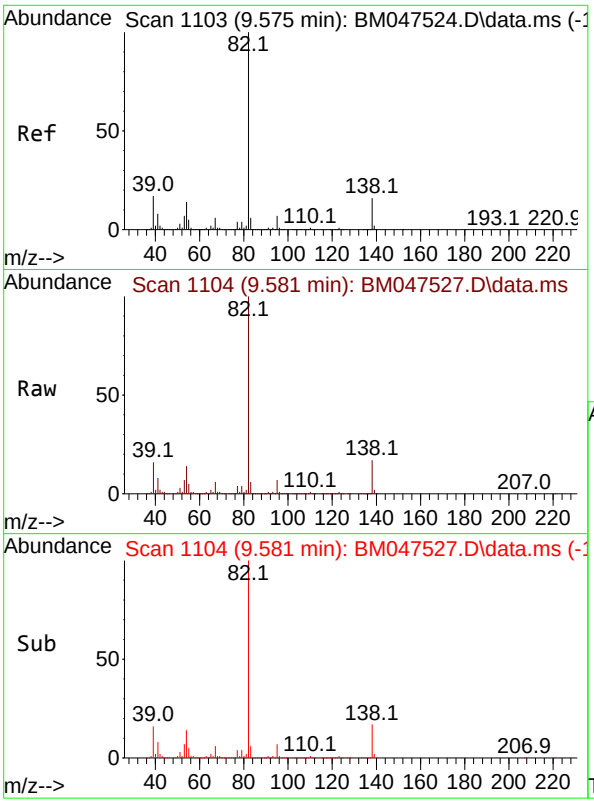




#24
Nitrobenzene
Concen: 78.400 ng
RT: 9.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 2892211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.5 | 34.5 | 51.7 |
| 65 | 13.5 | 10.7 | 16.1 |

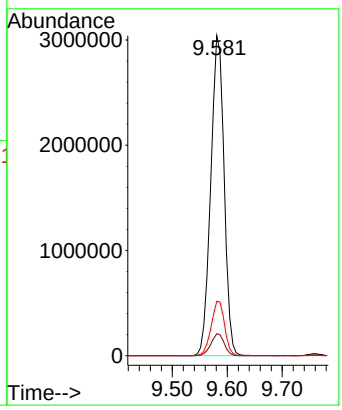





#25
Isophorone
Concen: 81.564 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 82 Resp: 514789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.4 | 8.0 |
| 138 | 17.0 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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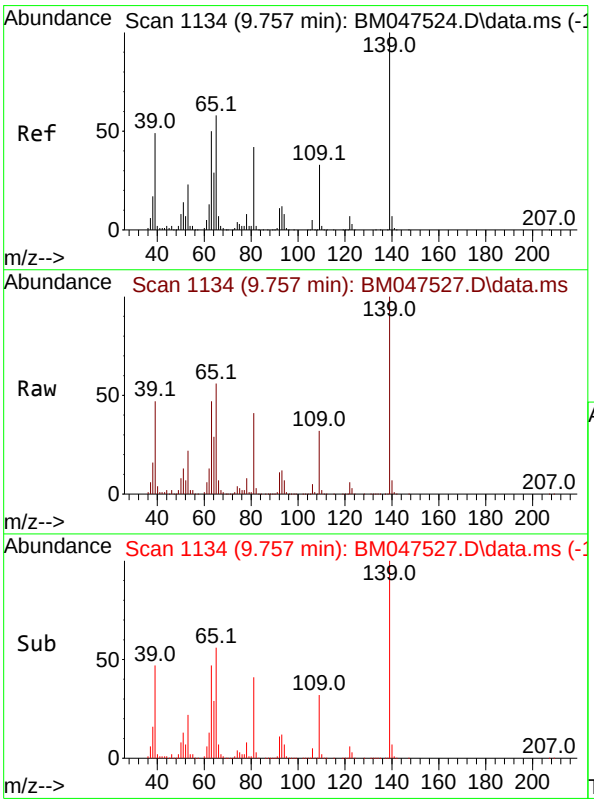
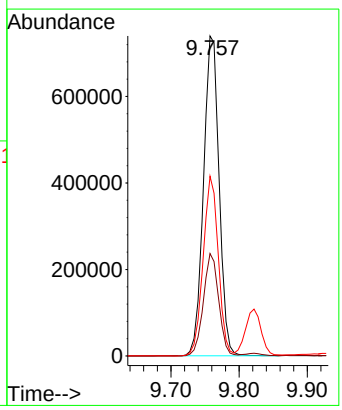
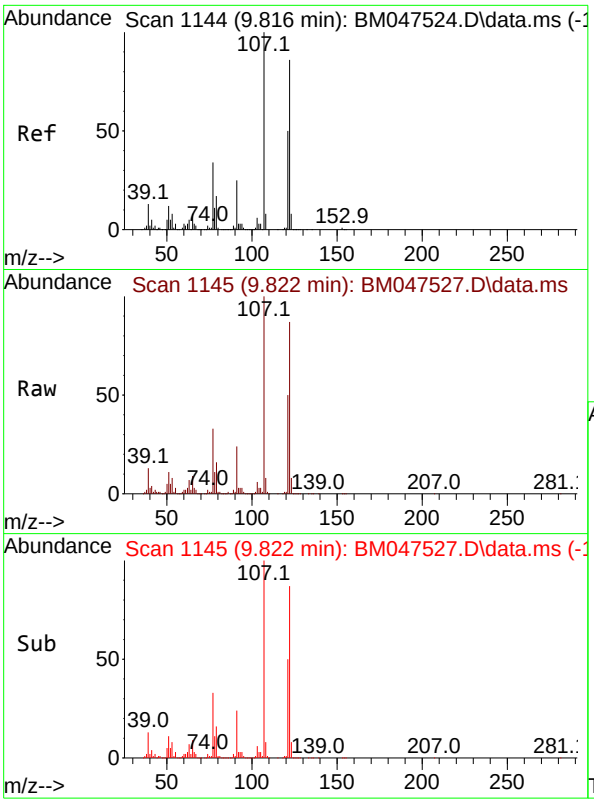



#26
2-Nitrophenol
Concen: 93.728 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:139 Resp: 1178242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.0 | 26.0 | 39.0 |
| 65 | 56.2 | 46.2 | 69.4 |

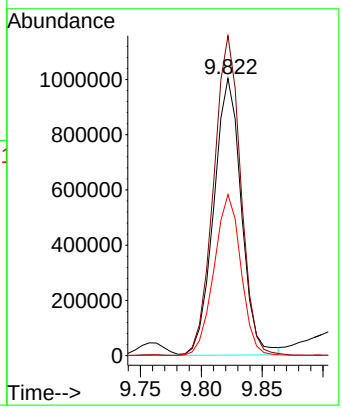





#27
2,4-Dimethylphenol
Concen: 82.915 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:122 Resp: 158002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.4 | 92.4 | 138.6 |
| 121 | 58.1 | 46.2 | 69.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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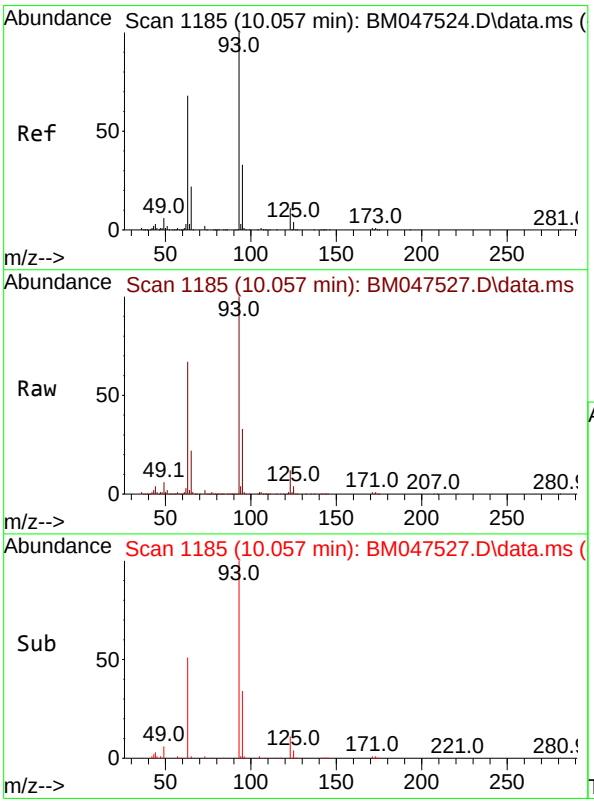
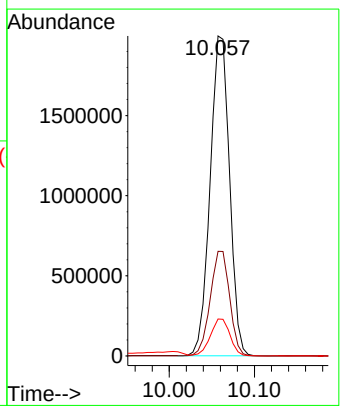
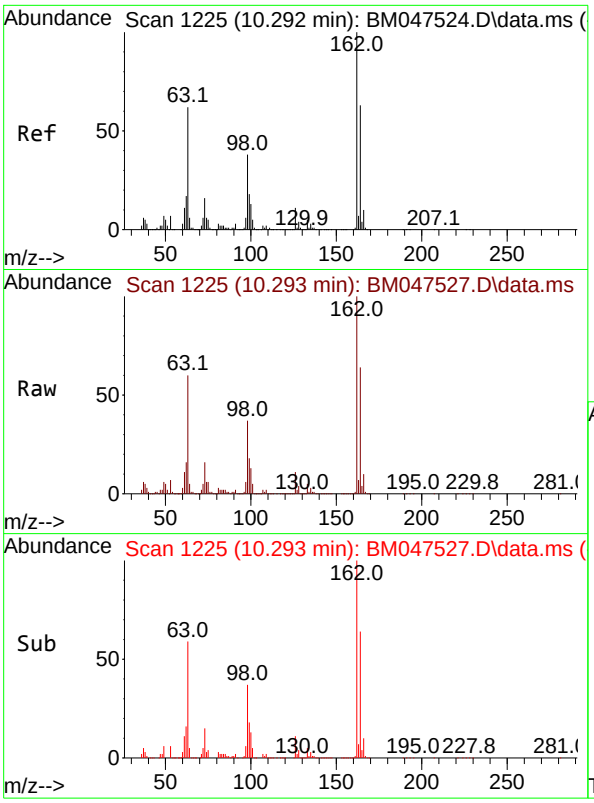



#28
bis(2-Chloroethoxy)methane
Concen: 79.689 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 93 Resp: 3159251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 26.2 | 39.2 |
| 123 | 11.5 | 9.2 | 13.8 |

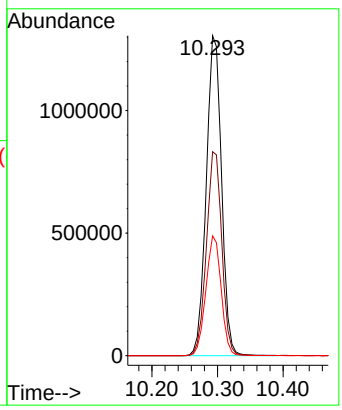





#29
2,4-Dichlorophenol
Concen: 87.588 ng
RT: 10.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:162 Resp: 212052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 43.5 | 83.5 |
| 98 | 37.5 | 17.6 | 57.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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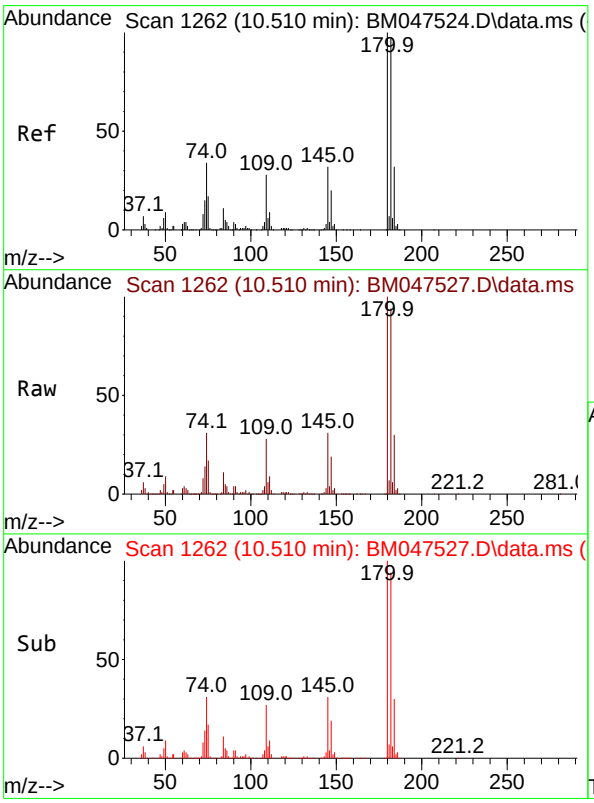
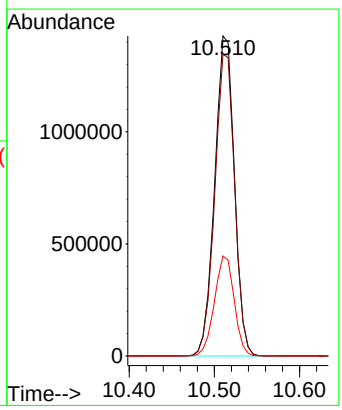
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

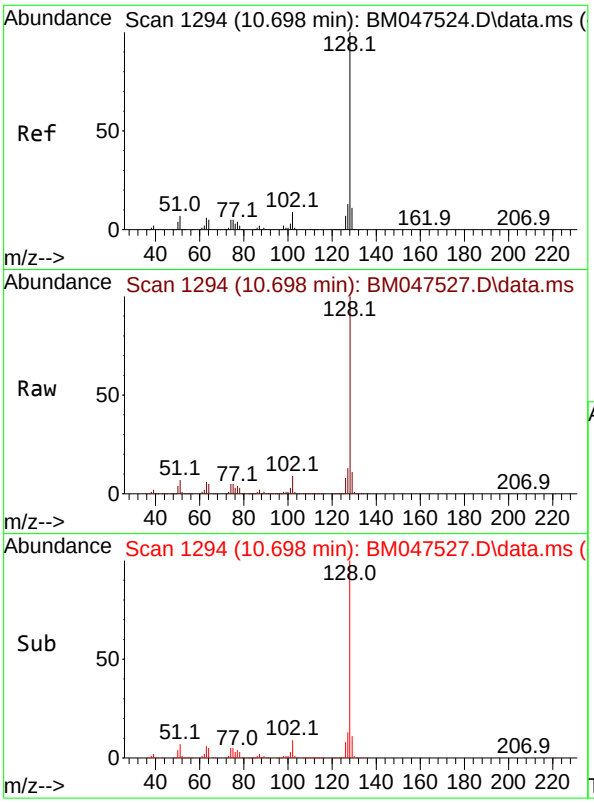



#30
1,2,4-Trichlorobenzene
Concen: 82.914 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:180 Resp: 2299410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 77.6 | 116.4 |
| 145 | 31.2 | 25.4 | 38.0 |

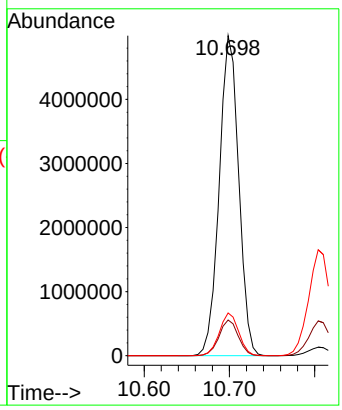





#31
Naphthalene
Concen: 81.739 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:128 Resp: 793155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.7 | 13.1 |
| 127 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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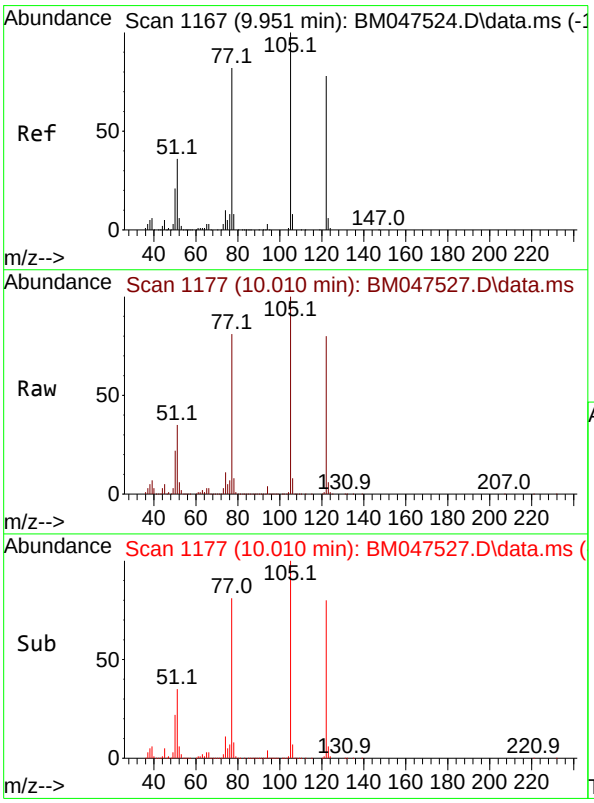
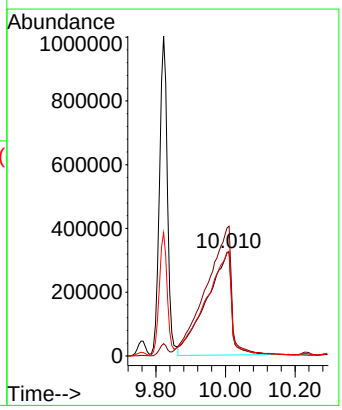
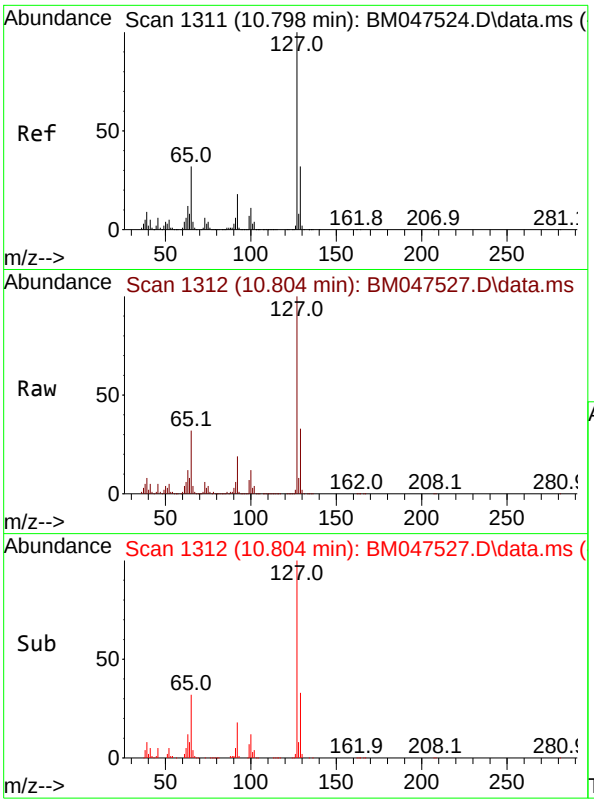



#32
Benzoic acid
Concen: 81.568 ng
RT: 10.010 min Scan# 1177
Delta R.T. 0.059 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:122 Resp: 1633674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.6 | 104.7 | 144.7 |
| 77 | 101.5 | 83.4 | 123.4 |

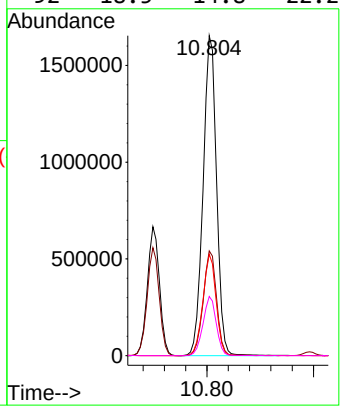





#33
4-Chloroaniline
Concen: 82.527 ng
RT: 10.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:127 Resp: 289533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.4 | 38.0 |
| 65 | 31.7 | 25.5 | 38.3 |
| 92 | 18.5 | 14.8 | 22.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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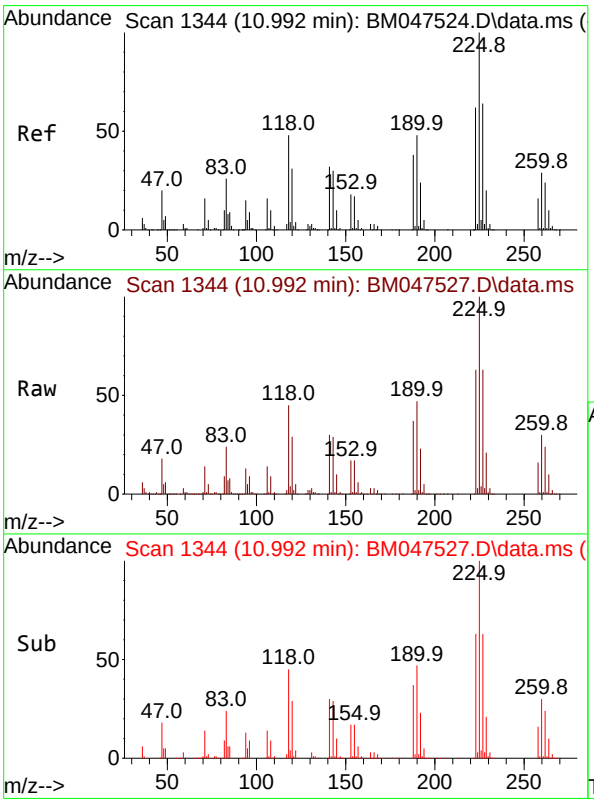
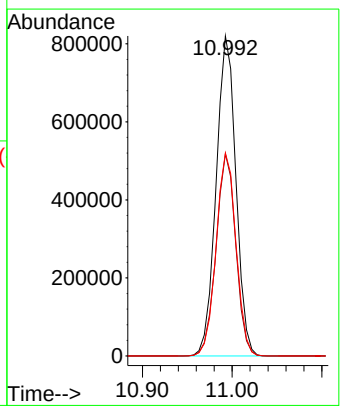
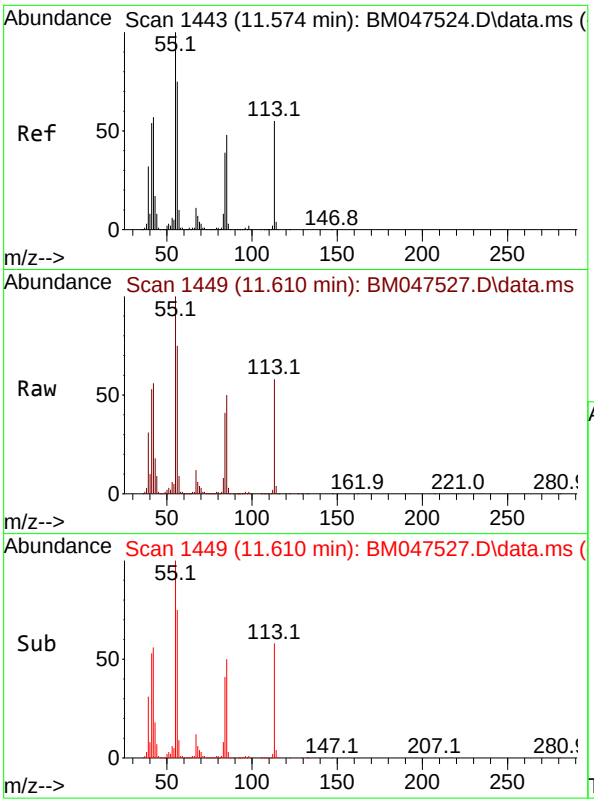



#34
Hexachlorobutadiene
Concen: 81.599 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:225 Resp: 1253407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 49.8 | 74.6 |
| 227 | 63.4 | 51.0 | 76.4 |






#35
Caprolactam
Concen: 89.483 ng m
RT: 11.610 min Scan# 14
Delta R.T. 0.036 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:113 Resp: 71361(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.0 | 162.5 | 202.5 |
| 56 | 128.4 | 116.5 | 156.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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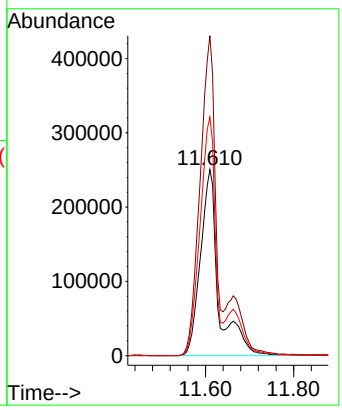
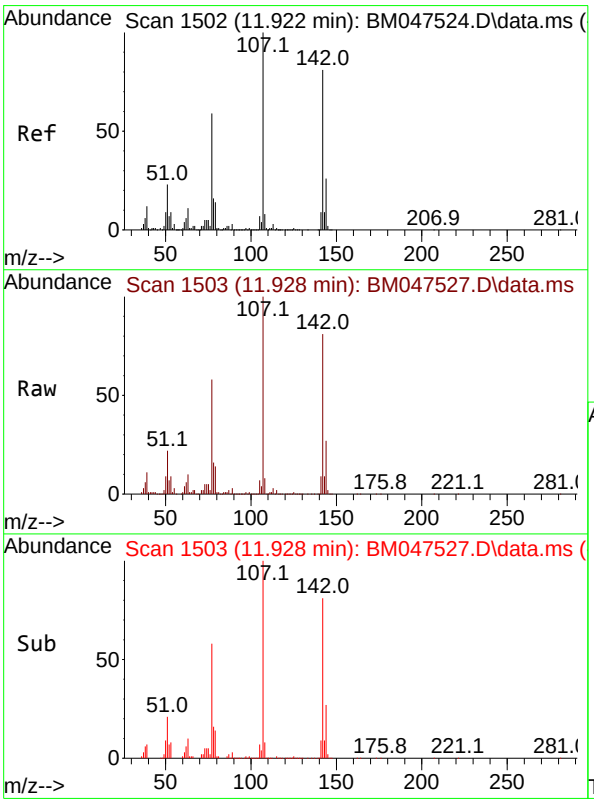
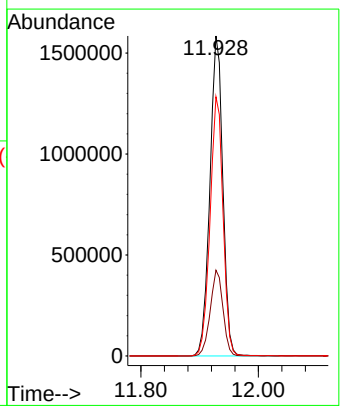


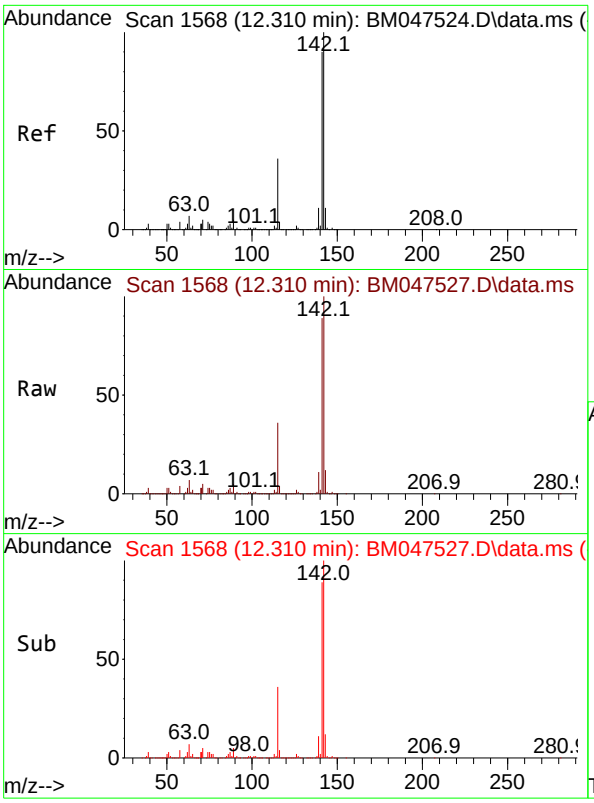




#36
4-Chloro-3-methylphenol
Concen: 87.301 ng
RT: 11.928 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:107 Resp: 2422201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.8 | 20.5 | 30.7 |
| 142 | 81.0 | 65.0 | 97.4 |

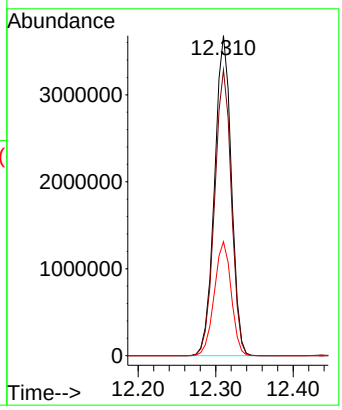





#37
2-Methylnaphthalene
Concen: 85.681 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:142 Resp: 553461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 72.2 | 108.4 |
| 115 | 35.6 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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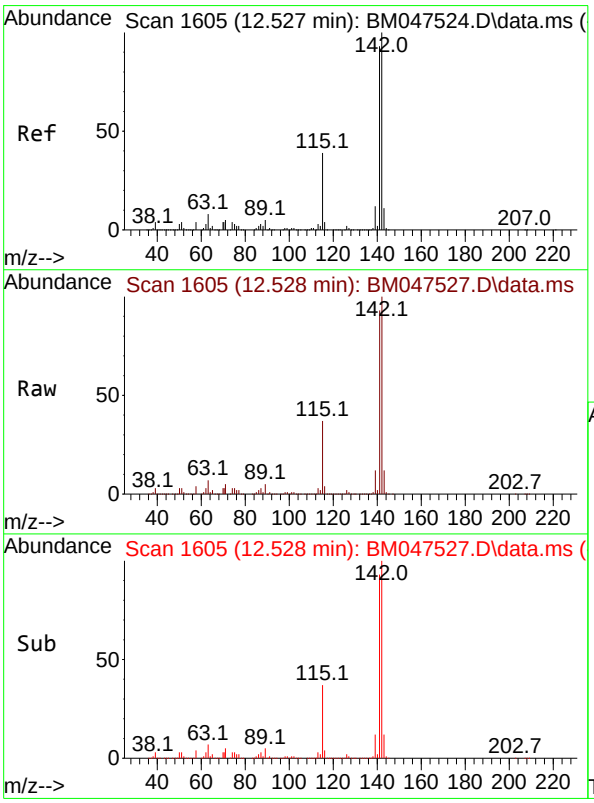
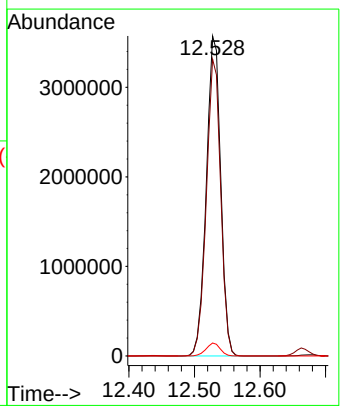
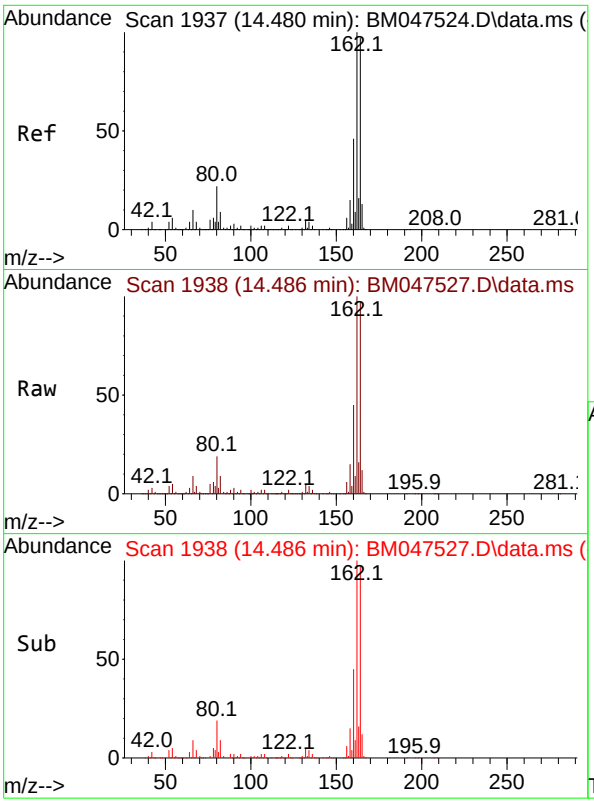



#38
1-Methylnaphthalene
Concen: 85.045 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:142 Resp: 5458215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.7 | 74.7 | 112.1 |
| 116 | 4.0 | 3.2 | 4.8 |

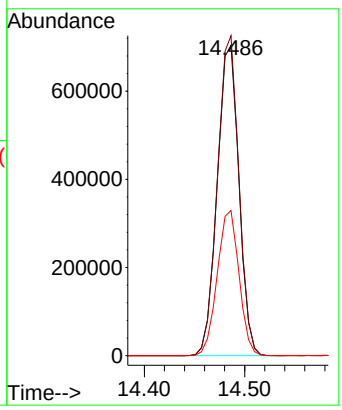





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:164 Resp: 105776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.1 | 82.2 | 123.2 |
| 160 | 46.8 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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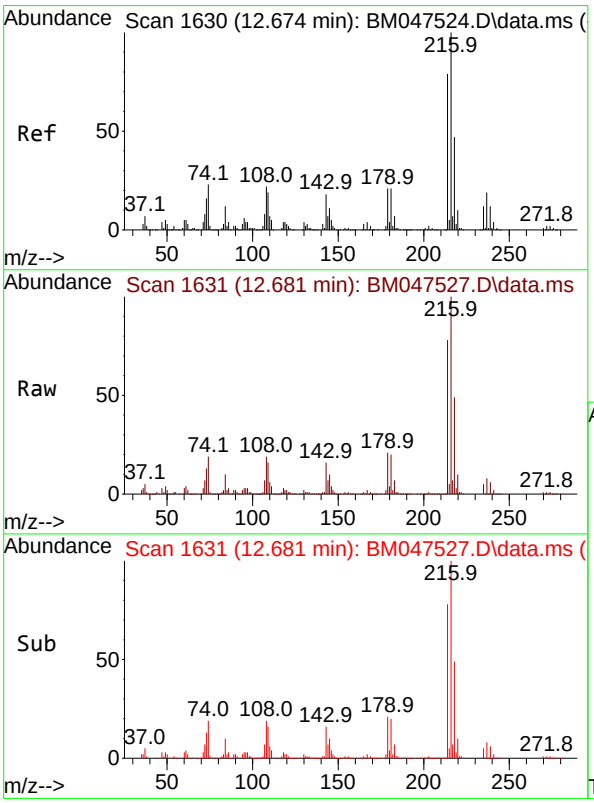
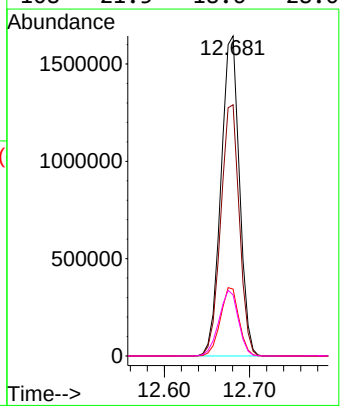
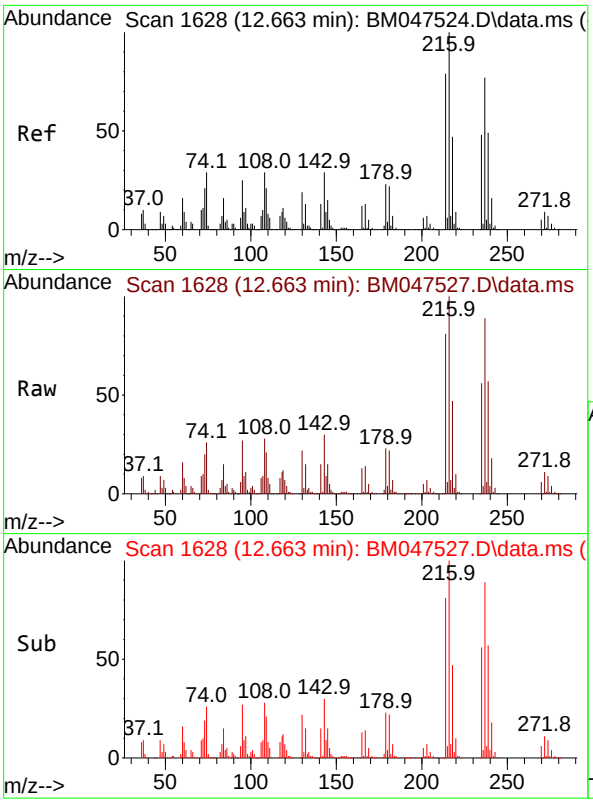



#40
1,2,4,5-Tetrachlorobenzene
Concen: 86.585 ng
RT: 12.681 min Scan# 1631
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:216 Resp: 2478282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.0 | 94.6 |
| 179 | 21.4 | 17.5 | 26.3 |
| 108 | 21.5 | 18.6 | 28.0 |






#41
Hexachlorocyclopentadiene
Concen: 82.067 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:237 Resp: 76789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 42.0 | 82.0 |
| 272 | 12.4 | 0.0 | 31.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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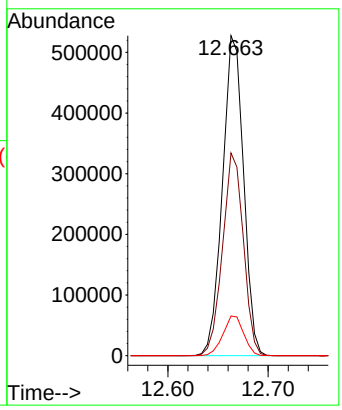
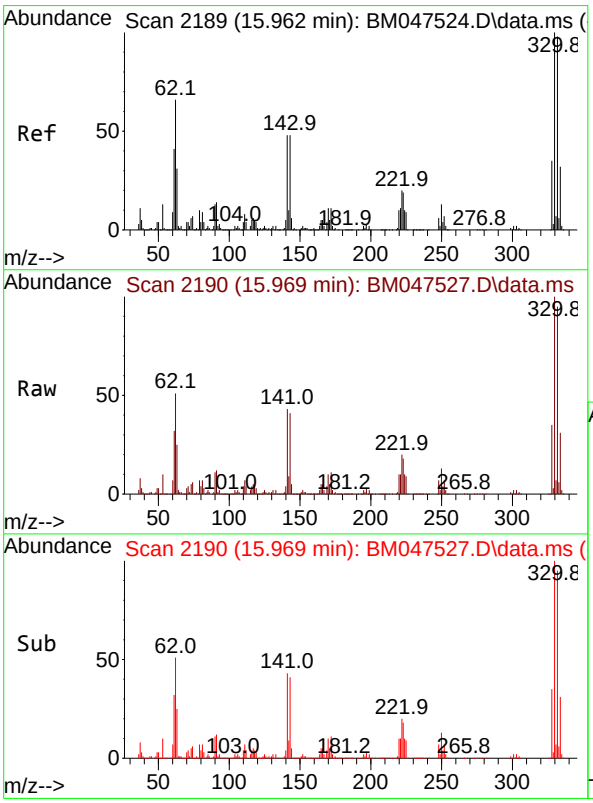
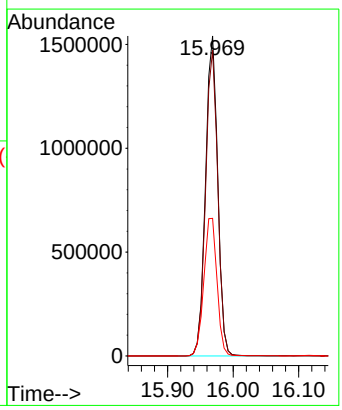


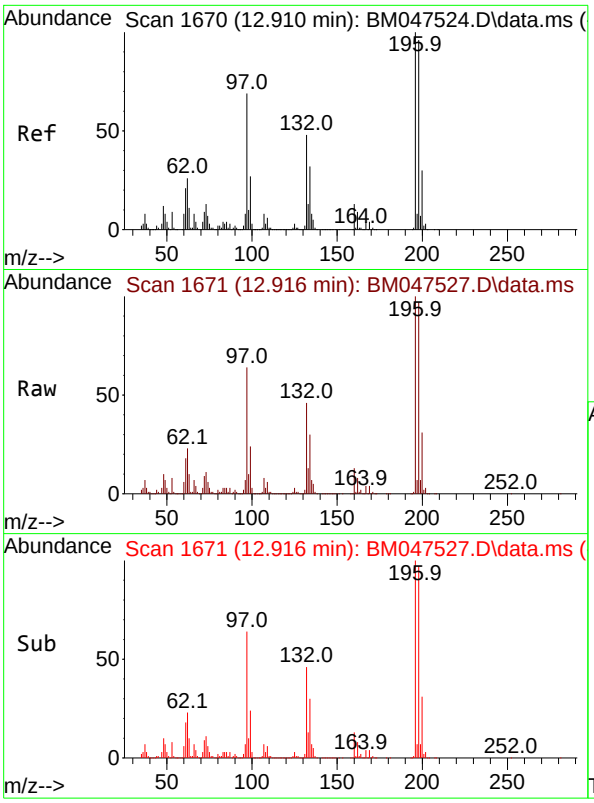




#42
2,4,6-Tribromophenol
Concen: 195.553 ng
RT: 15.969 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:330 Resp: 1999370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.9 | 115.3 |
| 141 | 46.5 | 42.2 | 63.2 |






#43
2,4,6-Trichlorophenol
Concen: 89.682 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:196 Resp: 160815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 76.9 | 115.3 |
| 200 | 31.1 | 24.3 | 36.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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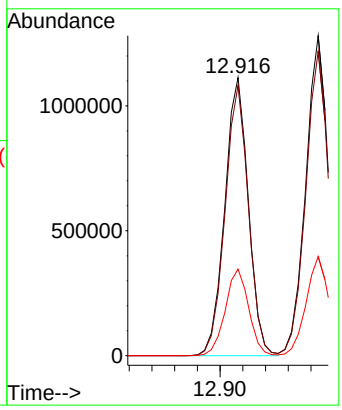
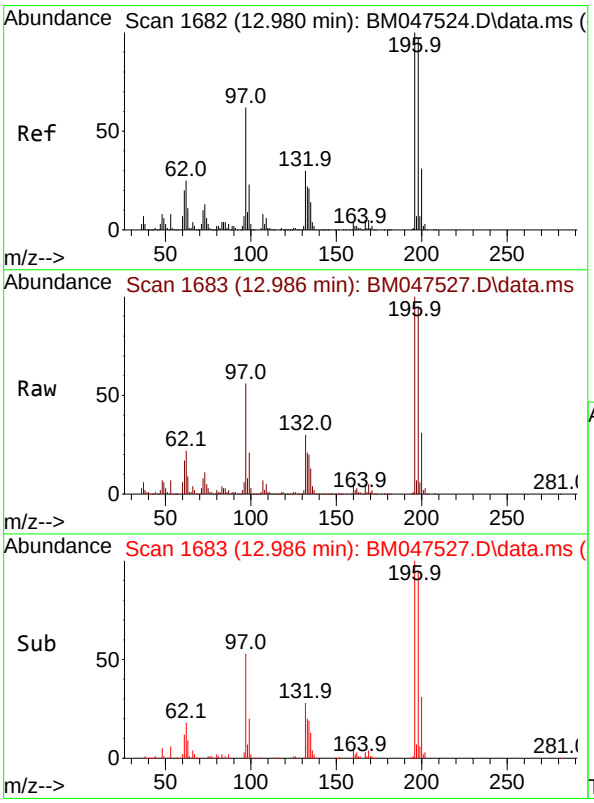
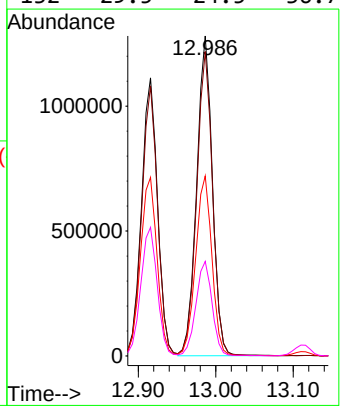


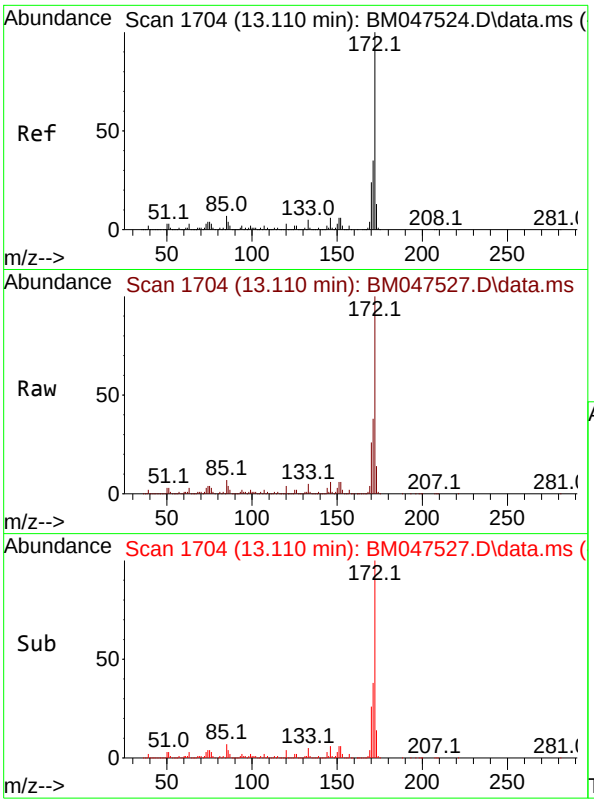




#44
2,4,5-Trichlorophenol
Concen: 89.254 ng
RT: 12.986 min Scan# 1683
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:196 Resp: 1807737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.4 | 116.2 |
| 97 | 56.2 | 49.8 | 74.8 |
| 132 | 29.5 | 24.5 | 36.7 |

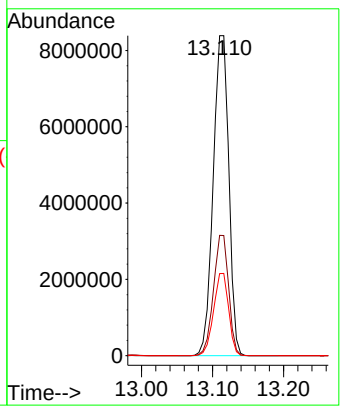





#45
2-Fluorobiphenyl
Concen: 166.014 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:172 Resp:1274774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.6 | 28.2 | 42.2 |
| 170 | 25.7 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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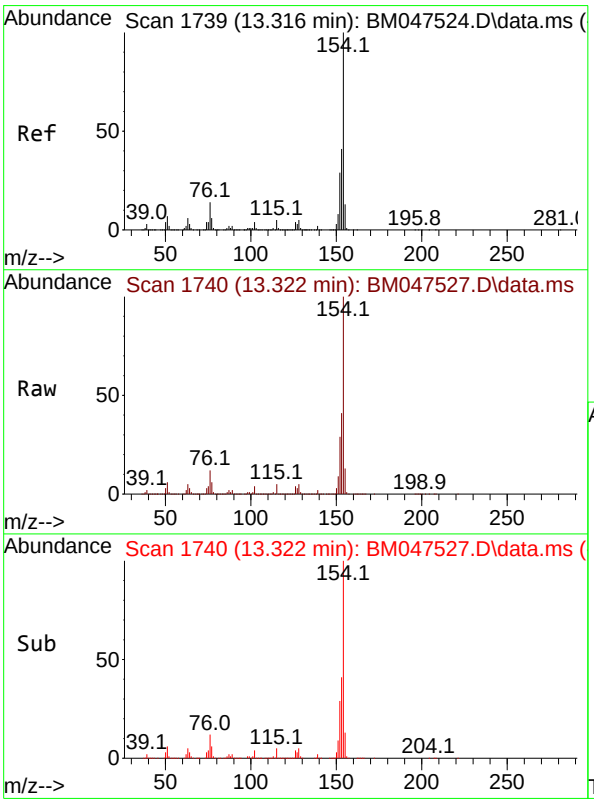
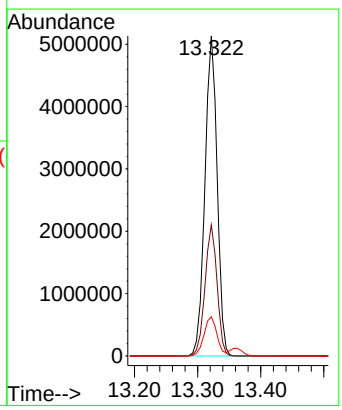
Supervised By :mohammad ahmed 09/17/2024

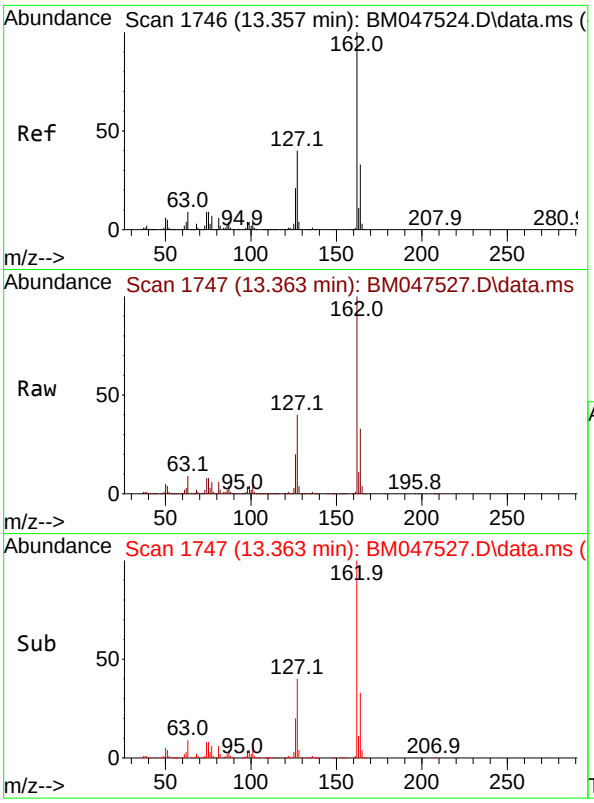



#46
1,1'-Biphenyl
Concen: 83.841 ng
RT: 13.322 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:154 Resp: 6900085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.0 | 20.6 | 60.6 |
| 76 | 12.3 | 0.0 | 33.9 |

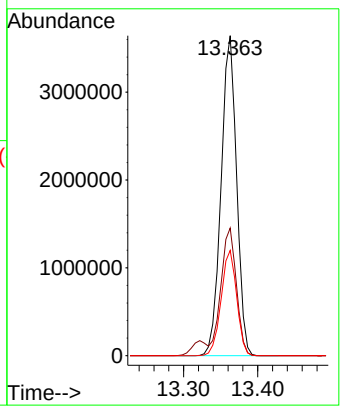





#47
2-Chloronaphthalene
Concen: 82.926 ng
RT: 13.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:162 Resp: 529932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.9 | 32.2 | 48.4 |
| 164 | 32.9 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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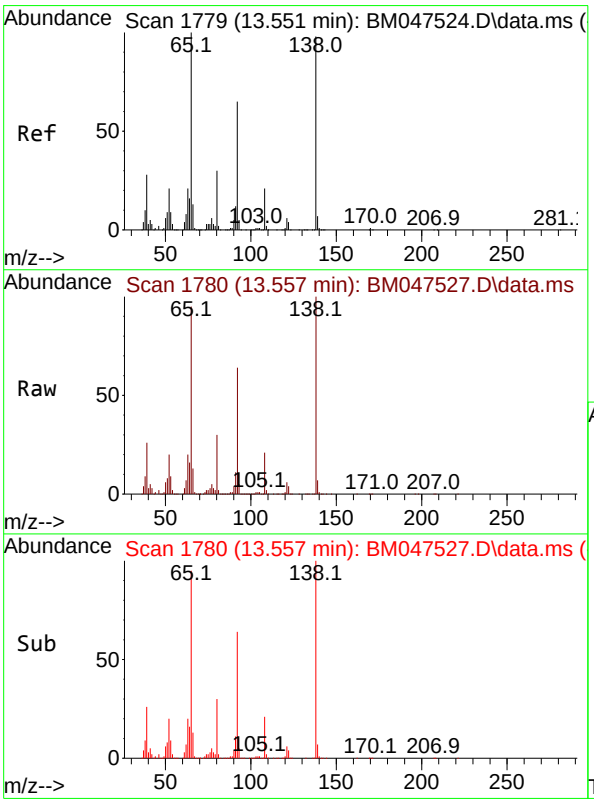
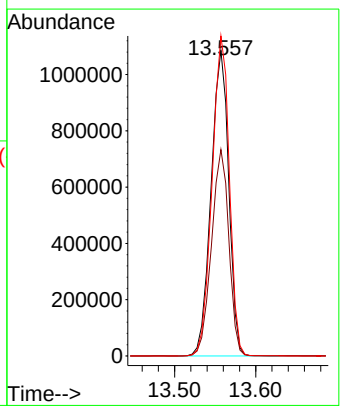
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

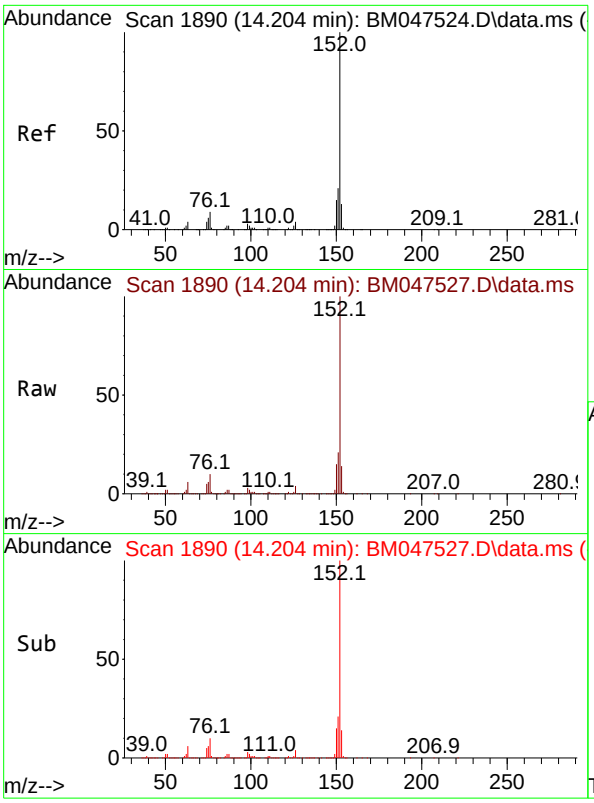



#48
2-Nitroaniline
Concen: 87.177 ng
RT: 13.557 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 65 Resp: 1636291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.5 | 51.9 | 77.9 |
| 138 | 104.7 | 78.5 | 117.7 |

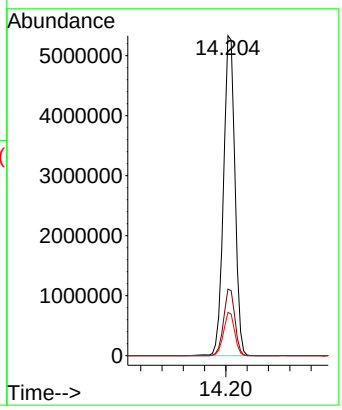





#49
Acenaphthylene
Concen: 85.694 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:152 Resp: 790252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 16.5 | 24.7 |
| 153 | 13.5 | 10.4 | 15.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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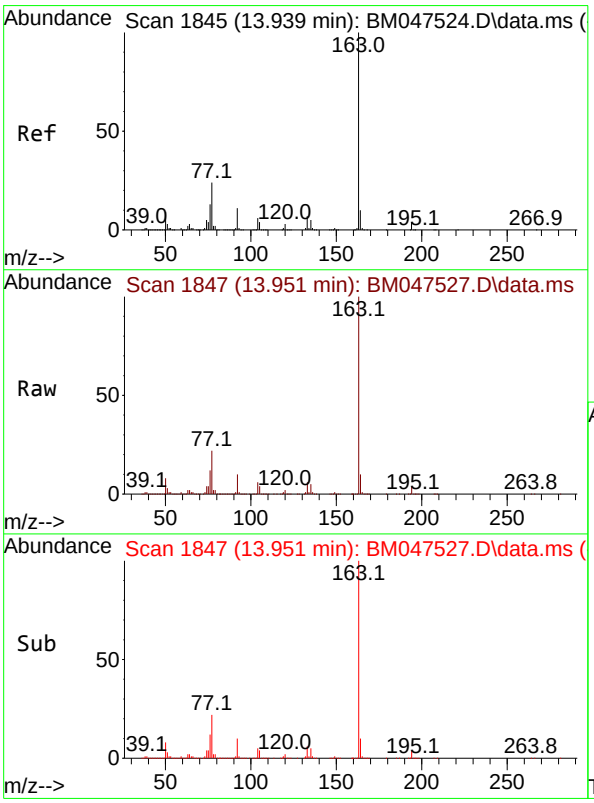
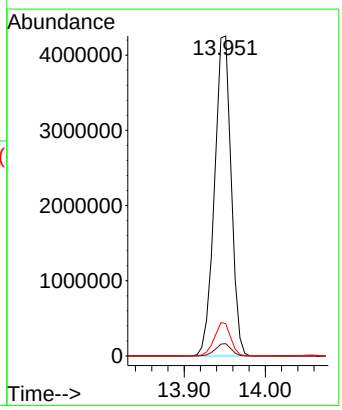
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

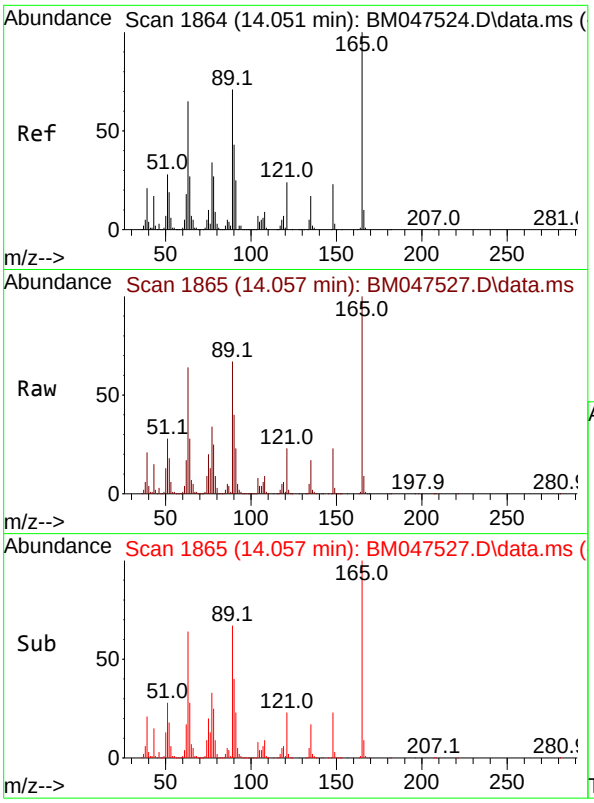



#50
Dimethylphthalate
Concen: 83.970 ng
RT: 13.951 min Scan# 1847
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:163 Resp: 6053832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 2.9 | 4.3 |
| 164 | 10.1 | 7.9 | 11.9 |

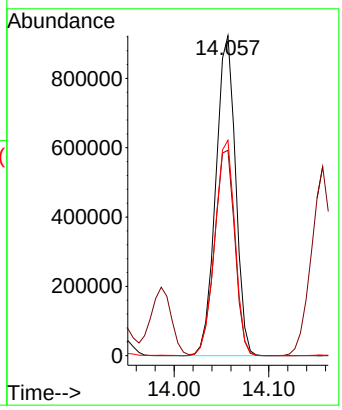





#51
2,6-Dinitrotoluene
Concen: 88.032 ng
RT: 14.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:165 Resp: 133980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 64.2 | 54.2 | 81.2 |
| 89 | 67.3 | 56.4 | 84.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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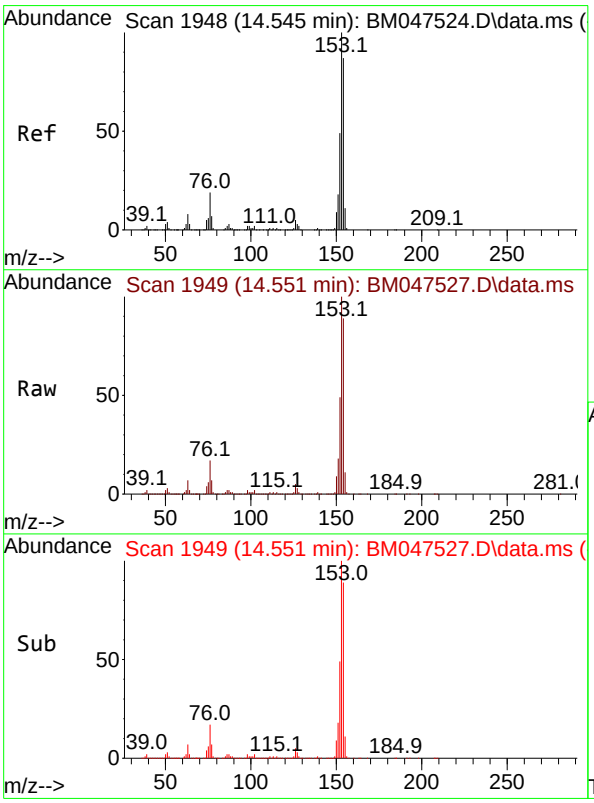
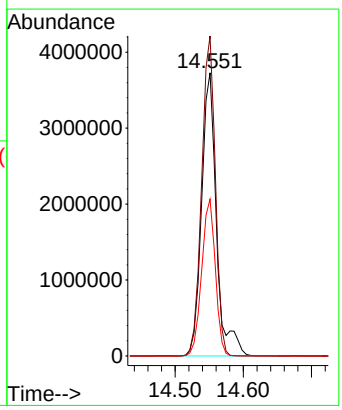
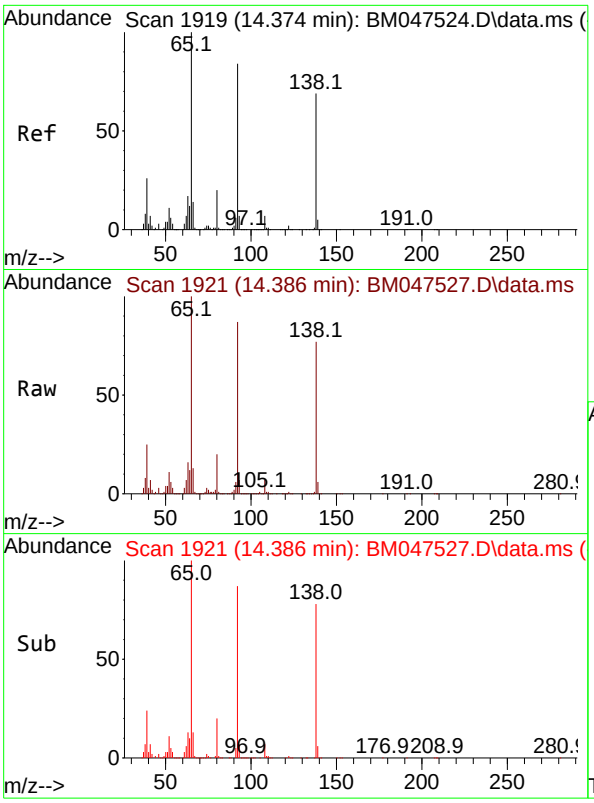



#52
Acenaphthene
Concen: 87.391 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:154 Resp: 5646673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.0 | 92.2 | 138.2 |
| 152 | 55.4 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 89.143 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:138 Resp: 150799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.2 | 8.0 | 12.0 |
| 92 | 112.7 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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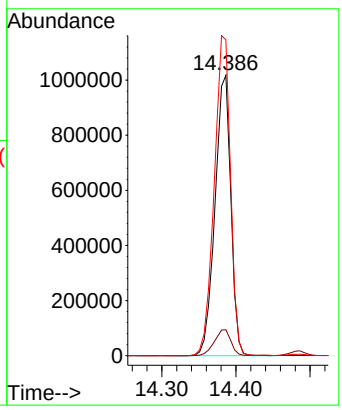
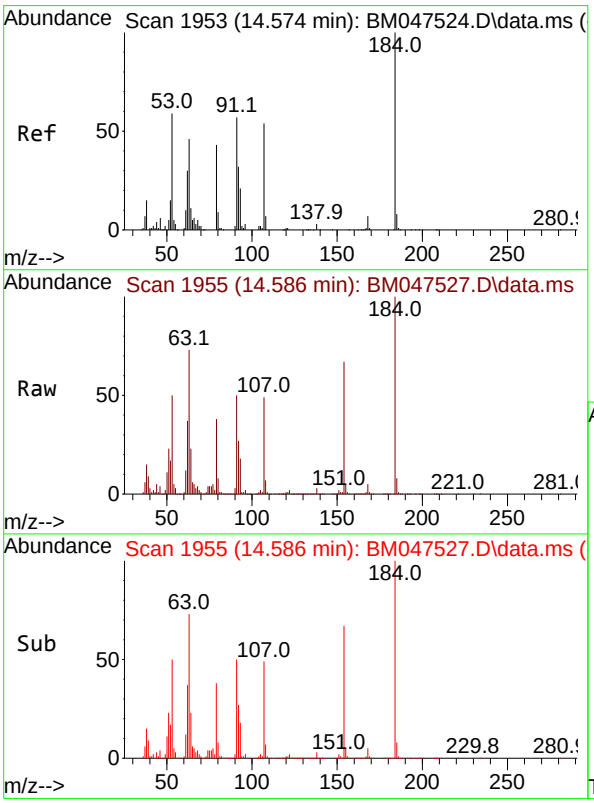
Supervised By :mohammad ahmed 09/17/2024

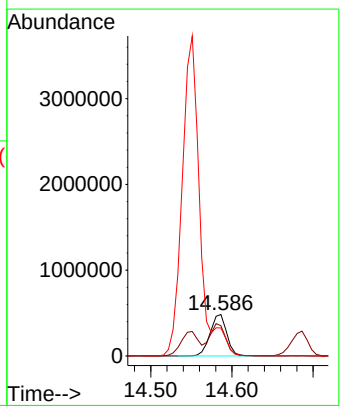


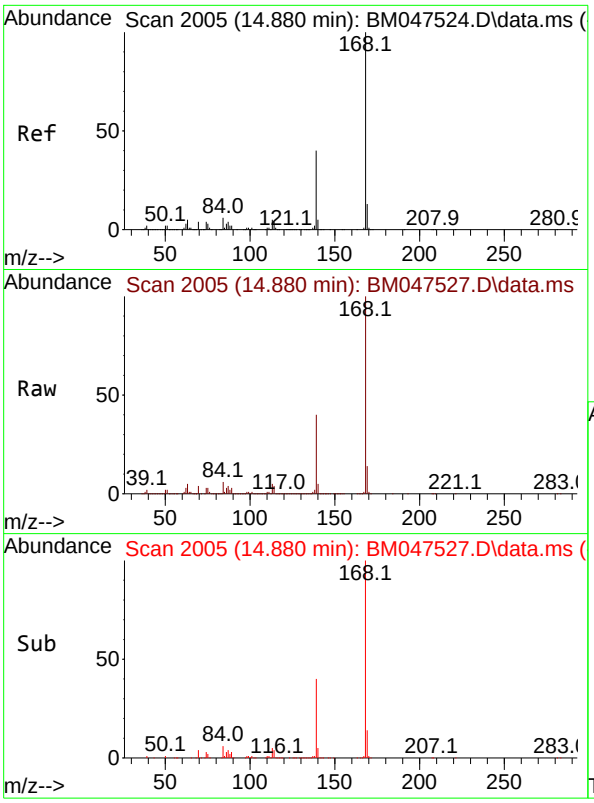




#54
2,4-Dinitrophenol
Concen: 80.155 ng
RT: 14.586 min Scan# 1955
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:184 Resp: 687253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 73.0 | 69.4 | 104.0 |
| 154 | 67.5 | 60.4 | 90.6 |

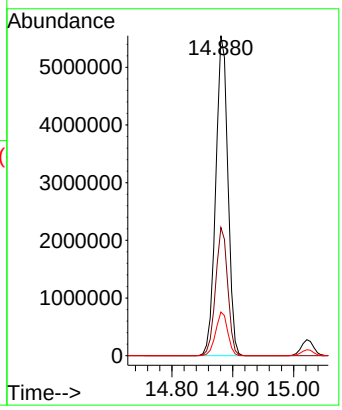





#55
Dibenzofuran
Concen: 84.345 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:168 Resp: 765828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.1 | 31.9 | 47.9 |
| 169 | 13.7 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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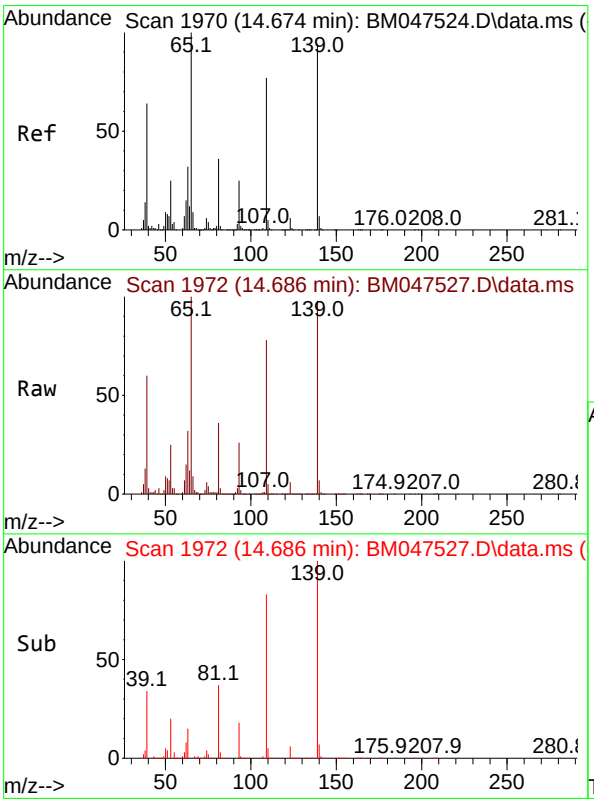
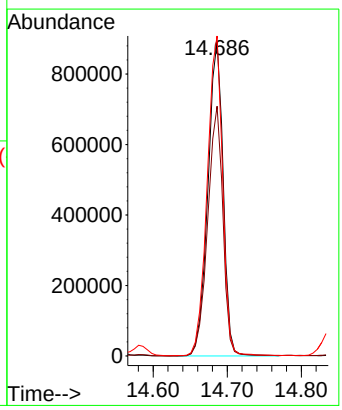
Supervised By :mohammad ahmed 09/17/2024

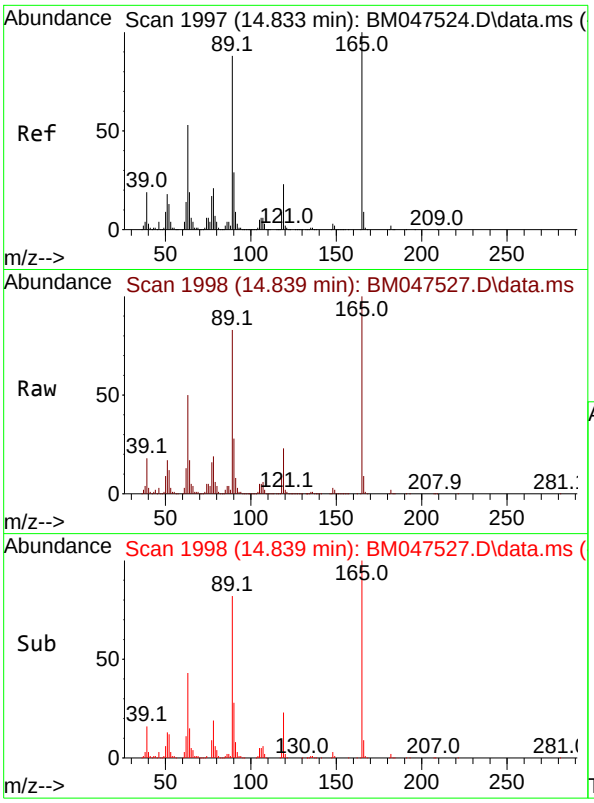



#56
4-Nitrophenol
Concen: 91.631 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:139 Resp: 1275528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 79.3 | 62.0 | 102.0 |
| 65 | 101.6 | 87.0 | 127.0 |

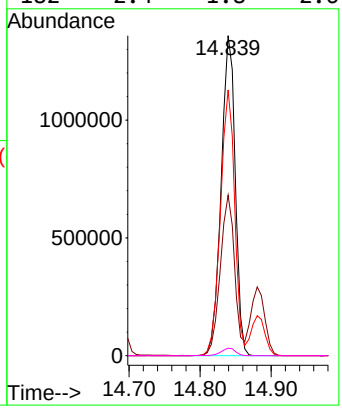





#57
2,4-Dinitrotoluene
Concen: 91.750 ng
RT: 14.839 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:165 Resp: 186234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.2 | 42.4 | 63.6 |
| 89 | 83.0 | 70.5 | 105.7 |
| 182 | 2.4 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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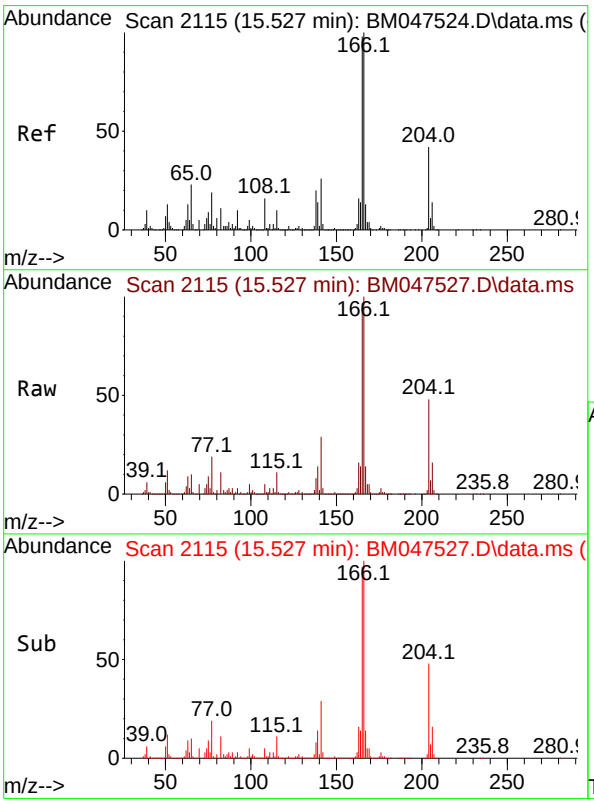
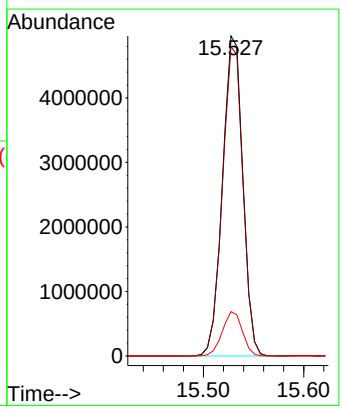
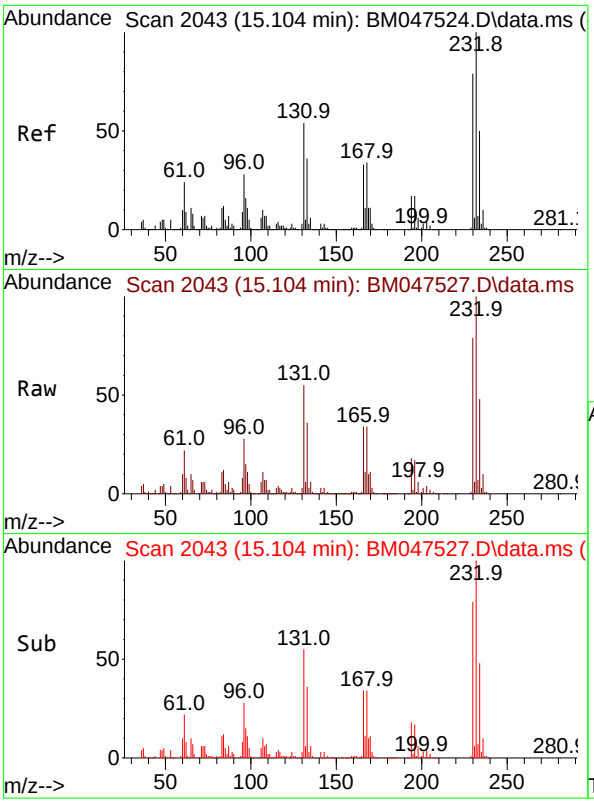



#58
Fluorene
Concen: 85.121 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:166 Resp: 6958364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 78.6 | 117.8 |
| 167 | 13.8 | 10.7 | 16.1 |

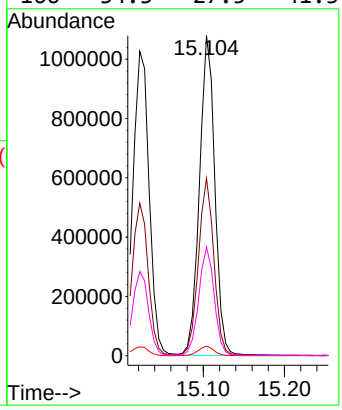





#59
2,3,4,6-Tetrachlorophenol
Concen: 89.803 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:232 Resp: 141810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 56.0 | 47.0 | 70.4 |
| 130 | 3.1 | 2.6 | 3.8 |
| 166 | 34.3 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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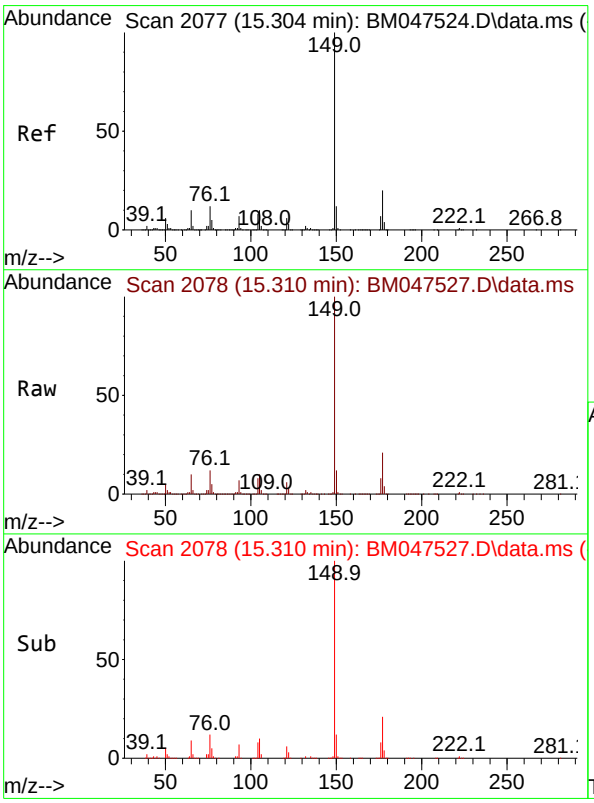
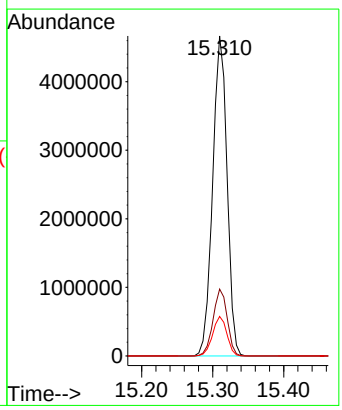
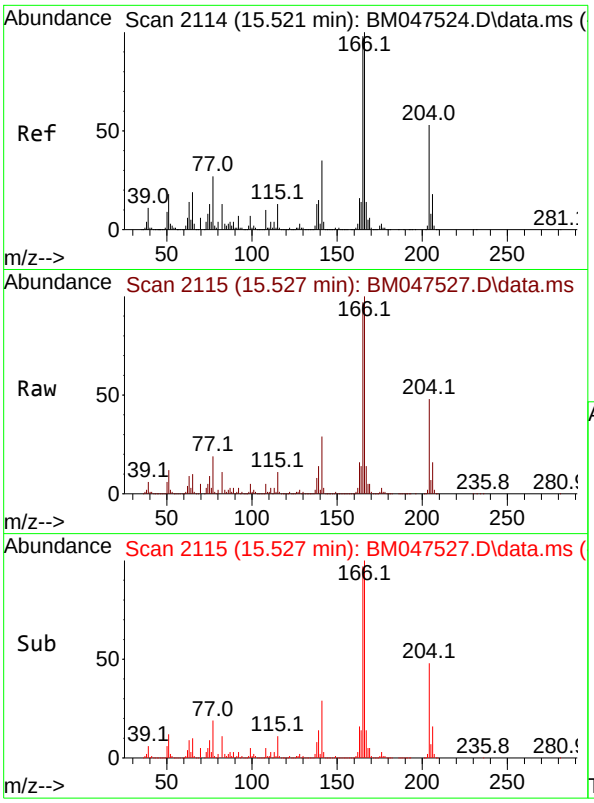



#60
Diethylphthalate
Concen: 85.346 ng
RT: 15.310 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp: 6548466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 15.8 | 23.8 |
| 150 | 12.4 | 9.7 | 14.5 |

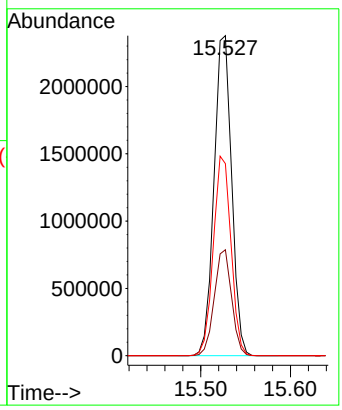





#61
4-Chlorophenyl-phenylether
Concen: 86.689 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:204 Resp: 324023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.5 | 39.7 |
| 141 | 60.0 | 52.1 | 78.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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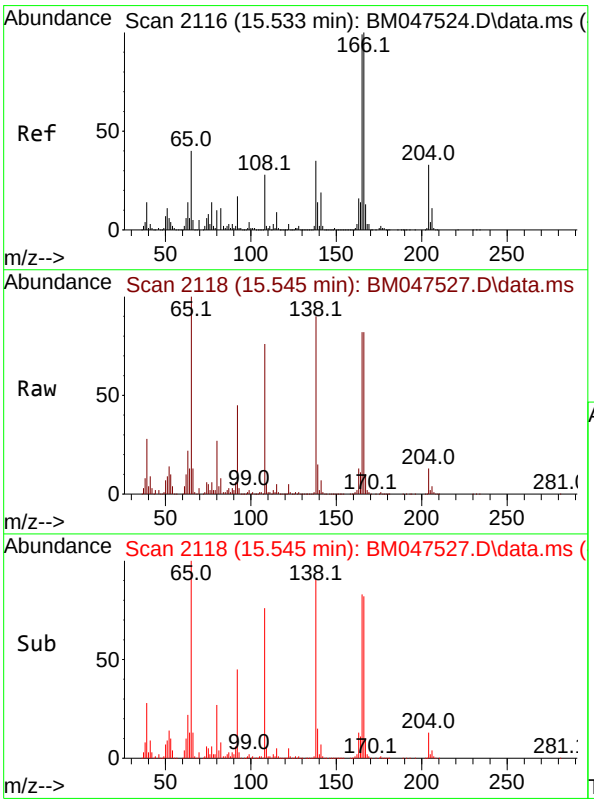
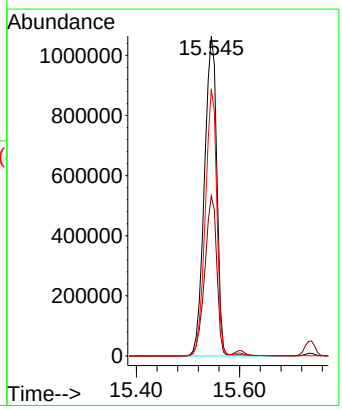
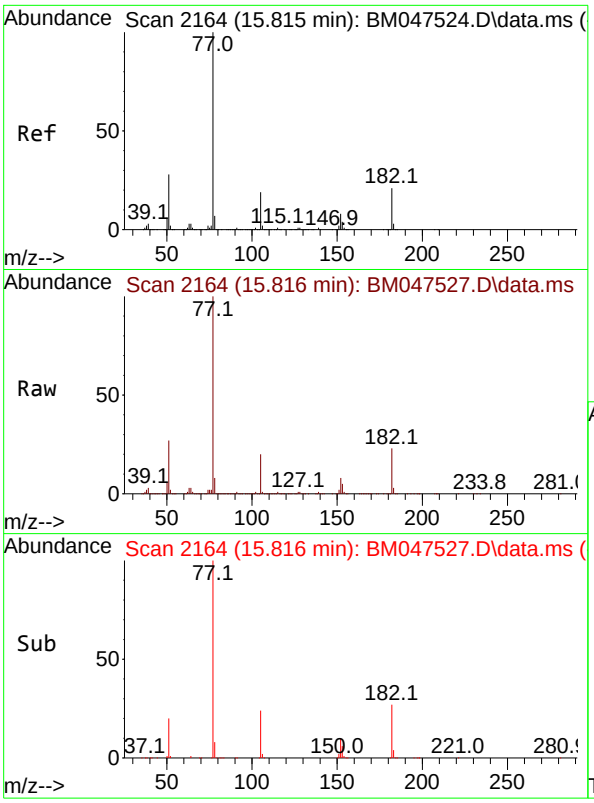



#62
4-Nitroaniline
Concen: 89.247 ng
RT: 15.545 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:138 Resp: 1774673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.0 | 30.0 | 70.0 |
| 108 | 83.5 | 61.7 | 101.7 |

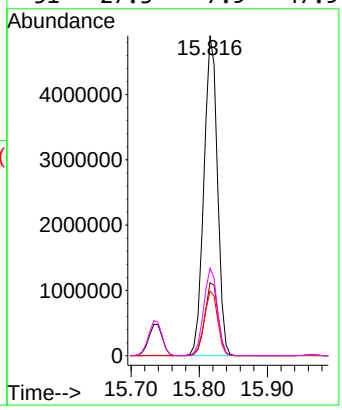





#63
Azobenzene
Concen: 79.939 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion: 77 Resp: 675376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.8 | 1.2 | 41.2 |
| 105 | 20.2 | 0.0 | 39.4 |
| 51 | 27.3 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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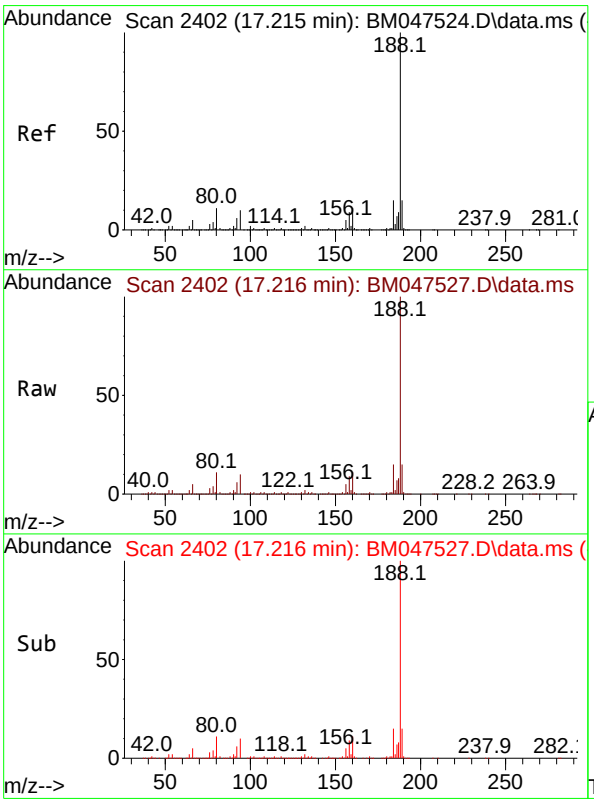
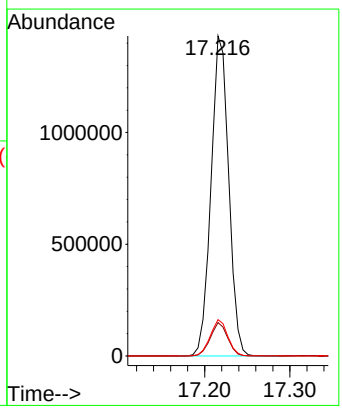
Supervised By :mohammad ahmed 09/17/2024

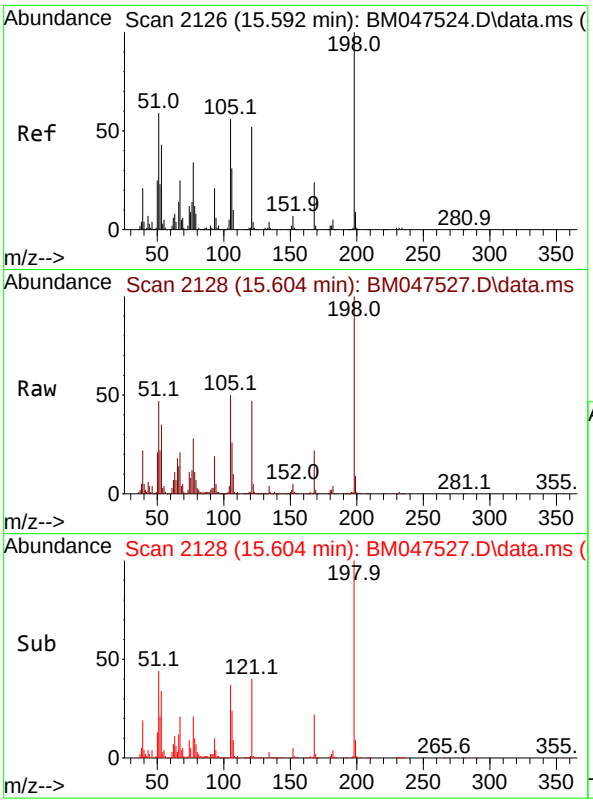



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:188 Resp: 2067717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.4 | 12.6 |
| 80 | 11.3 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 82.293 ng
RT: 15.604 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:198 Resp: 93013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 47.4 | 41.5 | 81.5 |
| 105 | 49.7 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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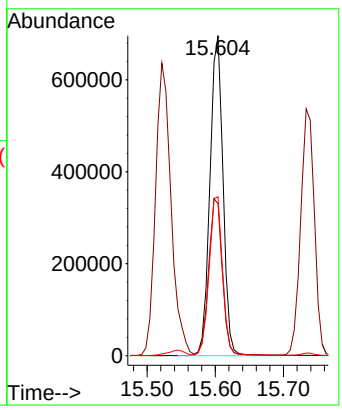
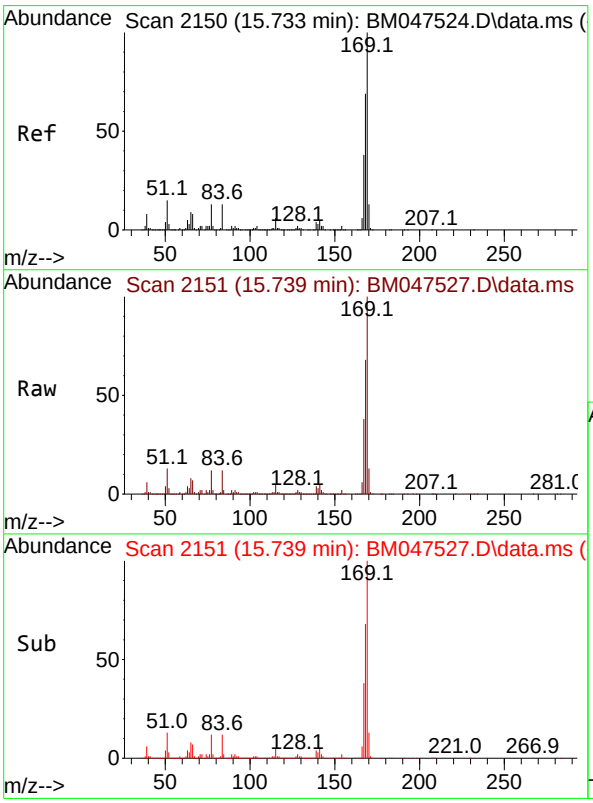
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

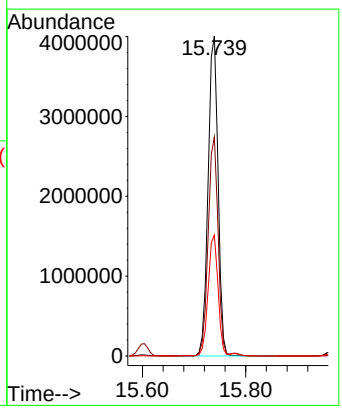


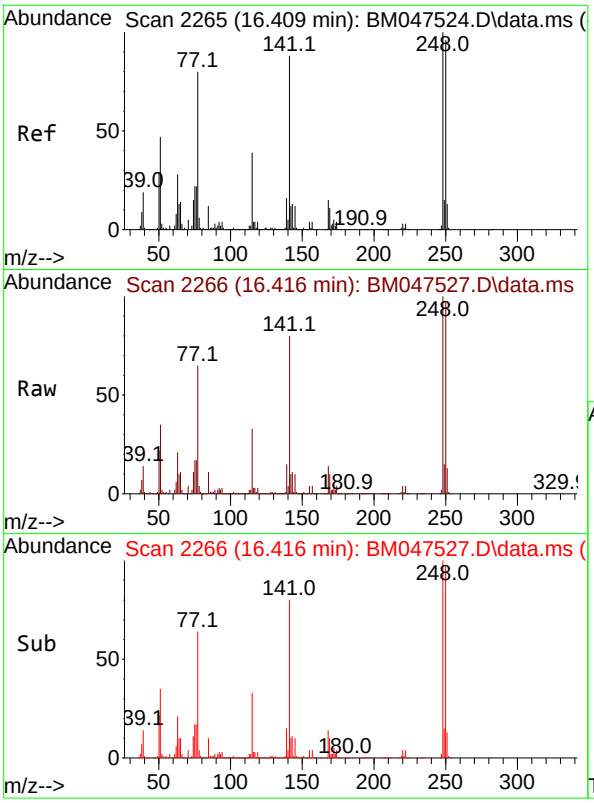




#66
n-Nitrosodiphenylamine
Concen: 84.468 ng
RT: 15.739 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:169 Resp: 5343062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.4 | 55.3 | 82.9 |
| 167 | 37.9 | 30.5 | 45.7 |

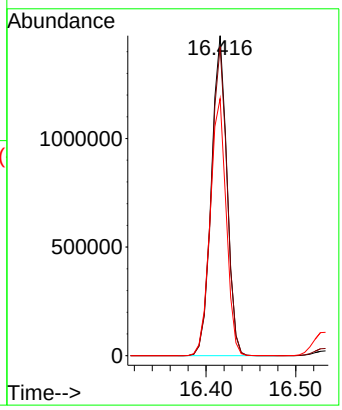





#67
4-Bromophenyl-phenylether
Concen: 88.401 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:248 Resp: 177608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.6 | 76.9 | 115.3 |
| 141 | 80.4 | 70.8 | 106.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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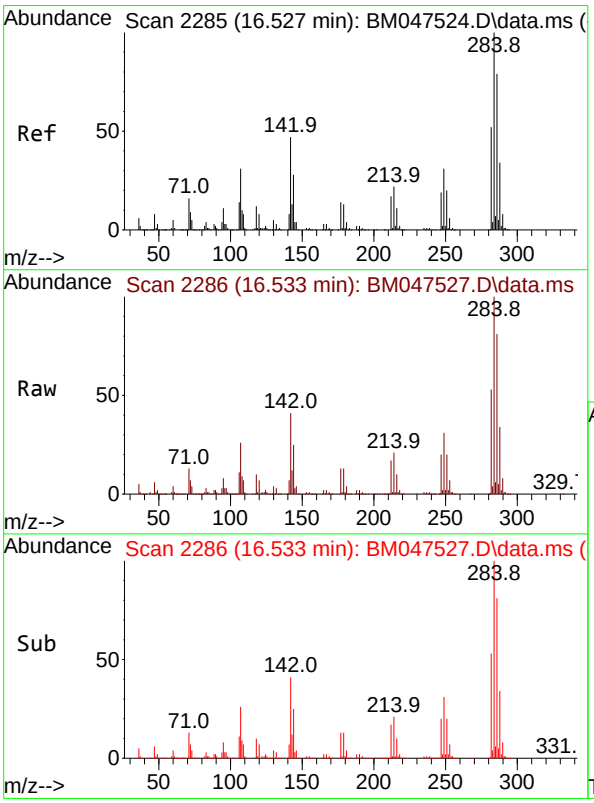
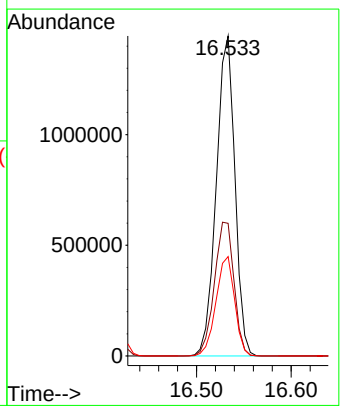
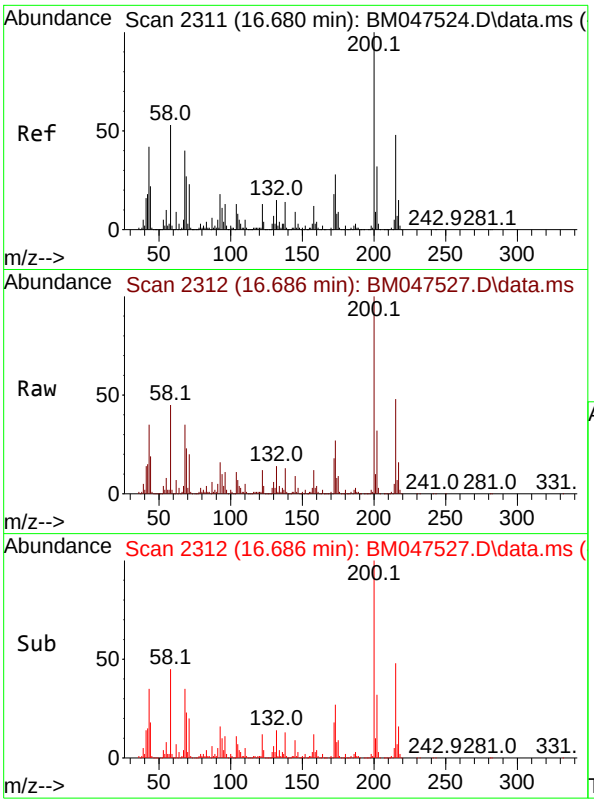



#68
Hexachlorobenzene
Concen: 86.722 ng
RT: 16.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:284 Resp: 1973858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 41.5 | 37.3 | 55.9 |
| 249 | 31.1 | 24.5 | 36.7 |

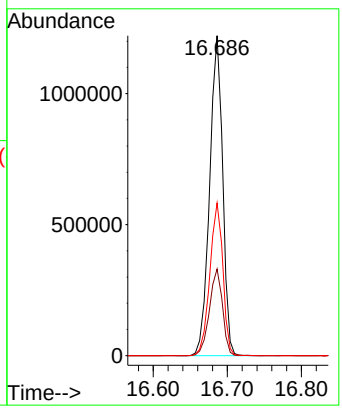





#69
Atrazine
Concen: 85.338 ng
RT: 16.686 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:200 Resp: 149199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 7.7 | 47.7 |
| 215 | 47.7 | 27.9 | 67.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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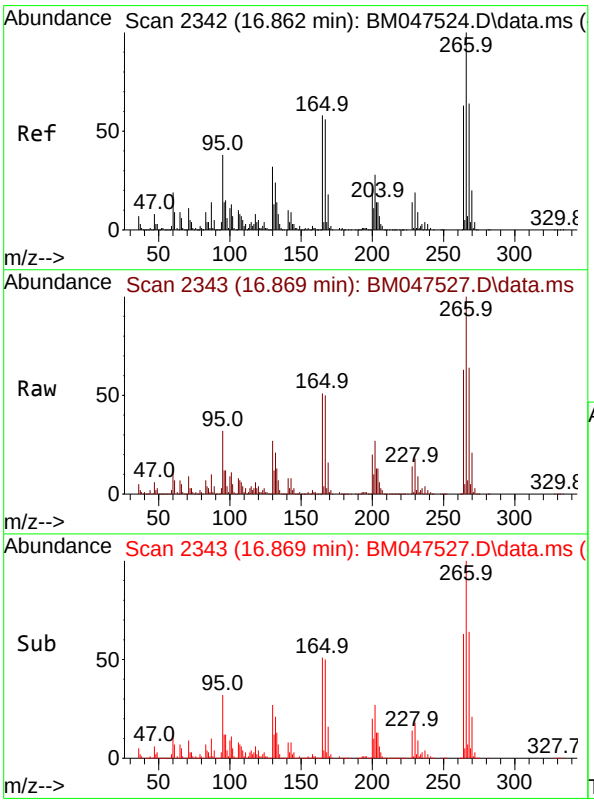
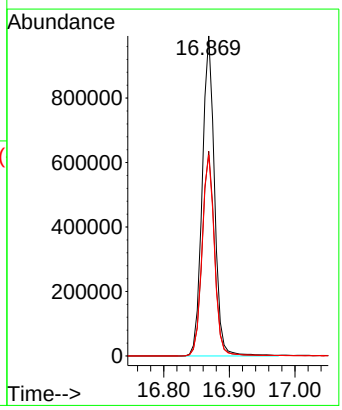
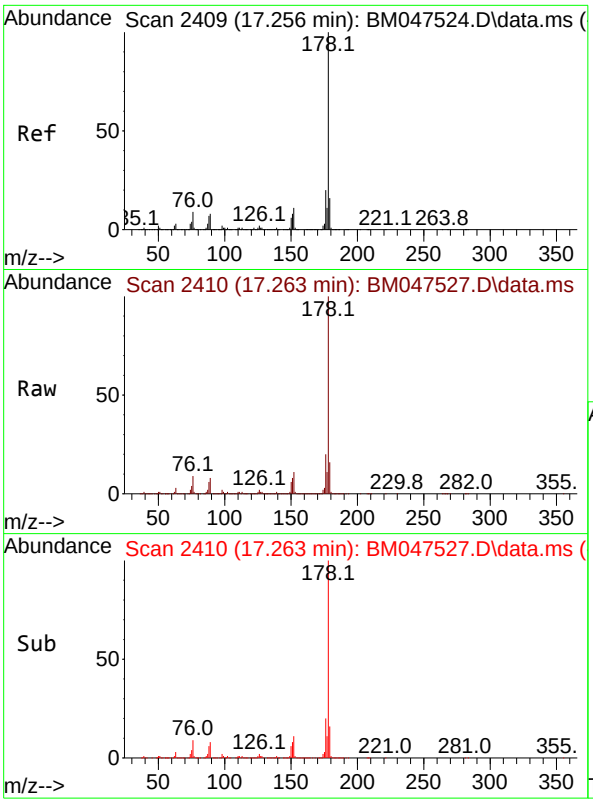



#70
Pentachlorophenol
Concen: 98.154 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:266 Resp: 1295032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.0 | 76.4 |
| 264 | 62.8 | 50.4 | 75.6 |






#71
Phenanthrene
Concen: 84.419 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:178 Resp: 961966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.3 | 16.0 | 24.0 |
| 179 | 15.9 | 12.4 | 18.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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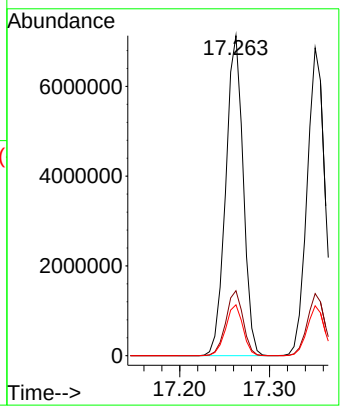
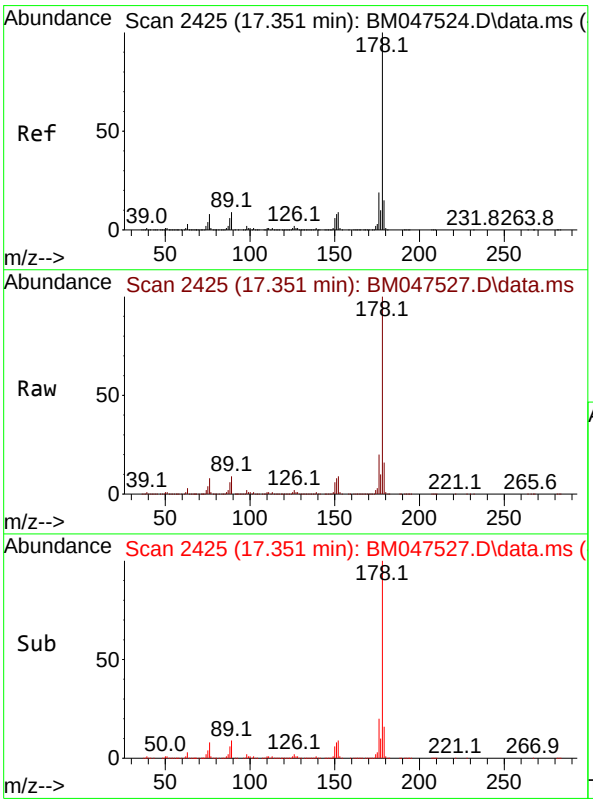
Supervised By :mohammad ahmed 09/17/2024

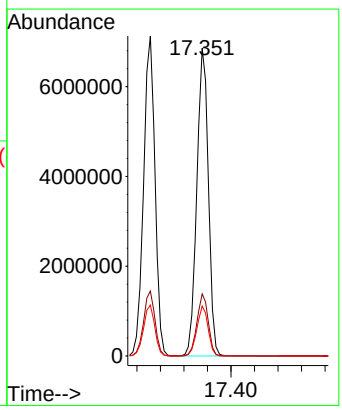


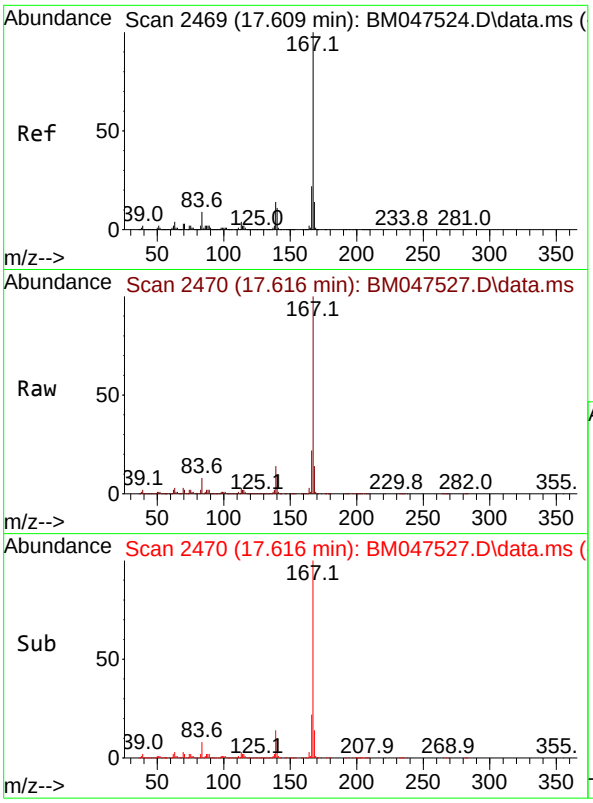




#72
Anthracene
Concen: 85.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:178 Resp: 9345063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 15.4 | 23.0 |
| 179 | 16.2 | 12.3 | 18.5 |

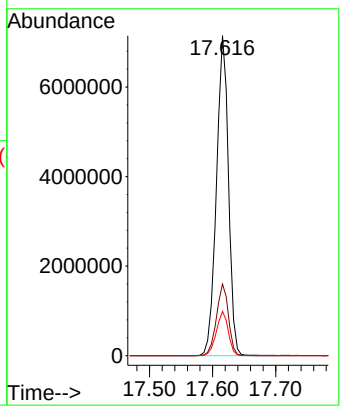





#73
Carbazole
Concen: 87.074 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:167 Resp: 944726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.4 | 17.8 | 26.8 |
| 139 | 13.9 | 11.0 | 16.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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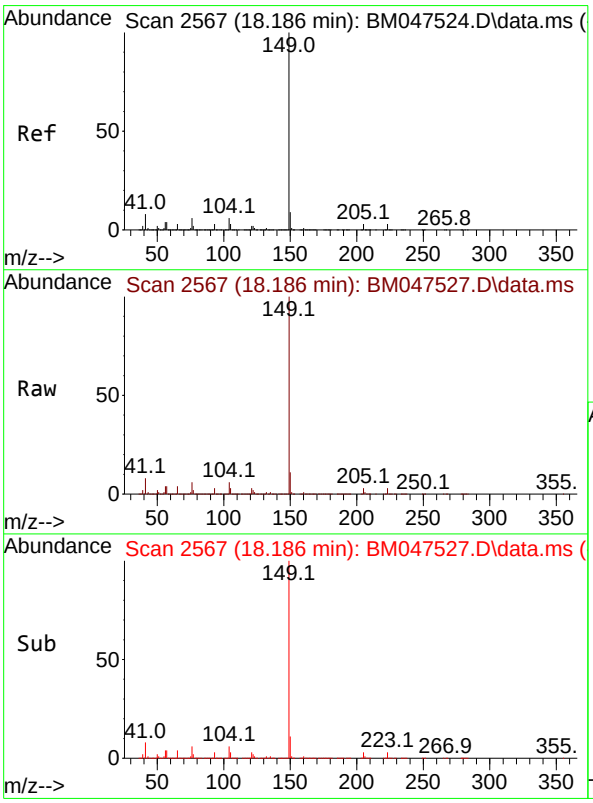
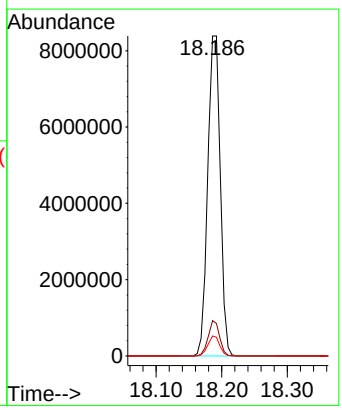
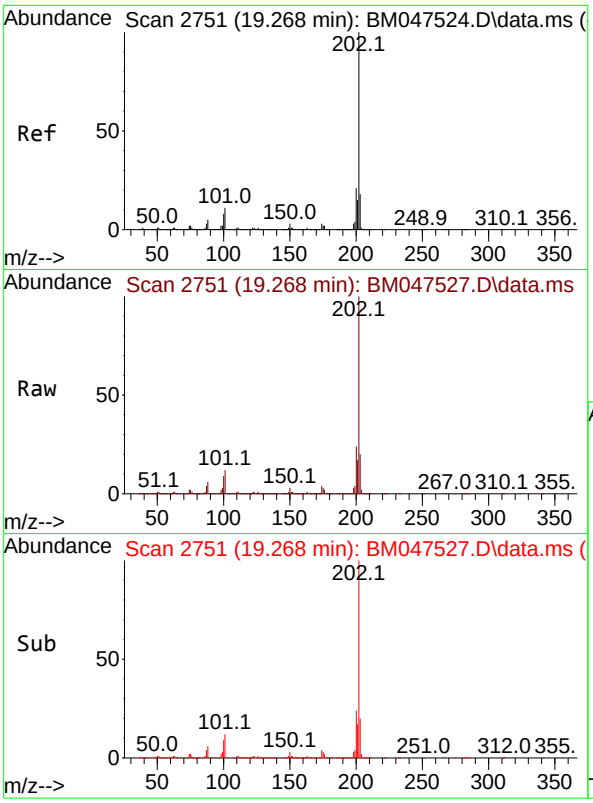



#74
Di-n-butylphthalate
Concen: 86.054 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp:11171302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 11.1 | 7.4 | 11.2 |
| 104 | 6.3 | 4.6 | 6.8 |

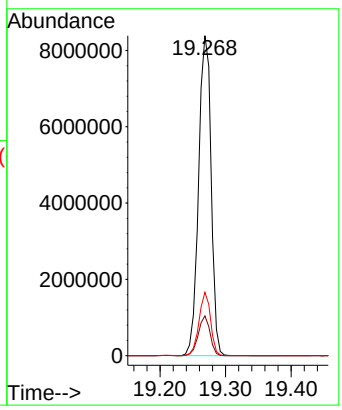





#75
Fluoranthene
Concen: 89.637 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:202 Resp:1114444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 30.8 |
| 203 | 19.8 | 0.0 | 37.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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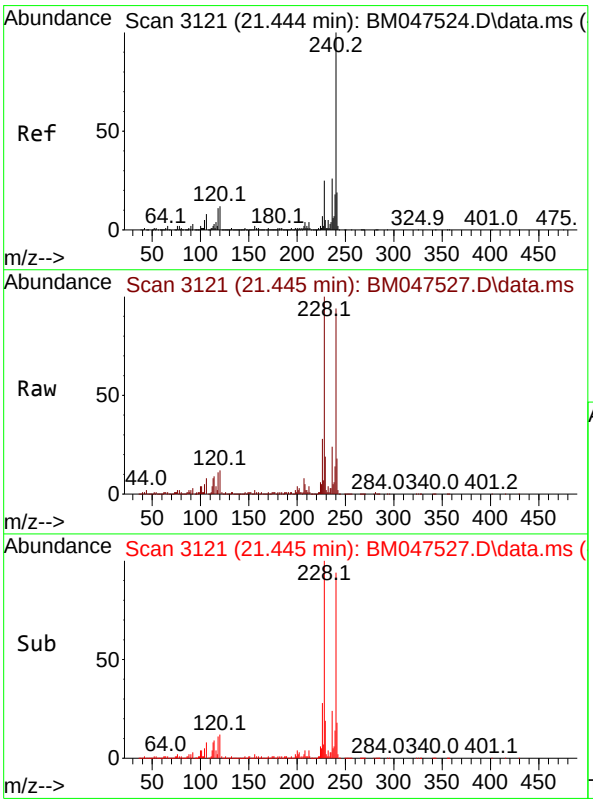
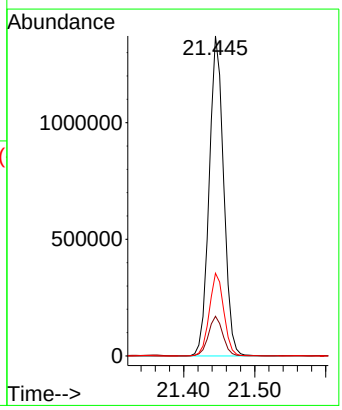
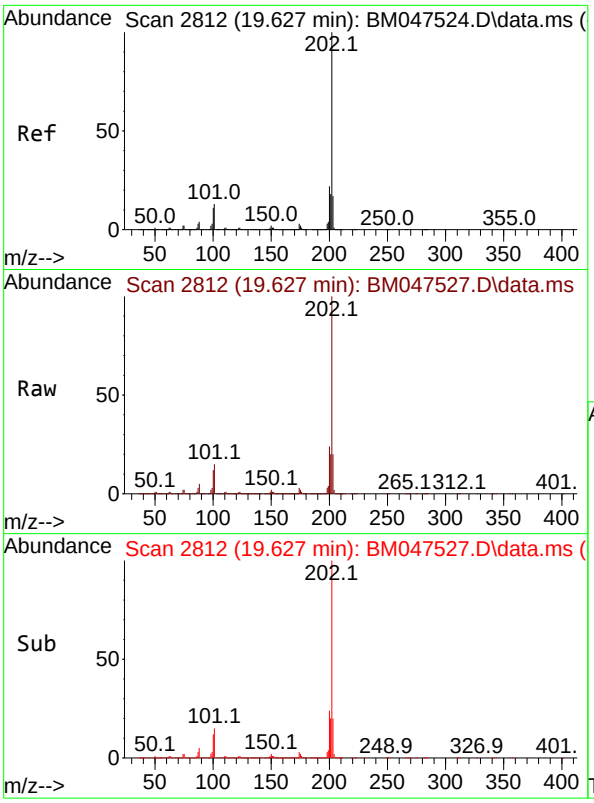



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.001 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:240 Resp: 1942846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 9.6 | 14.4 |
| 236 | 25.9 | 20.9 | 31.3 |

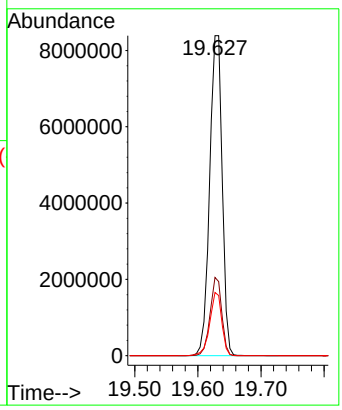





#78
Pyrene
Concen: 81.473 ng
RT: 19.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:202 Resp:1154601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 24.4 | 17.2 | 25.8 |
| 203 | 19.8 | 14.0 | 21.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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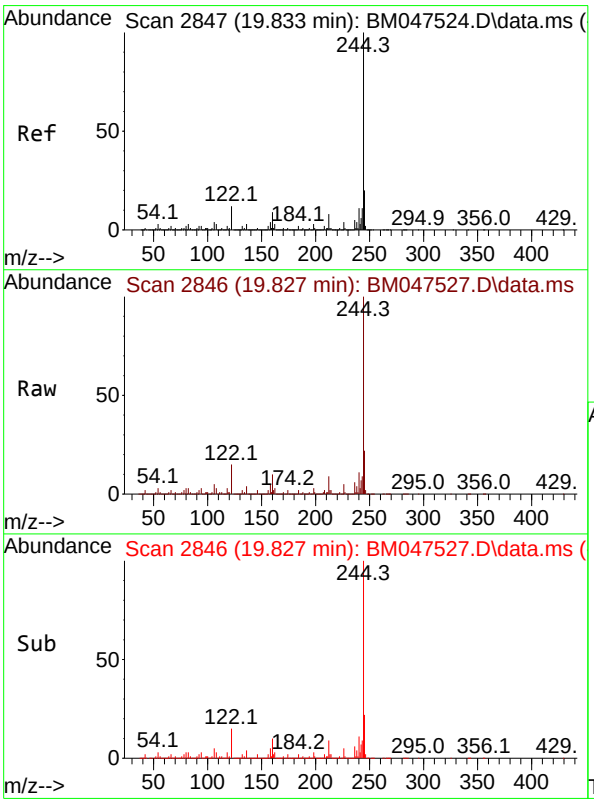
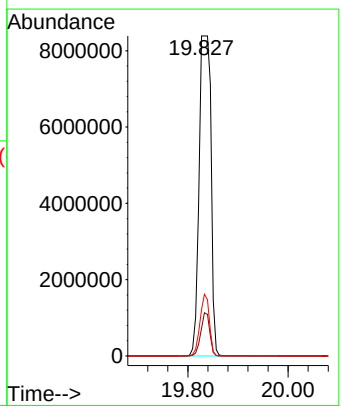
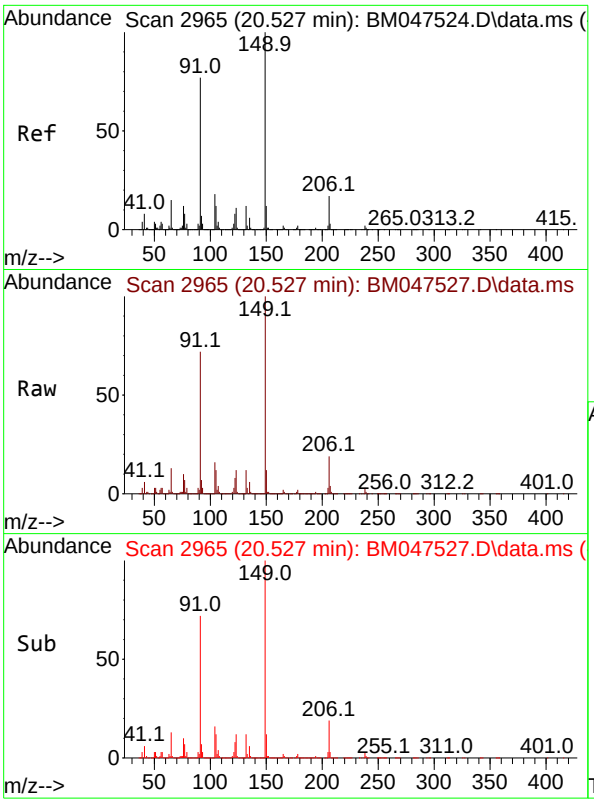



#79
Terphenyl-d14
Concen: 127.289 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:244 Resp:13800852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 6.2 | 9.2 |
| 122 | 14.5 | 9.6 | 14.4# |

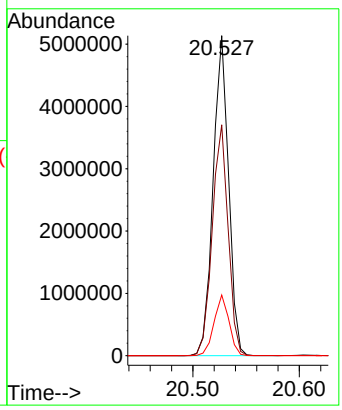





#80
Butylbenzylphthalate
Concen: 94.758 ng
RT: 20.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp: 516943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.2 | 62.0 | 93.0 |
| 206 | 19.0 | 13.8 | 20.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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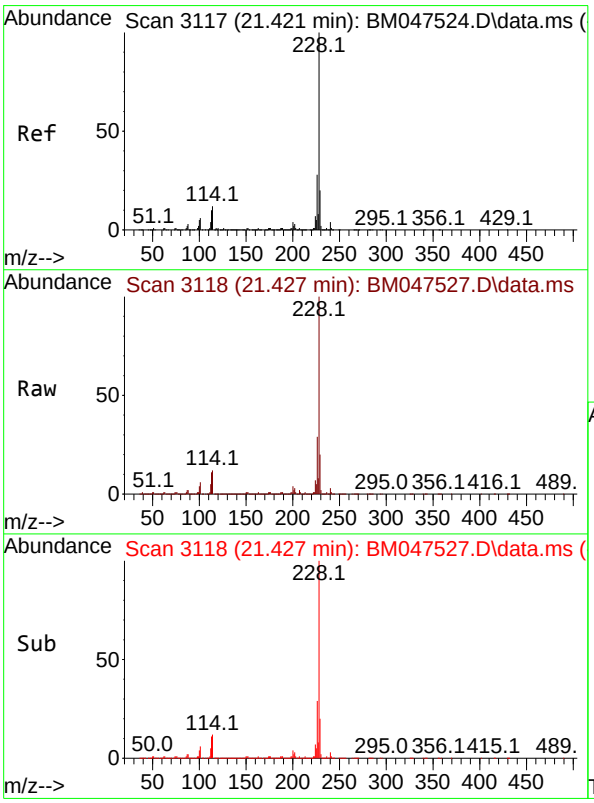
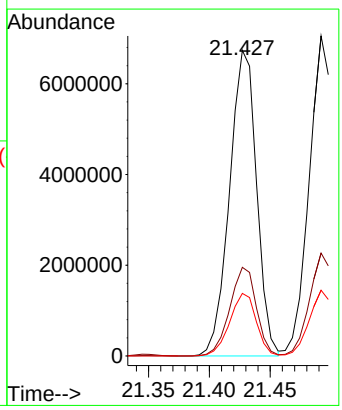
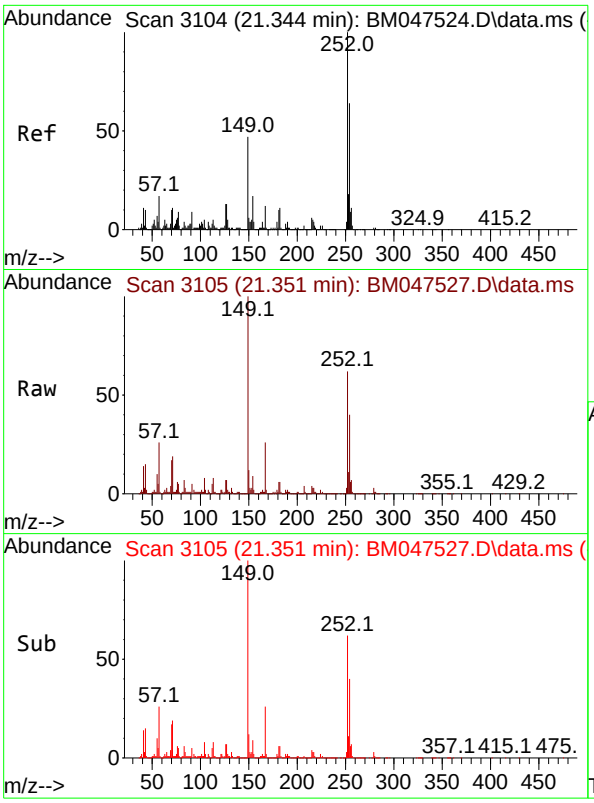



#81
Benzo(a)anthracene
Concen: 82.413 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:228 Resp:10436413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.4 | 33.6 |
| 229 | 20.5 | 16.0 | 24.0 |

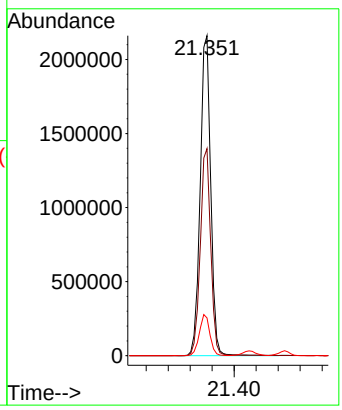





#82
3,3'-Dichlorobenzidine
Concen: 85.067 ng
RT: 21.351 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 286558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.5 | 77.3 |
| 126 | 11.8 | 10.3 | 15.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

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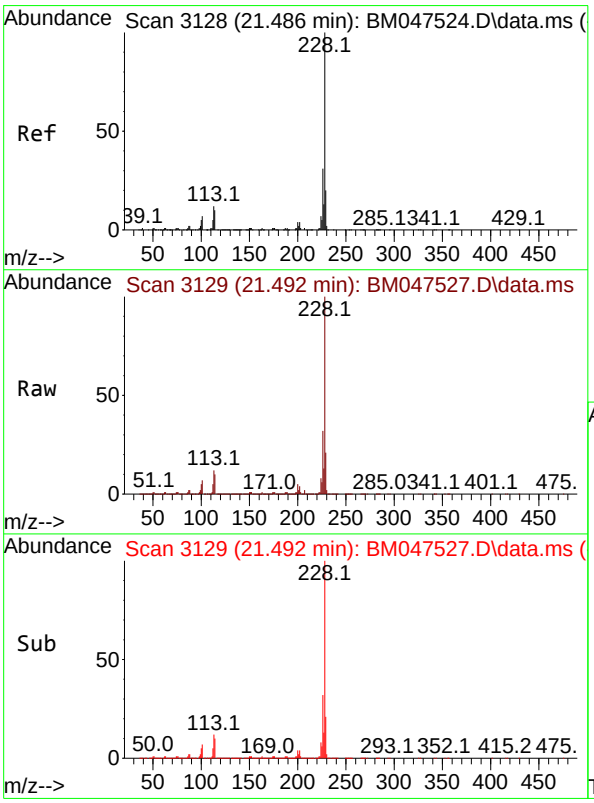
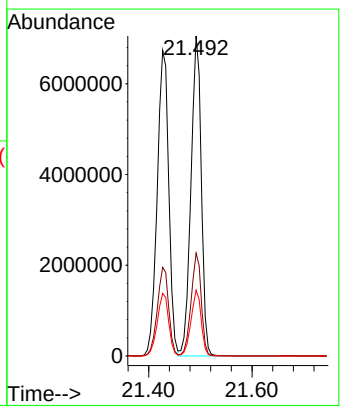
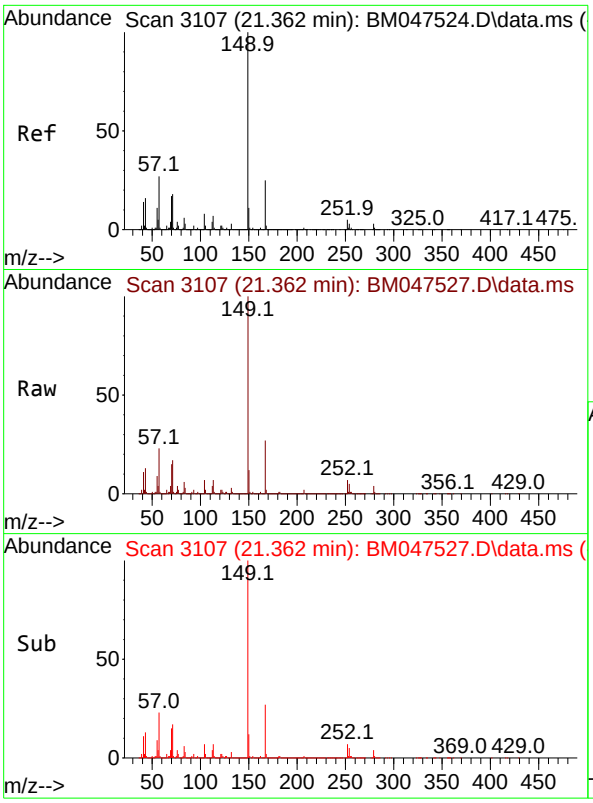



#83
Chrysene
Concen: 81.737 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:228 Resp: 9790429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 25.0 | 37.6 |
| 229 | 20.6 | 15.9 | 23.9 |






#84
Bis(2-ethylhexyl)phthalate
Concen: 94.112 ng
RT: 21.362 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

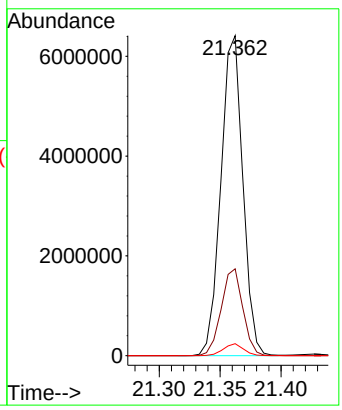
Tgt Ion:149 Resp: 804294

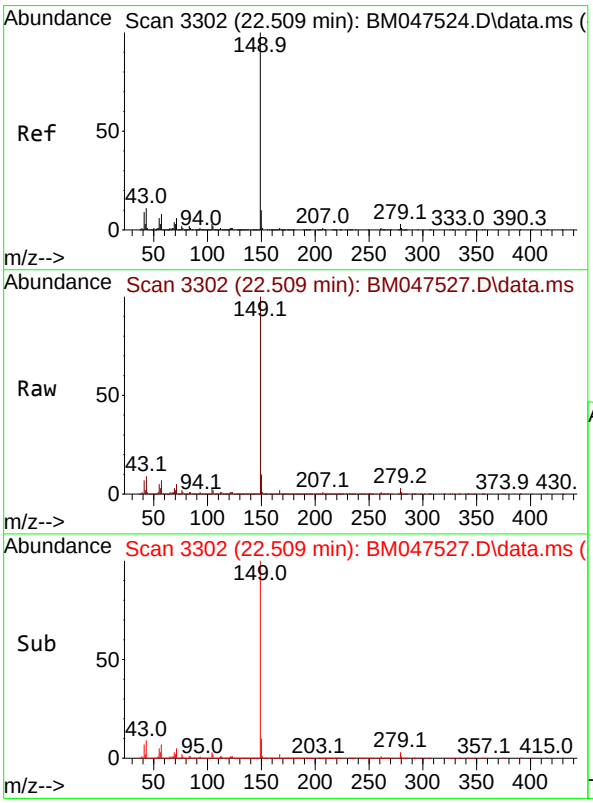
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 20.2 | 30.4 |
| 279 | 3.7 | 2.6 | 4.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

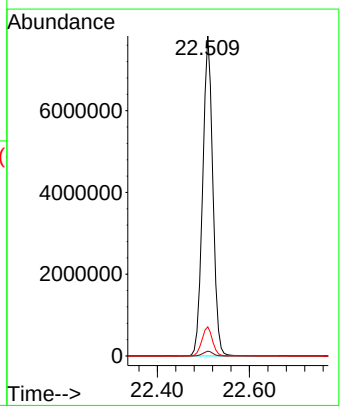


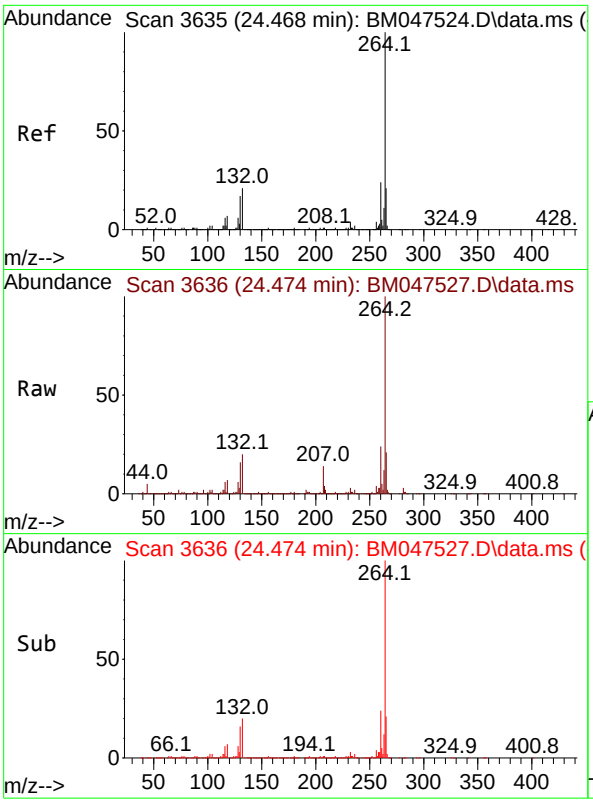




#85
Di-n-octyl phthalate
Concen: 99.636 ng
RT: 22.509 min Scan# 3302
Delta R.T. 0.000 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:149 Resp:12044470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.1 | 1.7 |
| 43 | 9.5 | 8.9 | 13.3 |

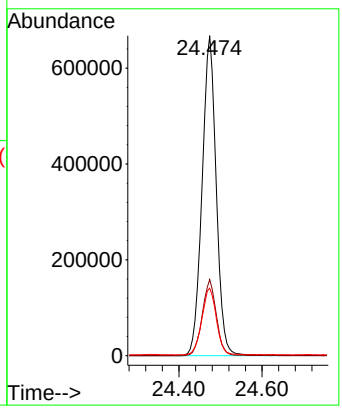





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:264 Resp: 157639

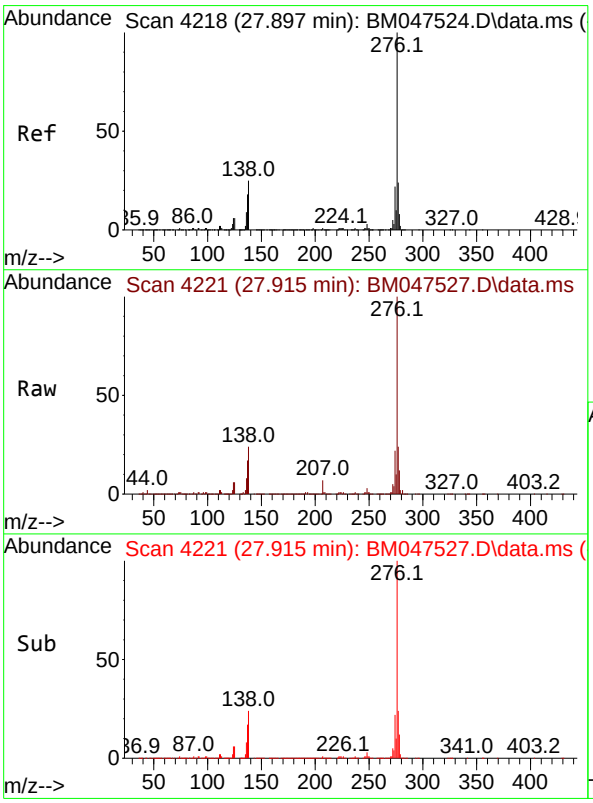
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.9 | 28.3 |
| 265 | 21.1 | 17.4 | 26.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

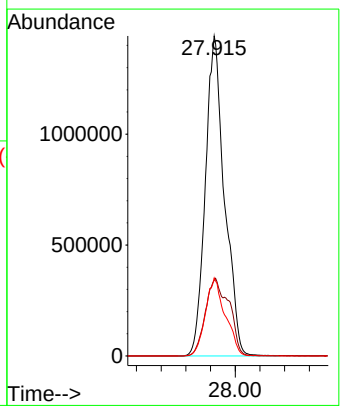
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

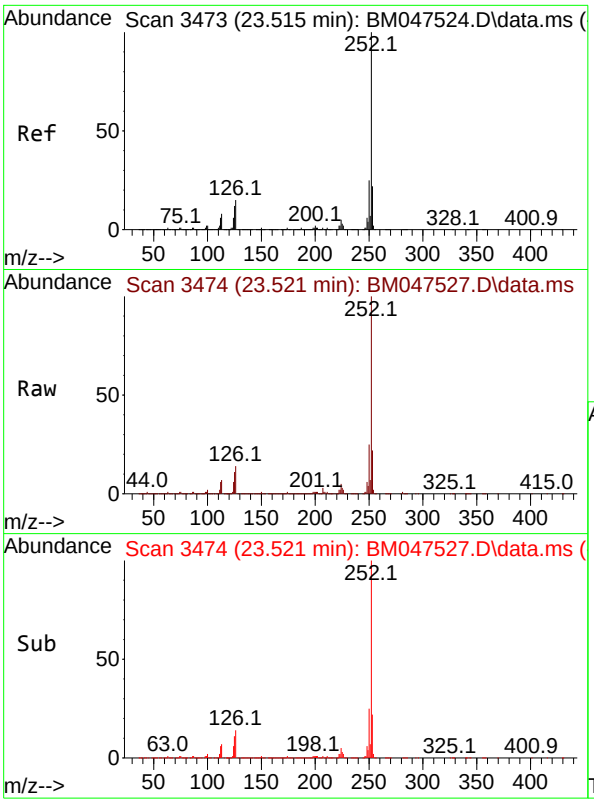



#87
Indeno(1,2,3-cd)pyrene
Concen: 82.411 ng
RT: 27.915 min Scan# 4221
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:276 Resp: 7774612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.9 | 25.0 | 37.6 |
| 277 | 25.3 | 20.1 | 30.1 |

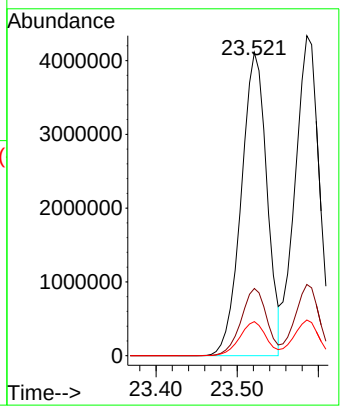





#88
Benzo(b)fluoranthene
Concen: 88.549 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 903158

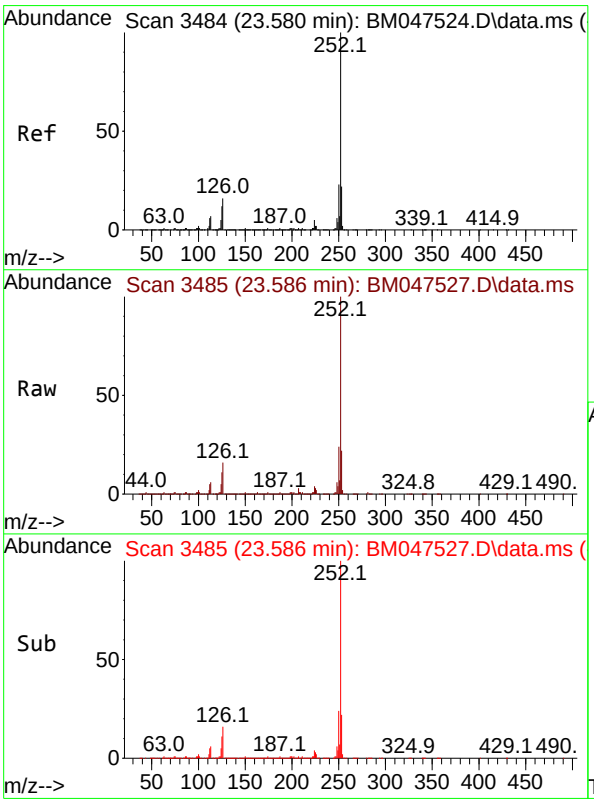
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.8 |
| 125 | 11.2 | 9.5 | 14.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

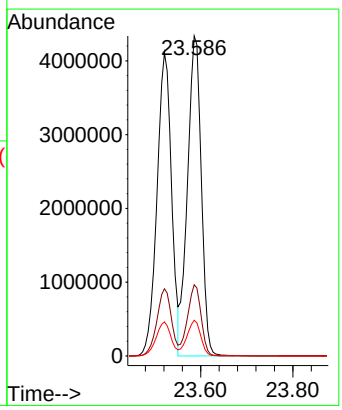
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

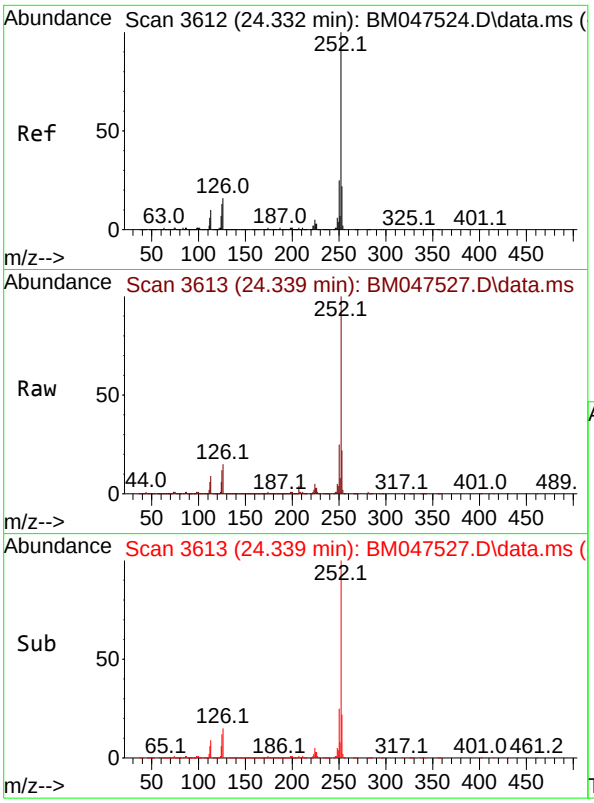



#89
Benzo(k)fluoranthene
Concen: 88.828 ng
RT: 23.586 min Scan# 3485
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 8979117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 11.2 | 9.5 | 14.3 |

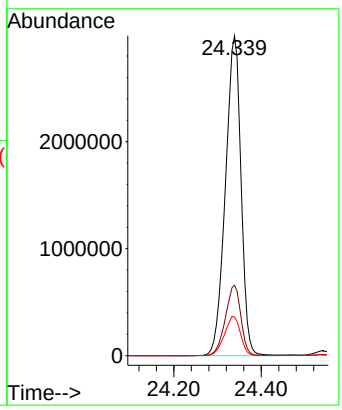





#90
Benzo(a)pyrene
Concen: 88.303 ng
RT: 24.339 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:252 Resp: 738176

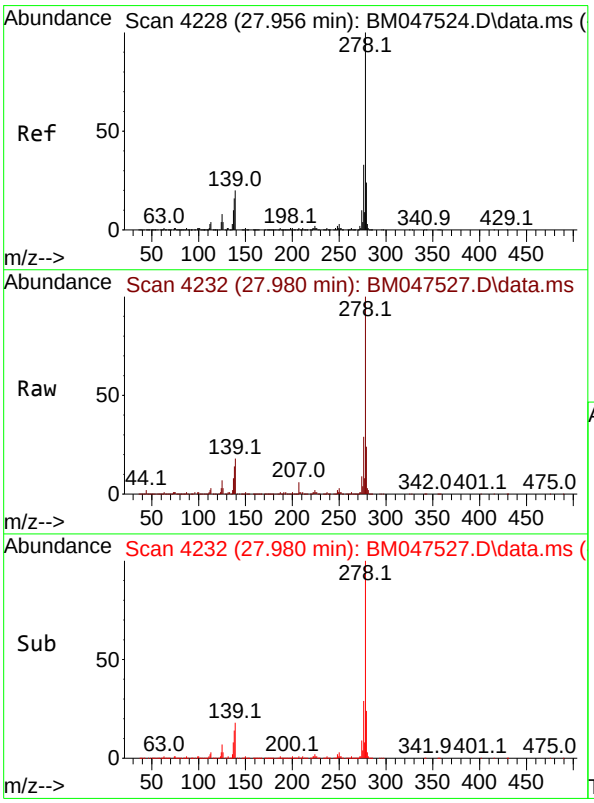
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 12.1 | 10.2 | 15.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

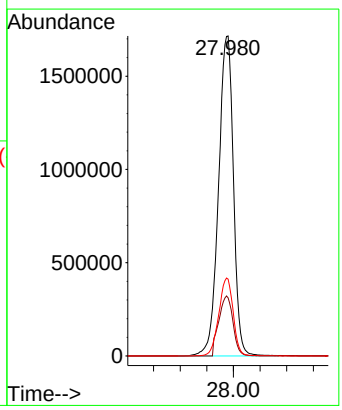
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

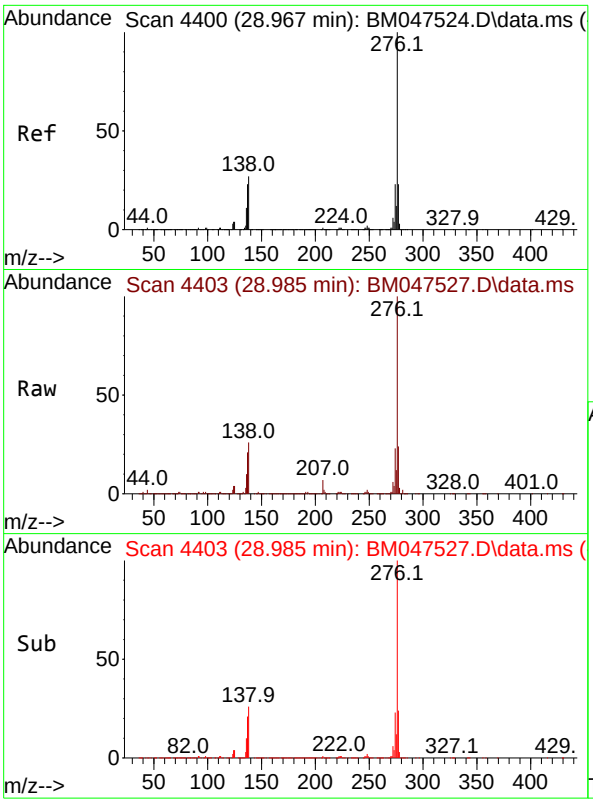



#91
Dibenzo(a,h)anthracene
Concen: 84.077 ng
RT: 27.980 min Scan# 4232
Delta R.T. 0.024 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:278 Resp: 6673296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.1 | 15.9 | 23.9 |
| 279 | 24.0 | 19.3 | 28.9 |

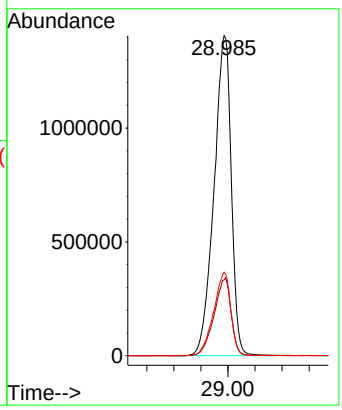





#92
Benzo(g,h,i)perylene
Concen: 80.358 ng
RT: 28.985 min Scan# 44
Delta R.T. 0.018 min
Lab File: BM047527.D
Acq: 14 Sep 2024 16:34

Tgt Ion:276 Resp: 623038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.6 | 28.0 |
| 138 | 26.1 | 21.5 | 32.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 433518 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.645 | 136 | 1934458 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.480 | 164 | 1155790 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.215 | 188 | 2184120 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 2018814 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 1739593 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 2153145 | 79.080 | ng | 0.00 |
| 7) Phenol-d6 | 7.010 | 99 | 3115031 | 81.240 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.004 | 82 | 3054251 | 79.016 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.963 | 330 | 968206 | 86.666 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.110 | 172 | 6760498 | 80.575 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 9440273 | 83.794 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 436365 | 37.418 | ng | 98 |
| 3) Pyridine | 3.716 | 79 | 1328681m | 38.276 | ng | |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 591123 | 37.531 | ng | 97 |
| 6) Aniline | 7.175 | 93 | 1362320 | 40.075 | ng | 100 |
| 8) 2-Chlorophenol | 7.416 | 128 | 1213673 | 40.435 | ng | 98 |
| 9) Benzaldehyde | 6.987 | 77 | 776761 | 42.604 | ng | 99 |
| 10) Phenol | 7.034 | 94 | 1538335 | 40.068 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 1225620 | 39.763 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 1291907 | 39.323 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.887 | 146 | 1312526 | 39.224 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.204 | 146 | 1296593 | 39.373 | ng | 98 |
| 15) Benzyl Alcohol | 8.087 | 79 | 1073257 | 41.322 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381 | 45 | 1676915m | 38.676 | ng | |
| 17) 2-Methylphenol | 8.287 | 107 | 1004306 | 40.947 | ng | 98 |
| 18) Hexachloroethane | 8.934 | 117 | 521681 | 39.026 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.657 | 70 | 1067626 | 41.297 | ng | 99 |
| 20) 3+4-Methylphenols | 8.616 | 107 | 1406257 | 41.091 | ng | 100 |
| 22) Acetophenone | 8.669 | 105 | 2006112 | 39.445 | ng | 99 |
| 24) Nitrobenzene | 9.045 | 77 | 1557585 | 39.215 | ng | 99 |
| 25) Isophorone | 9.575 | 82 | 2743005 | 40.365 | ng | 99 |
| 26) 2-Nitrophenol | 9.757 | 139 | 606239 | 44.791 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 827489 | 40.331 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93 | 1684233 | 39.457 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.292 | 162 | 1082009 | 41.509 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.510 | 180 | 1183219 | 39.627 | ng | 98 |
| 31) Naphthalene | 10.698 | 128 | 4109028 | 39.330 | ng | 100 |
| 32) Benzoic acid | 9.957 | 122 | 819547 | 41.565 | ng | 98 |
| 33) 4-Chloroaniline | 10.798 | 127 | 1516874 | 40.157 | ng | 99 |
| 34) Hexachlorobutadiene | 10.992 | 225 | 650005 | 39.303 | ng | 99 |
| 35) Caprolactam | 11.580 | 113 | 381738 | 44.462 | ng | 92 |
| 36) 4-Chloro-3-methylphenol | 11.922 | 107 | 1239823 | 41.503 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.310 | 142 | 2801320 | 40.287 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.527 | 142 | 2789337 | 40.366 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.674 | 216 | 1232956 | 39.423 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.663 | 237 | 391885 | 38.330 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 819111 | 41.805 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.980 | 196 | 920532 | 41.595 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.316 | 154 | 3562522 | 39.616 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.357 | 162 | 2778294 | 39.789 | ng | | 100 |
| 48) 2-Nitroaniline | 13.551 | 65 | 862825 | 42.070 | ng | | 99 |
| 49) Acenaphthylene | 14.204 | 152 | 4062122 | 40.313 | ng | | 100 |
| 50) Dimethylphthalate | 13.939 | 163 | 3130077 | 39.733 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.051 | 165 | 692880 | 41.664 | ng | | 97 |
| 52) Acenaphthene | 14.545 | 154 | 2855304 | 40.442 | ng | | 99 |
| 53) 3-Nitroaniline | 14.374 | 138 | 780701 | 42.236 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.580 | 184 | 303273 | 41.320 | ng | | 91 |
| 55) Dibenzofuran | 14.880 | 168 | 3929087 | 39.603 | ng | | 100 |
| 56) 4-Nitrophenol | 14.674 | 139 | 666432 | 43.814 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.833 | 165 | 944153 | 42.569 | ng | | 100 |
| 58) Fluorene | 15.527 | 166 | 3652975 | 40.896 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 714256 | 41.395 | ng | | 100 |
| 60) Diethylphthalate | 15.304 | 149 | 3394013 | 40.482 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204 | 1650317 | 40.407 | ng | | 99 |
| 62) 4-Nitroaniline | 15.533 | 138 | 943457 | 43.422 | ng | | 99 |
| 63) Azobenzene | 15.815 | 77 | 3638400 | 39.412 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 426927 | 39.815 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.733 | 169 | 2709417 | 40.550 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.415 | 248 | 867359 | 40.870 | ng | | 94 |
| 68) Hexachlorobenzene | 16.527 | 284 | 970735 | 40.377 | ng | | 99 |
| 69) Atrazine | 16.680 | 200 | 770740 | 41.735 | ng | | 99 |
| 70) Pentachlorophenol | 16.862 | 266 | 622891 | 44.695 | ng | | 99 |
| 71) Phenanthrene | 17.257 | 178 | 4802982 | 39.903 | ng | | 100 |
| 72) Anthracene | 17.351 | 178 | 4737394 | 40.965 | ng | | 100 |
| 73) Carbazole | 17.615 | 167 | 4733275 | 41.301 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 5807192 | 42.350 | ng | | 100 |
| 75) Fluoranthene | 19.268 | 202 | 5531833 | 42.122 | ng | | 99 |
| 77) Benzidine | 19.445 | 184 | 1045554 | 36.773 | ng | | 99 |
| 78) Pyrene | 19.627 | 202 | 5859728 | 39.792 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.521 | 149 | 2448871 | 43.200 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.421 | 228 | 5336342 | 40.554 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.345 | 252 | 1561668 | 44.615 | ng | | 99 |
| 83) Chrysene | 21.486 | 228 | 5016069 | 40.301 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149 | 3908511 | 44.013 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.503 | 149 | 5845092 | 46.533 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.897 | 276 | 4045117 | 38.856 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 23.515 | 252 | 4654837 | 41.356 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.580 | 252 | 4639524 | 41.592 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.327 | 252 | 3794215 | 41.129 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.962 | 278 | 3421259 | 39.061 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.968 | 276 | 3226301 | 37.708 | ng | | 99 |

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

ICAL Form

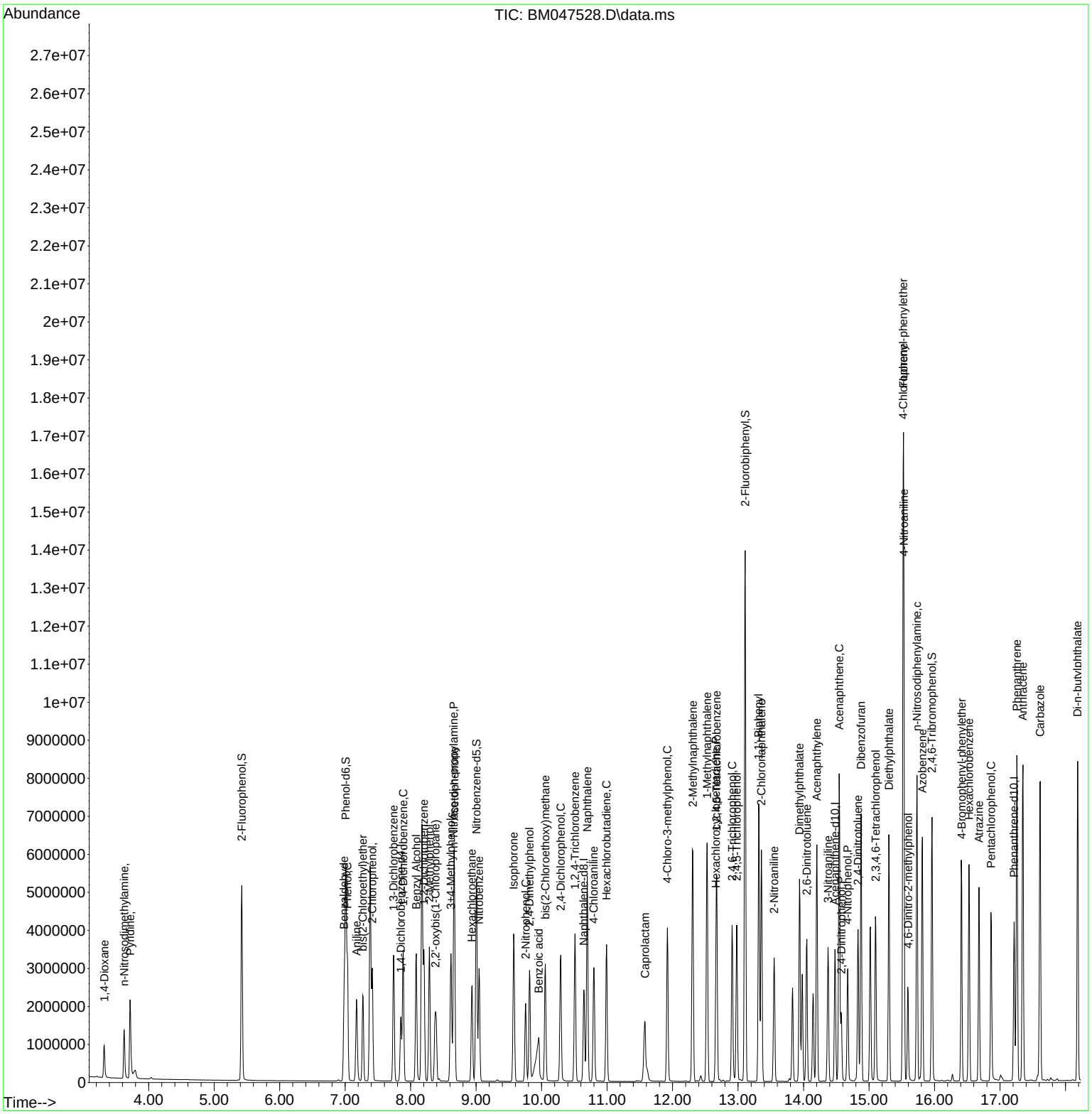
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations APPROVED**

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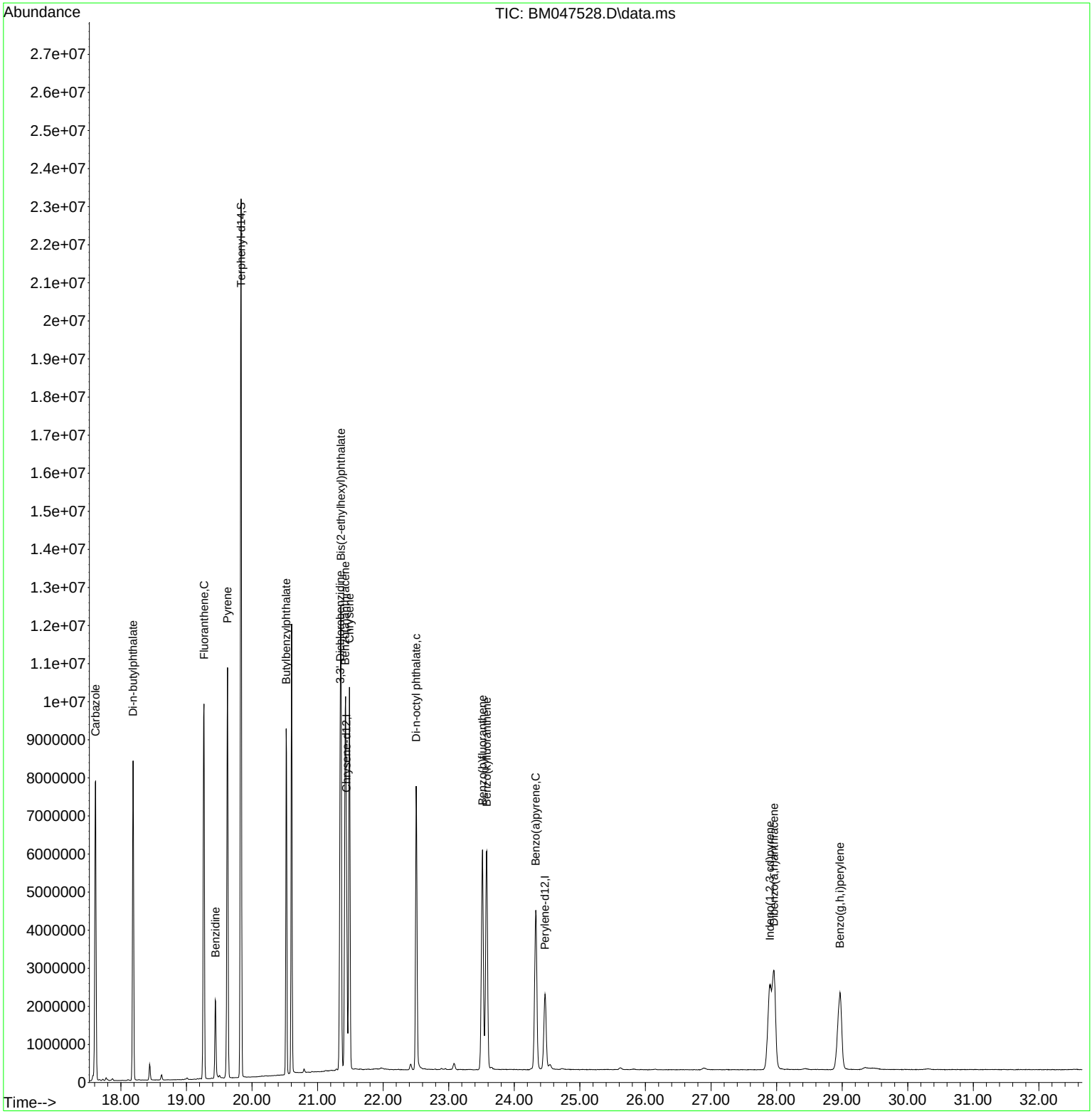
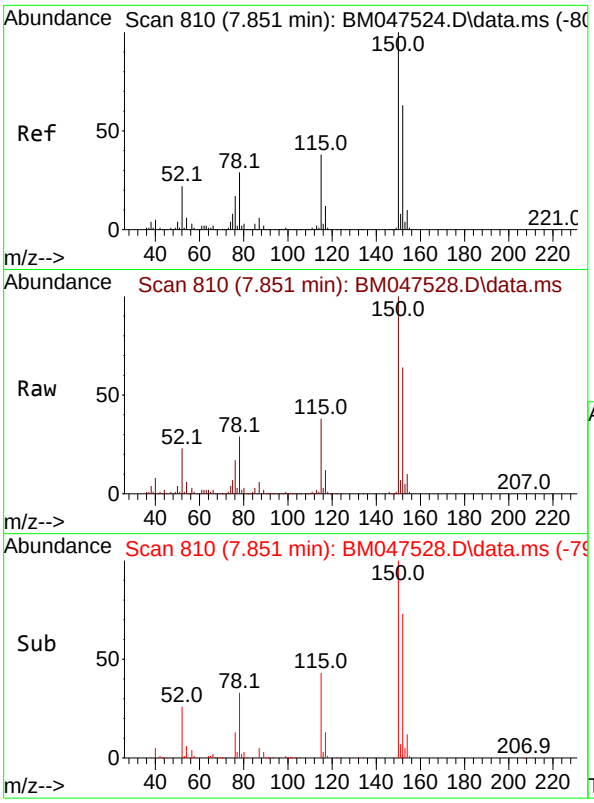
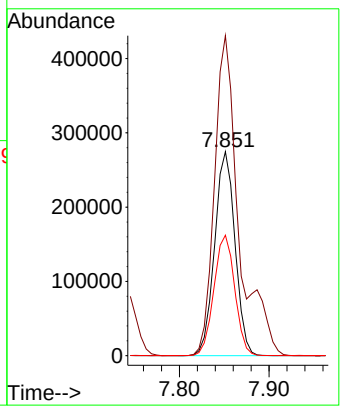





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:152 Resp: 433518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.8 | 126.8 | 190.2 |
| 115 | 59.1 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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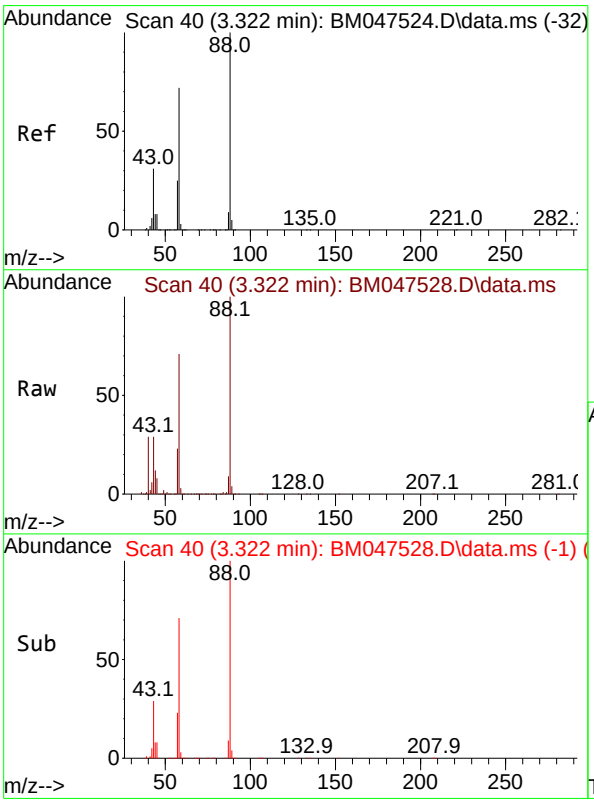
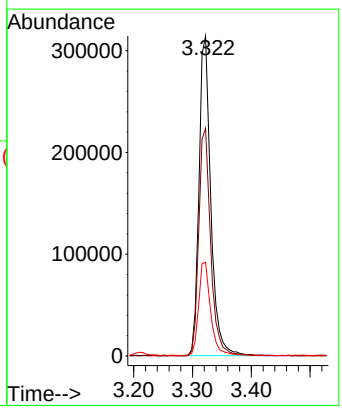
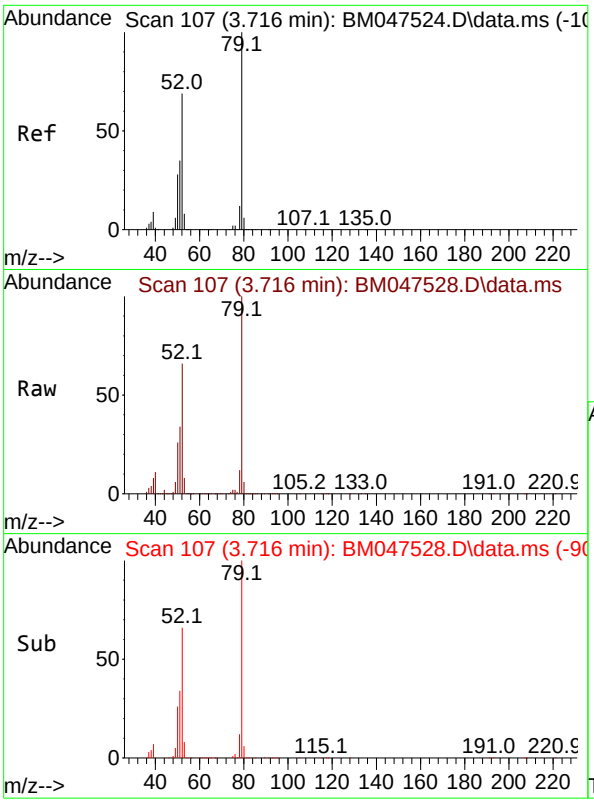



#2
1,4-Dioxane
Concen: 37.418 ng
RT: 3.322 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 88 Resp: 436365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.4 | 59.0 | 88.6 |
| 43 | 29.9 | 25.0 | 37.4 |

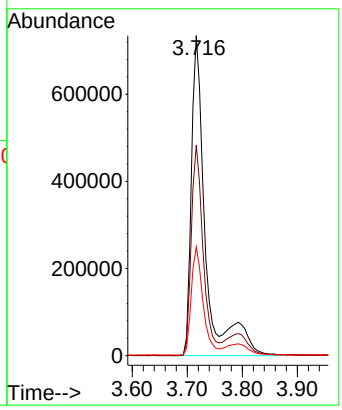





#3
Pyridine
Concen: 38.276 ng m
RT: 3.716 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 79 Resp: 132868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.7 | 55.4 | 83.0 |
| 51 | 34.0 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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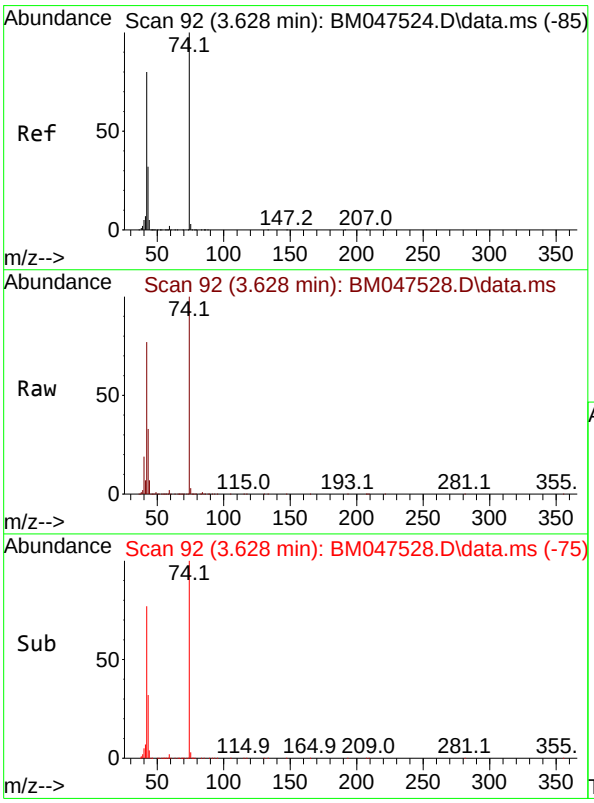
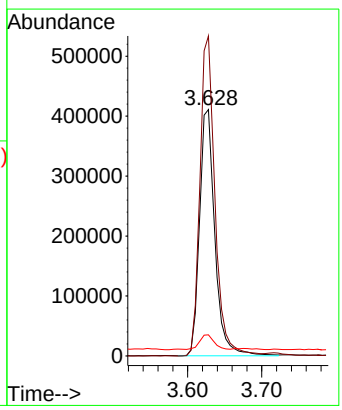
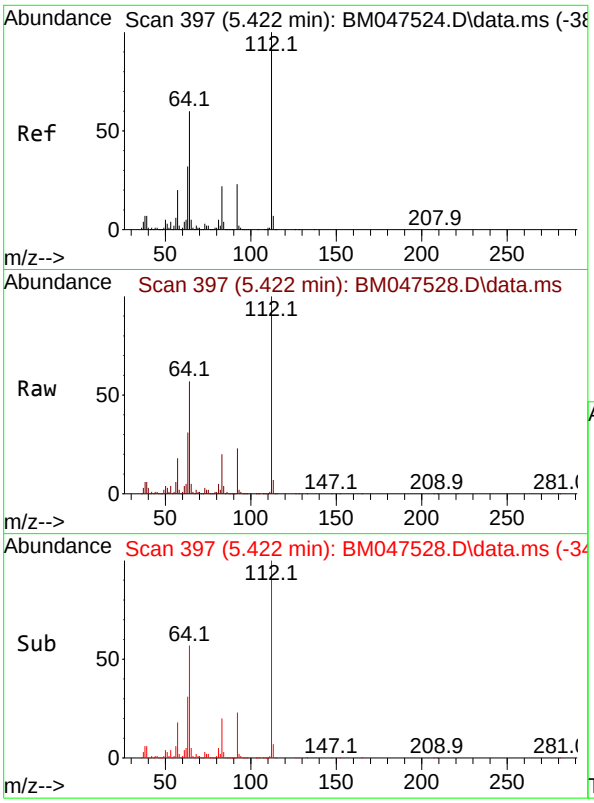



#4
n-Nitrosodimethylamine
Concen: 37.531 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 42 Resp: 591123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.9 | 100.5 | 150.7 |
| 44 | 8.6 | 6.9 | 10.3 |






#5
2-Fluorophenol
Concen: 79.080 ng
RT: 5.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:112 Resp: 215314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.2 | 48.2 | 72.4 |
| 63 | 31.3 | 26.0 | 39.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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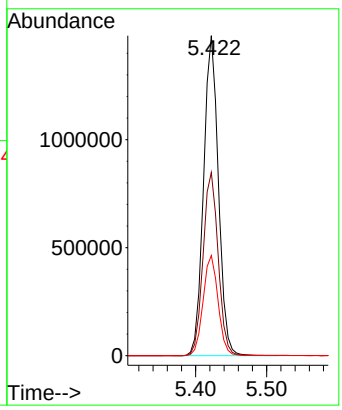
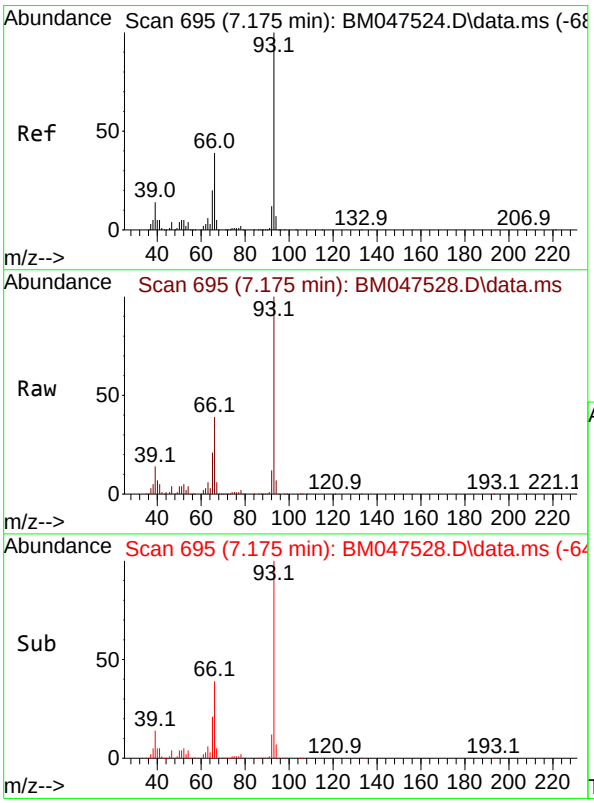
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

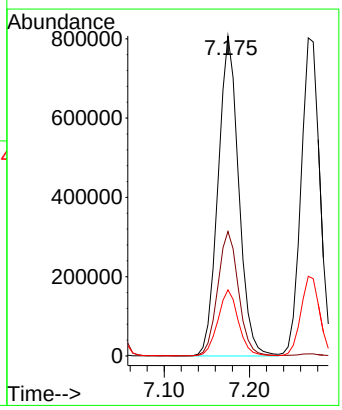


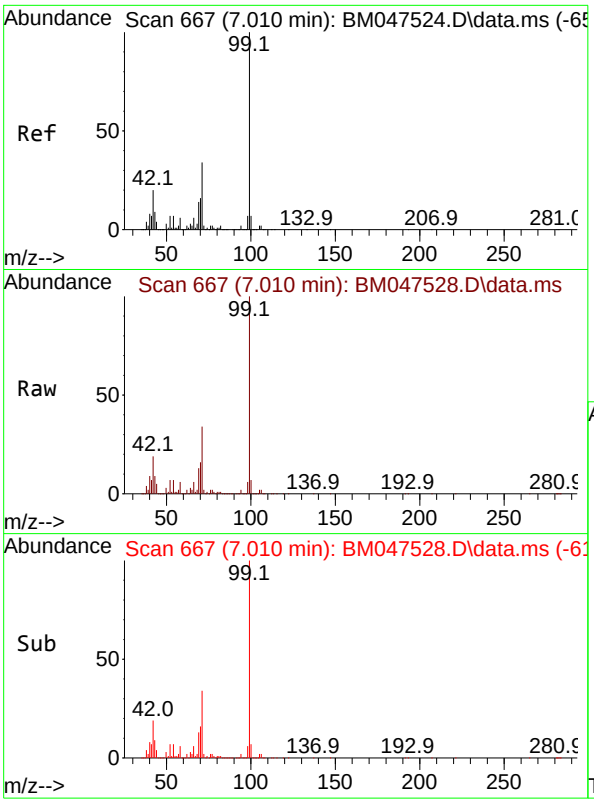




#6
Aniline
Concen: 40.075 ng
RT: 7.175 min Scan# 695
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 1362320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.9 | 31.4 | 47.0 |
| 65 | 20.6 | 16.3 | 24.5 |

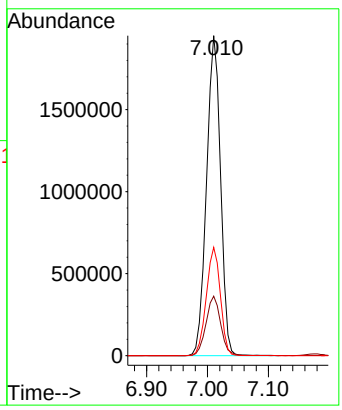





#7
Phenol-d6
Concen: 81.240 ng
RT: 7.010 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 99 Resp: 311503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.8 | 23.8 |
| 71 | 33.8 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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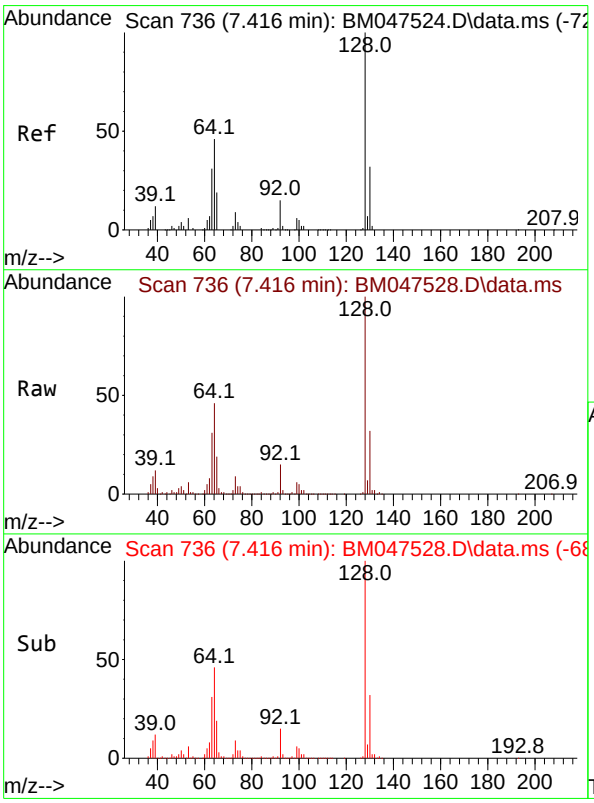
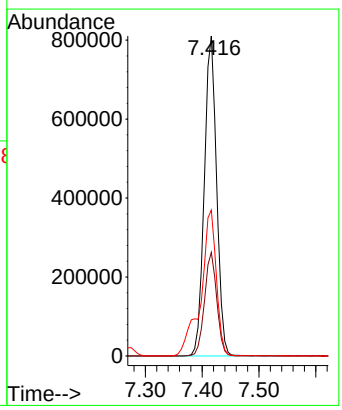
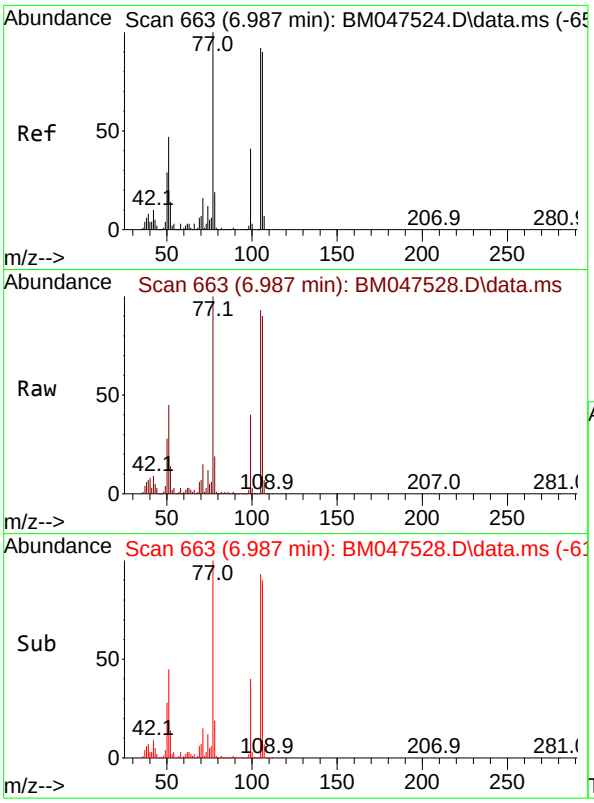



#8
2-Chlorophenol
Concen: 40.435 ng
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:128 Resp: 1213673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 11.8 | 51.8 |
| 64 | 45.6 | 27.6 | 67.6 |

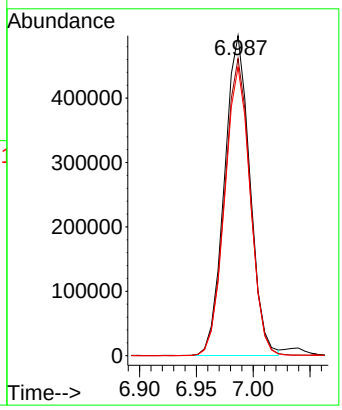





#9
Benzaldehyde
Concen: 42.604 ng
RT: 6.987 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 77676(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 92.8 | 71.8 | 111.8 |
| 106 | 90.1 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

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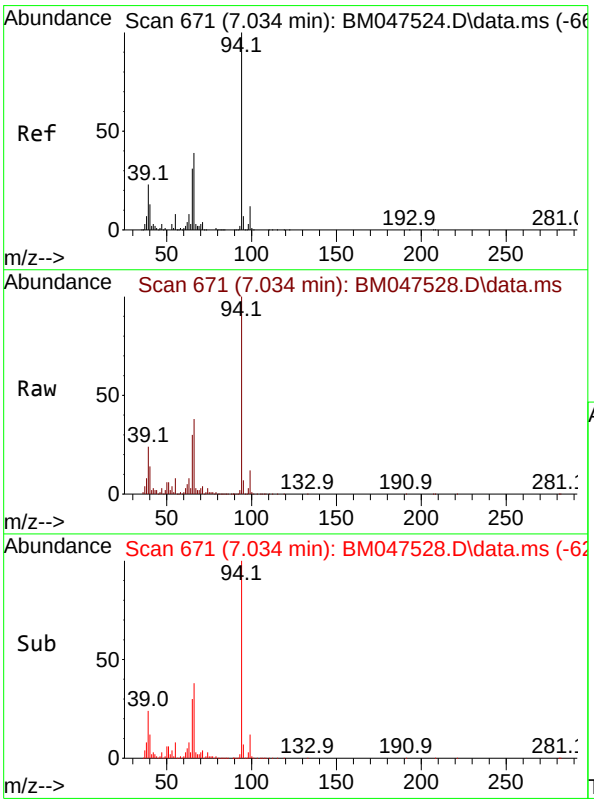
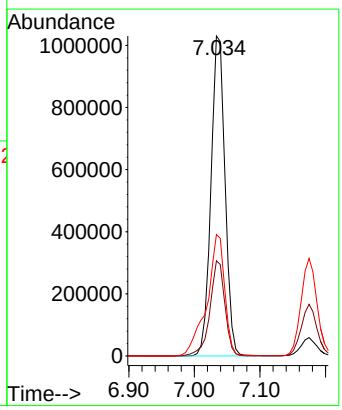
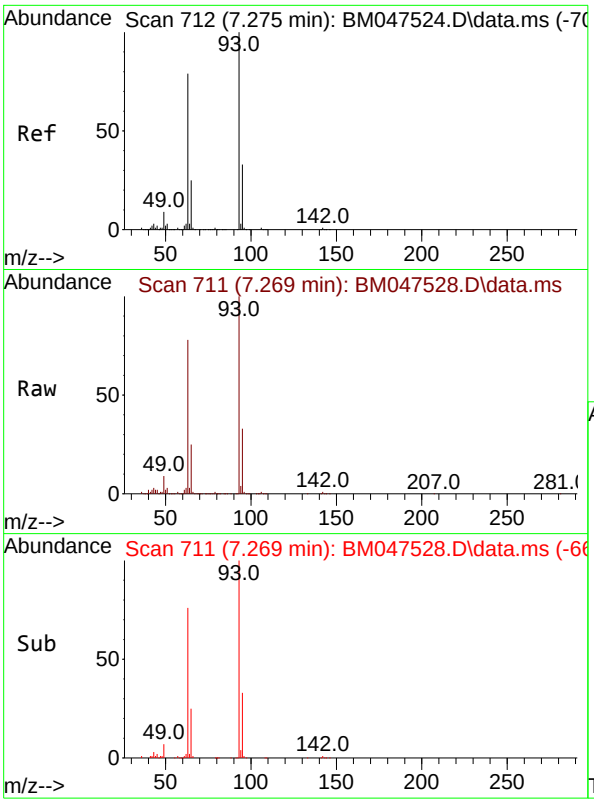



#10
Phenol
Concen: 40.068 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 94 Resp: 1538335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.7 | 10.8 | 50.8 |
| 66 | 38.0 | 19.2 | 59.2 |

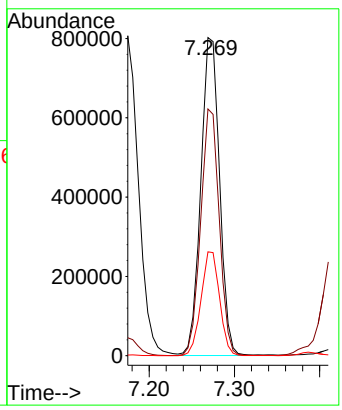





#11
bis(2-Chloroethyl)ether
Concen: 39.763 ng
RT: 7.269 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 122562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.6 | 58.2 | 98.2 |
| 95 | 32.6 | 12.8 | 52.8 |




**Instrument :**
BNA_M
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ICVBM091424

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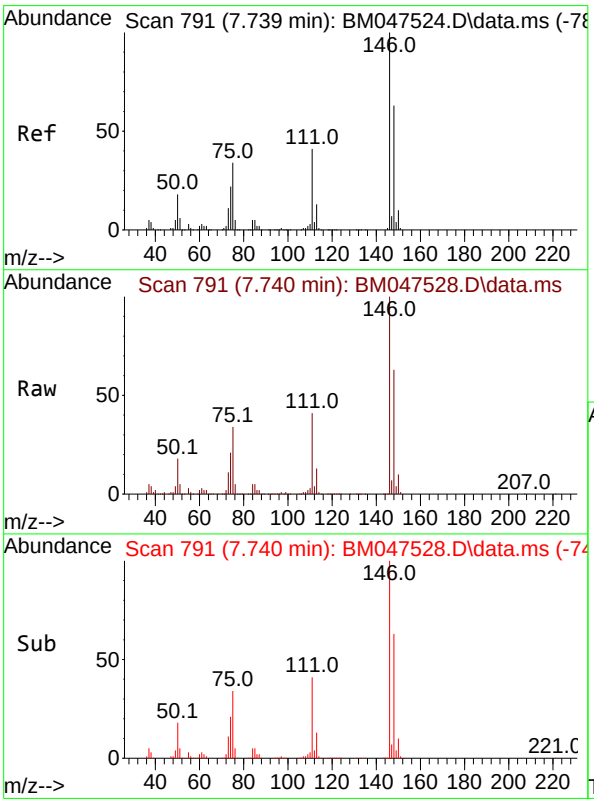
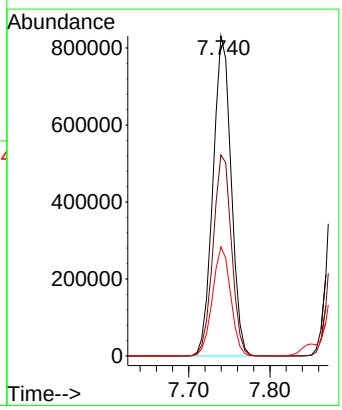
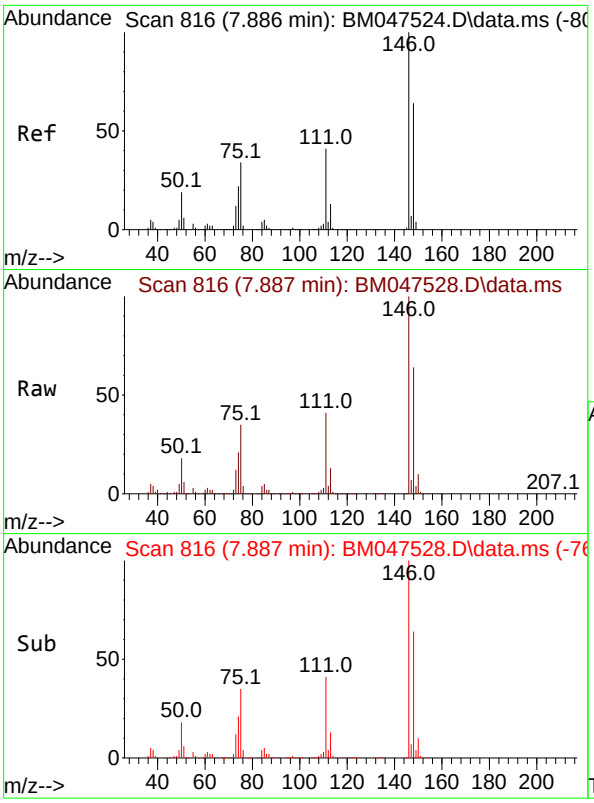



#12
1,3-Dichlorobenzene
Concen: 39.323 ng
RT: 7.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 1291907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.2 | 75.4 |
| 75 | 34.1 | 27.4 | 41.0 |

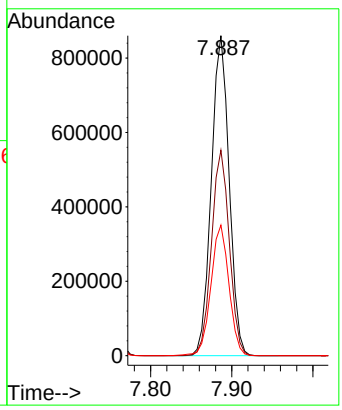





#13
1,4-Dichlorobenzene
Concen: 39.224 ng
RT: 7.887 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 131252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.3 | 76.9 |
| 111 | 40.8 | 32.9 | 49.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

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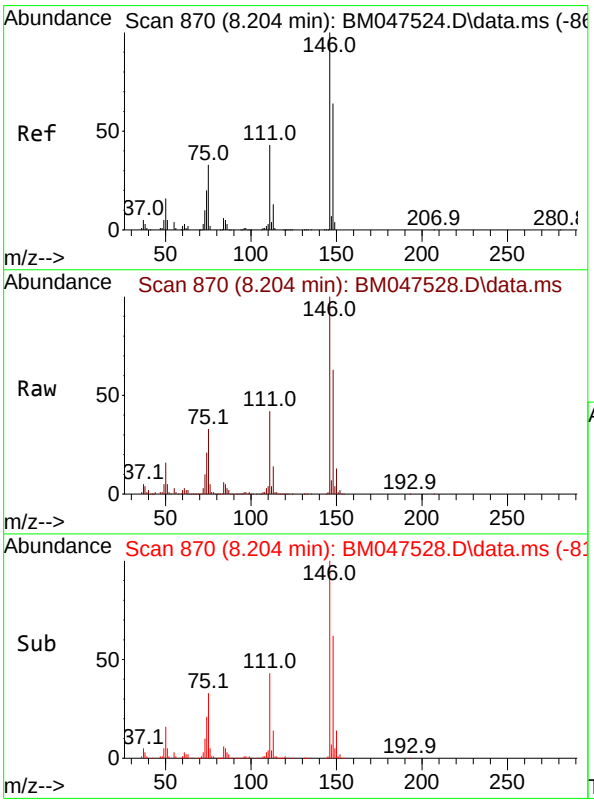
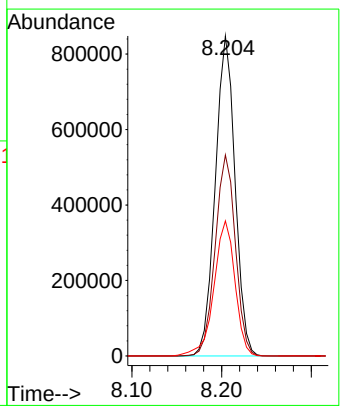
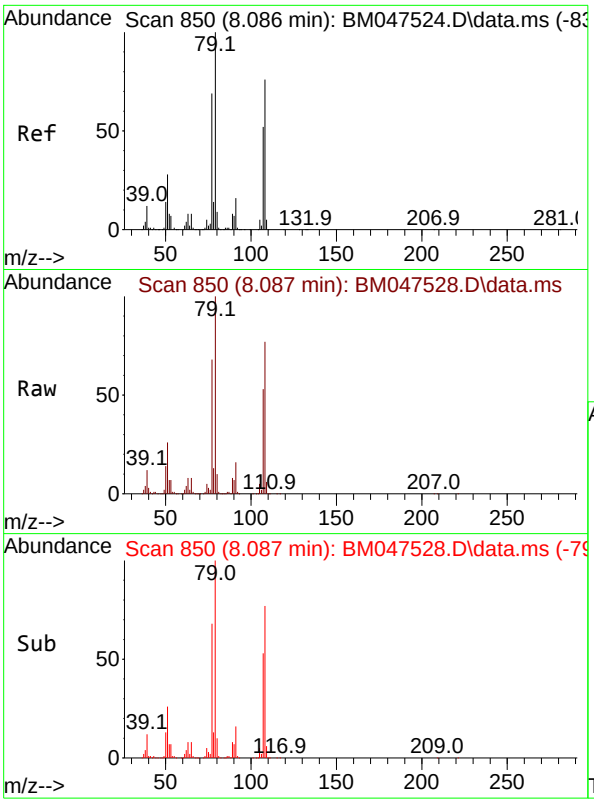



#14
1,2-Dichlorobenzene
Concen: 39.373 ng
RT: 8.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:146 Resp: 1296593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.1 | 76.7 |
| 111 | 42.2 | 34.7 | 52.1 |

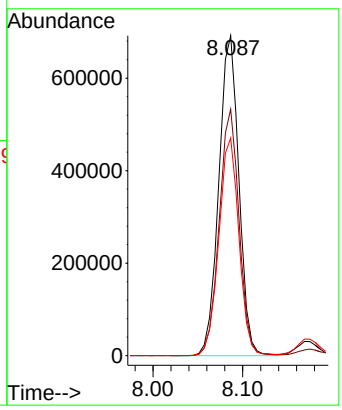





#15
Benzyl Alcohol
Concen: 41.322 ng
RT: 8.087 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 79 Resp: 107325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.1 | 60.6 | 91.0 |
| 77 | 68.0 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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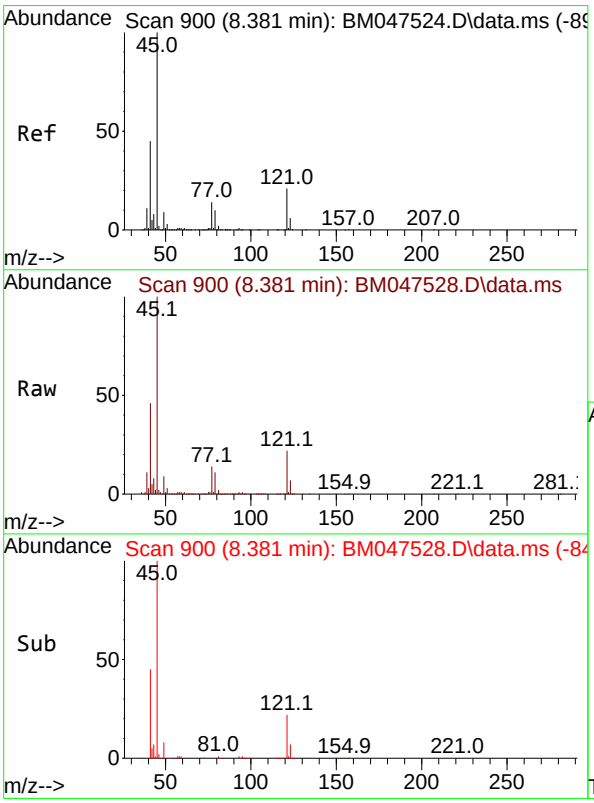
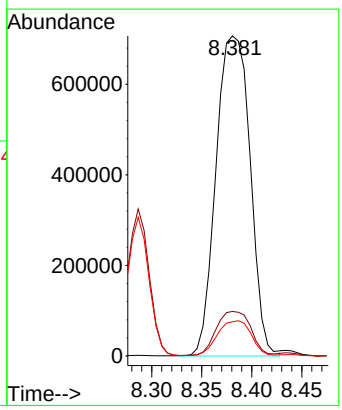
Supervised By :mohammad ahmed 09/17/2024

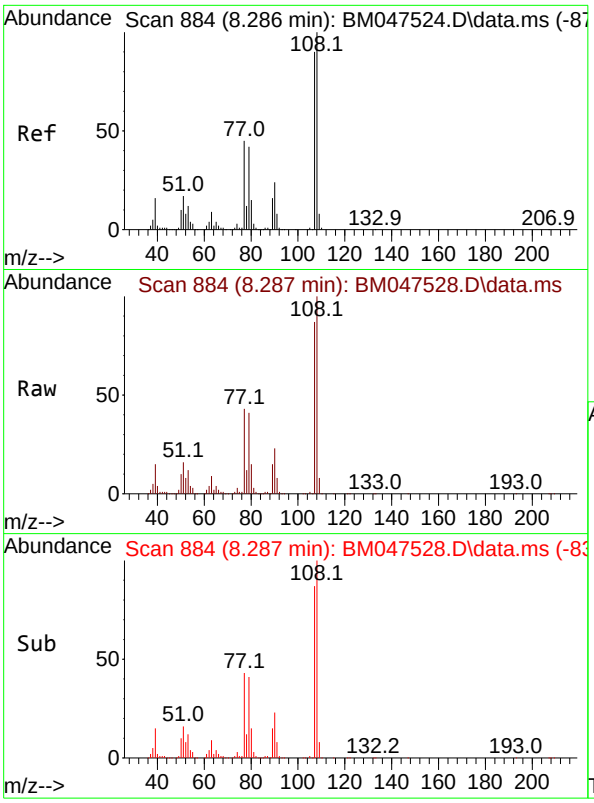



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.676 ng m
RT: 8.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 45 Resp: 1676915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.9 | 0.0 | 33.7 |
| 79 | 10.7 | 0.0 | 30.3 |

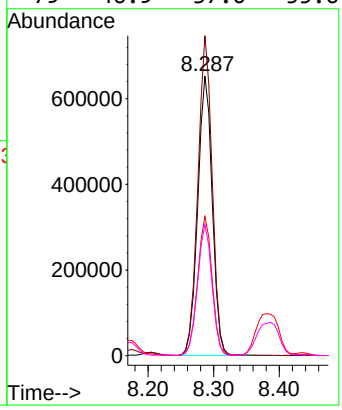





#17
2-Methylphenol
Concen: 40.947 ng
RT: 8.287 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 100430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 88.9 | 133.3 |
| 77 | 49.8 | 39.8 | 59.8 |
| 79 | 46.9 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
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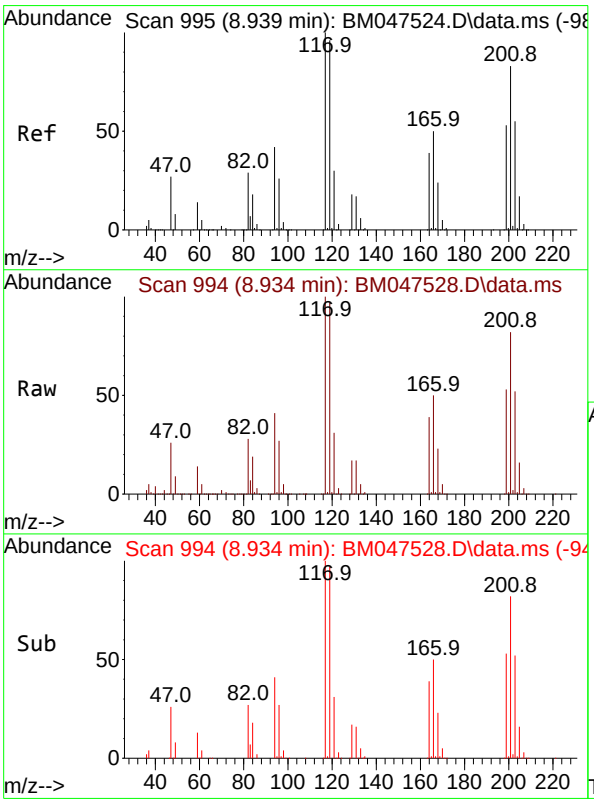
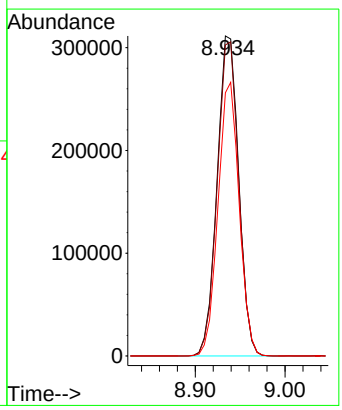
Supervised By :mohammad ahmed 09/17/2024

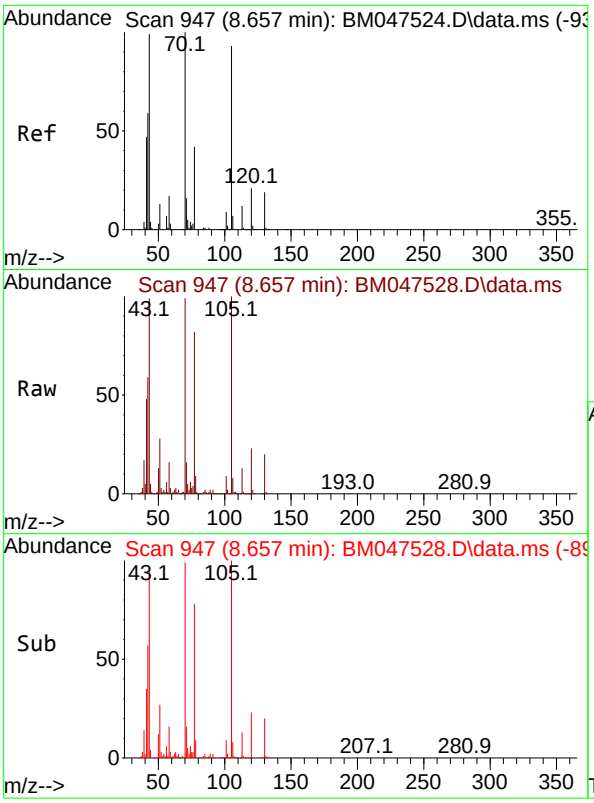



#18
Hexachloroethane
Concen: 39.026 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:117 Resp: 521681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 77.0 | 115.4 |
| 201 | 82.2 | 66.8 | 100.2 |

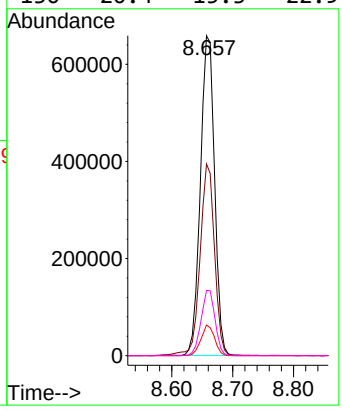





#19
n-Nitroso-di-n-propylamine
Concen: 41.297 ng
RT: 8.657 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 70 Resp: 106762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.9 | 48.2 | 72.2 |
| 101 | 9.5 | 7.0 | 10.4 |
| 130 | 20.4 | 15.3 | 22.9 |




**Instrument :**
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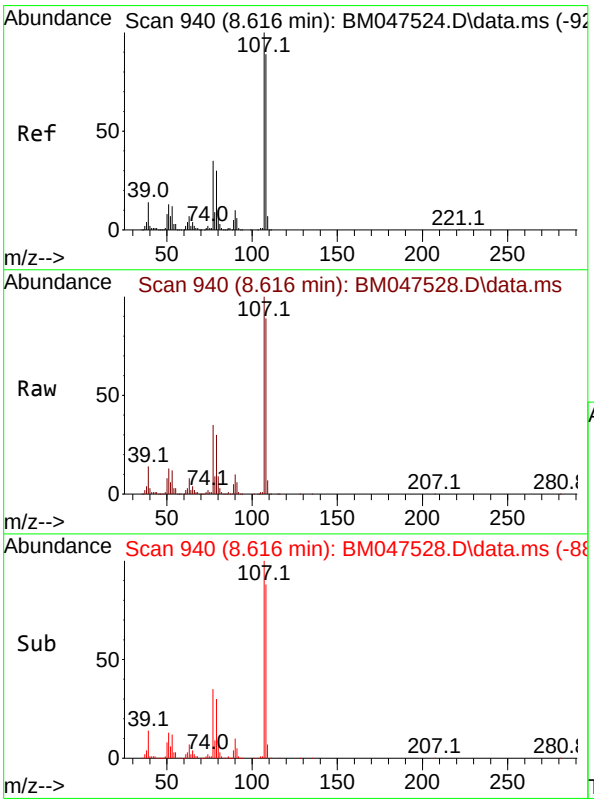
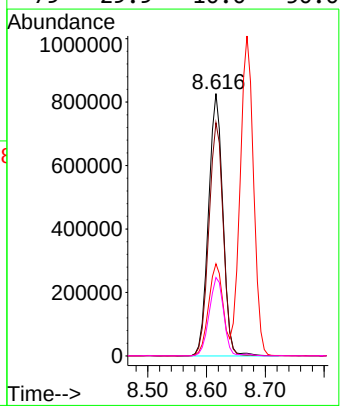
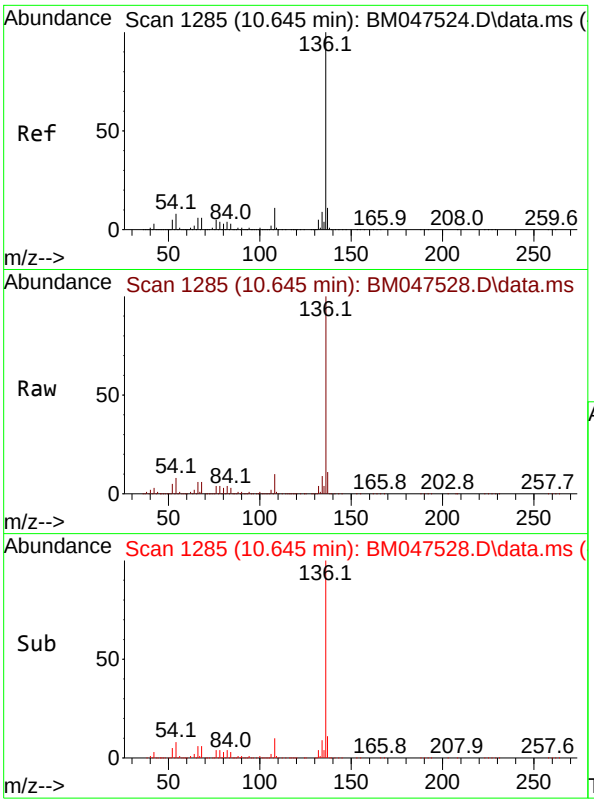



#20
3+4-Methylphenols
Concen: 41.091 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 1406257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.9 | 108.9 |
| 77 | 35.1 | 15.5 | 55.5 |
| 79 | 29.9 | 10.0 | 50.0 |

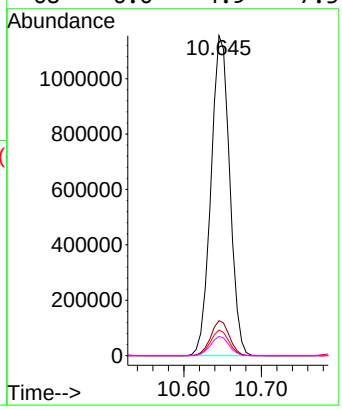





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:136 Resp: 193445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 6.0 | 4.9 | 7.3 |




**Instrument :**
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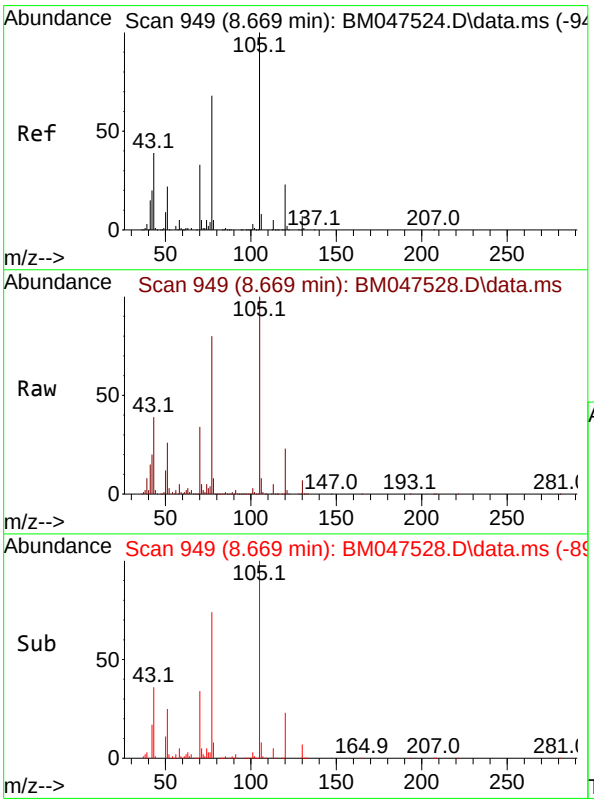
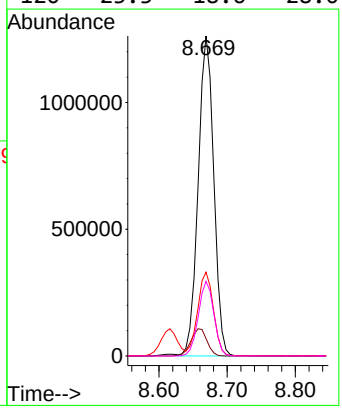
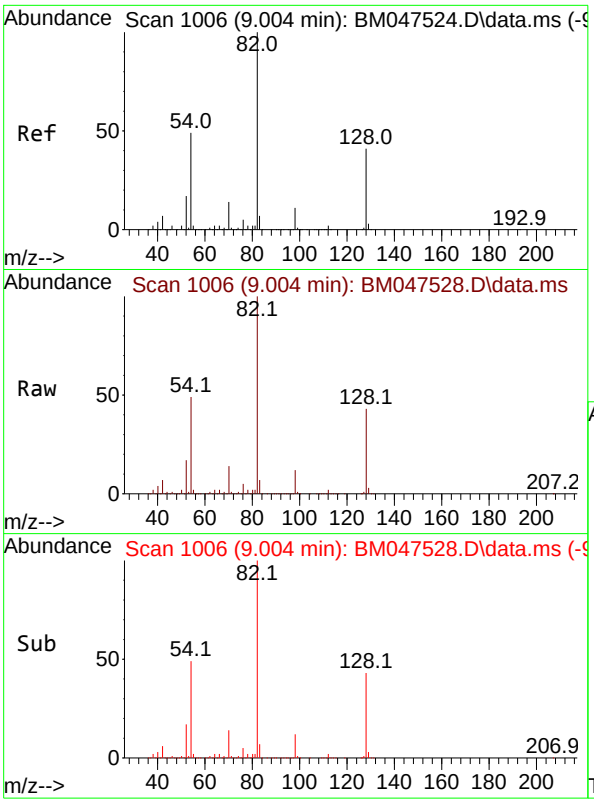



#22
Acetophenone
Concen: 39.445 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:105 Resp: 2006112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.4 | 4.3 | 6.5 |
| 51 | 26.2 | 21.5 | 32.3 |
| 120 | 23.3 | 18.6 | 28.0 |

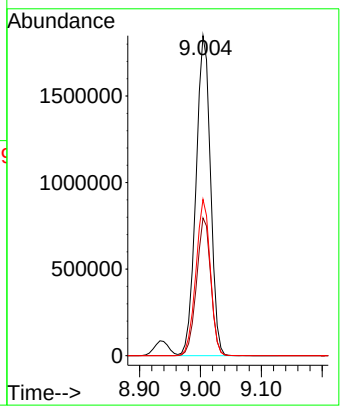





#23
Nitrobenzene-d5
Concen: 79.016 ng
RT: 9.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 82 Resp: 305425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.0 | 33.0 | 49.4 |
| 54 | 48.8 | 39.3 | 58.9 |

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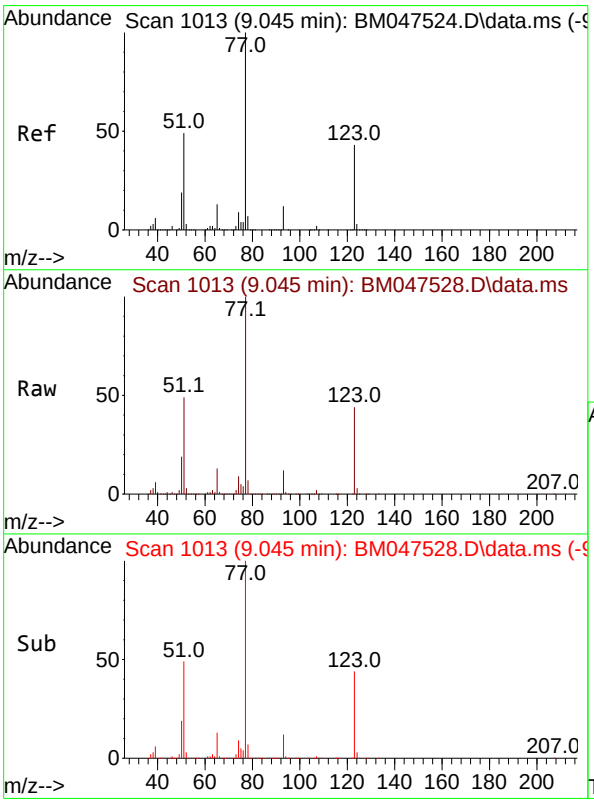
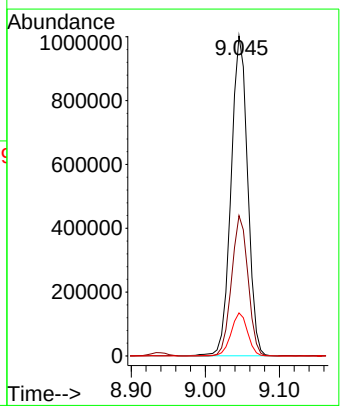
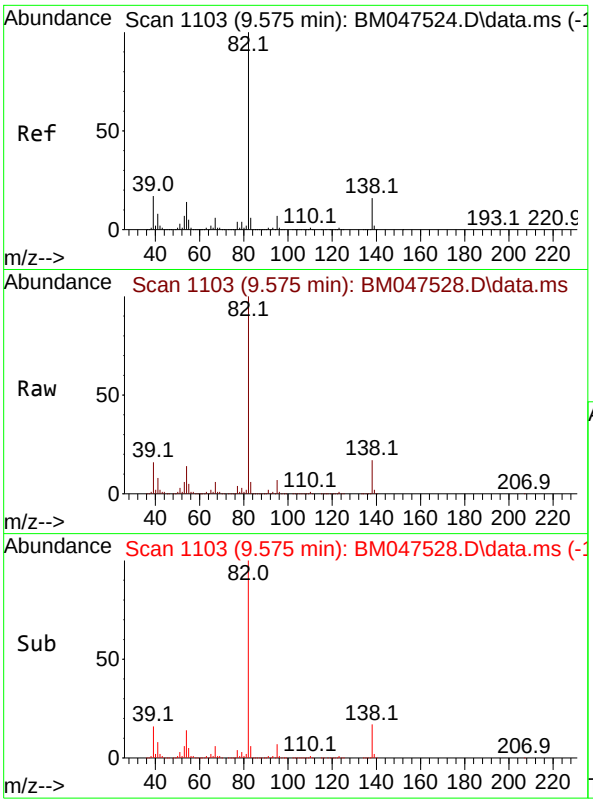



#24
Nitrobenzene
Concen: 39.215 ng
RT: 9.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 1557585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.9 | 34.5 | 51.7 |
| 65 | 13.4 | 10.7 | 16.1 |






#25
Isophorone
Concen: 40.365 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 82 Resp: 274300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.4 | 8.0 |
| 138 | 16.6 | 12.9 | 19.3 |

**Instrument :**
BNA_M
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ICVBM091424

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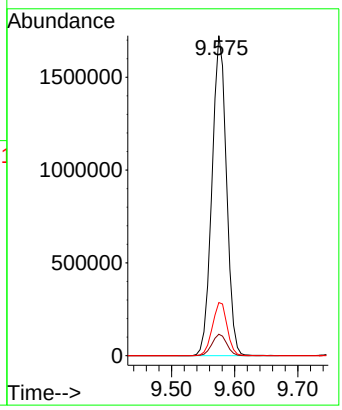
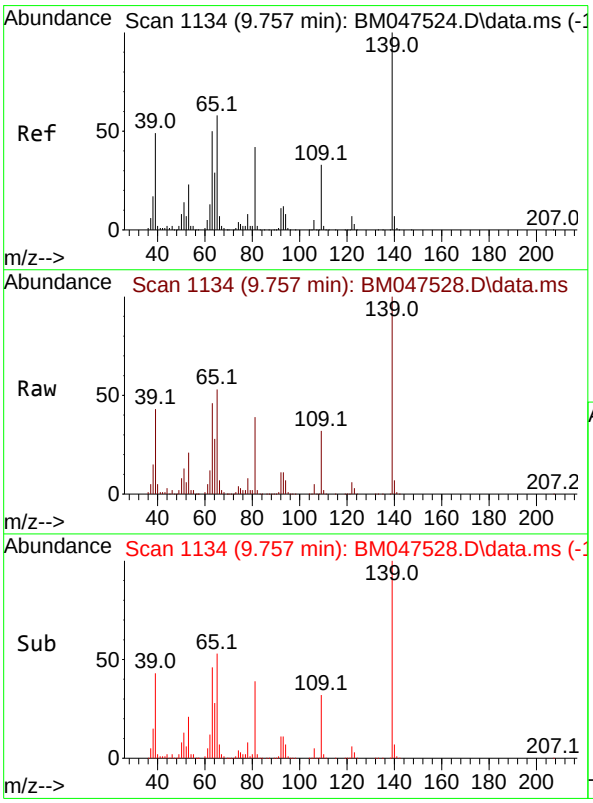
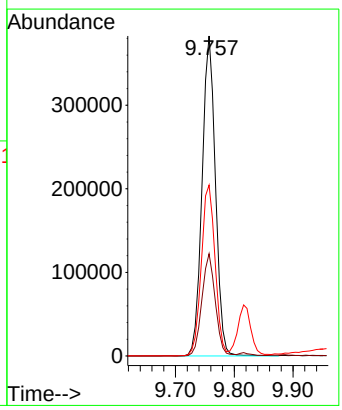


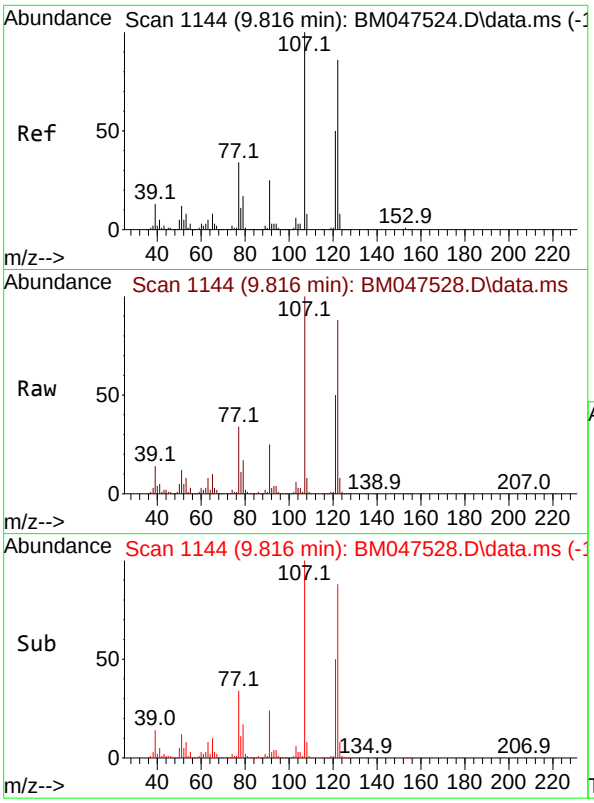




#26
2-Nitrophenol
Concen: 44.791 ng
RT: 9.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:139 Resp: 606239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.9 | 26.0 | 39.0 |
| 65 | 53.4 | 46.2 | 69.4 |

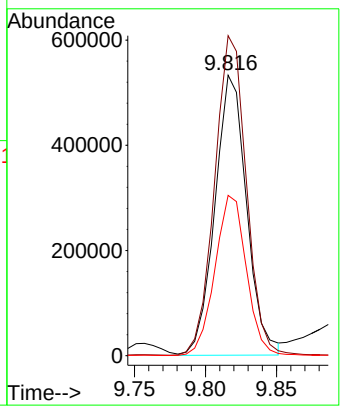





#27
2,4-Dimethylphenol
Concen: 40.331 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:122 Resp: 82748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.1 | 92.4 | 138.6 |
| 121 | 57.2 | 46.2 | 69.4 |

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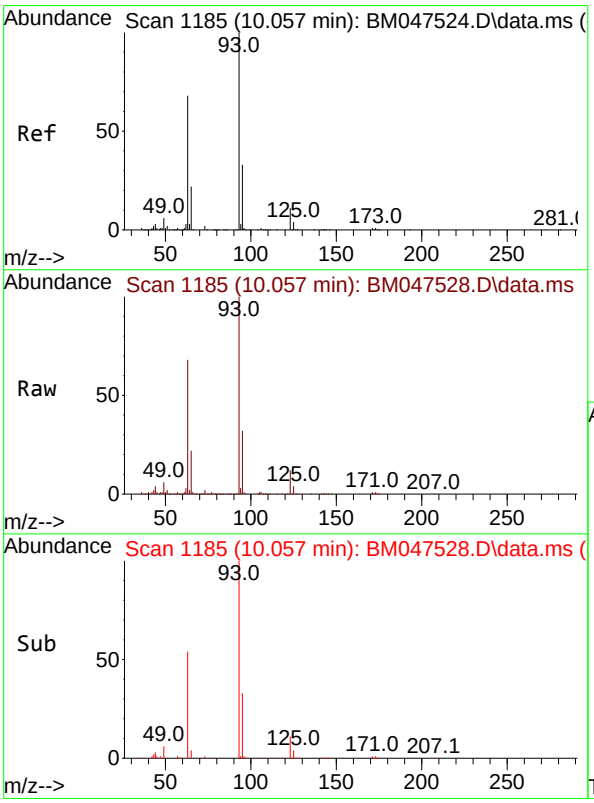
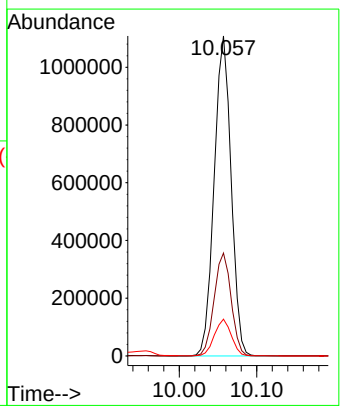
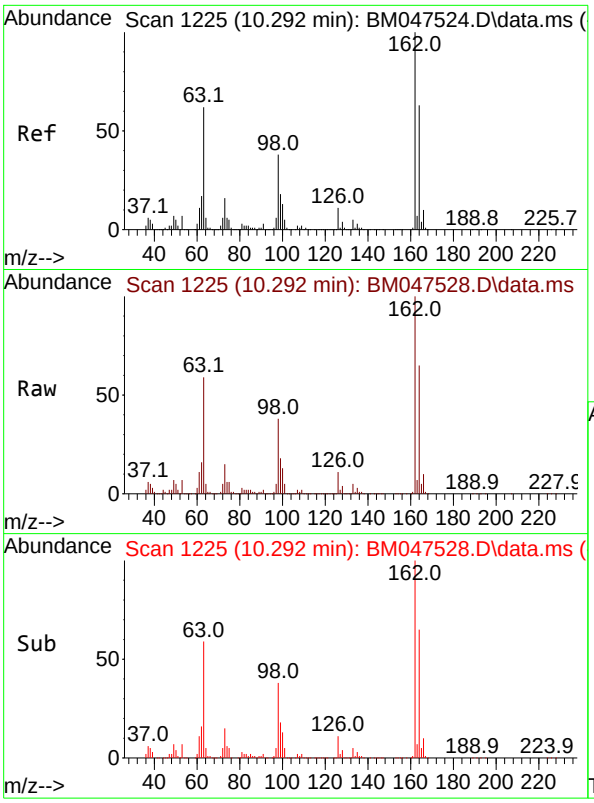



#28
bis(2-Chloroethoxy)methane
Concen: 39.457 ng
RT: 10.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 93 Resp: 1684233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.2 | 39.2 |
| 123 | 11.5 | 9.2 | 13.8 |

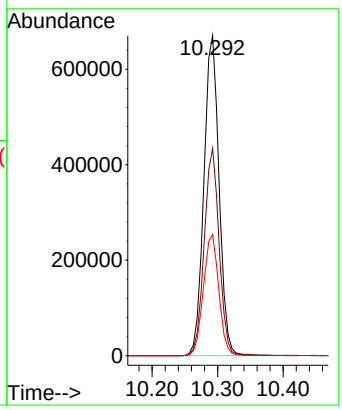





#29
2,4-Dichlorophenol
Concen: 41.509 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:162 Resp: 108200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.7 | 43.5 | 83.5 |
| 98 | 37.8 | 17.6 | 57.6 |

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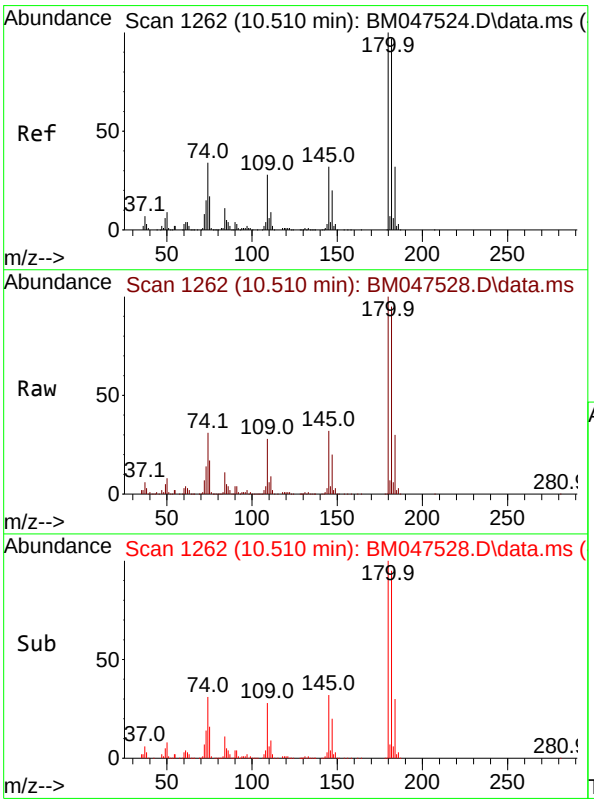
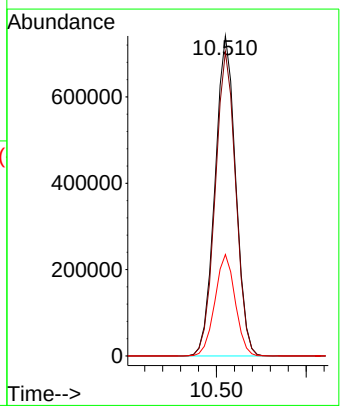
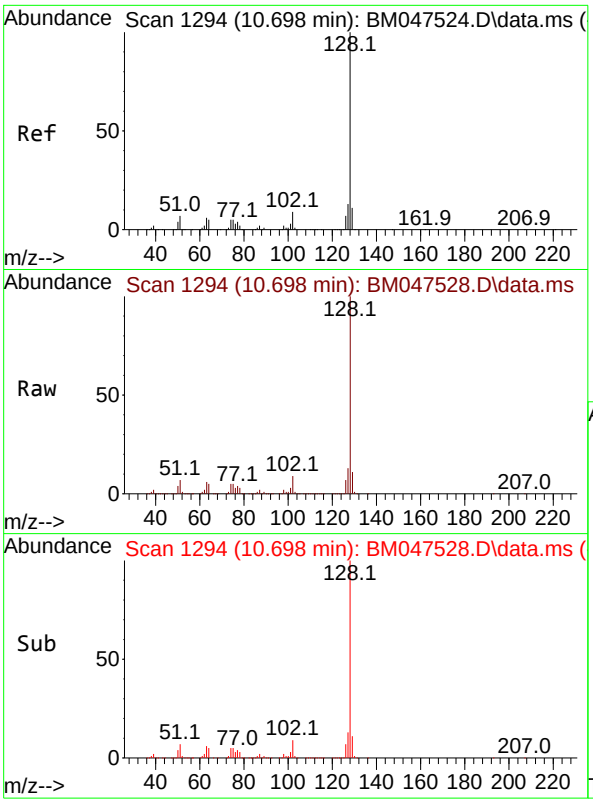



#30
1,2,4-Trichlorobenzene
Concen: 39.627 ng
RT: 10.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:180 Resp: 1183219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 77.6 | 116.4 |
| 145 | 31.7 | 25.4 | 38.0 |

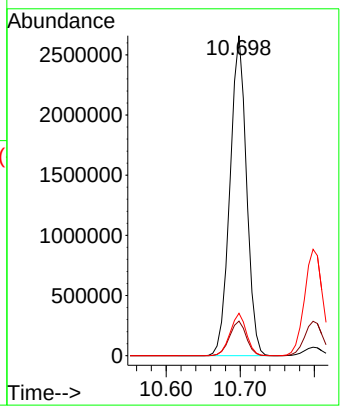





#31
Naphthalene
Concen: 39.330 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:128 Resp: 410902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.7 | 13.1 |
| 127 | 13.3 | 10.5 | 15.7 |

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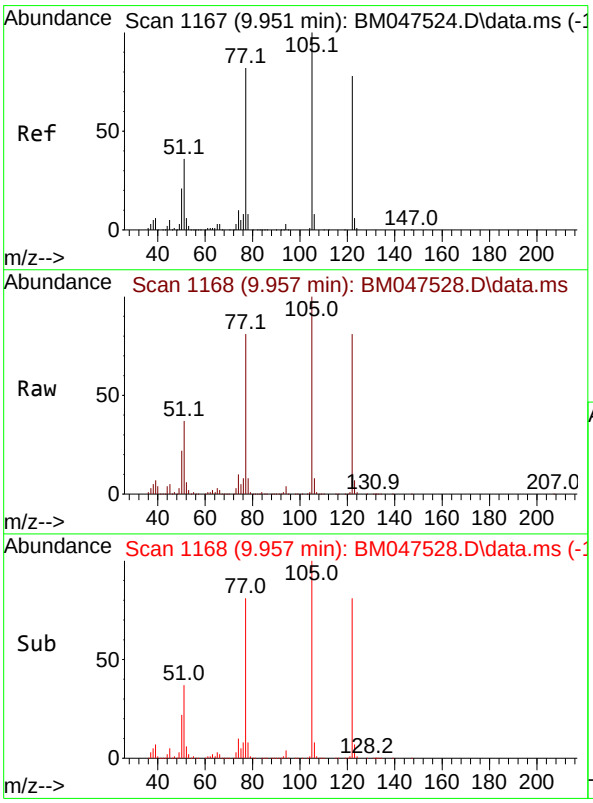
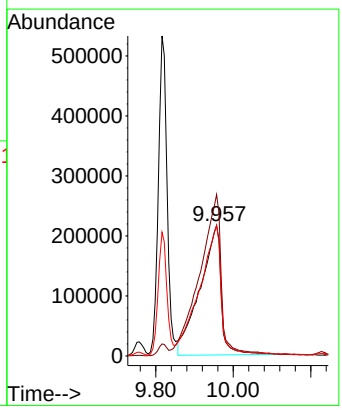
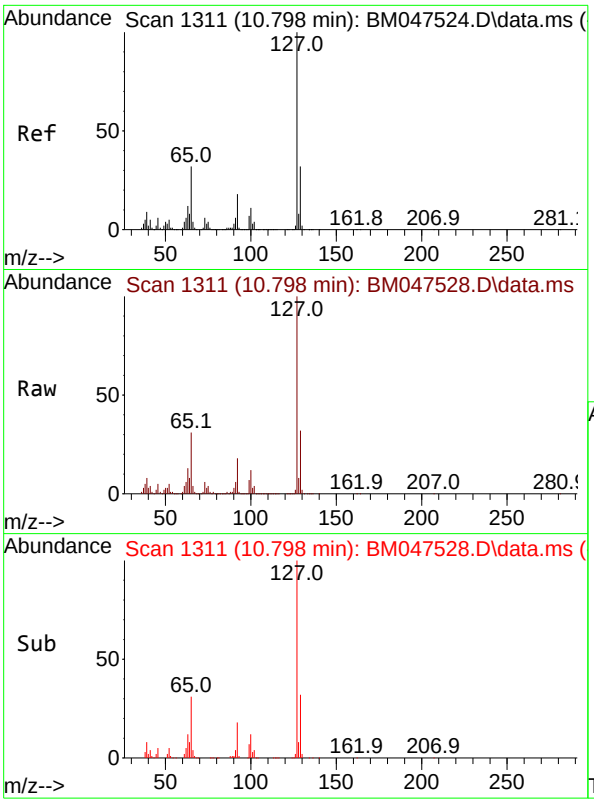



#32
Benzoic acid
Concen: 41.565 ng
RT: 9.957 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:122 Resp: 819547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 104.7 | 144.7 |
| 77 | 100.5 | 83.4 | 123.4 |

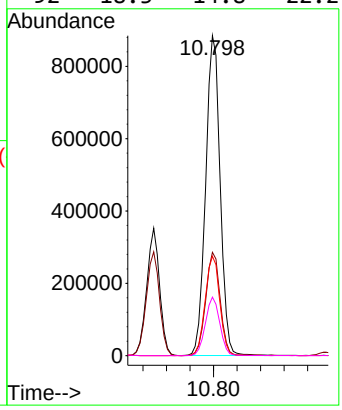





#33
4-Chloroaniline
Concen: 40.157 ng
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:127 Resp: 151687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.4 | 38.0 |
| 65 | 31.1 | 25.5 | 38.3 |
| 92 | 18.3 | 14.8 | 22.2 |




**Instrument :**
BNA_M
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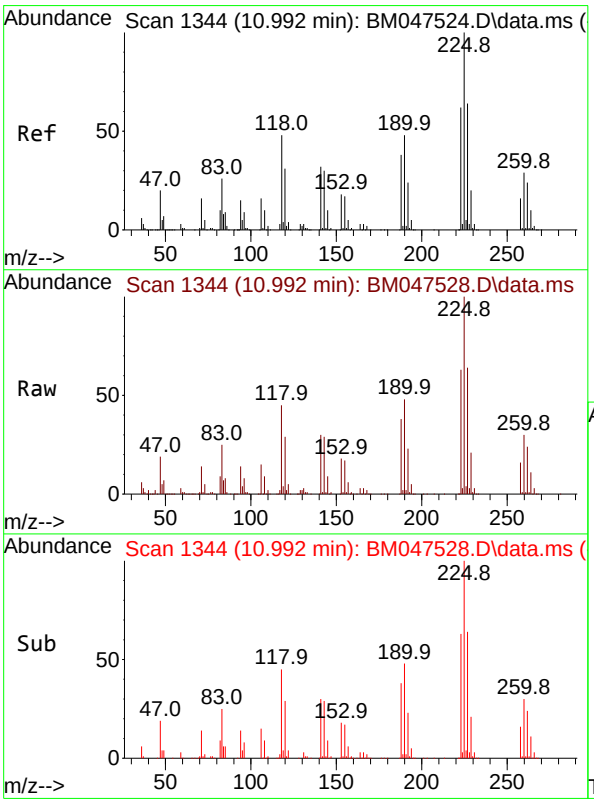
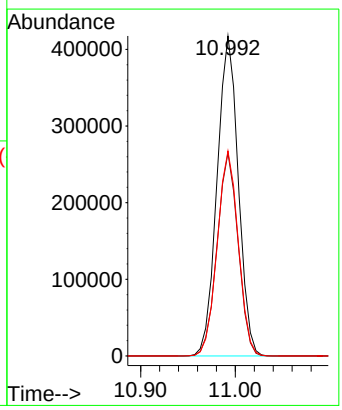
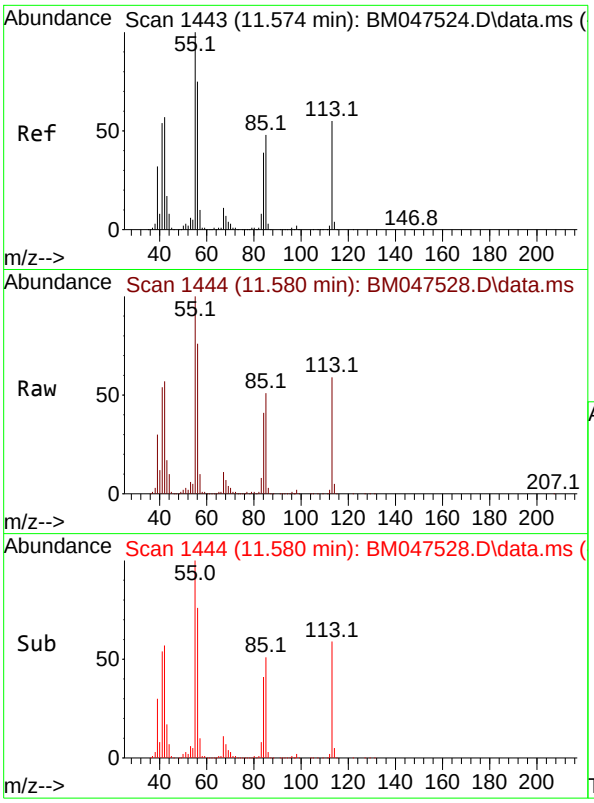



#34
Hexachlorobutadiene
Concen: 39.303 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:225 Resp: 650005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.8 | 74.6 |
| 227 | 64.1 | 51.0 | 76.4 |






#35
Caprolactam
Concen: 44.462 ng
RT: 11.580 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:113 Resp: 38173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 168.7 | 162.5 | 202.5 |
| 56 | 128.5 | 116.5 | 156.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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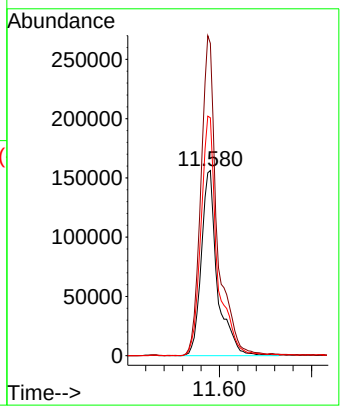
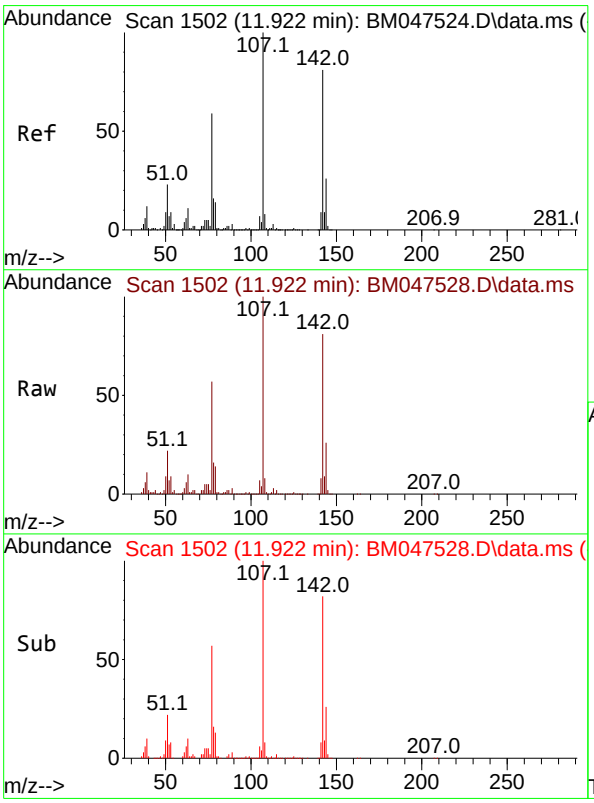
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

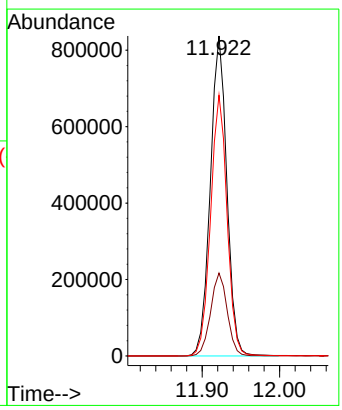


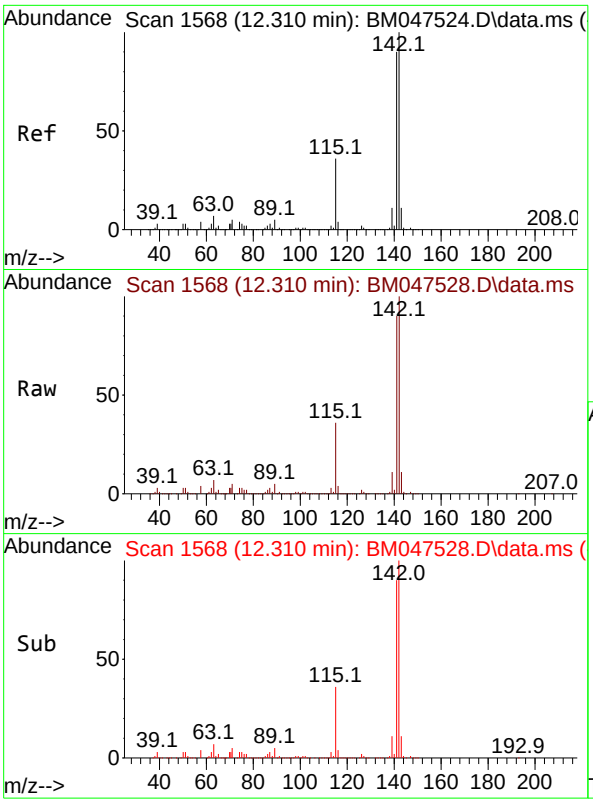




#36
4-Chloro-3-methylphenol
Concen: 41.503 ng
RT: 11.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:107 Resp: 1239823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 20.5 | 30.7 |
| 142 | 81.5 | 65.0 | 97.4 |

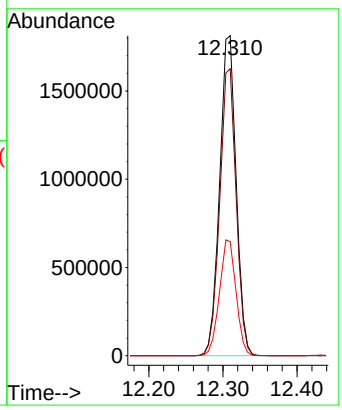





#37
2-Methylnaphthalene
Concen: 40.287 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:142 Resp: 280132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 72.2 | 108.4 |
| 115 | 35.7 | 29.1 | 43.7 |




**Instrument :**
BNA_M
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ICVBM091424

**Manual Integrations**
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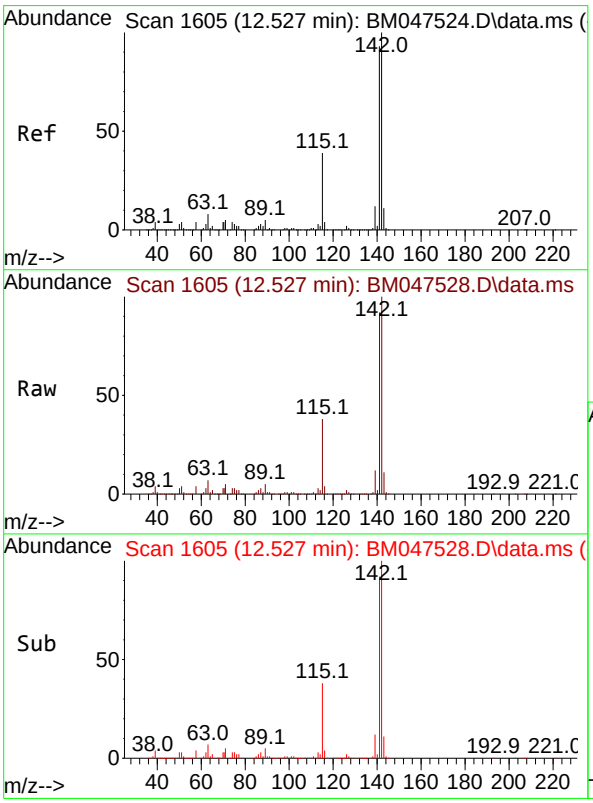
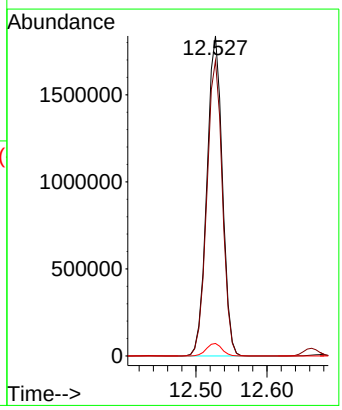
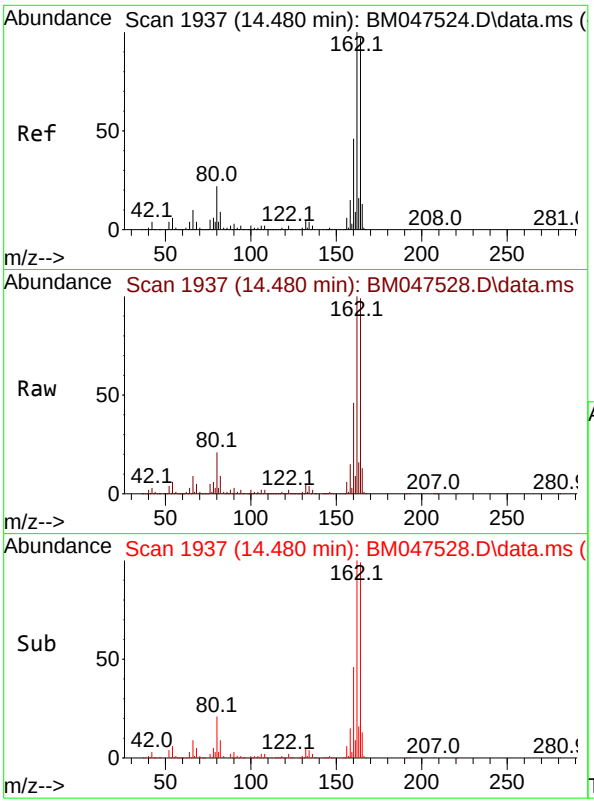



#38
1-Methylnaphthalene
Concen: 40.366 ng
RT: 12.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:142 Resp: 2789337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 74.7 | 112.1 |
| 116 | 3.9 | 3.2 | 4.8 |

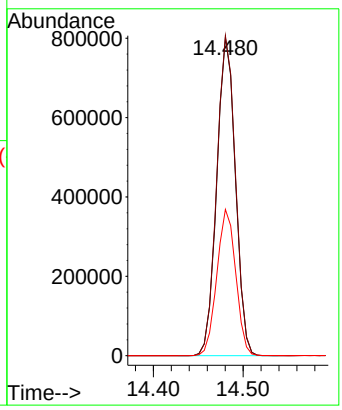





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:164 Resp: 115579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 82.2 | 123.2 |
| 160 | 46.0 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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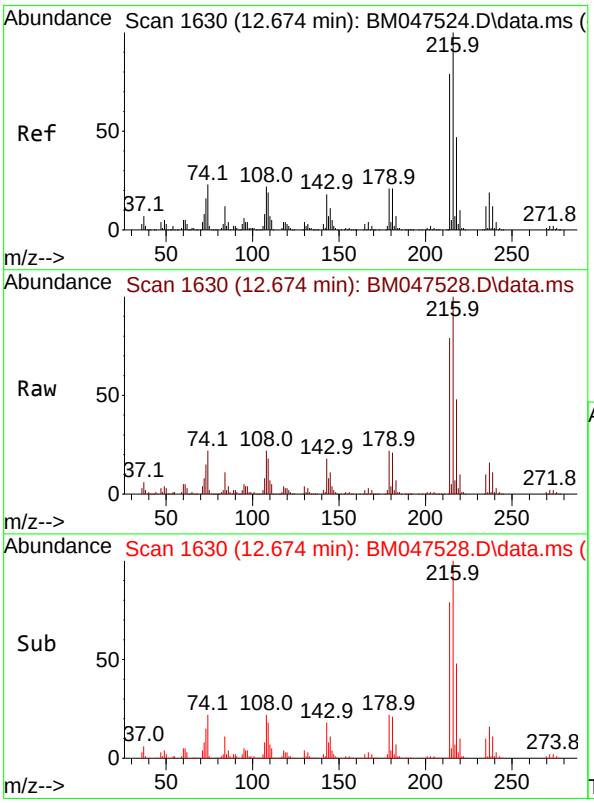
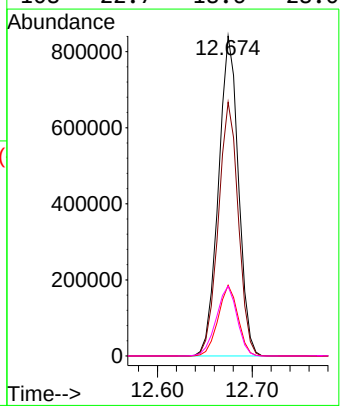
Supervised By :mohammad ahmed 09/17/2024

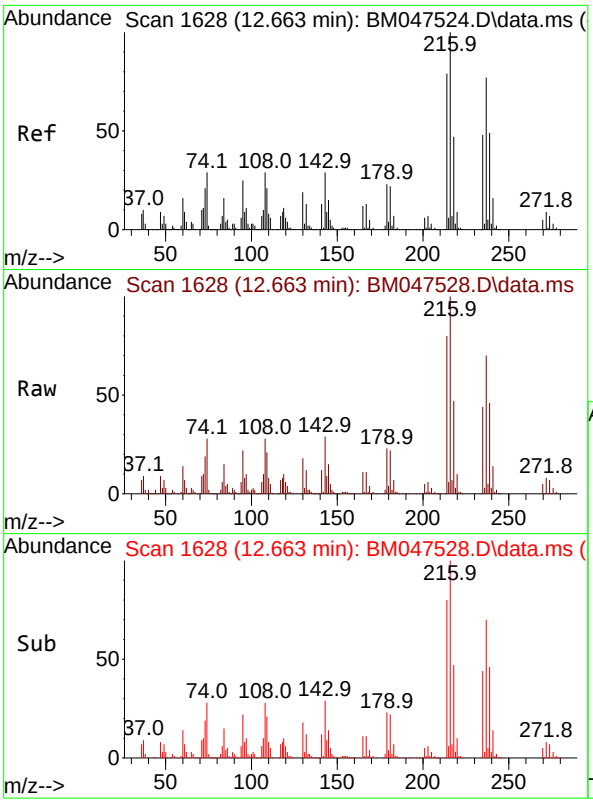



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.423 ng
RT: 12.674 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:216 Resp: 1232956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.0 | 94.6 |
| 179 | 21.9 | 17.5 | 26.3 |
| 108 | 22.7 | 18.6 | 28.0 |

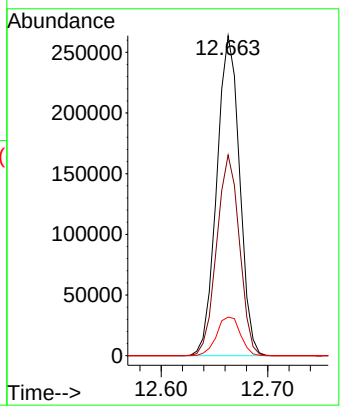





#41
Hexachlorocyclopentadiene
Concen: 38.330 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:237 Resp: 39188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 42.0 | 82.0 |
| 272 | 12.0 | 0.0 | 31.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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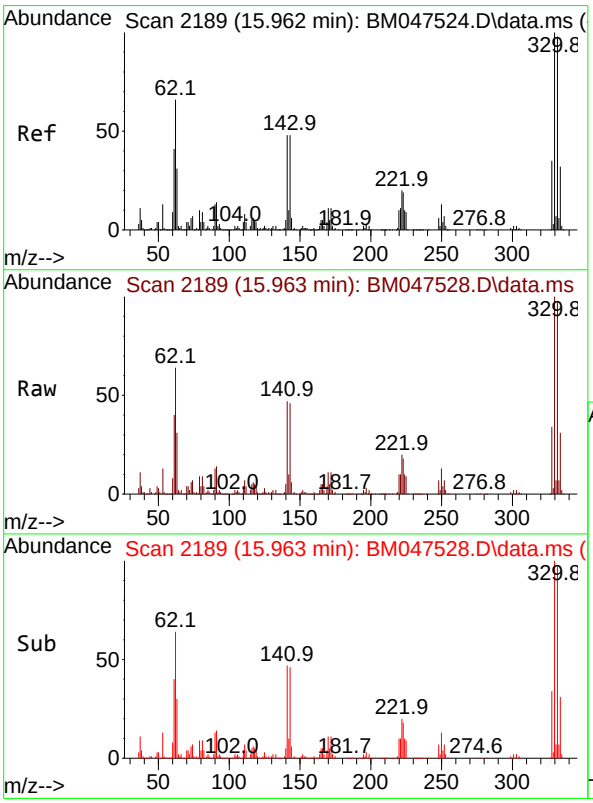
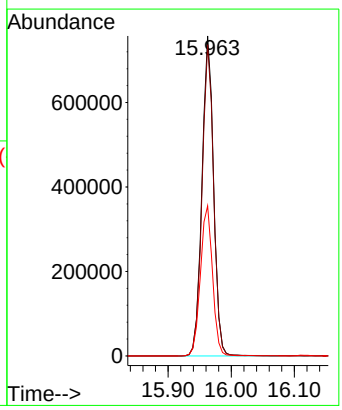
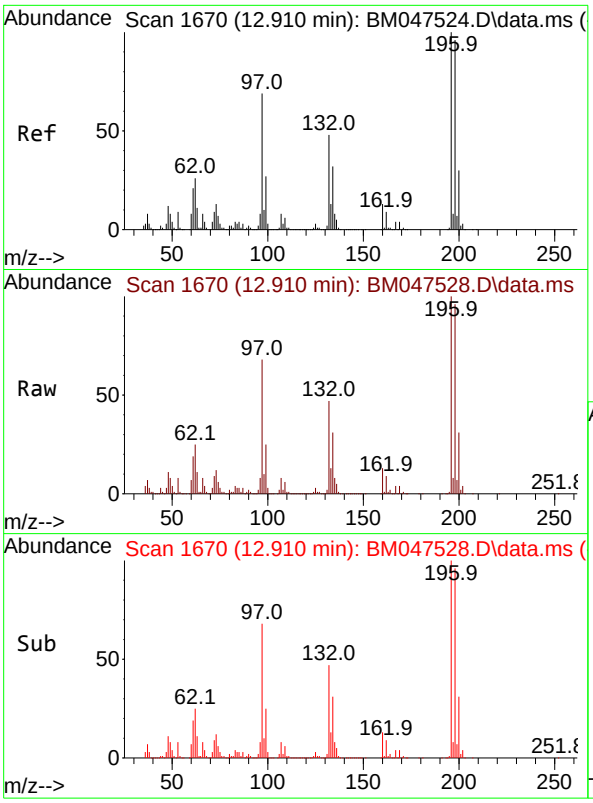



#42
2,4,6-Tribromophenol
Concen: 86.666 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:330 Resp: 968206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.9 | 115.3 |
| 141 | 48.9 | 42.2 | 63.2 |

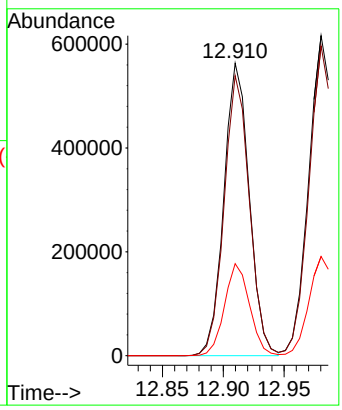





#43
2,4,6-Trichlorophenol
Concen: 41.805 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:196 Resp: 81911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 76.9 | 115.3 |
| 200 | 31.5 | 24.3 | 36.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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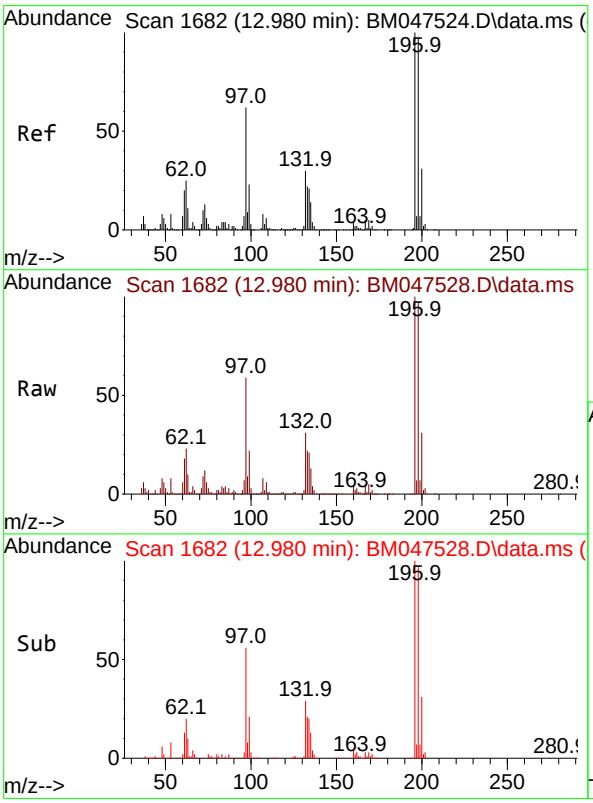
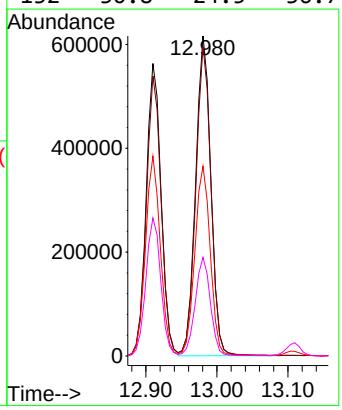
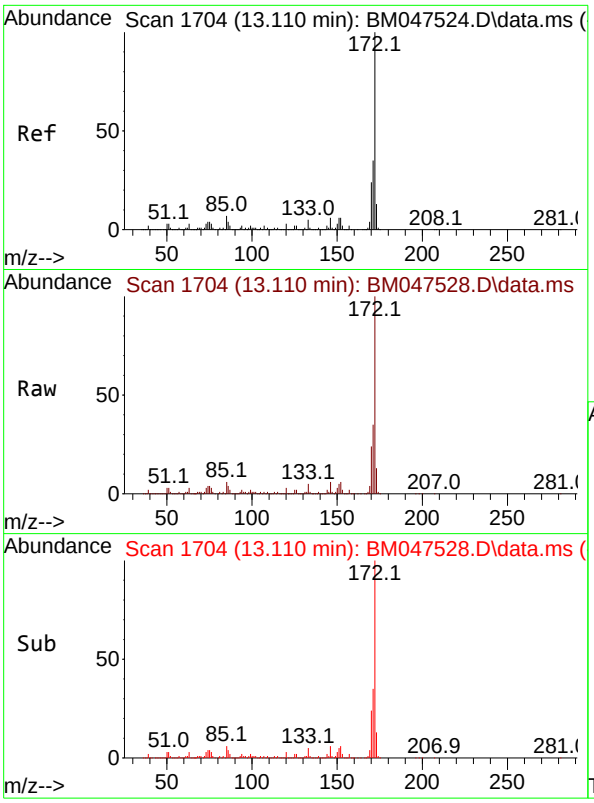



#44
2,4,5-Trichlorophenol
Concen: 41.595 ng
RT: 12.980 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:196 Resp: 920532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 77.4 | 116.2 |
| 97 | 59.3 | 49.8 | 74.8 |
| 132 | 30.8 | 24.5 | 36.7 |

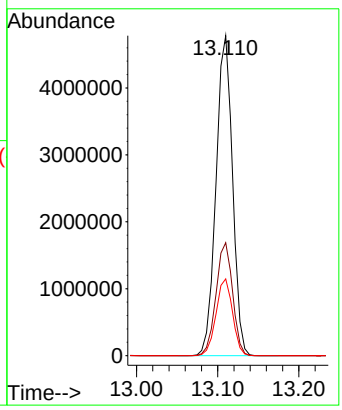





#45
2-Fluorobiphenyl
Concen: 80.575 ng
RT: 13.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:172 Resp: 676049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.2 |
| 170 | 24.0 | 19.4 | 29.0 |




**Instrument :**
BNA_M
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ICVBM091424

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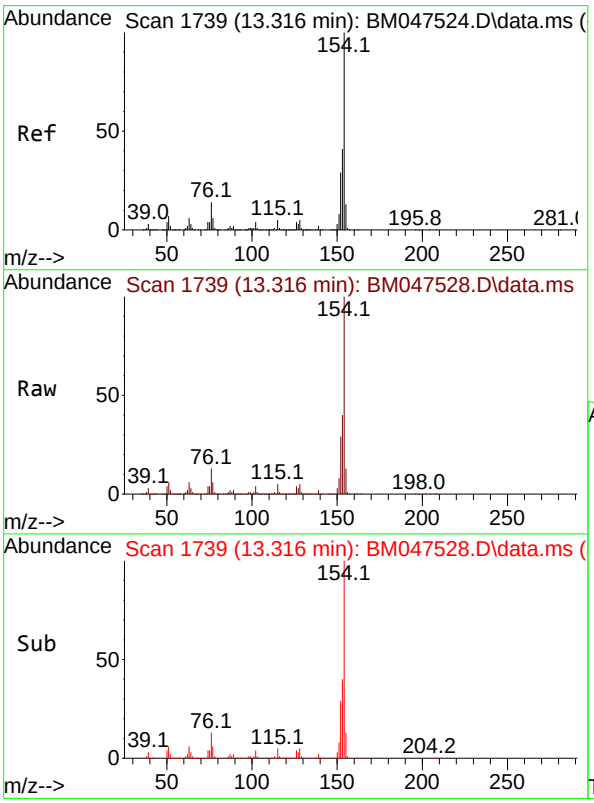
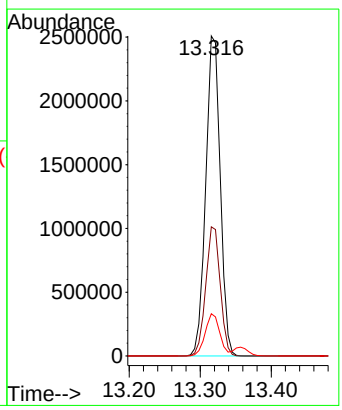
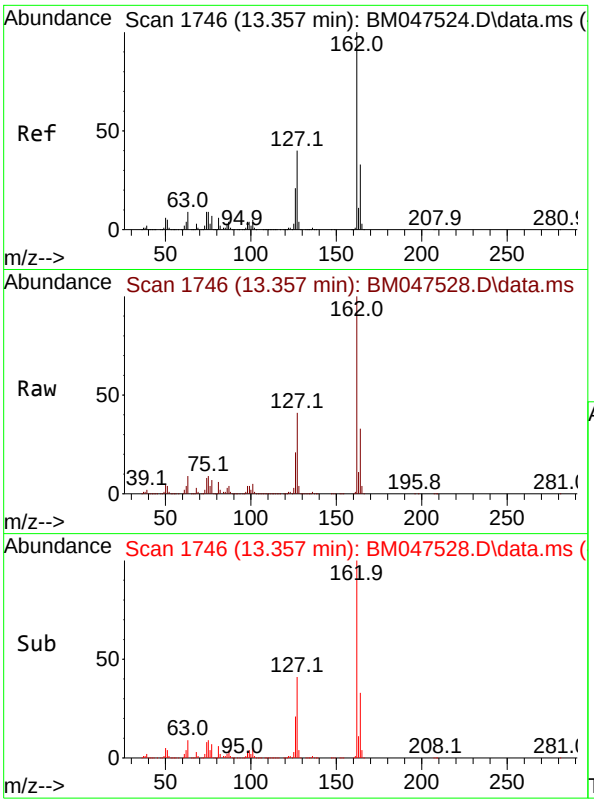



#46
1,1'-Biphenyl
Concen: 39.616 ng
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:154 Resp: 3562522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.6 | 60.6 |
| 76 | 13.2 | 0.0 | 33.9 |

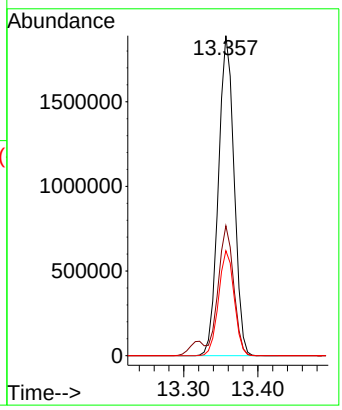





#47
2-Chloronaphthalene
Concen: 39.789 ng
RT: 13.357 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:162 Resp: 277829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.6 | 32.2 | 48.4 |
| 164 | 32.8 | 26.3 | 39.5 |




**Instrument :**
BNA_M
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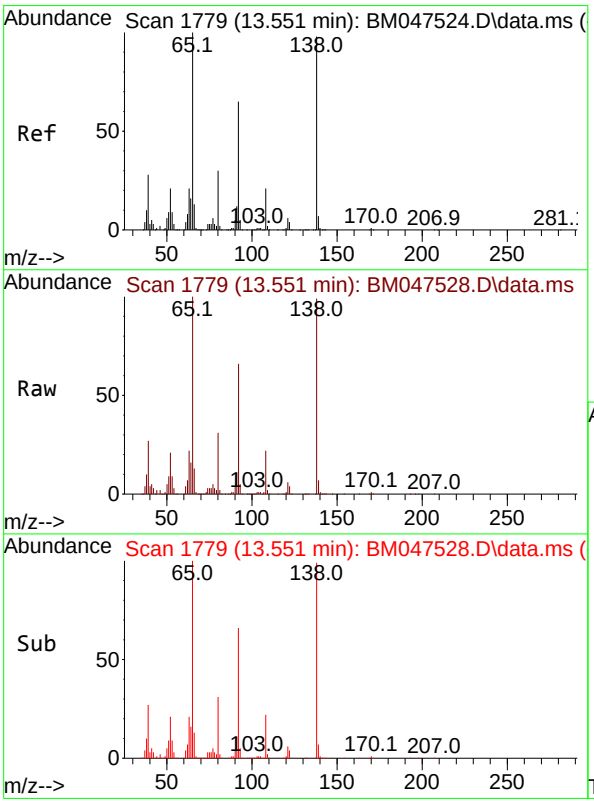
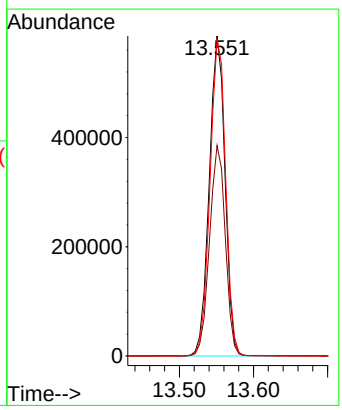
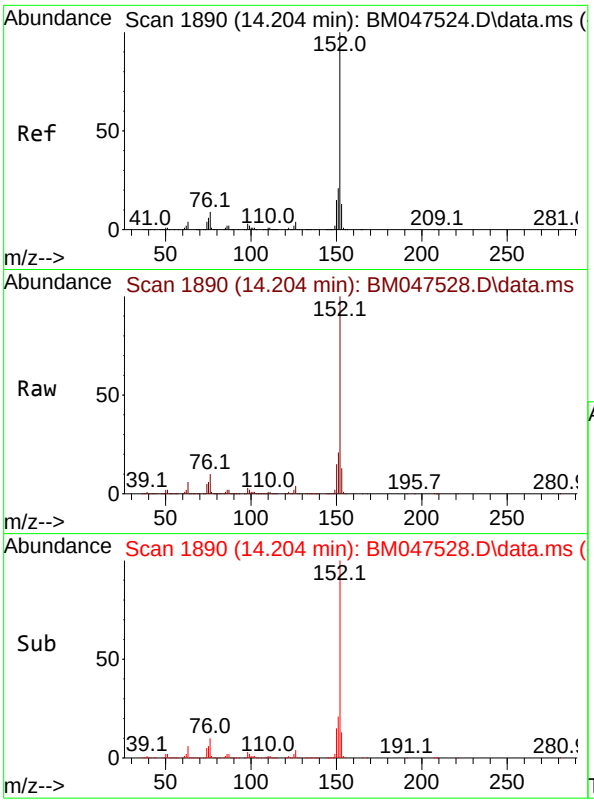



#48
2-Nitroaniline
Concen: 42.070 ng
RT: 13.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 65 Resp: 862825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.8 | 51.9 | 77.9 |
| 138 | 98.8 | 78.5 | 117.7 |

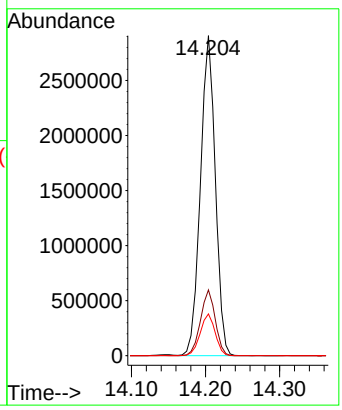





#49
Acenaphthylene
Concen: 40.313 ng
RT: 14.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:152 Resp: 406212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.5 | 24.7 |
| 153 | 13.1 | 10.4 | 15.6 |




**Instrument :**
BNA_M
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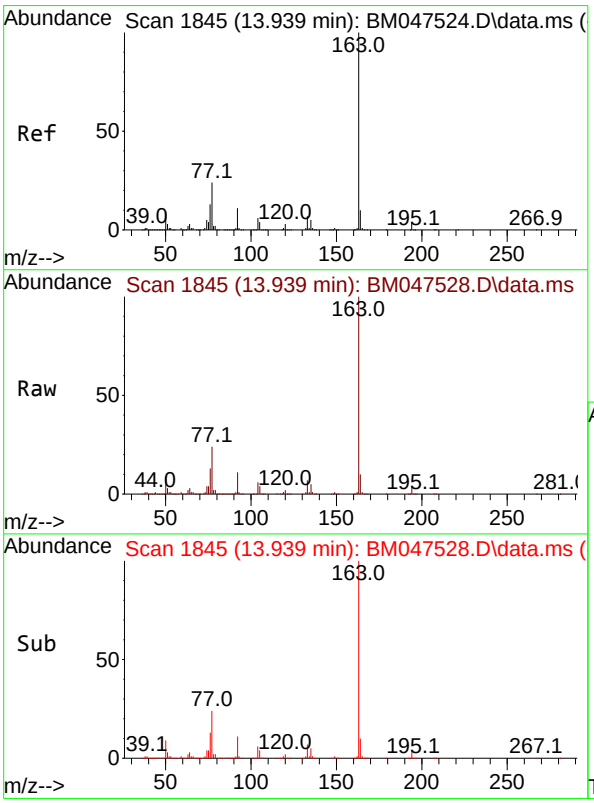
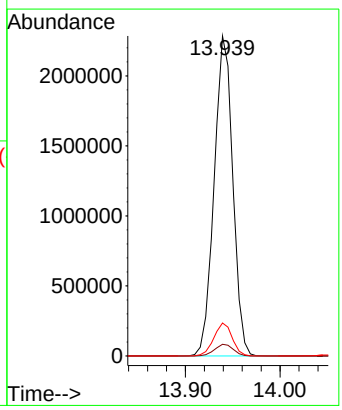
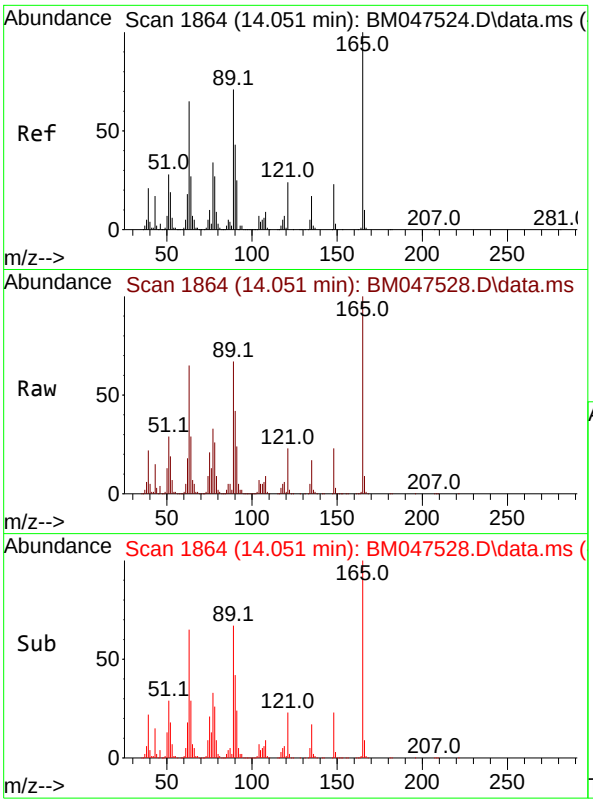



#50
Dimethylphthalate
Concen: 39.733 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:163 Resp: 3130077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.9 | 4.3 |
| 164 | 10.3 | 7.9 | 11.9 |

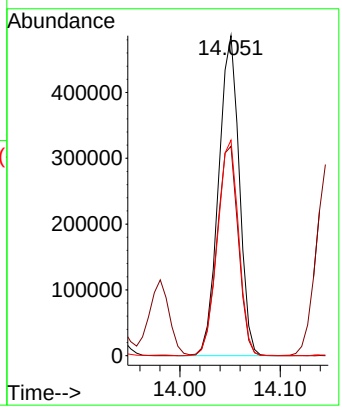





#51
2,6-Dinitrotoluene
Concen: 41.664 ng
RT: 14.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:165 Resp: 69288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 65.5 | 54.2 | 81.2 |
| 89 | 67.4 | 56.4 | 84.6 |




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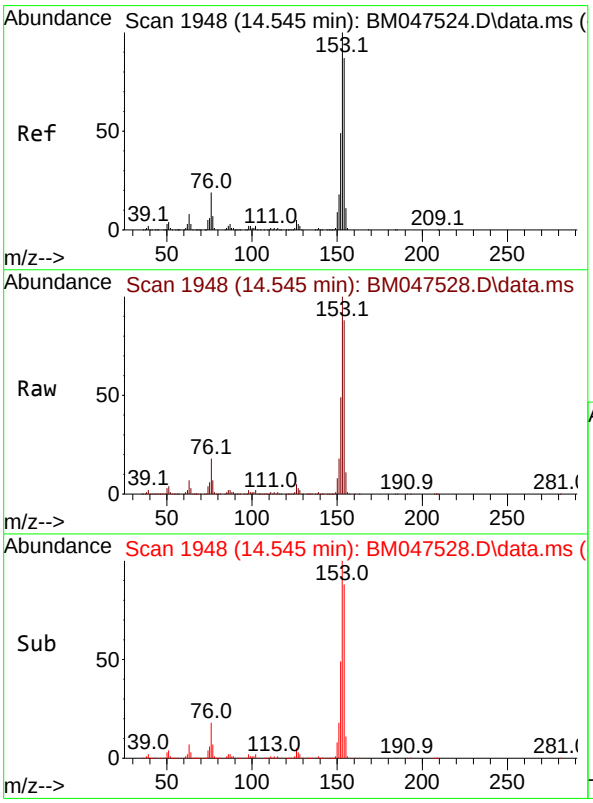
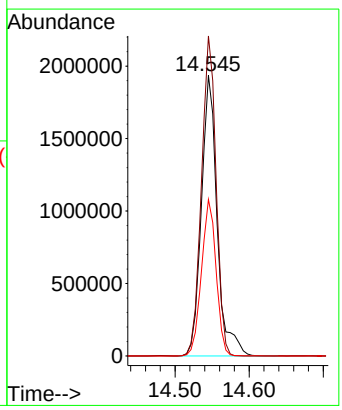
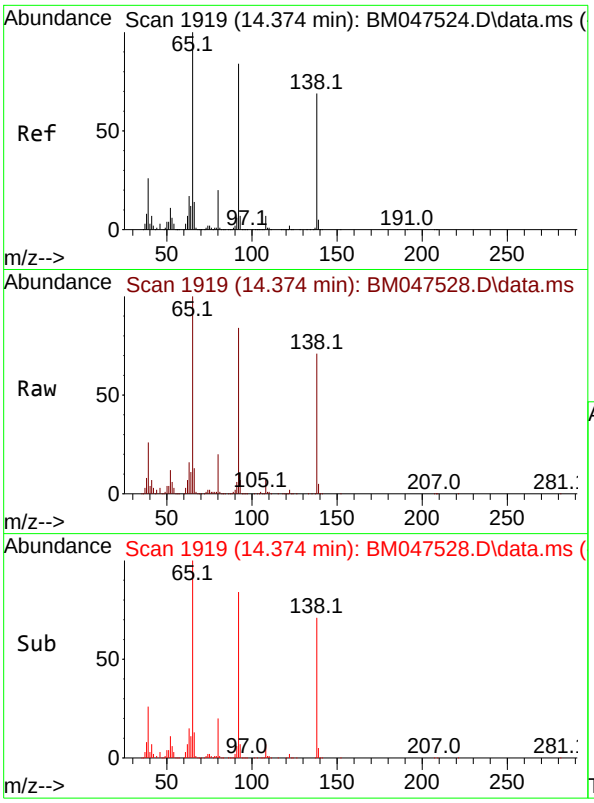



#52
Acenaphthene
Concen: 40.442 ng
RT: 14.545 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:154 Resp: 2855304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.1 | 92.2 | 138.2 |
| 152 | 55.8 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 42.236 ng
RT: 14.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:138 Resp: 78070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.0 | 12.0 |
| 92 | 117.9 | 97.4 | 146.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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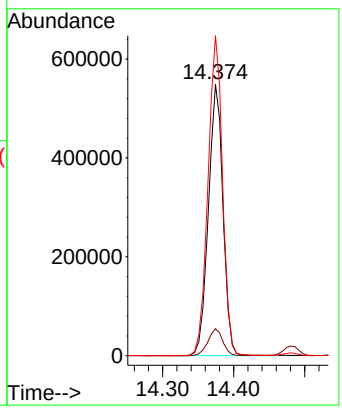
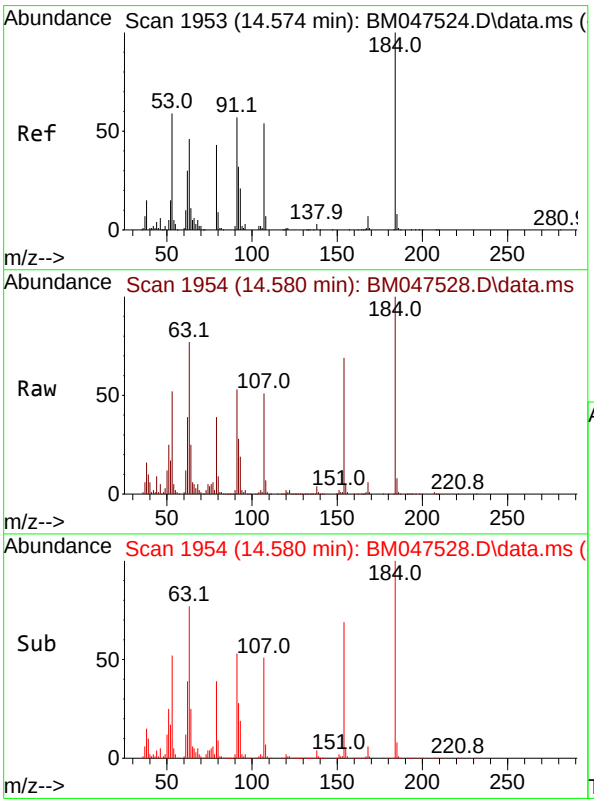
Supervised By :mohammad ahmed 09/17/2024

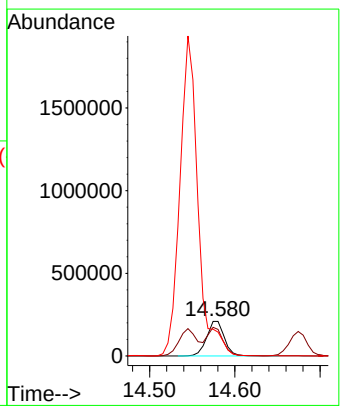


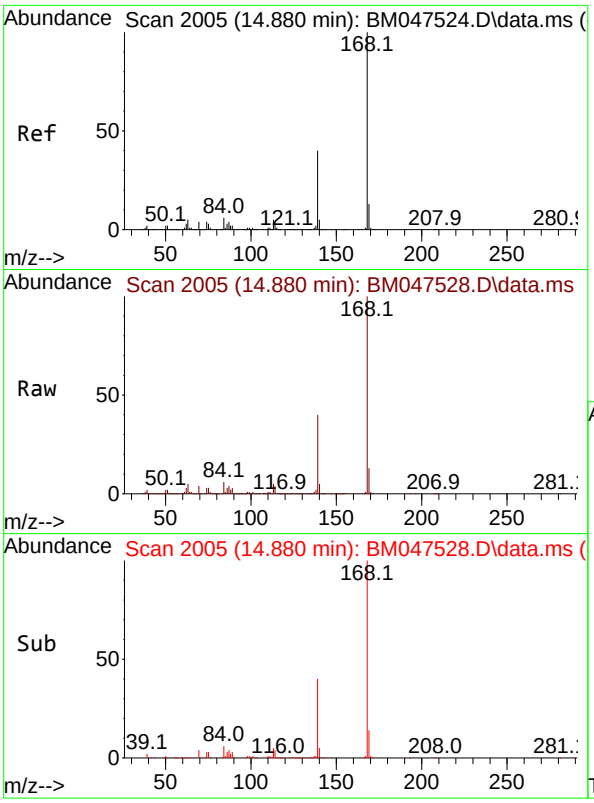




#54
2,4-Dinitrophenol
Concen: 41.320 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:184 Resp: 303273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 76.9 | 69.4 | 104.0 |
| 154 | 68.7 | 60.4 | 90.6 |

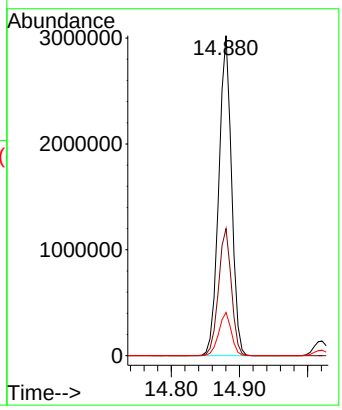





#55
Dibenzofuran
Concen: 39.603 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:168 Resp: 392908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.7 | 31.9 | 47.9 |
| 169 | 13.5 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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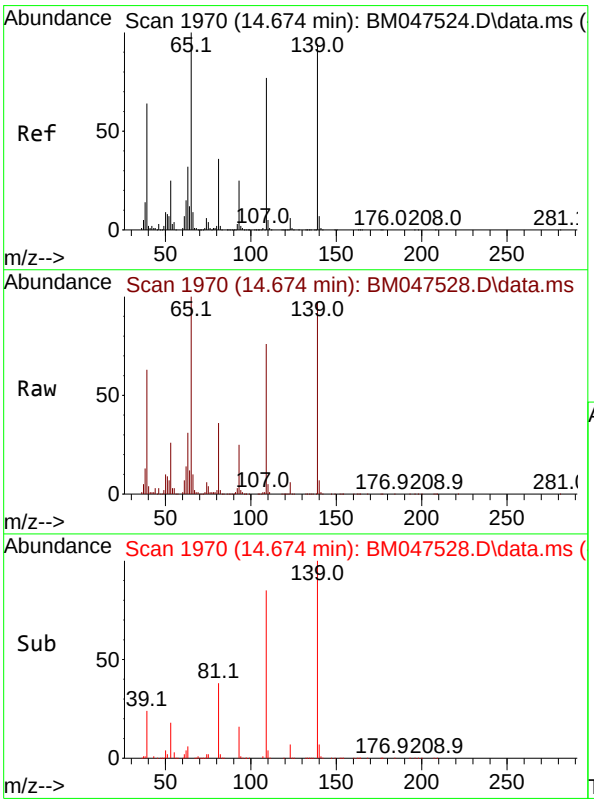
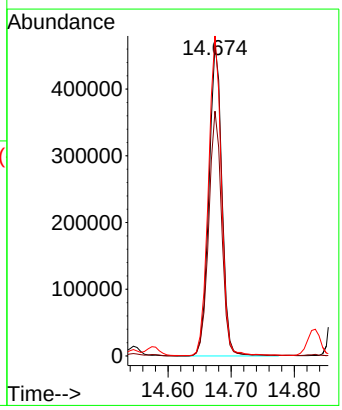
Supervised By :mohammad ahmed 09/17/2024

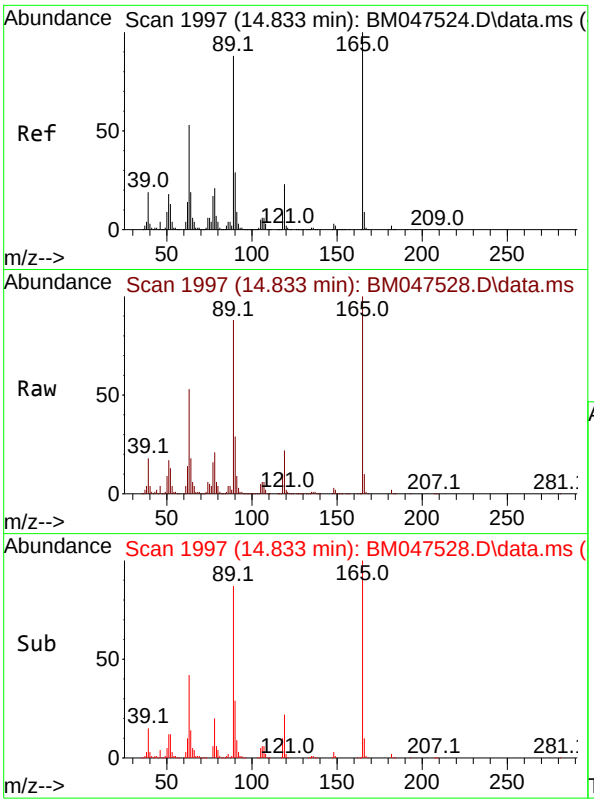



#56
4-Nitrophenol
Concen: 43.814 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:139 Resp: 666432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.6 | 62.0 | 102.0 |
| 65 | 102.7 | 87.0 | 127.0 |

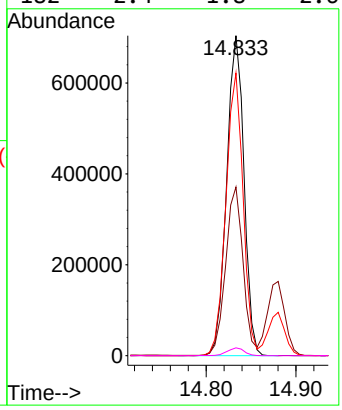





#57
2,4-Dinitrotoluene
Concen: 42.569 ng
RT: 14.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:165 Resp: 94415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.7 | 42.4 | 63.6 |
| 89 | 88.3 | 70.5 | 105.7 |
| 182 | 2.4 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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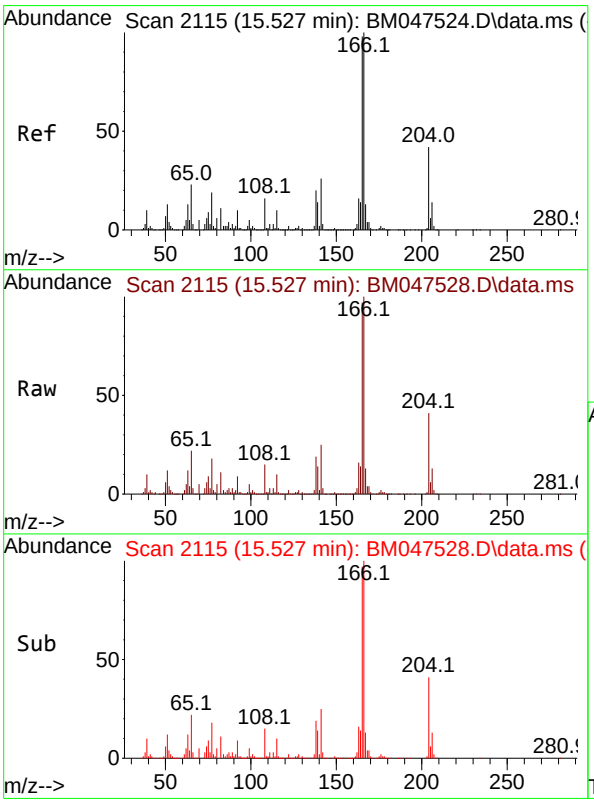
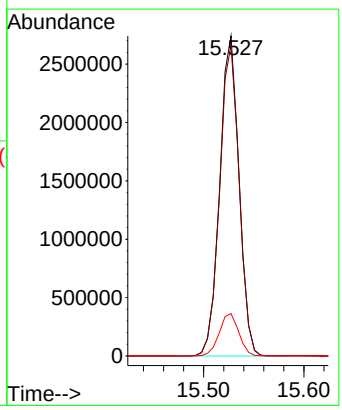
Supervised By :mohammad ahmed 09/17/2024

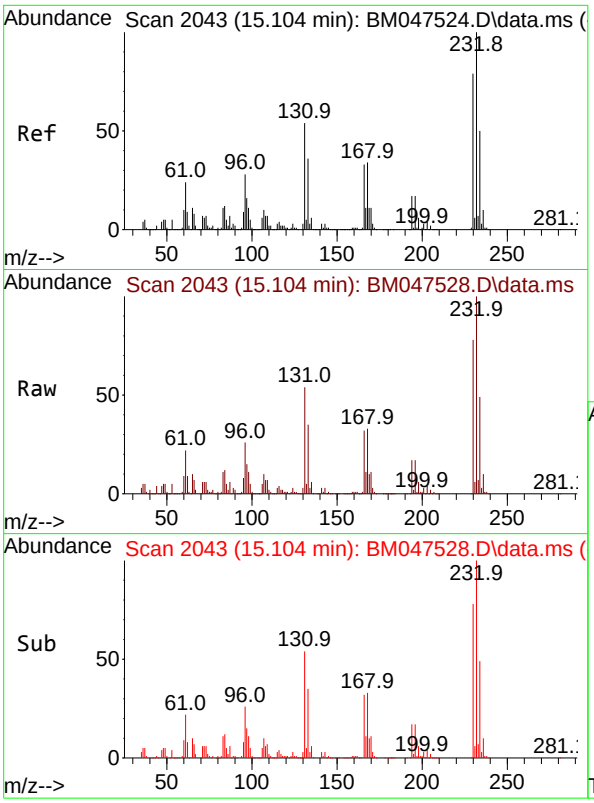



#58
Fluorene
Concen: 40.896 ng
RT: 15.527 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:166 Resp: 3652975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 78.6 | 117.8 |
| 167 | 13.2 | 10.7 | 16.1 |

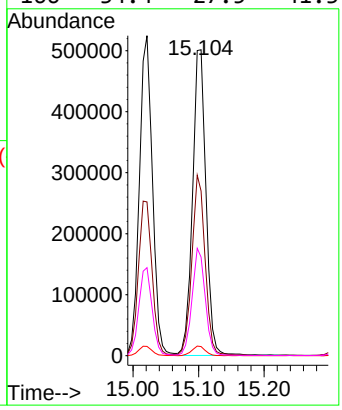





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.395 ng
RT: 15.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:232 Resp: 71425(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 58.1 | 47.0 | 70.4 |
| 130 | 3.2 | 2.6 | 3.8 |
| 166 | 34.4 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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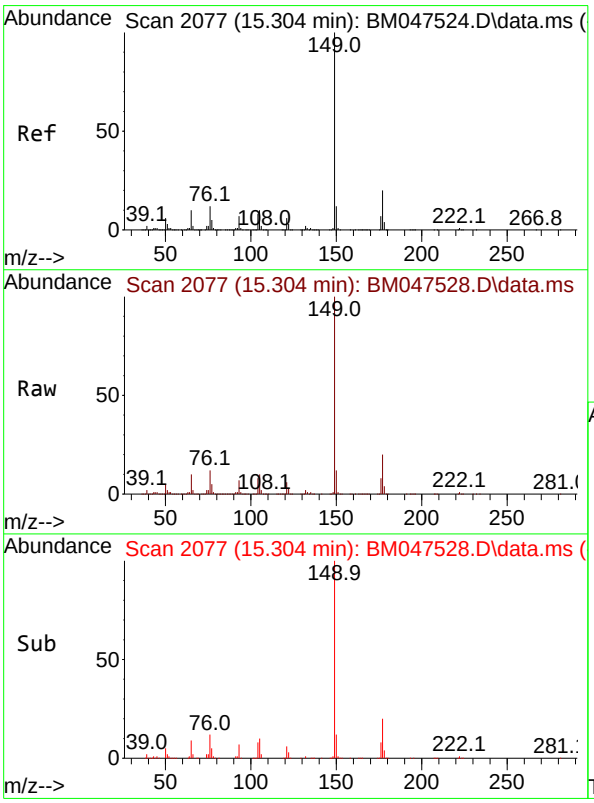
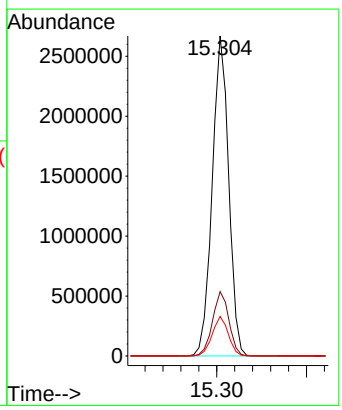
Supervised By :mohammad ahmed 09/17/2024

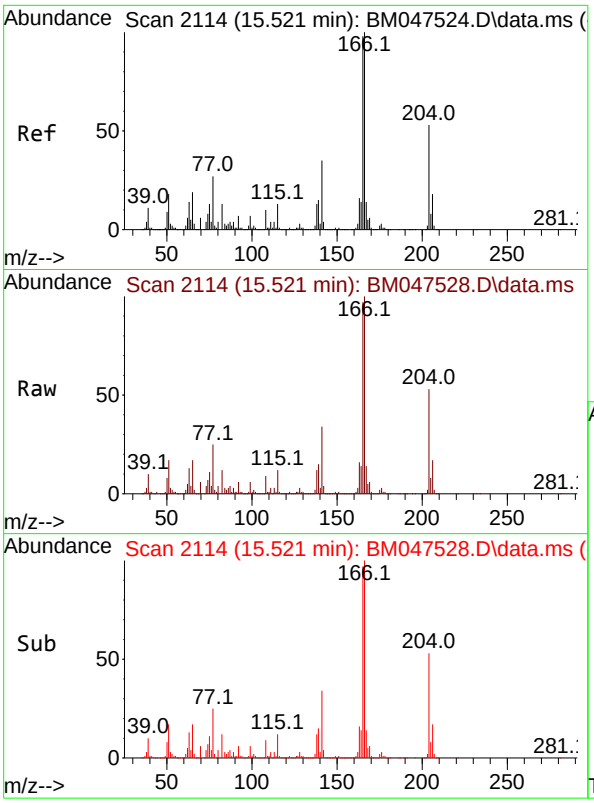



#60
Diethylphthalate
Concen: 40.482 ng
RT: 15.304 min Scan# 2077
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 3394013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.1 | 15.8 | 23.8 |
| 150 | 12.3 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 40.407 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Tgt Ion:204 Resp: 165031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.5 | 39.7 |
| 141 | 63.8 | 52.1 | 78.1 |

**Manual Integrations**
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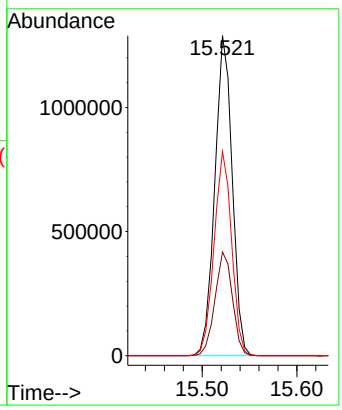
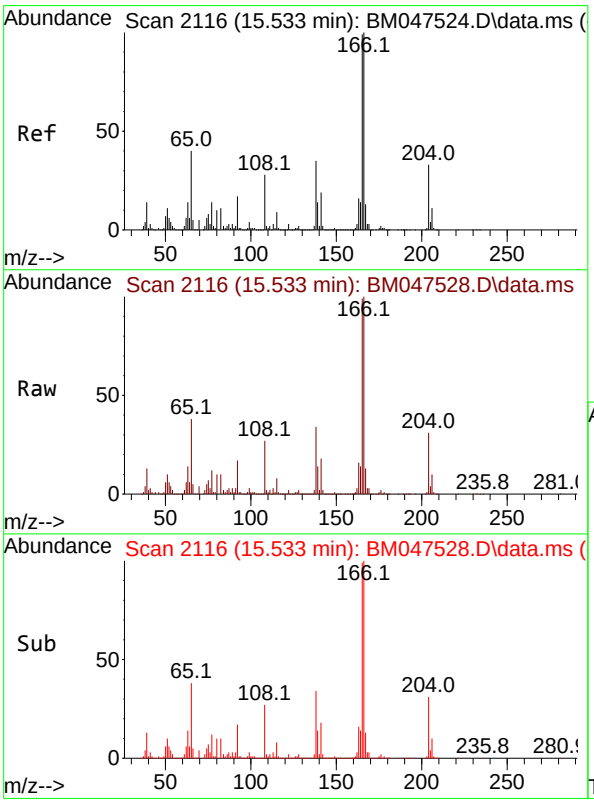
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

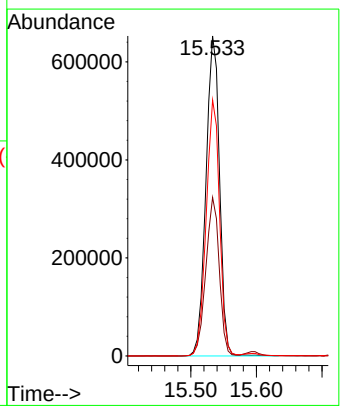


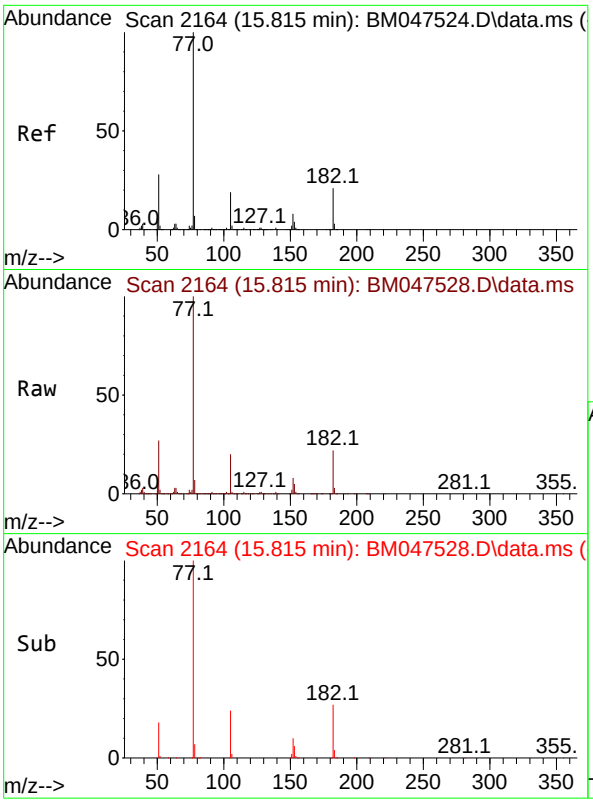




#62
4-Nitroaniline
Concen: 43.422 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:138 Resp: 943457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 30.0 | 70.0 |
| 108 | 80.0 | 61.7 | 101.7 |

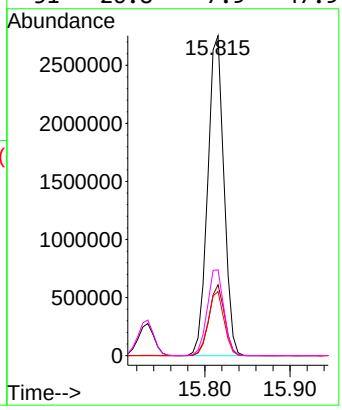





#63
Azobenzene
Concen: 39.412 ng
RT: 15.815 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion: 77 Resp: 363840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.2 | 1.2 | 41.2 |
| 105 | 20.0 | 0.0 | 39.4 |
| 51 | 26.8 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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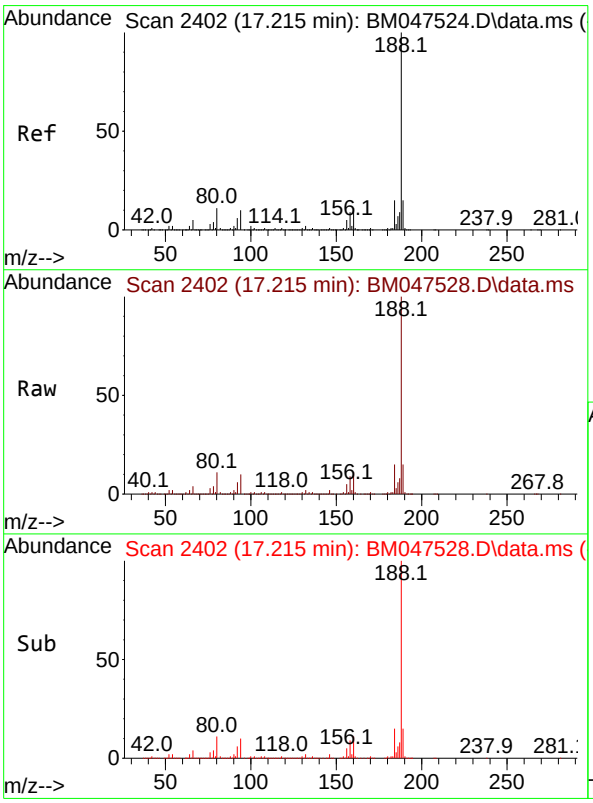
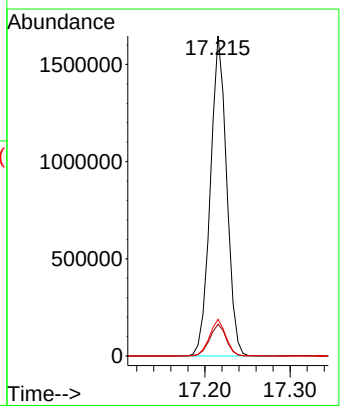
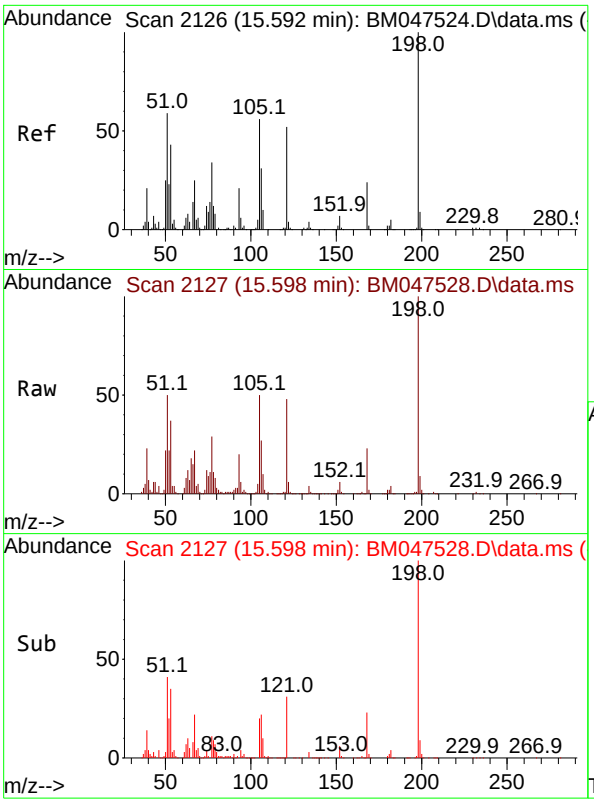



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:188 Resp: 2184120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.4 | 12.6 |
| 80 | 11.4 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 39.815 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:198 Resp: 42692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 49.6 | 41.5 | 81.5 |
| 105 | 50.1 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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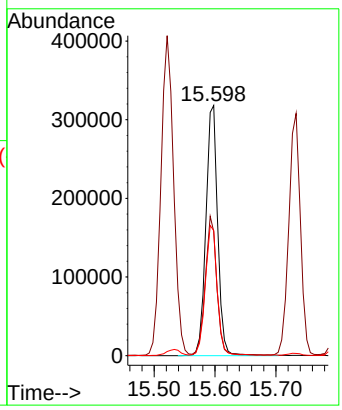
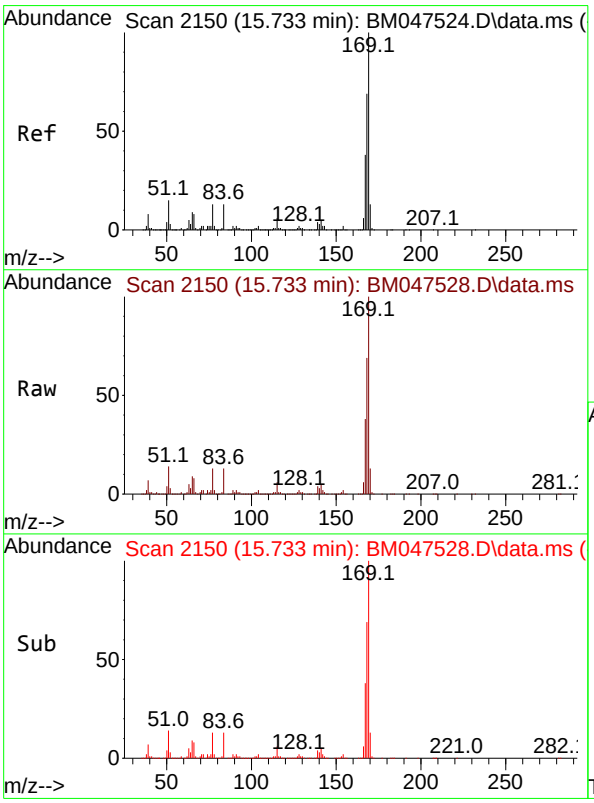
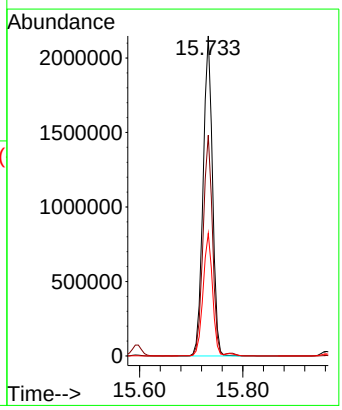


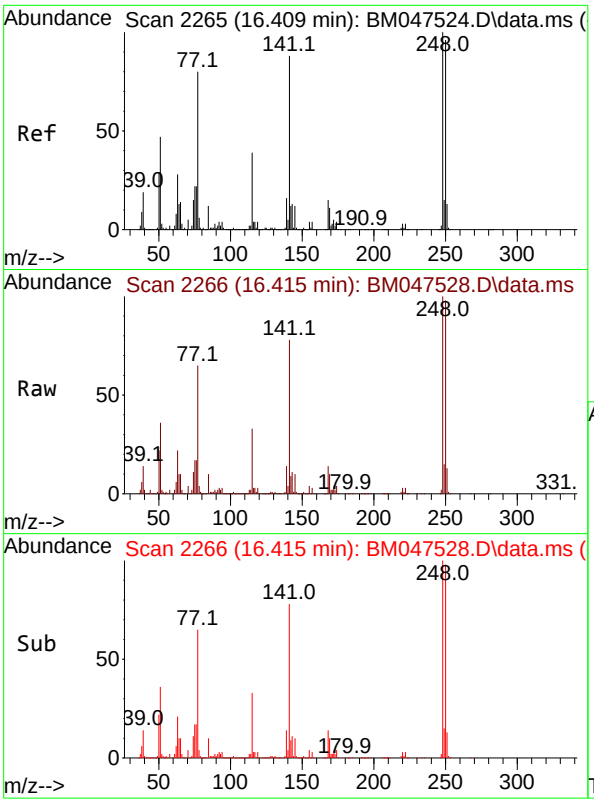




#66
n-Nitrosodiphenylamine
Concen: 40.550 ng
RT: 15.733 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:169 Resp: 2709417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.0 | 55.3 | 82.9 |
| 167 | 38.3 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 40.870 ng
RT: 16.415 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:248 Resp: 86735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.2 | 76.9 | 115.3 |
| 141 | 78.2 | 70.8 | 106.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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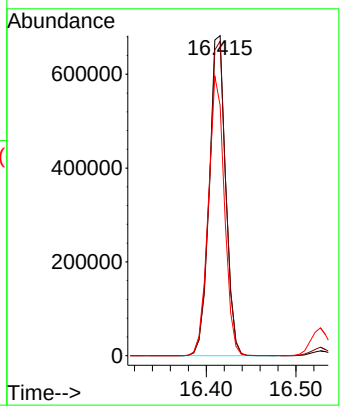
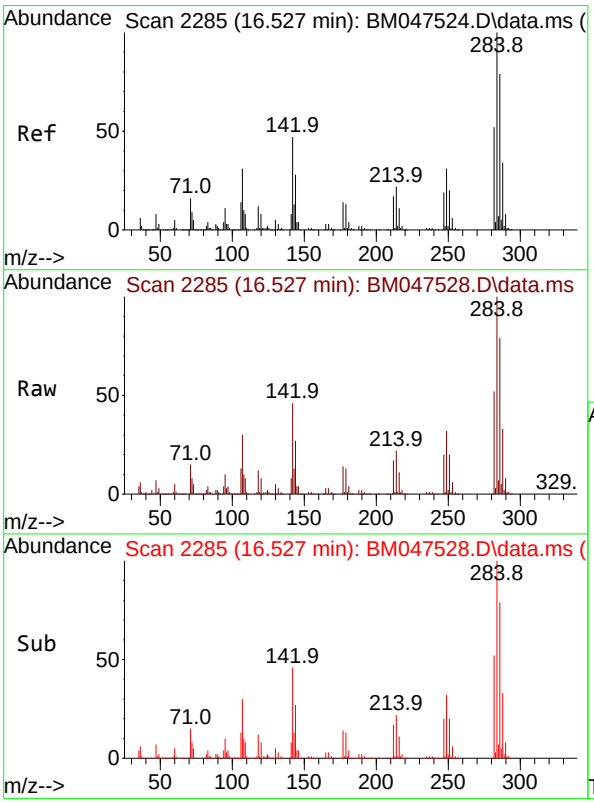
Supervised By :mohammad ahmed 09/17/2024

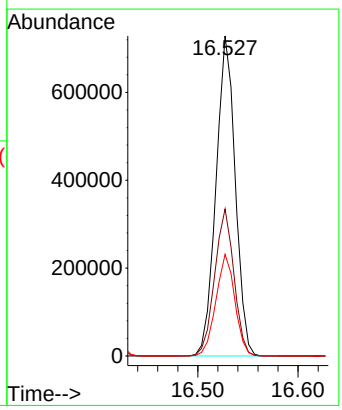


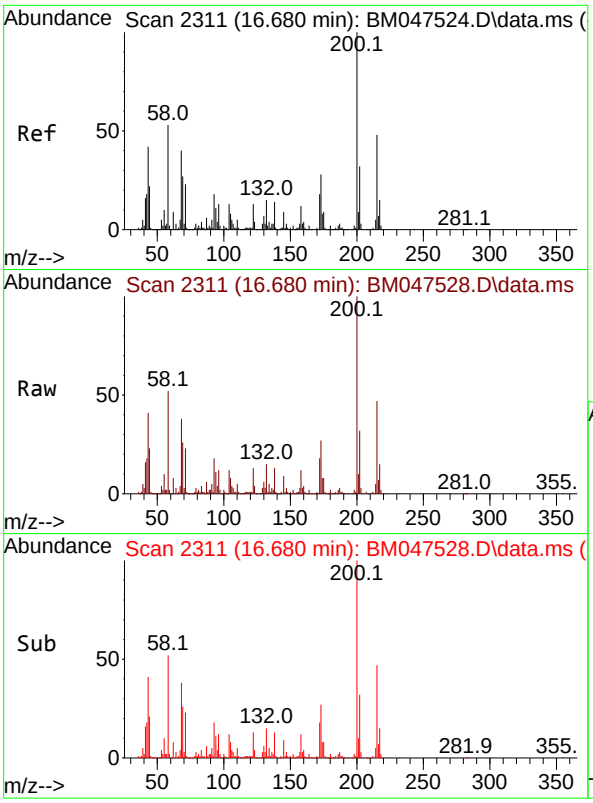




#68
Hexachlorobenzene
Concen: 40.377 ng
RT: 16.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:284 Resp: 970735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 45.9 | 37.3 | 55.9 |
| 249 | 31.8 | 24.5 | 36.7 |

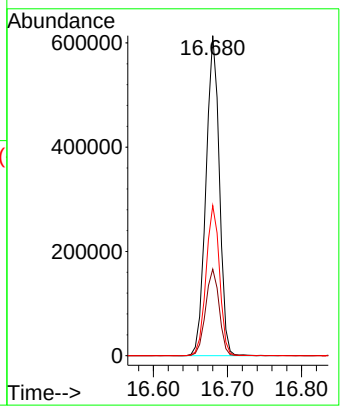





#69
Atrazine
Concen: 41.735 ng
RT: 16.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:200 Resp: 77074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 7.7 | 47.7 |
| 215 | 46.9 | 27.9 | 67.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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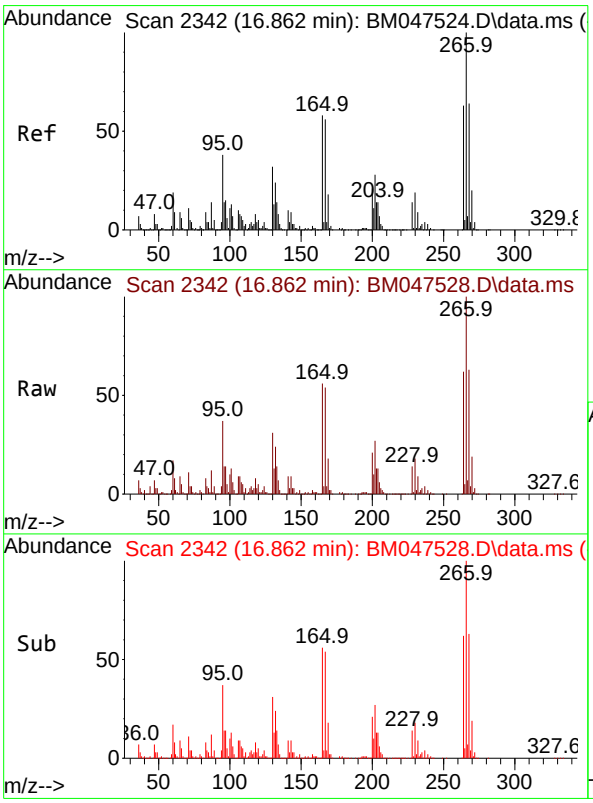
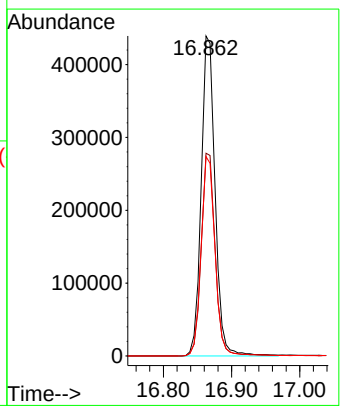
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

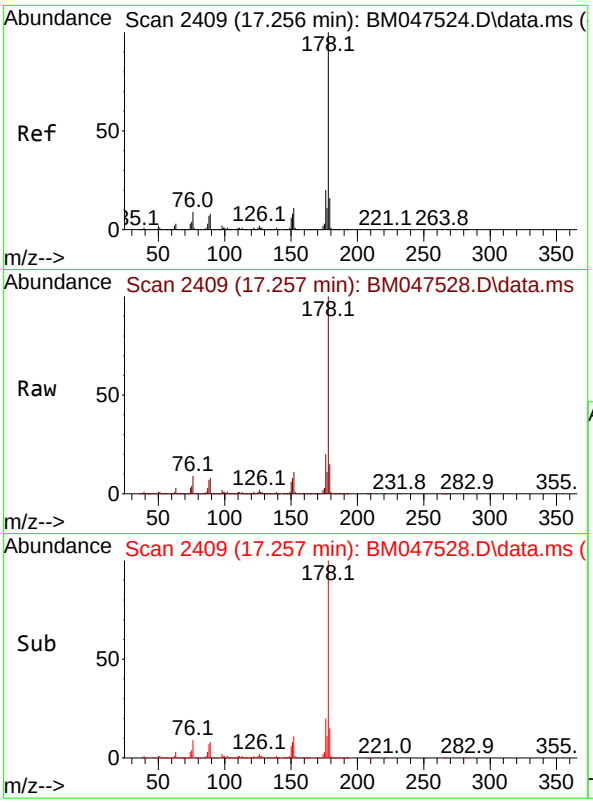



#70
Pentachlorophenol
Concen: 44.695 ng
RT: 16.862 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:266 Resp: 622891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 51.0 | 76.4 |
| 264 | 62.3 | 50.4 | 75.6 |

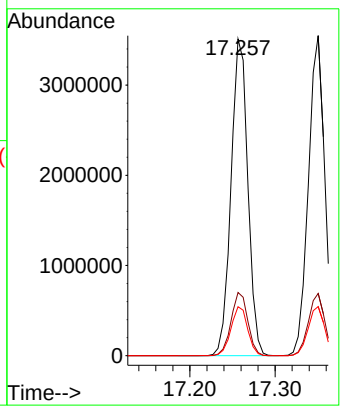





#71
Phenanthrene
Concen: 39.903 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:178 Resp: 480298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.0 | 24.0 |
| 179 | 15.4 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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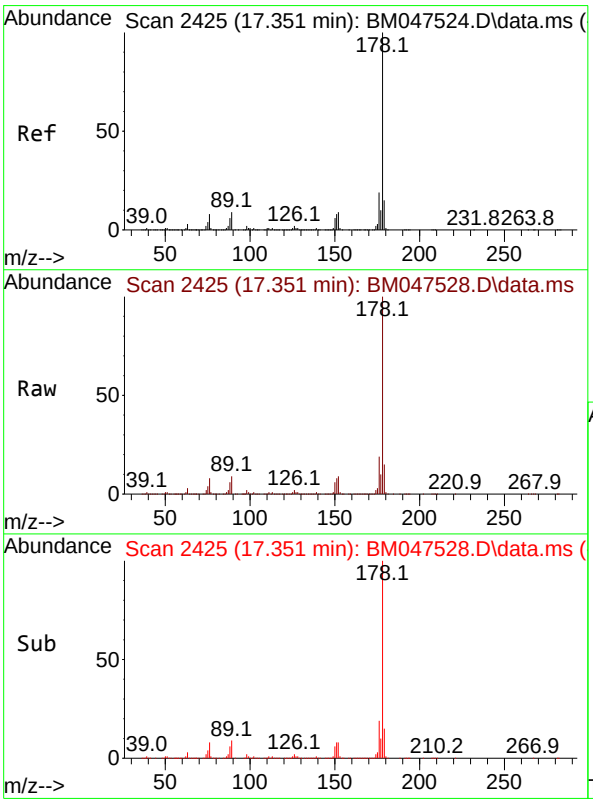
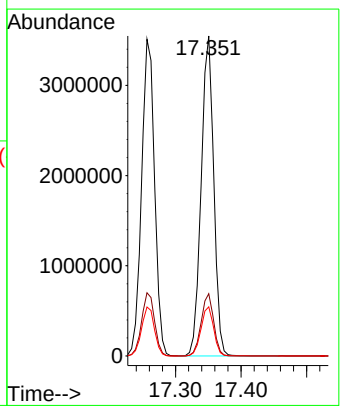
Supervised By :mohammad ahmed 09/17/2024

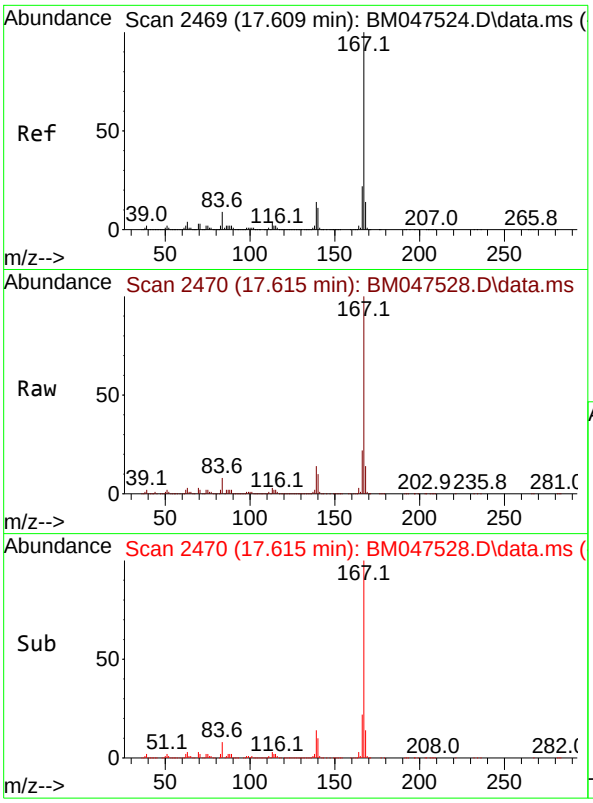



#72
Anthracene
Concen: 40.965 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:178 Resp: 4737394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.3 | 12.3 | 18.5 |






#73
Carbazole
Concen: 41.301 ng
RT: 17.615 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Tgt Ion:167 Resp: 473327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.8 | 26.8 |
| 139 | 13.6 | 11.0 | 16.6 |

**Manual Integrations**
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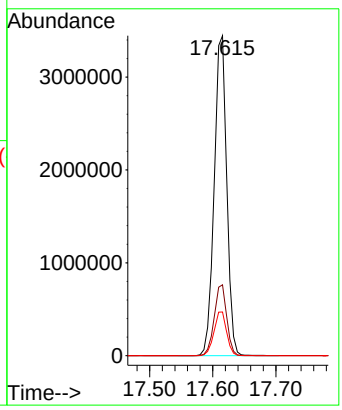
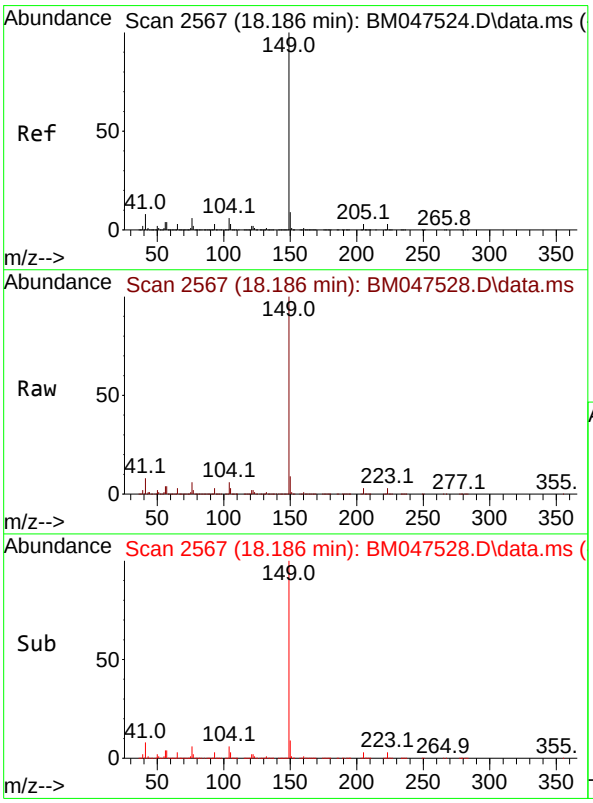
Supervised By :mohammad ahmed 09/17/2024

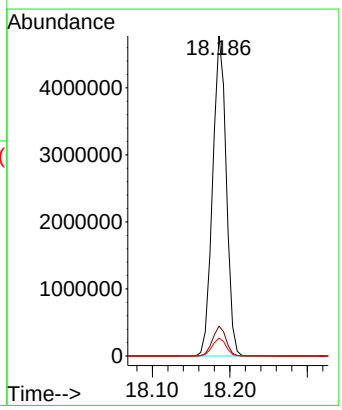


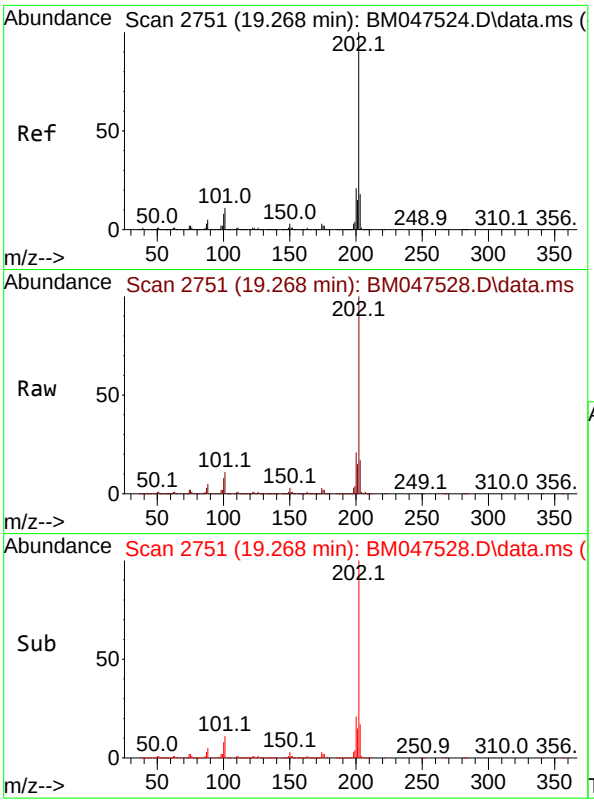




#74
Di-n-butylphthalate
Concen: 42.350 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 5807192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.4 | 11.2 |
| 104 | 5.6 | 4.6 | 6.8 |






#75
Fluoranthene
Concen: 42.122 ng
RT: 19.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:202 Resp: 553183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 0.0 | 30.8 |
| 203 | 17.3 | 0.0 | 37.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations**
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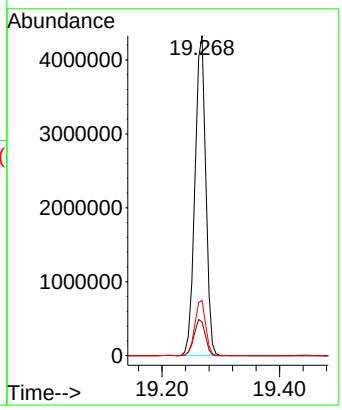
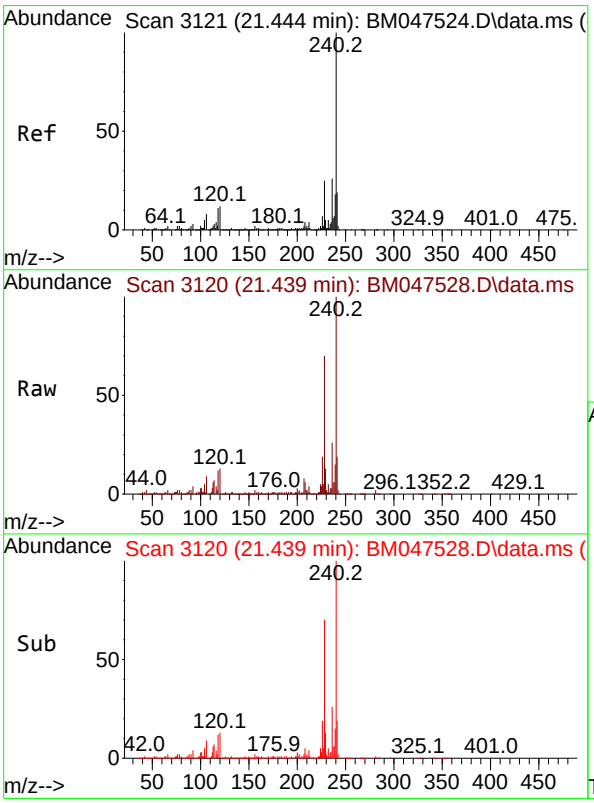
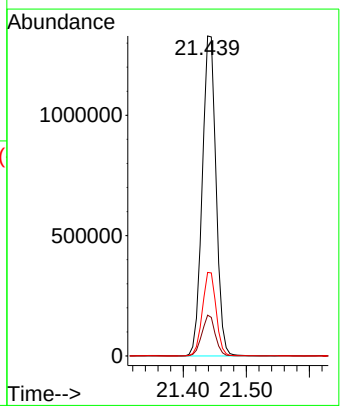


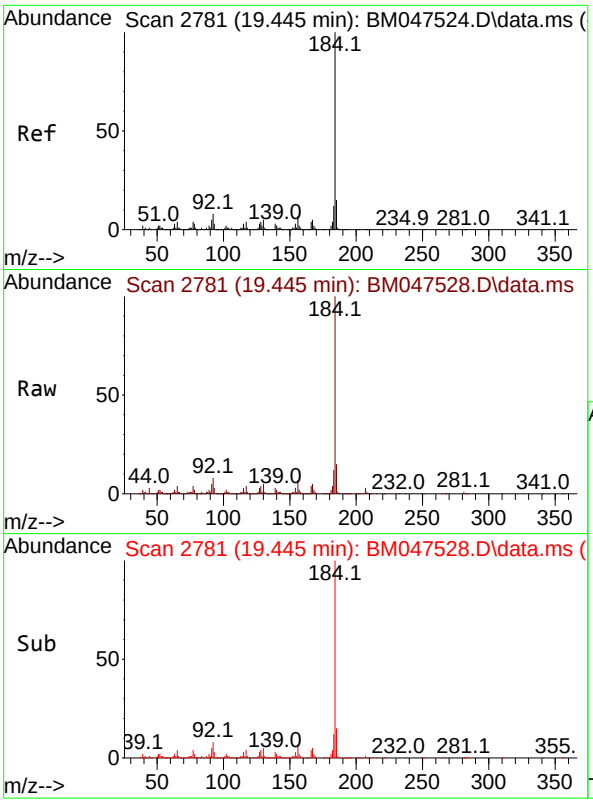




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.005 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:240 Resp: 2018814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 9.6 | 14.4 |
| 236 | 26.1 | 20.9 | 31.3 |

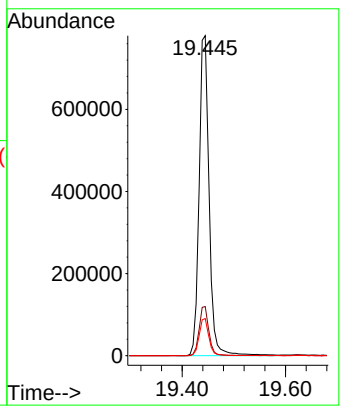





#77
Benzidine
Concen: 36.773 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:184 Resp: 104555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.3 | 12.2 | 18.2 |
| 183 | 11.6 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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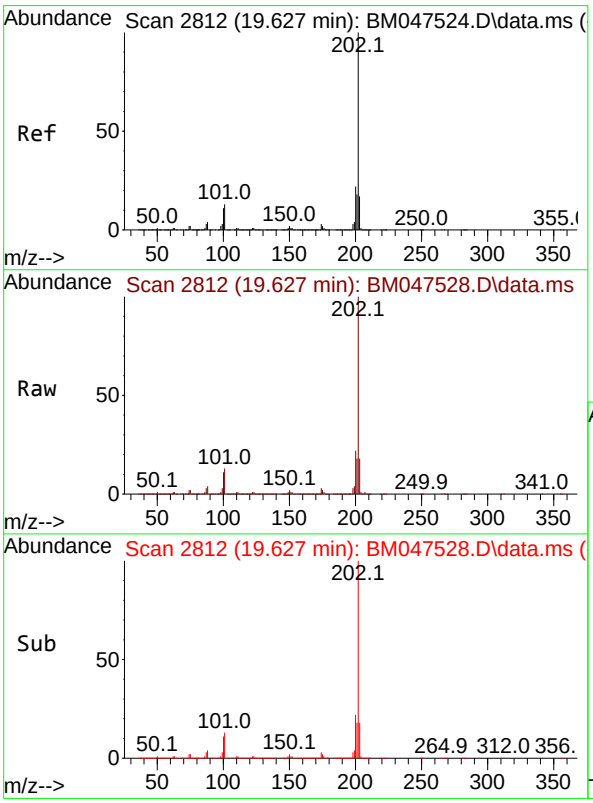
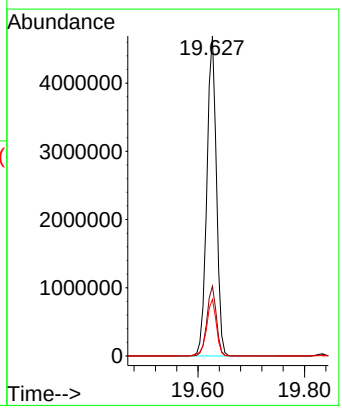
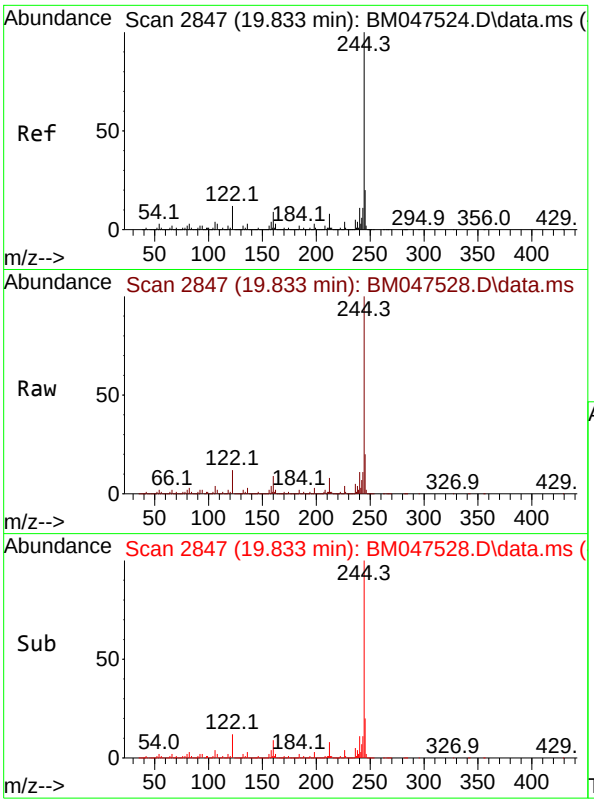



#78
Pyrene
Concen: 39.792 ng
RT: 19.627 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:202 Resp: 5859728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.8 | 17.2 | 25.8 |
| 203 | 17.7 | 14.0 | 21.0 |

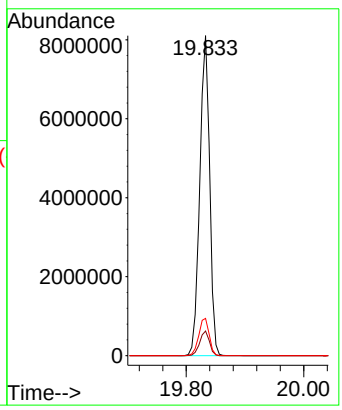





#79
Terphenyl-d14
Concen: 83.794 ng
RT: 19.833 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:244 Resp: 944027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.2 | 9.2 |
| 122 | 11.7 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

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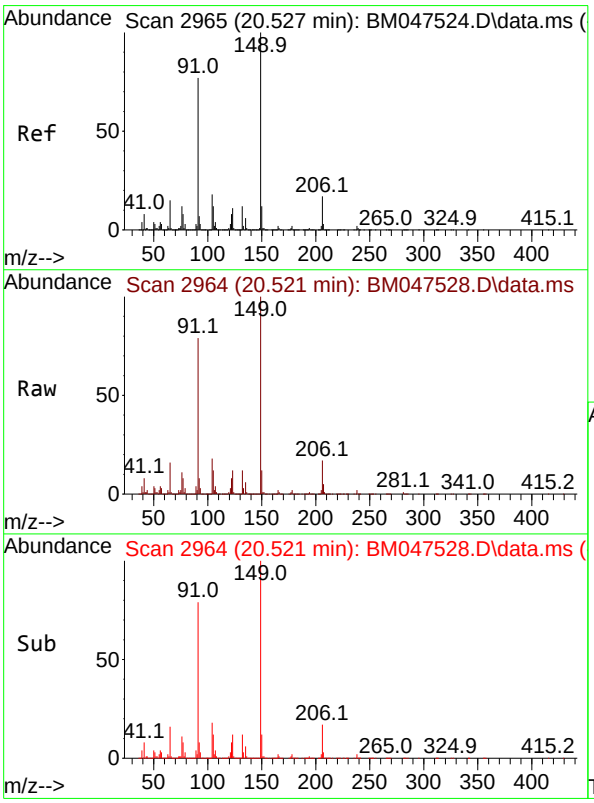
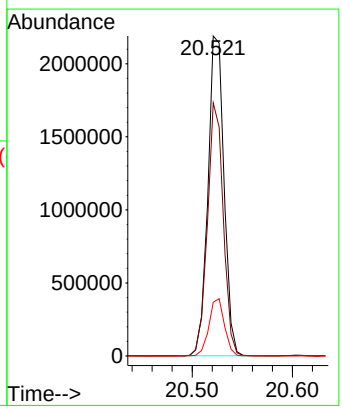
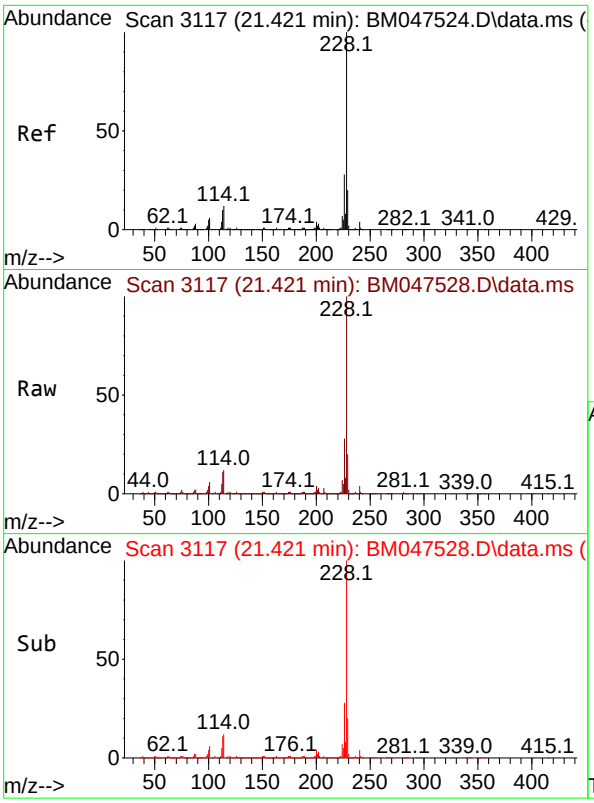



#80
Butylbenzylphthalate
Concen: 43.200 ng
RT: 20.521 min Scan# 2964
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 2448871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 79.1 | 62.0 | 93.0 |
| 206 | 16.8 | 13.8 | 20.8 |






#81
Benzo(a)anthracene
Concen: 40.554 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:228 Resp: 533634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 22.4 | 33.6 |
| 229 | 20.1 | 16.0 | 24.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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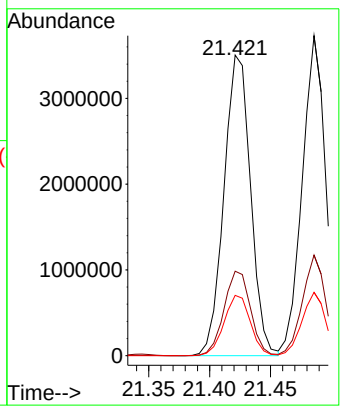
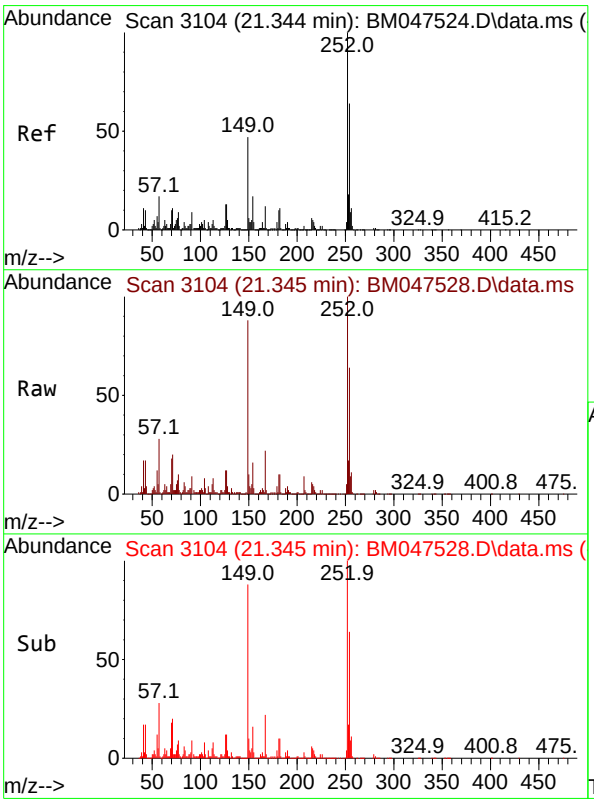
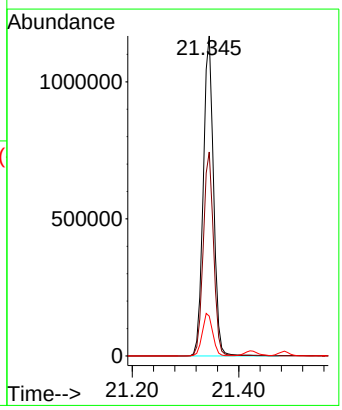


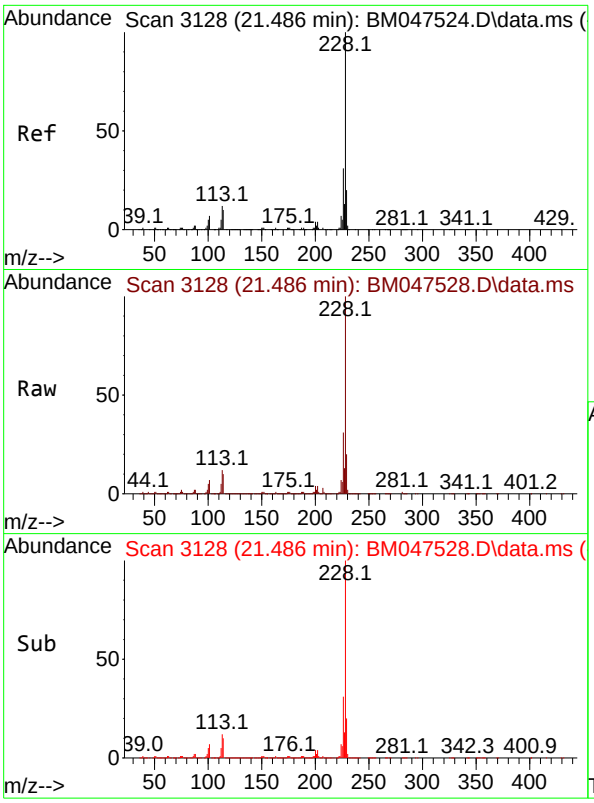




#82
3,3'-Dichlorobenzidine
Concen: 44.615 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 1561668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 51.5 | 77.3 |
| 126 | 12.5 | 10.3 | 15.5 |

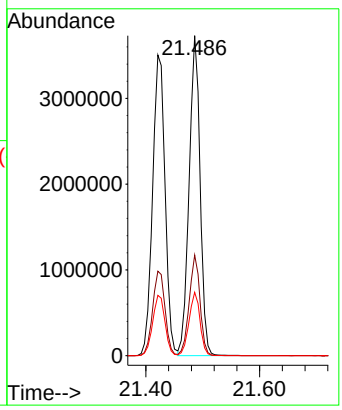





#83
Chrysene
Concen: 40.301 ng
RT: 21.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:228 Resp: 501606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.4 | 25.0 | 37.6 |
| 229 | 19.8 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

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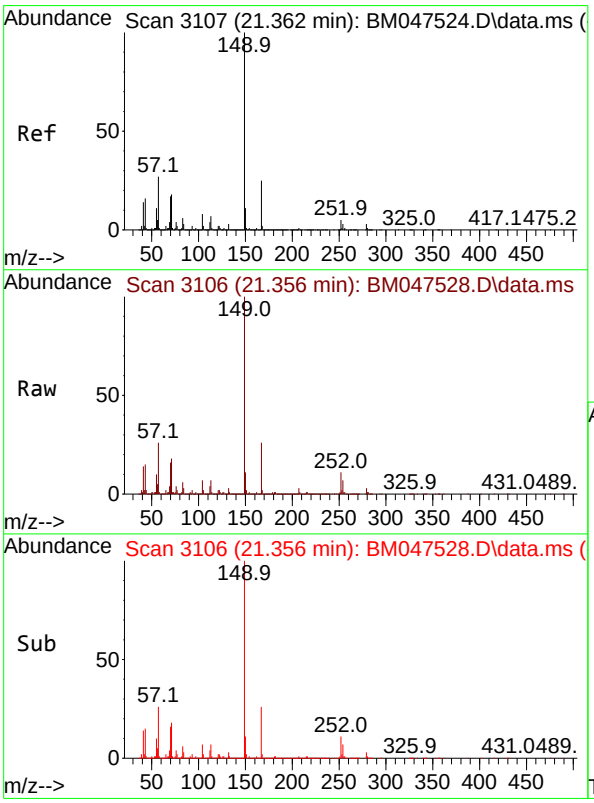
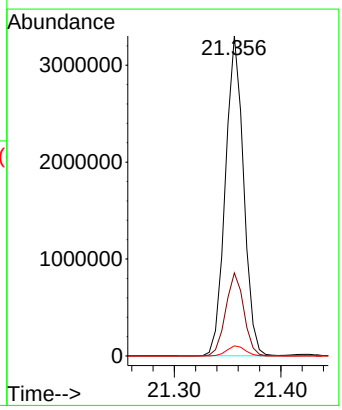
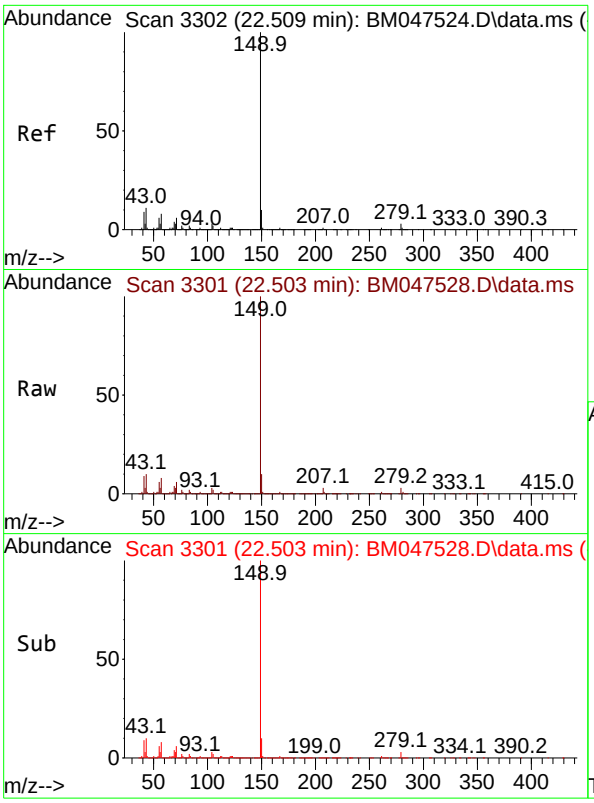



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.013 ng
RT: 21.356 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 3908511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.0 | 20.2 | 30.4 |
| 279 | 3.2 | 2.6 | 4.0 |






#85
Di-n-octyl phthalate
Concen: 46.533 ng
RT: 22.503 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:149 Resp: 584509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 10.5 | 8.9 | 13.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
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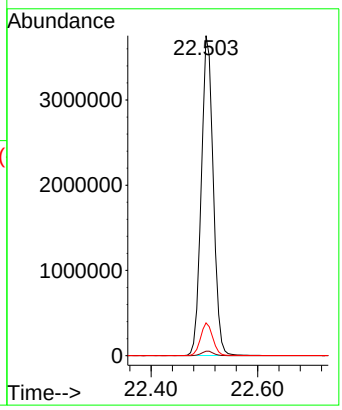
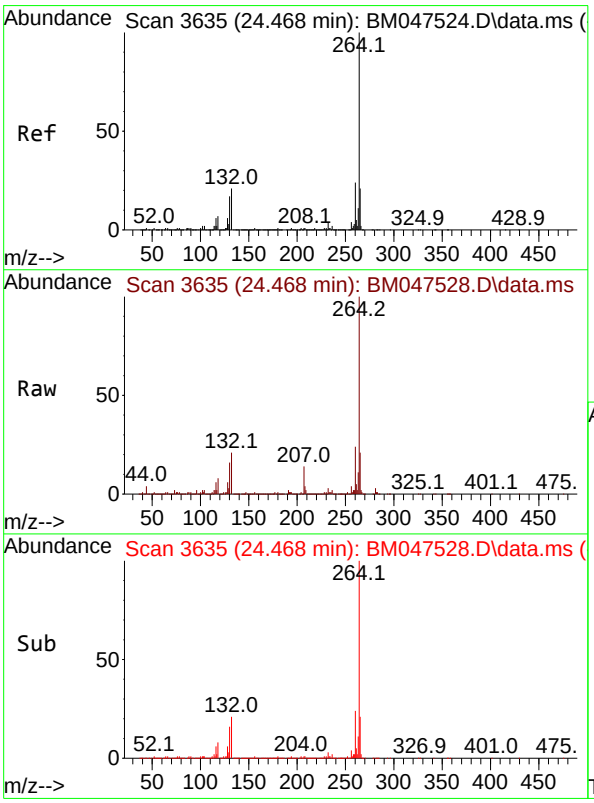
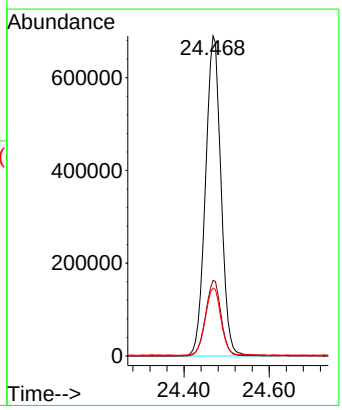


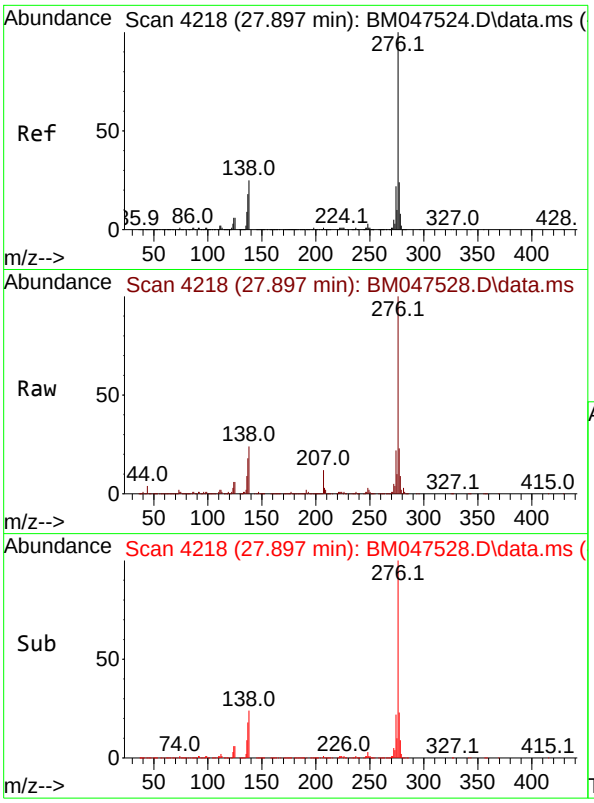




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3635
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:264 Resp: 1739593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.9 | 28.3 |
| 265 | 21.2 | 17.4 | 26.2 |

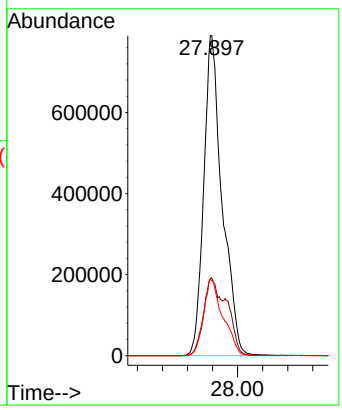





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.856 ng
RT: 27.897 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:276 Resp: 404511

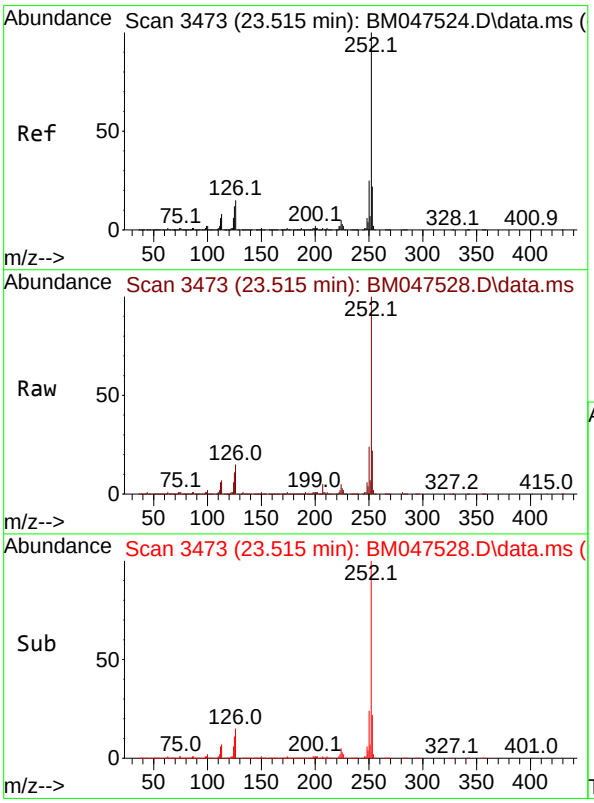
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 25.0 | 37.6 |
| 277 | 25.1 | 20.1 | 30.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
**APPROVED**

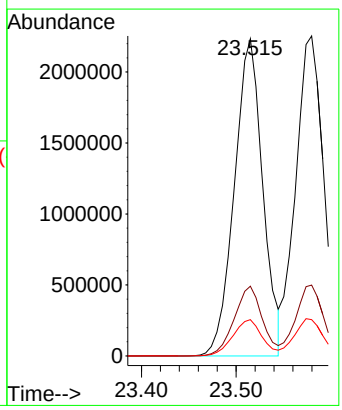
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

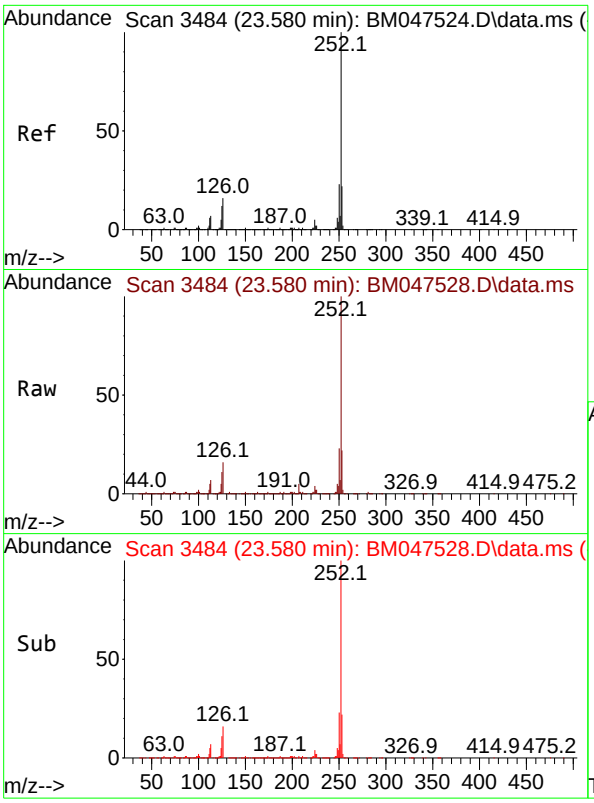



#88
Benzo(b)fluoranthene
Concen: 41.356 ng
RT: 23.515 min Scan# 3473
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 4654837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.8 |
| 125 | 11.5 | 9.5 | 14.3 |

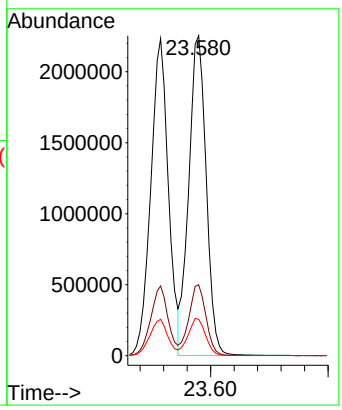





#89
Benzo(k)fluoranthene
Concen: 41.592 ng
RT: 23.580 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 463952

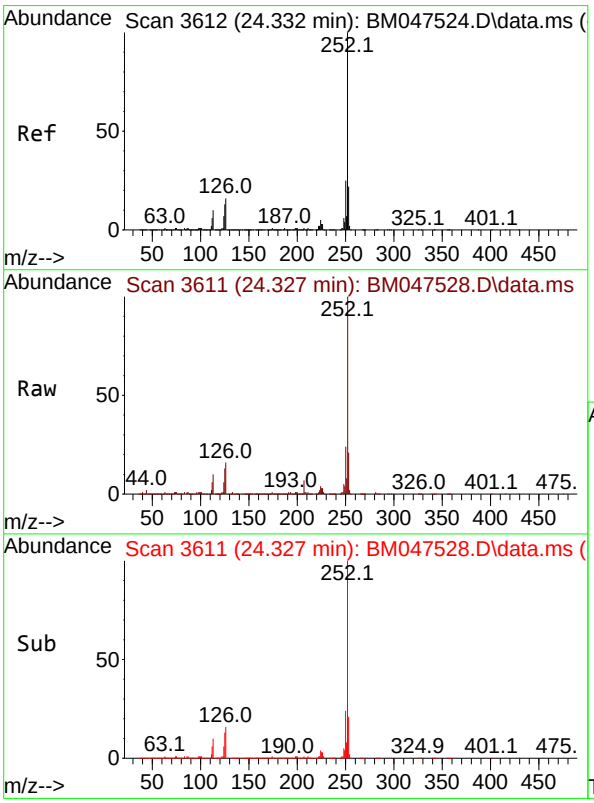
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 11.4 | 9.5 | 14.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
**APPROVED**

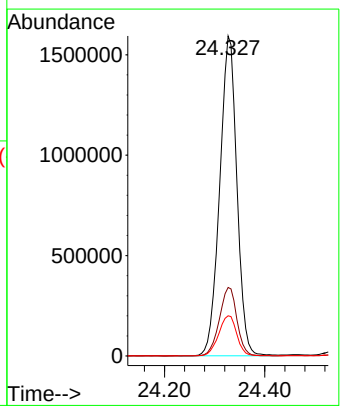
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

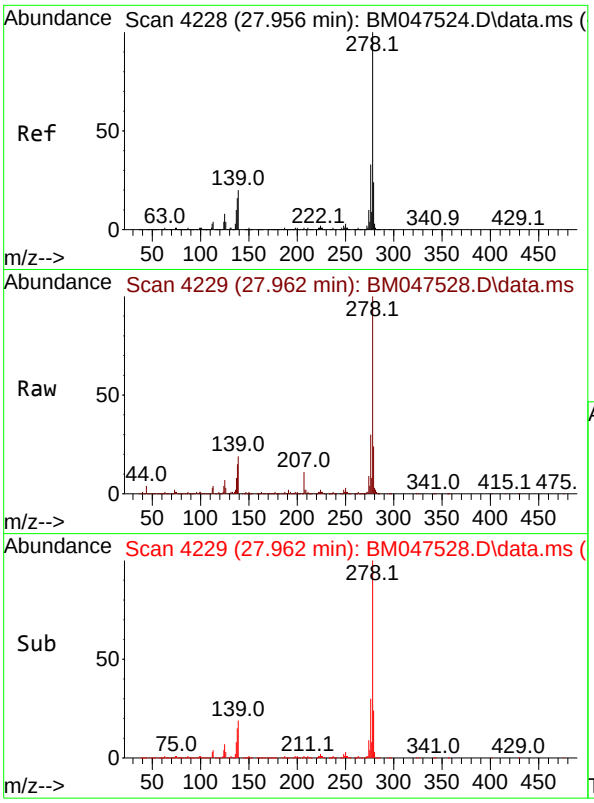



#90
Benzo(a)pyrene
Concen: 41.129 ng
RT: 24.327 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:252 Resp: 3794215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.7 | 26.5 |
| 125 | 12.5 | 10.2 | 15.4 |

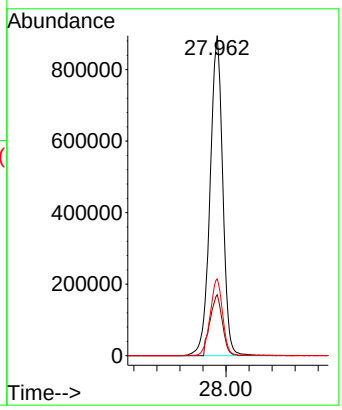





#91
Dibenzo(a,h)anthracene
Concen: 39.061 ng
RT: 27.962 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:278 Resp: 342125

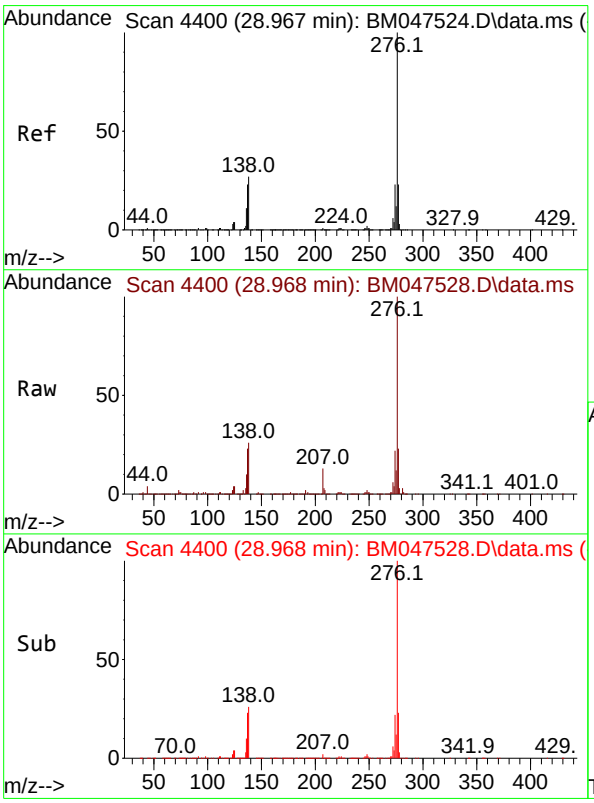
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.1 | 15.9 | 23.9 |
| 279 | 24.0 | 19.3 | 28.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

**Manual Integrations**
**APPROVED**

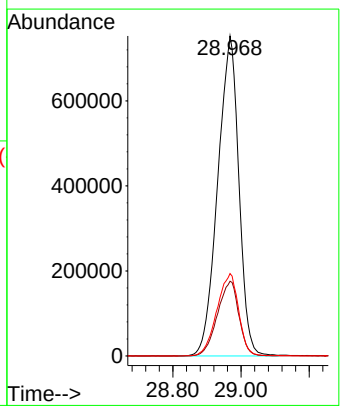
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




#92
Benzo(g,h,i)perylene
Concen: 37.708 ng
RT: 28.968 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BM047528.D
Acq: 14 Sep 2024 17:53

Tgt Ion:276 Resp: 3226301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 25.8 | 21.5 | 32.3 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 0.538 | 0.503 | 6.5 | 115 | 0.00 |
| 3 | | Pyridine | 1.601 | 1.532 | 4.3 | 115 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.727 | 0.682 | 6.2 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.256 | 1.242 | 1.1 | 119 | 0.00 |
| 6 | | Aniline | 1.568 | 1.571 | -0.2 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 1.769 | 1.796 | -1.5 | 119 | 0.00 |
| 8 | | 2-Chlorophenol | 1.385 | 1.400 | -1.1 | 119 | 0.00 |
| 9 | | Benzaldehyde | 0.841 | 0.896 | -6.5 | 127 | 0.00 |
| 10 | C | Phenol | 1.771 | 1.774 | -0.2 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.422 | 1.414 | 0.6 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.516 | 1.490 | 1.7 | 118 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.544 | 1.514 | 1.9 | 118 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.519 | 1.495 | 1.6 | 118 | 0.00 |
| 15 | | Benzyl Alcohol | 1.198 | 1.238 | -3.3 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.000 | 1.934 | 3.3 | 114 | 0.00 |
| 17 | | 2-Methylphenol | 1.132 | 1.158 | -2.3 | 118 | 0.00 |
| 18 | | Hexachloroethane | 0.617 | 0.602 | 2.4 | 116 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.193 | 1.231 | -3.2 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.579 | 1.622 | -2.7 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 22 | | Acetophenone | 0.526 | 0.519 | 1.3 | 118 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.400 | 0.395 | 1.3 | 116 | 0.00 |
| 24 | | Nitrobenzene | 0.411 | 0.403 | 1.9 | 117 | 0.00 |
| 25 | | Isophorone | 0.703 | 0.709 | -0.9 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.140 | 0.157 | -12.1 | 127 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.212 | 0.214 | -0.9 | 122 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.441 | 0.435 | 1.4 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.269 | 0.280 | -4.1 | 121 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.309 | 0.306 | 1.0 | 121 | 0.00 |
| 31 | | Naphthalene | 1.080 | 1.062 | 1.7 | 118 | 0.00 |
| 32 | | Benzoic acid | 0.187 | 0.212 | -13.4 | 132 | 0.00 |
| 33 | | 4-Chloroaniline | 0.391 | 0.392 | -0.3 | 119 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.171 | 0.168 | 1.8 | 119 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.099 | -11.2 | 126 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.309 | 0.320 | -3.6 | 120 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.719 | 0.724 | -0.7 | 119 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.714 | 0.721 | -1.0 | 120 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.541 | 0.533 | 1.5 | 119 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.177 | 0.170 | 4.0 | 113 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.193 | 0.209 | -8.3 | 126 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.339 | 0.354 | -4.4 | 123 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.383 | 0.398 | -3.9 | 123 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.452 | 1.462 | -0.7 | 118 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.556 | 1.541 | 1.0 | 120 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.208 | 1.202 | 0.5 | 120 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
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 | 0.355 | 0.373 | -5.1 | 121 | 0.00 |
| 49 | | Acenaphthylene | 1.744 | 1.757 | -0.7 | 120 | 0.00 |
| 50 | | Dimethylphthalate | 1.363 | 1.354 | 0.7 | 120 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.288 | 0.300 | -4.2 | 123 | 0.00 |
| 52 | C | Acenaphthene | 1.222 | 1.235 | -1.1 | 121 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.338 | -5.6 | 123 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.125 | 0.131 | -4.8 | 125 | 0.00 |
| 55 | | Dibenzofuran | 1.717 | 1.700 | 1.0 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.263 | 0.288 | -9.5 | 125 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.384 | 0.408 | -6.2 | 122 | 0.00 |
| 58 | | Fluorene | 1.546 | 1.580 | -2.2 | 118 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.299 | 0.309 | -3.3 | 123 | 0.00 |
| 60 | | Diethylphthalate | 1.451 | 1.468 | -1.2 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.707 | 0.714 | -1.0 | 117 | 0.00 |
| 62 | | 4-Nitroaniline | 0.376 | 0.408 | -8.5 | 119 | 0.00 |
| 63 | | Azobenzene | 1.597 | 1.574 | 1.4 | 116 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.091 | 0.098 | -7.7 | 130 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.612 | 0.620 | -1.3 | 120 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.194 | 0.199 | -2.6 | 123 | 0.00 |
| 68 | | Hexachlorobenzene | 0.220 | 0.222 | -0.9 | 122 | 0.00 |
| 69 | | Atrazine | 0.169 | 0.176 | -4.1 | 121 | 0.00 |
| 70 | C | Pentachlorophenol | 0.128 | 0.143 | -11.7 | 128 | 0.00 |
| 71 | | Phenanthrene | 1.102 | 1.100 | 0.2 | 118 | 0.00 |
| 72 | | Anthracene | 1.059 | 1.085 | -2.5 | 120 | 0.00 |
| 73 | | Carbazole | 1.049 | 1.084 | -3.3 | 121 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.256 | 1.329 | -5.8 | 121 | 0.00 |
| 75 | C | Fluoranthene | 1.203 | 1.266 | -5.2 | 120 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 77 | | Benzidine | 0.282 | 0.259 | 8.2 | 127 | 0.00 |
| 78 | | Pyrene | 1.459 | 1.451 | 0.5 | 121 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.116 | 1.169 | -4.7 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.562 | 0.607 | -8.0 | 128 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.304 | 1.322 | -1.4 | 123 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.347 | 0.387 | -11.5 | 133 | 0.00 |
| 83 | | Chrysene | 1.233 | 1.242 | -0.7 | 123 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.880 | 0.968 | -10.0 | 129 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.244 | 1.448 | -16.4 | 138 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.197 | 1.163 | 2.8 | 130 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.294 | 1.338 | -3.4 | 133 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.282 | 1.334 | -4.1 | 130 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.061 | 1.091 | -2.8 | 132 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.007 | 0.983 | 2.4 | 132 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.984 | 0.927 | 5.8 | 127 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
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_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.418 | 6.5 | 115 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.276 | 4.3 | 115 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.531 | 6.2 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.080 | 1.2 | 119 | 0.00 |
| 6 | | Aniline | 40.000 | 40.075 | -0.2 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.240 | -1.5 | 119 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.435 | -1.1 | 119 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.604 | -6.5 | 127 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.068 | -0.2 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.763 | 0.6 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.323 | 1.7 | 118 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.224 | 1.9 | 118 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.373 | 1.6 | 118 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.322 | -3.3 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.676 | 3.3 | 114 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.947 | -2.4 | 118 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.026 | 2.4 | 116 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.297 | -3.2 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.091 | -2.7 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.445 | 1.4 | 118 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.016 | 1.2 | 116 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.215 | 2.0 | 117 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.365 | -0.9 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.791 | -12.0 | 127 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.331 | -0.8 | 122 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.457 | 1.4 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.509 | -3.8 | 121 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.627 | 0.9 | 121 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.330 | 1.7 | 118 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.565 | -3.9 | 132 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.157 | -0.4 | 119 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.303 | 1.7 | 119 | 0.00 |
| 35 | | Caprolactam | 40.000 | 44.462 | -11.2 | 126 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.503 | -3.8 | 120 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.287 | -0.7 | 119 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.366 | -0.9 | 120 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 122 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.423 | 1.4 | 119 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.330 | 4.2 | 113 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 86.666 | -8.3 | 126 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.805 | -4.5 | 123 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.595 | -4.0 | 123 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.575 | -0.7 | 118 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.616 | 1.0 | 120 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.789 | 0.5 | 120 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
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 | 42.070 | -5.2 | 121 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.313 | -0.8 | 120 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.733 | 0.7 | 120 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.664 | -4.2 | 123 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.442 | -1.1 | 121 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.236 | -5.6 | 123 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.320 | -3.3 | 125 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.603 | 1.0 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 43.814 | -9.5 | 125 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.569 | -6.4 | 122 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.896 | -2.2 | 118 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.395 | -3.5 | 123 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.482 | -1.2 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.407 | -1.0 | 117 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.422 | -8.6 | 119 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.412 | 1.5 | 116 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 122 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.815 | 0.5 | 130 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.550 | -1.4 | 120 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.870 | -2.2 | 123 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.377 | -0.9 | 122 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.735 | -4.3 | 121 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.695 | -11.7 | 128 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.903 | 0.2 | 118 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.965 | -2.4 | 120 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.301 | -3.3 | 121 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.350 | -5.9 | 121 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.122 | -5.3 | 120 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 77 | | Benzidine | 40.000 | 36.773 | 8.1 | 127 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.792 | 0.5 | 121 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 83.794 | -4.7 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.200 | -8.0 | 128 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.554 | -1.4 | 123 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.615 | -11.5 | 133 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.301 | -0.8 | 123 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.013 | -10.0 | 129 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 46.533 | -16.3 | 138 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.856 | 2.9 | 130 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.356 | -3.4 | 133 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.592 | -4.0 | 130 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.129 | -2.8 | 132 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.061 | 2.3 | 132 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 37.708 | 5.7 | 127 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047528.D
Acq On : 14 Sep 2024 17:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM091424

Quant Time: Sep 15 08:58:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_F Calibration Date/Time: 09/16/2024 10:36

Lab File ID: BF139377.D Init. Calib. Date(s): 09/13/2024 09/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:32 19:44

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.226 | 1.218 | | -0.7 | |
| Phenol-d6 | 1.609 | 1.574 | | -2.2 | |
| Phenol | 1.639 | 1.629 | | -0.6 | 20.0 |
| 2-Chlorophenol | 1.262 | 1.247 | | -1.2 | |
| 2-Methylphenol | 1.003 | 0.996 | | -0.7 | |
| 3+4-Methylphenols | 1.368 | 1.341 | | -2.0 | |
| Nitrobenzene-d5 | 0.425 | 0.443 | | 4.2 | |
| 2-Nitrophenol | 0.171 | 0.177 | | 3.5 | 20.0 |
| 2,4-Dimethylphenol | 0.225 | 0.233 | | 3.6 | |
| 2,4-Dichlorophenol | 0.286 | 0.291 | | 1.7 | 20.0 |
| Benzoic acid | 0.211 | 0.219 | | 3.8 | |
| 4-Chloro-3-methylphenol | 0.327 | 0.331 | | 1.2 | 20.0 |
| 2,4,6-Trichlorophenol | 0.386 | 0.406 | | 5.2 | 20.0 |
| 2-Fluorobiphenyl | 1.426 | 1.488 | | 4.3 | |
| 2,4,5-Trichlorophenol | 0.407 | 0.418 | | 2.7 | |
| 2,4-Dinitrophenol | 0.162 | 0.157 | 0.050 | -3.1 | |
| 4-Nitrophenol | 0.240 | 0.241 | 0.050 | 0.4 | |
| 4,6-Dinitro-2-methylphenol | 0.106 | 0.114 | | 7.5 | |
| 2,4,6-Tribromophenol | 0.213 | 0.208 | | -2.3 | |
| Pentachlorophenol | 0.140 | 0.150 | | 7.1 | 20.0 |
| Terphenyl-d14 | 1.218 | 1.320 | | 8.4 | |
| 2,3,4,6-Tetrachlorophenol | 0.336 | 0.349 | | 3.9 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 66091 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 230944 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 122358 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 221286 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 116037 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 120558 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 321981 | 79.476 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 416075 | 78.245 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 409247 | 83.307 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 101902 | 78.227 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 728037 | 83.451 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 612505 | 86.641 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 65518 | 40.309 | ng | | 99 |
| 3) Pyridine | 3.416 | 79 | 152031 | 42.424 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 122133 | 39.320 | ng | | 93 |
| 6) Aniline | 6.545 | 93 | 156831 | 39.081 | ng | | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 164831 | 39.525 | ng | | 97 |
| 9) Benzaldehyde | 6.428 | 77 | 106604 | 34.698 | ng | | 98 |
| 10) Phenol | 6.522 | 94 | 215363 | 39.765 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 154691 | 37.579 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 186869 | 39.401 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 190689 | 39.787 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 180104 | 39.769 | ng | | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 167305 | 39.435 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 259443 | 40.896 | ng | | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 131636 | 39.729 | ng | | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 72661 | 39.803 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 127698 | 40.524 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 177222 | 39.204 | ng | # | 85 |
| 22) Acetophenone | 7.287 | 105 | 248234 | 41.115 | ng | | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 206879 | 40.917 | ng | | 100 |
| 25) Isophorone | 7.698 | 82 | 320290 | 41.226 | ng | | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 81728 | 41.490 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 107638 | 41.426 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 181037 | 40.886 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 134262 | 40.675 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 153999 | 40.040 | ng | | 99 |
| 31) Naphthalene | 8.187 | 128 | 492048 | 40.811 | ng | | 100 |
| 32) Benzoic acid | 7.928 | 122 | 101039 | 41.552 | ng | | 99 |
| 33) 4-Chloroaniline | 8.234 | 127 | 149676 | 40.580 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 108817 | 41.645 | ng | | 98 |
| 35) Caprolactam | 8.604 | 113 | 40031 | 39.424 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 152889 | 40.528 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 309476 | 40.440 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 300979 | 40.060 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 151921 | 41.894 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 56125 | 44.327 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 99323 | 42.099 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

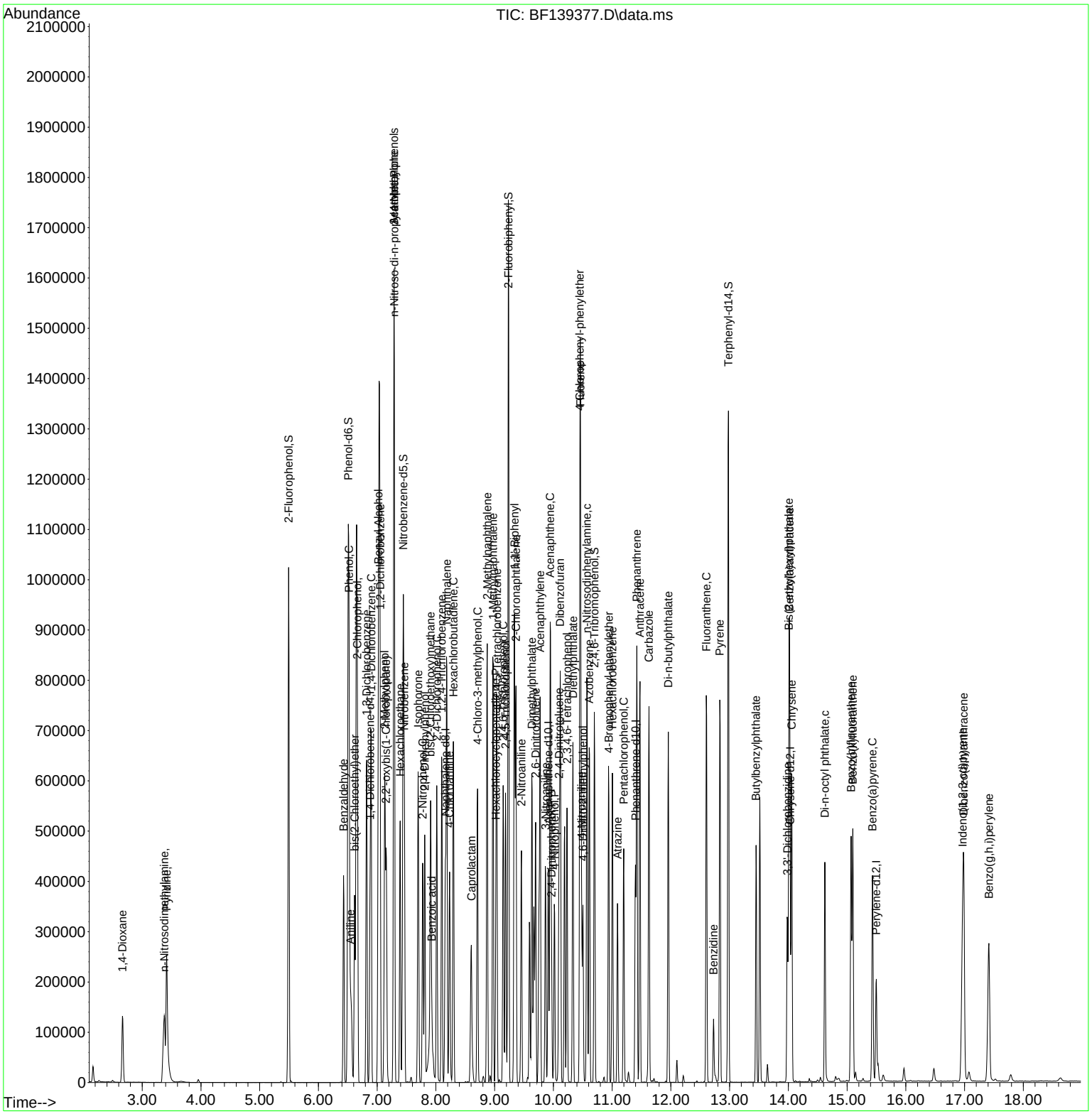
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 102202 | 41.068 | ng | 96 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 390146 | 41.446 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 291444 | 41.408 | ng | 98 |
| 48) 2-Nitroaniline | 9.457 | 65 | 109200 | 41.713 | ng | 97 |
| 49) Acenaphthylene | 9.775 | 152 | 432938 | 40.863 | ng | 100 |
| 50) Dimethylphthalate | 9.633 | 163 | 326964 | 40.713 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 75302 | 42.326 | ng | 99 |
| 52) Acenaphthene | 9.945 | 154 | 302178 | 40.866 | ng | 99 |
| 53) 3-Nitroaniline | 9.869 | 138 | 76572 | 43.067 | ng | 91 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 38389 | 38.724 | ng | 98 |
| 55) Dibenzofuran | 10.116 | 168 | 414689 | 40.236 | ng | 100 |
| 56) 4-Nitrophenol | 10.022 | 139 | 58992 | 40.098 | ng | 91 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 98729 | 41.104 | ng | 98 |
| 58) Fluorene | 10.463 | 166 | 340138 | 40.449 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 85315 | 41.442 | ng | 98 |
| 60) Diethylphthalate | 10.333 | 149 | 335912 | 40.532 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 167063 | 40.879 | ng | 99 |
| 62) 4-Nitroaniline | 10.480 | 138 | 76133 | 39.234 | ng | 99 |
| 63) Azobenzene | 10.610 | 77 | 331221 | 40.634 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 50320 | 43.085 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 271048 | 41.895 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 94692 | 43.182 | ng | 99 |
| 68) Hexachlorobenzene | 11.004 | 284 | 107799 | 41.886 | ng | 98 |
| 69) Atrazine | 11.092 | 200 | 53431 | 34.691 | ng | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 66462 | 43.037 | ng | 98 |
| 71) Phenanthrene | 11.422 | 178 | 440181 | 41.230 | ng | 99 |
| 72) Anthracene | 11.475 | 178 | 430011 | 41.196 | ng | 99 |
| 73) Carbazole | 11.627 | 167 | 408067 | 40.846 | ng | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 457689 | 41.126 | ng | 100 |
| 75) Fluoranthene | 12.604 | 202 | 451045 | 39.561 | ng | 99 |
| 77) Benzidine | 12.727 | 184 | 72271 | 43.472 | ng | 99 |
| 78) Pyrene | 12.833 | 202 | 448254 | 44.990 | ng | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 140853 | 41.533 | ng | 100 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 314524 | 40.920 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 92328 | 41.018 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 289263 | 40.906 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 174926 | 40.547 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 263480 | 41.470 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.968 | 276 | 317744 | 44.324 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 288585 | 38.813 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 285530 | 41.650 | ng | 99 |
| 90) Benzo(a)pyrene | 15.433 | 252 | 255357 | 41.411 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.986 | 278 | 263243 | 44.439 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.415 | 276 | 265389 | 45.248 | ng | 99 |

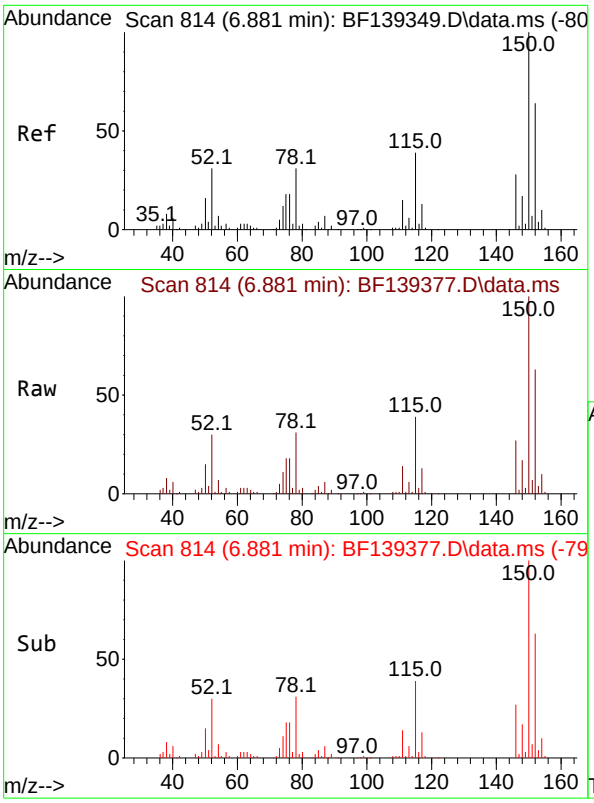
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration



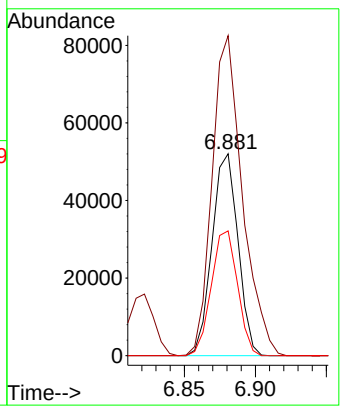


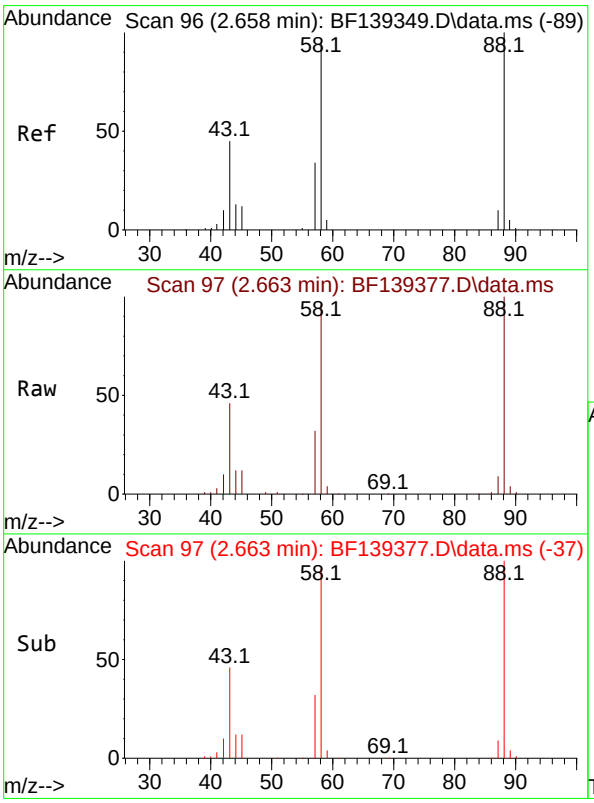

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 66091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.5 | 124.1 | 186.1 |
| 115 | 61.8 | 48.1 | 72.1 |

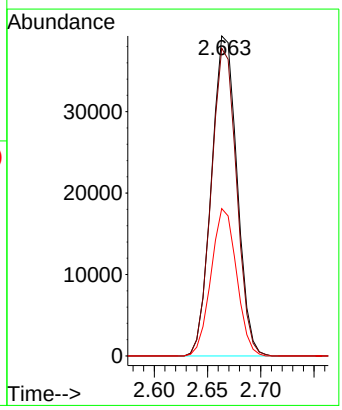


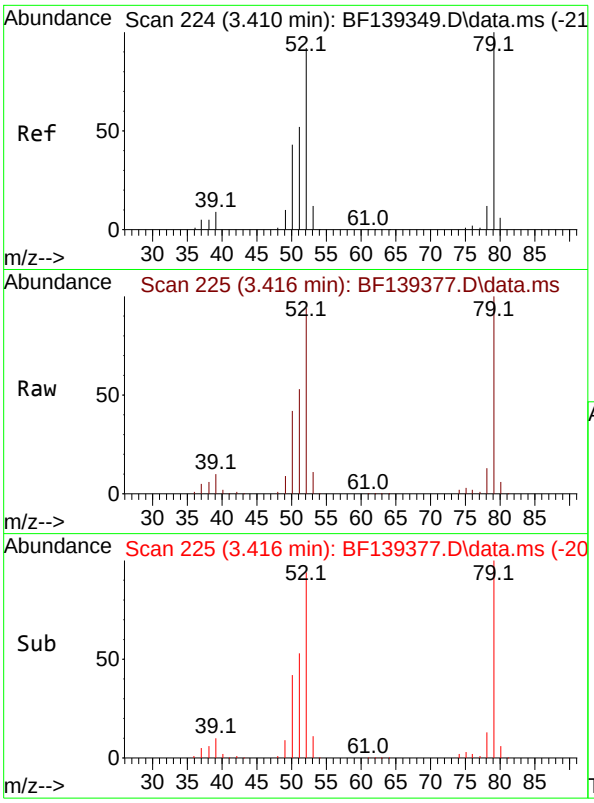




#2
1,4-Dioxane
Concen: 40.309 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 88 Resp: 65518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 95.2 | 74.8 | 112.2 |
| 43 | 45.9 | 36.4 | 54.6 |



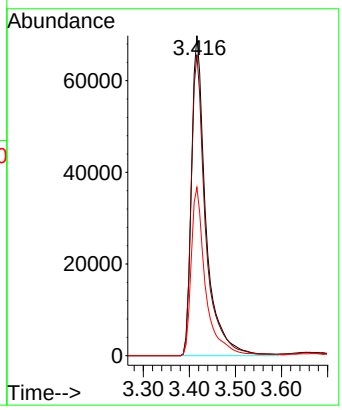


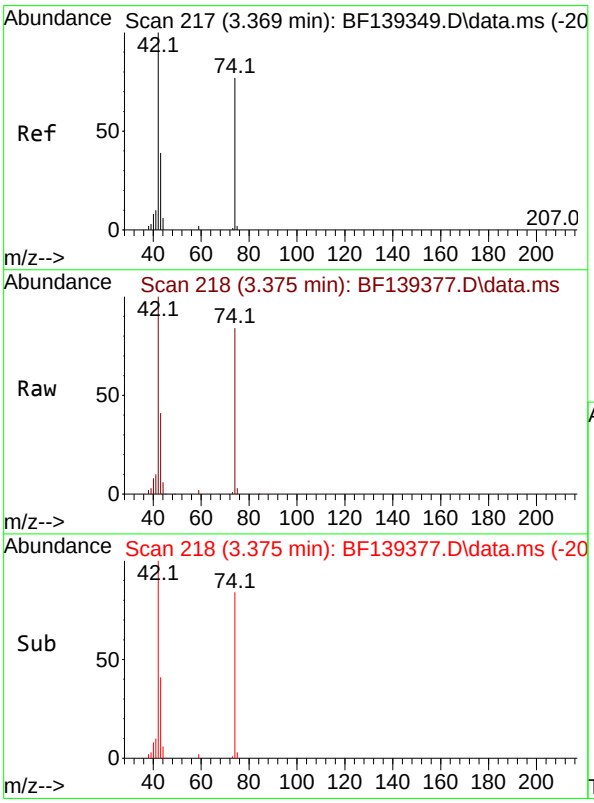

#3
Pyridine
Concen: 42.424 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 152031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 94.1 | 73.8 | 110.8 |
| 51 | 52.6 | 41.8 | 62.6 |

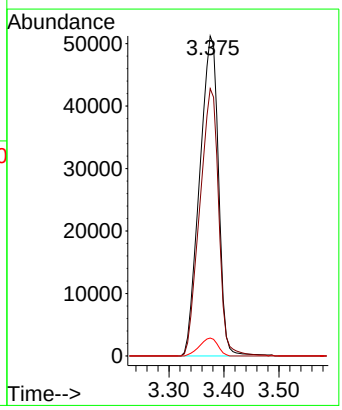


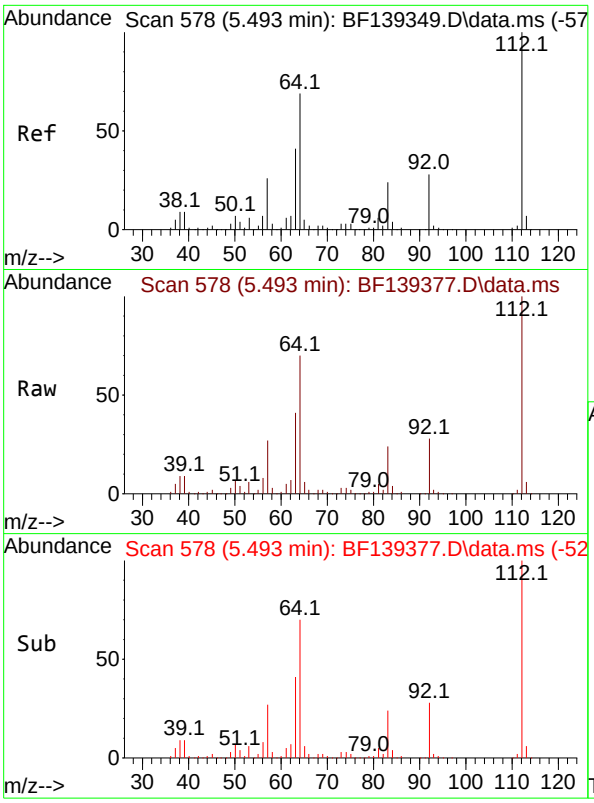




#4
n-Nitrosodimethylamine
Concen: 39.320 ng
RT: 3.375 min Scan# 218
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 42 Resp: 122133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 83.5 | 61.8 | 92.8 |
| 44 | 5.6 | 4.8 | 7.2 |



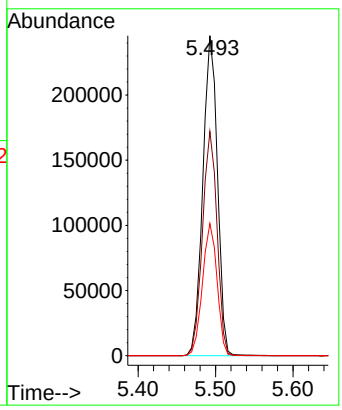


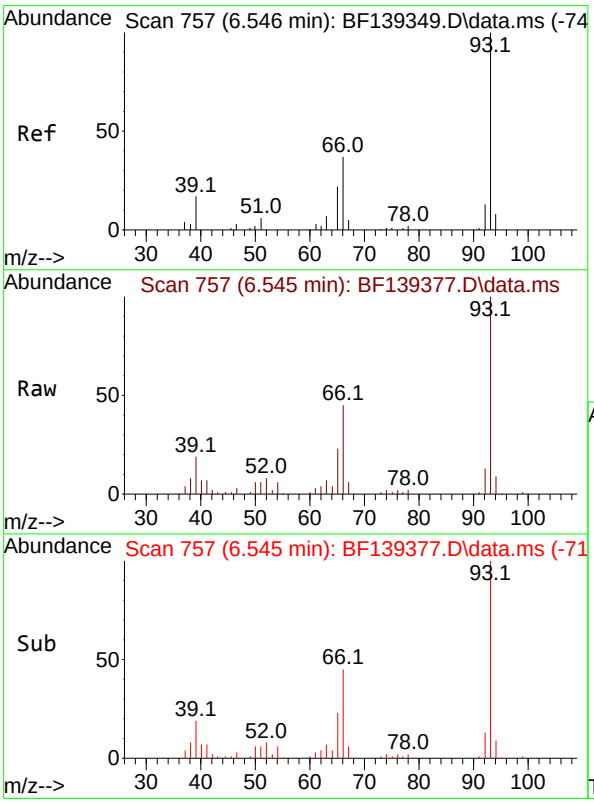

#5
2-Fluorophenol
Concen: 79.476 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 321981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.1 | 54.8 | 82.2 |
| 63 | 41.3 | 33.0 | 49.4 |

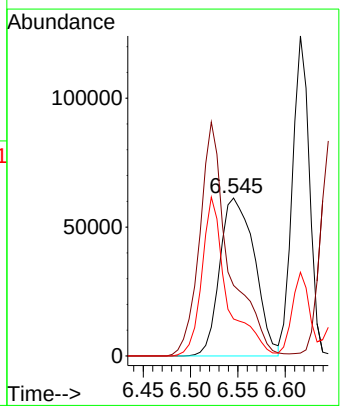


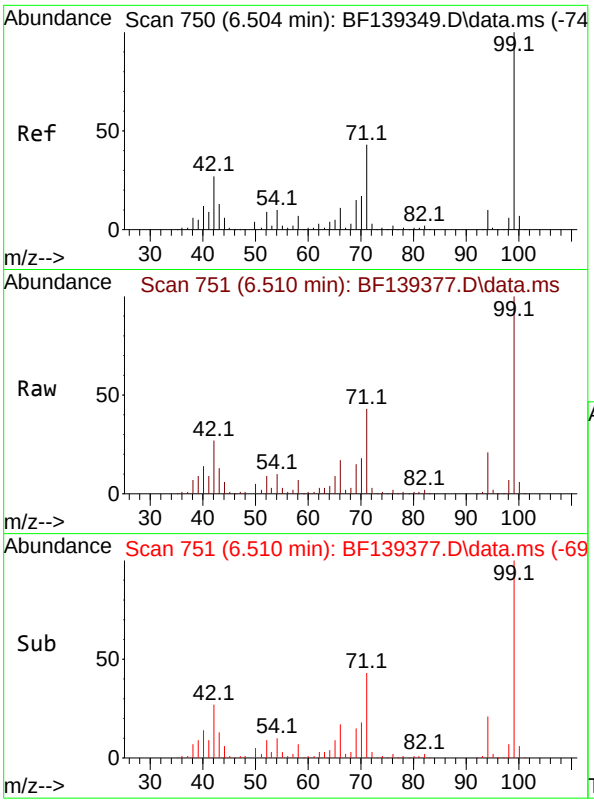




#6
Aniline
Concen: 39.081 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.024 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 93 Resp: 156831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 44.6 | 35.4 | 53.0 |
| 65 | 23.4 | 18.2 | 27.4 |



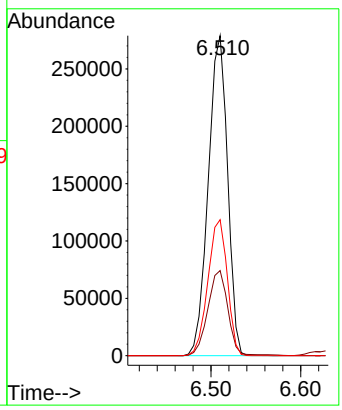


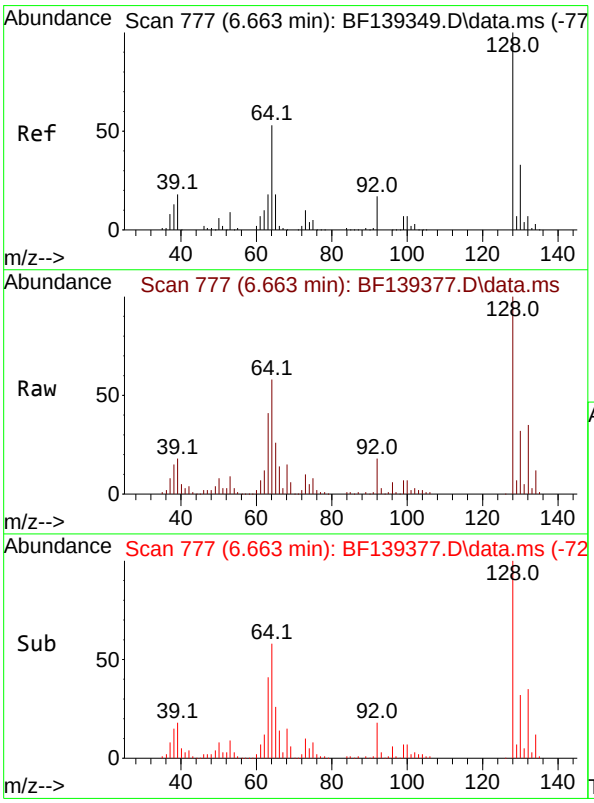

#7
Phenol-d6
Concen: 78.245 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 416075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.6 | 21.9 | 32.9 |
| 71 | 42.5 | 34.6 | 52.0 |

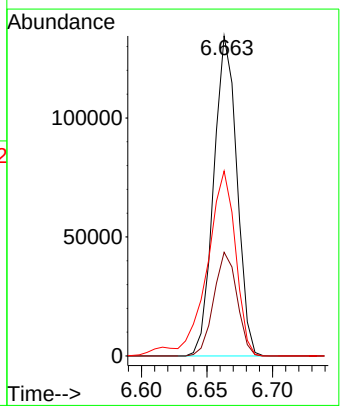


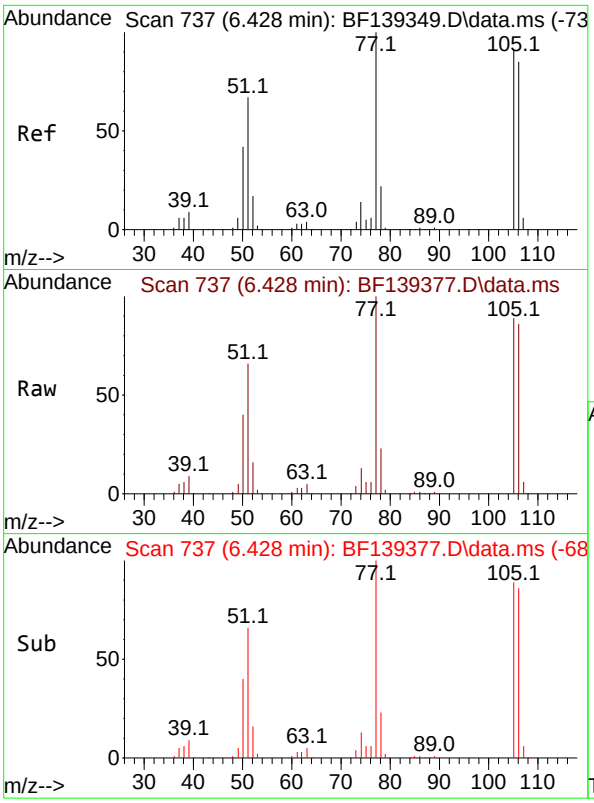




#8
2-Chlorophenol
Concen: 39.525 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:128 Resp: 164831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.8 | 52.8 |
| 64 | 57.8 | 35.1 | 75.1 |



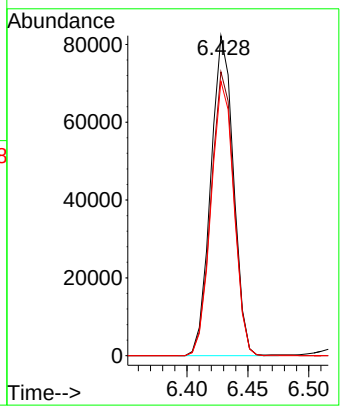


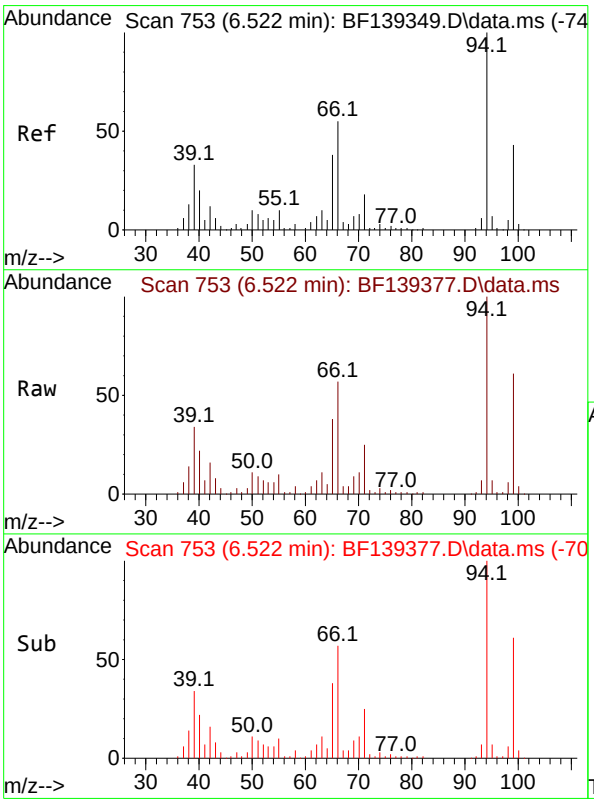

#9
Benzaldehyde
Concen: 34.698 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 106604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 88.7 | 71.0 | 111.0 |
| 106 | 85.7 | 64.9 | 104.9 |

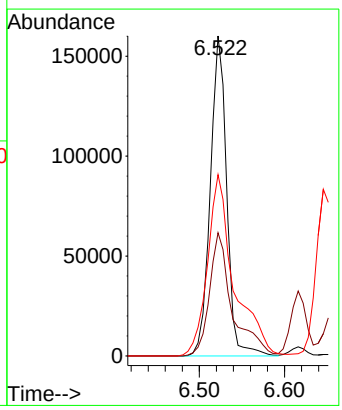


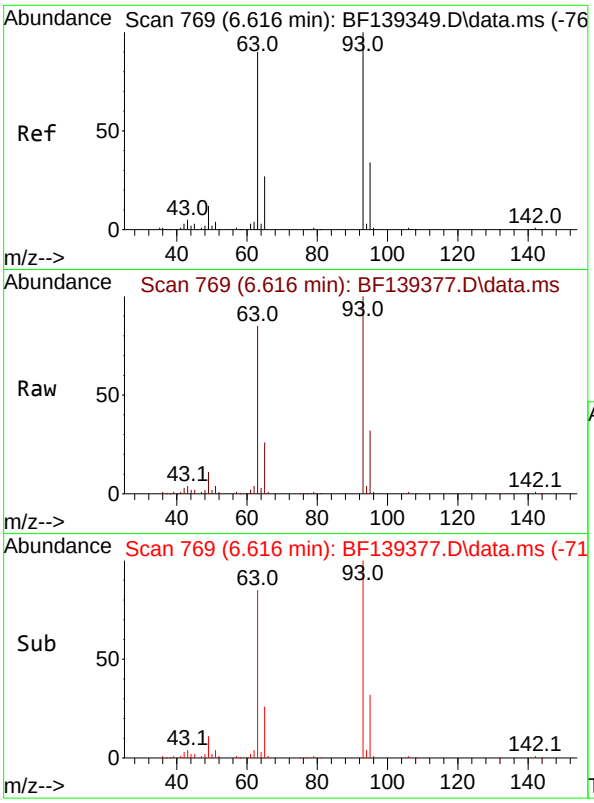




#10
Phenol
Concen: 39.765 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 94 Resp: 215363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.5 | 17.6 | 57.6 |
| 66 | 56.7 | 35.2 | 75.2 |



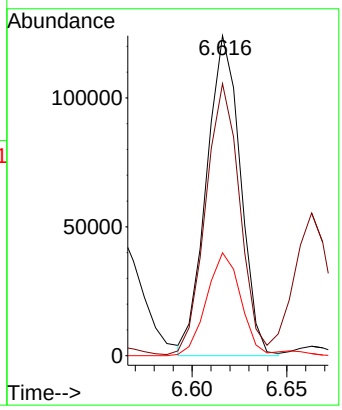


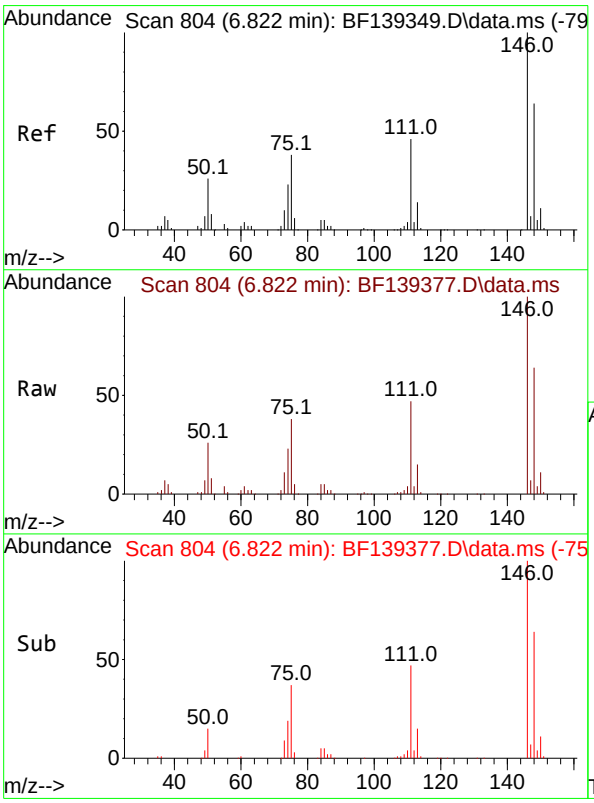

#11
bis(2-Chloroethyl)ether
Concen: 37.579 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 154691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 85.0 | 65.3 | 105.3 |
| 95 | 32.2 | 12.4 | 52.4 |

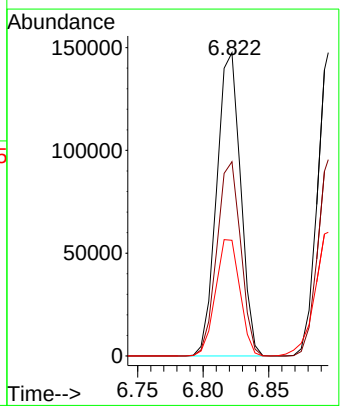


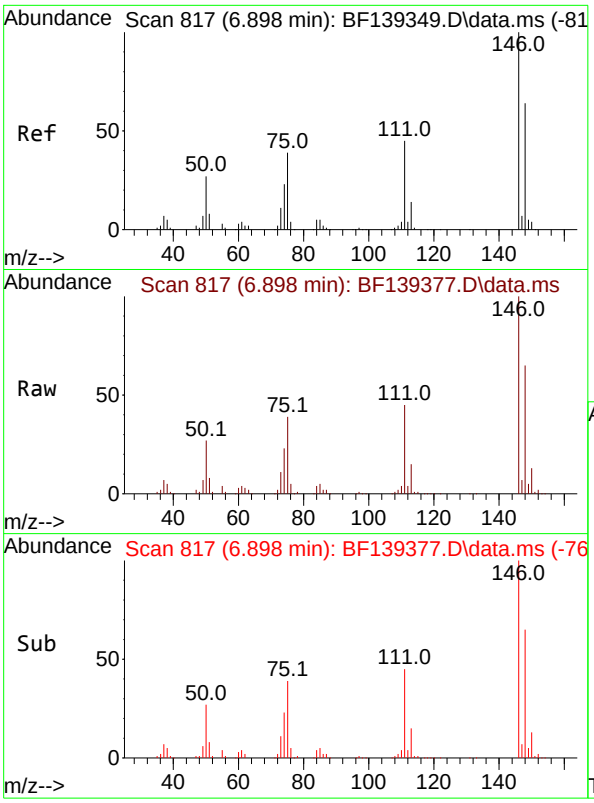




#12
1,3-Dichlorobenzene
Concen: 39.401 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:146 Resp: 186869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.2 | 76.8 |
| 75 | 38.2 | 30.6 | 46.0 |



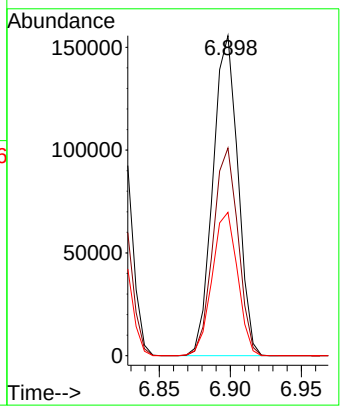


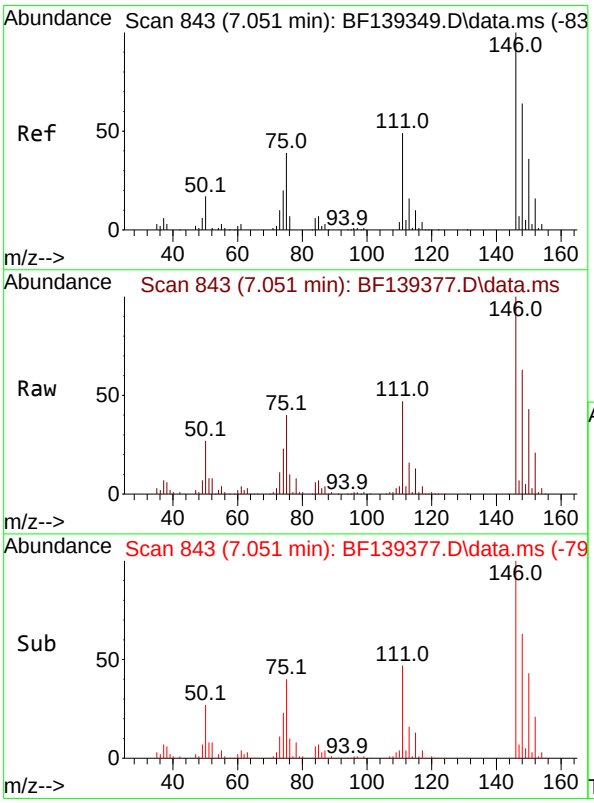

#13
1,4-Dichlorobenzene
Concen: 39.787 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 190689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 50.9 | 76.3 |
| 111 | 44.8 | 36.3 | 54.5 |

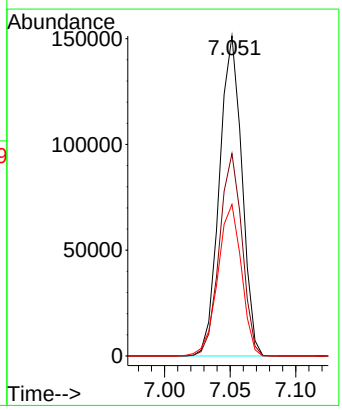


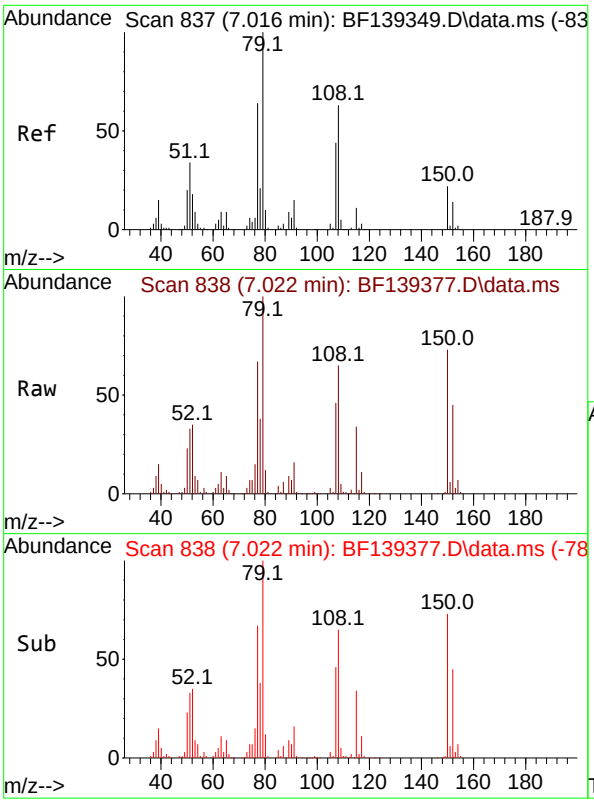




#14
1,2-Dichlorobenzene
Concen: 39.769 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:146 Resp: 180104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.9 | 76.3 |
| 111 | 47.4 | 38.9 | 58.3 |



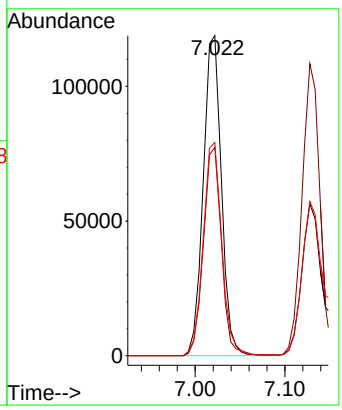


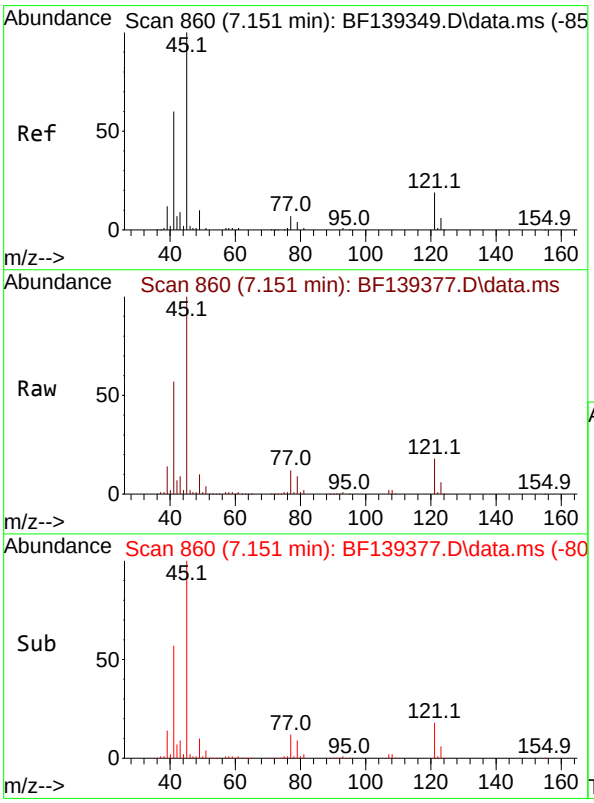

#15
Benzyl Alcohol
Concen: 39.435 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 167305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 65.1 | 50.4 | 75.6 |
| 77 | 66.6 | 51.4 | 77.2 |

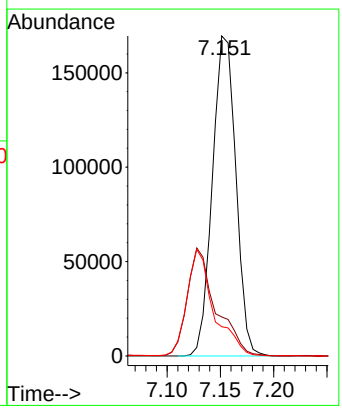


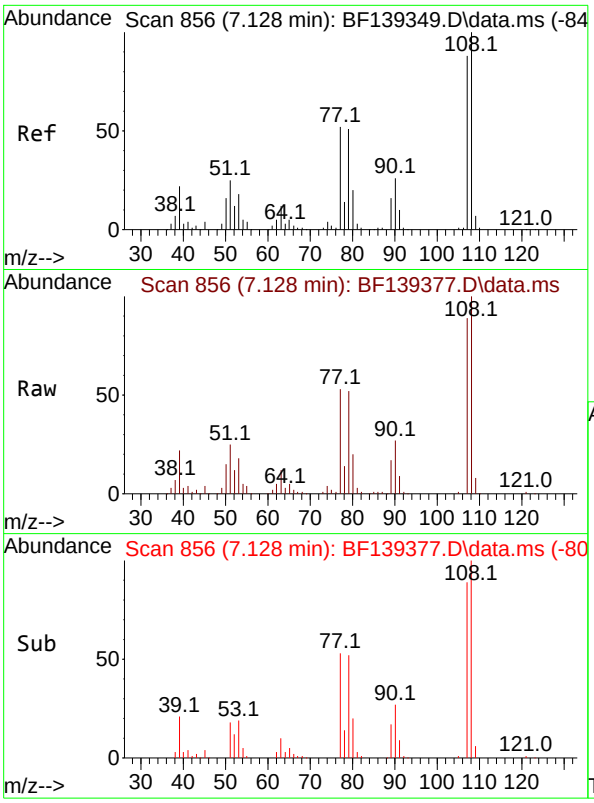




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.896 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 45 Resp: 259443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 12.2 | 0.0 | 32.0 |
| 79 | 9.1 | 0.0 | 29.1 |



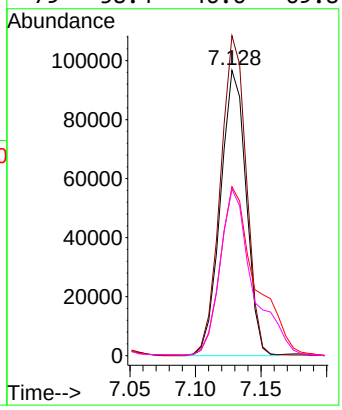


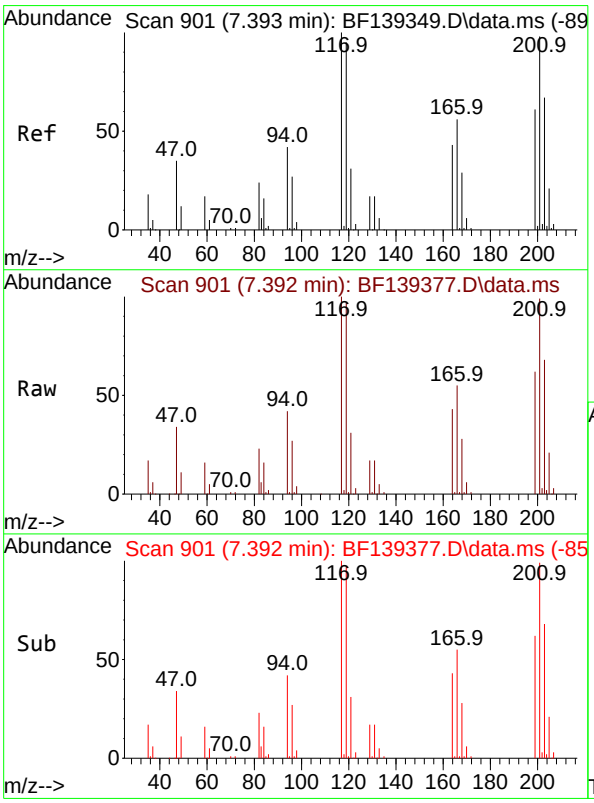

#17
2-Methylphenol
Concen: 39.729 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 131636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.1 | 90.5 | 135.7 |
| 77 | 59.2 | 47.1 | 70.7 |
| 79 | 58.4 | 46.6 | 69.8 |

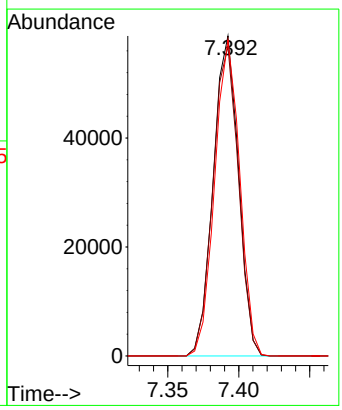


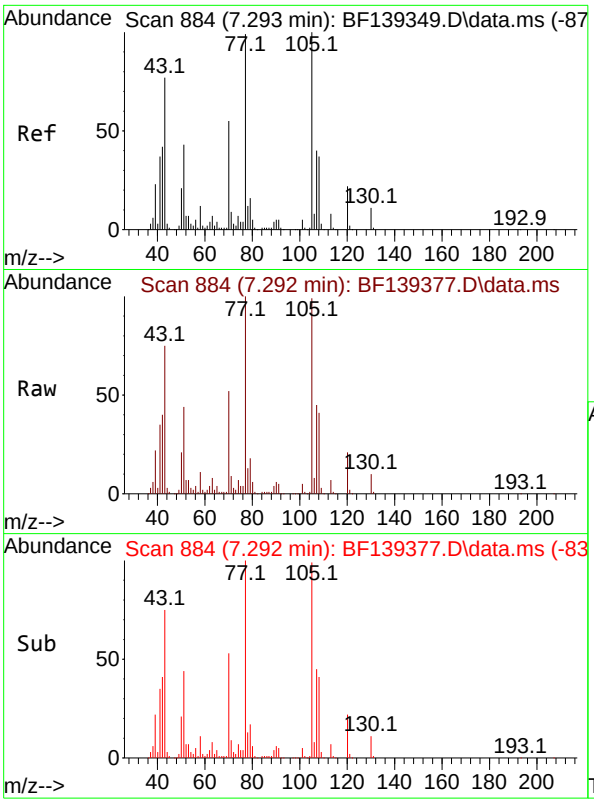




#18
Hexachloroethane
Concen: 39.803 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:117 Resp: 72661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 75.8 | 113.8 |
| 201 | 98.8 | 78.6 | 118.0 |



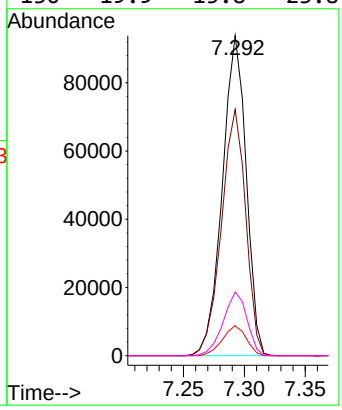


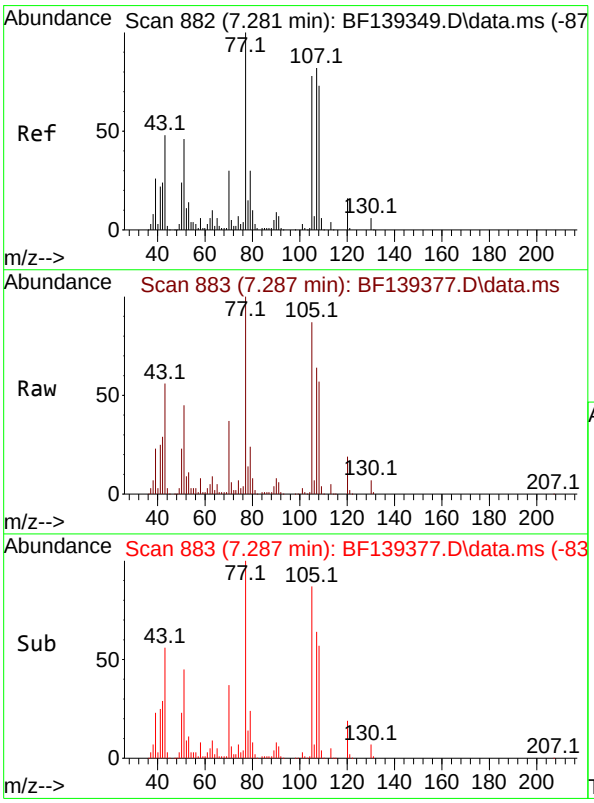

#19
n-Nitroso-di-n-propylamine
Concen: 40.524 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 127698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 77.0 | 61.2 | 91.8 |
| 101 | 9.3 | 7.5 | 11.3 |
| 130 | 19.9 | 15.8 | 23.8 |

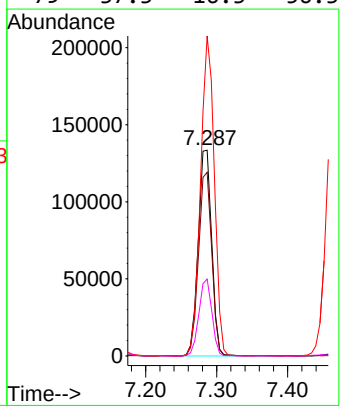


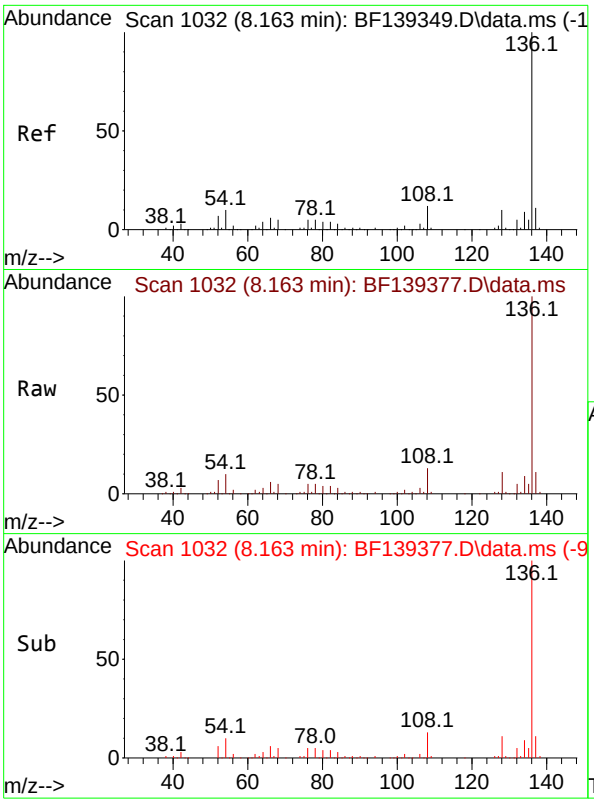




#20
3+4-Methylphenols
Concen: 39.204 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:107 Resp: 177222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 68.6 | 108.6 |
| 77 | 155.5 | 101.6 | 141.6# |
| 79 | 37.3 | 16.3 | 56.3 |



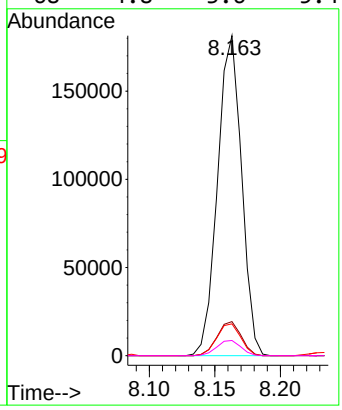


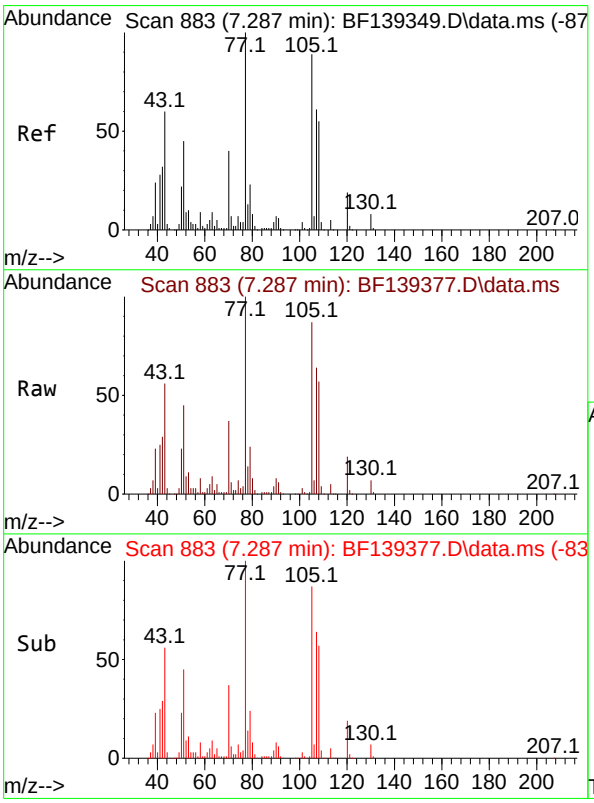

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 230944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 12.8 |
| 54 | 9.9 | 7.8 | 11.8 |
| 68 | 4.8 | 3.6 | 5.4 |

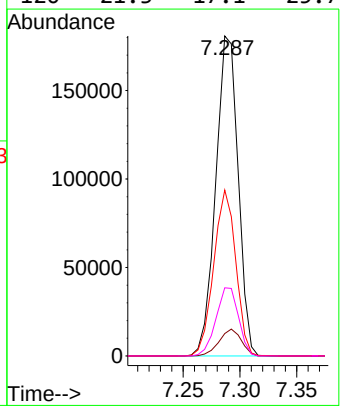


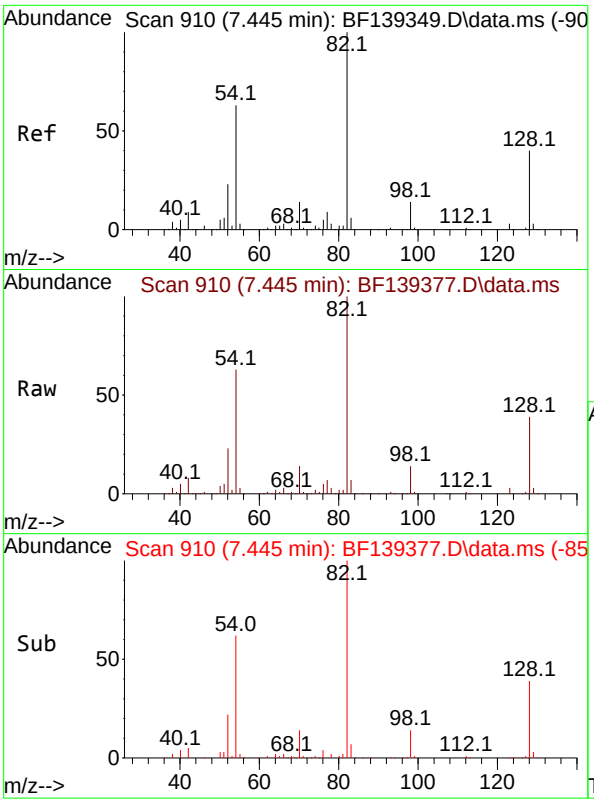




#22
Acetophenone
Concen: 41.115 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:105 Resp: 248234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 5.9 | 8.9 |
| 51 | 51.9 | 40.0 | 60.0 |
| 120 | 21.3 | 17.1 | 25.7 |



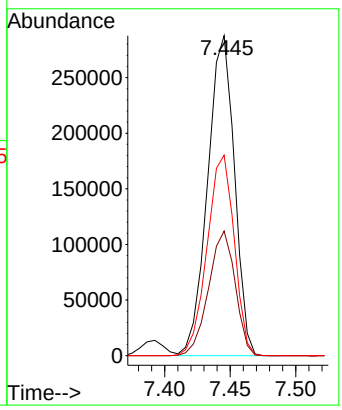


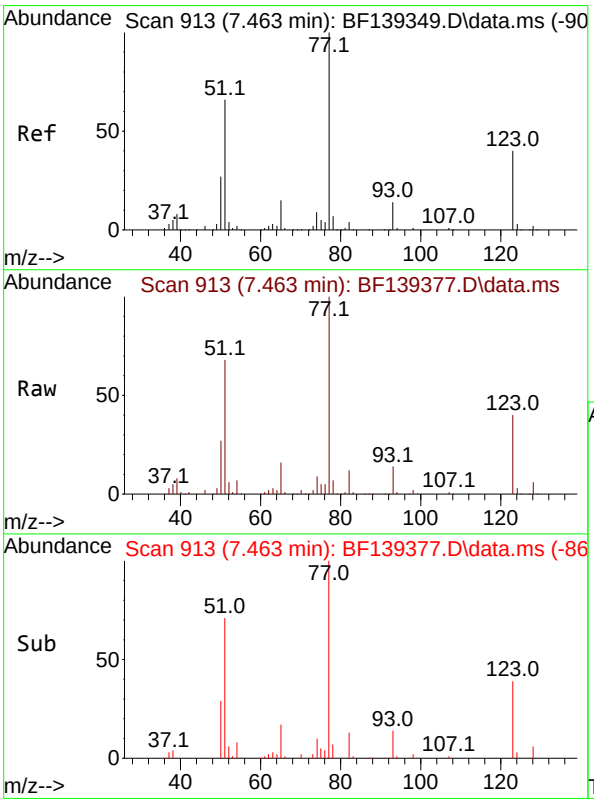

#23
Nitrobenzene-d5
Concen: 83.307 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 409247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.9 | 31.8 | 47.6 |
| 54 | 62.6 | 50.6 | 75.8 |

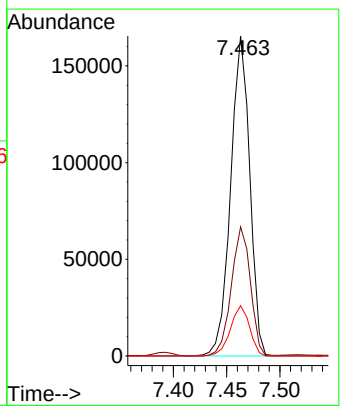


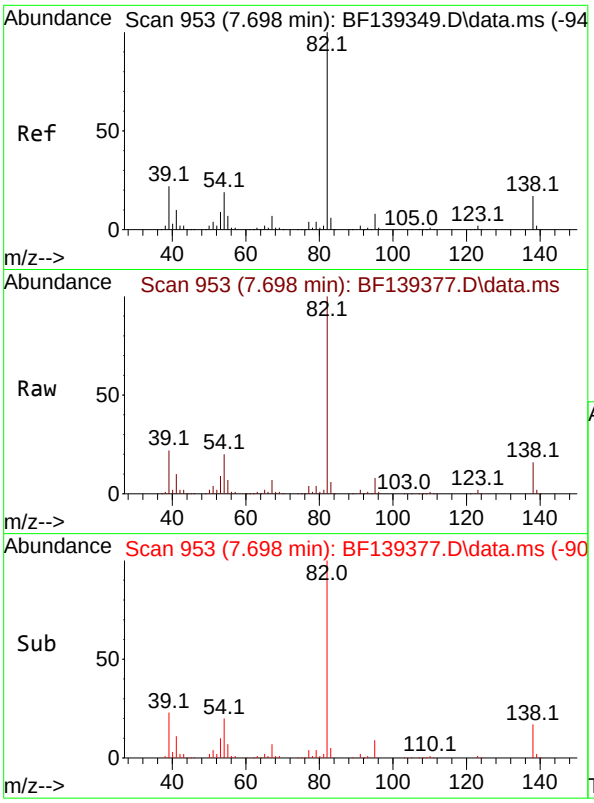




#24
Nitrobenzene
Concen: 40.917 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 77 Resp: 206879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 40.4 | 32.2 | 48.4 |
| 65 | 15.7 | 12.2 | 18.4 |



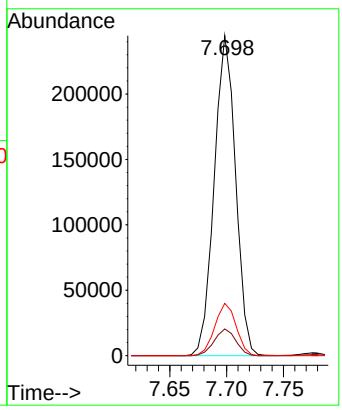


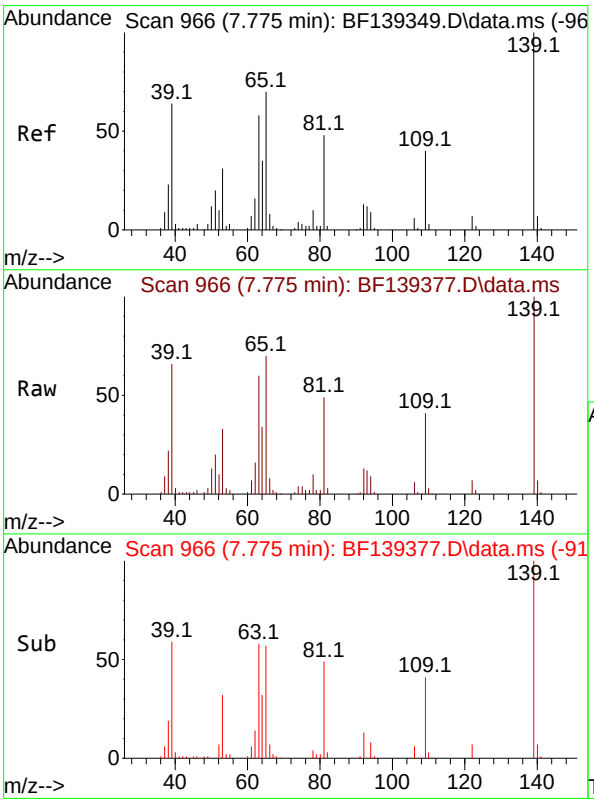

#25
Isophorone
Concen: 41.226 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 320290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.7 | 10.1 |
| 138 | 16.3 | 13.3 | 19.9 |

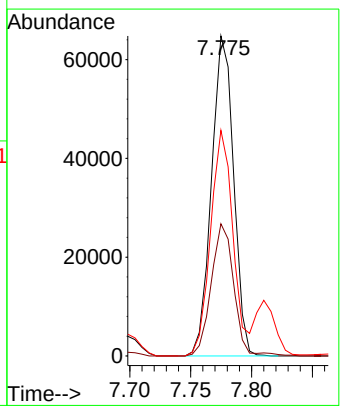


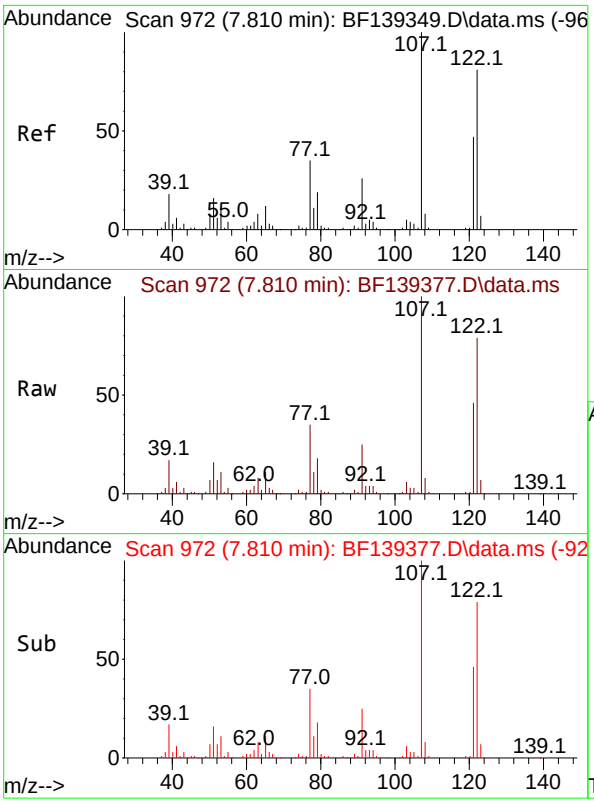




#26
2-Nitrophenol
Concen: 41.490 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:139 Resp: 81728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 41.3 | 32.2 | 48.2 |
| 65 | 70.5 | 55.8 | 83.8 |



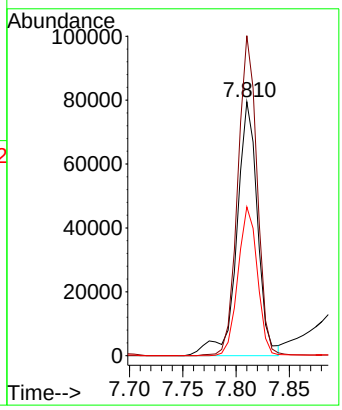


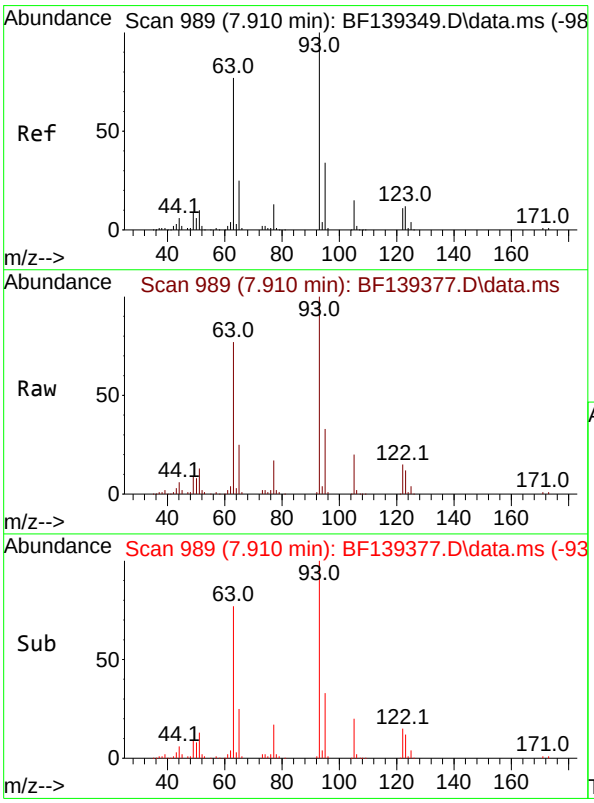

#27
2,4-Dimethylphenol
Concen: 41.426 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 107638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 126.0 | 99.1 | 148.7 |
| 121 | 58.6 | 46.6 | 70.0 |

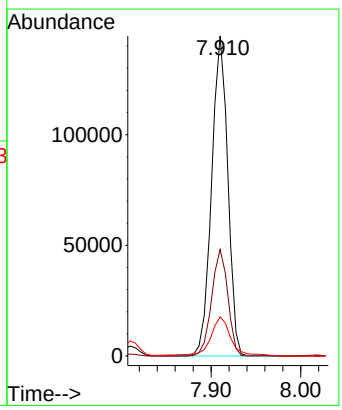


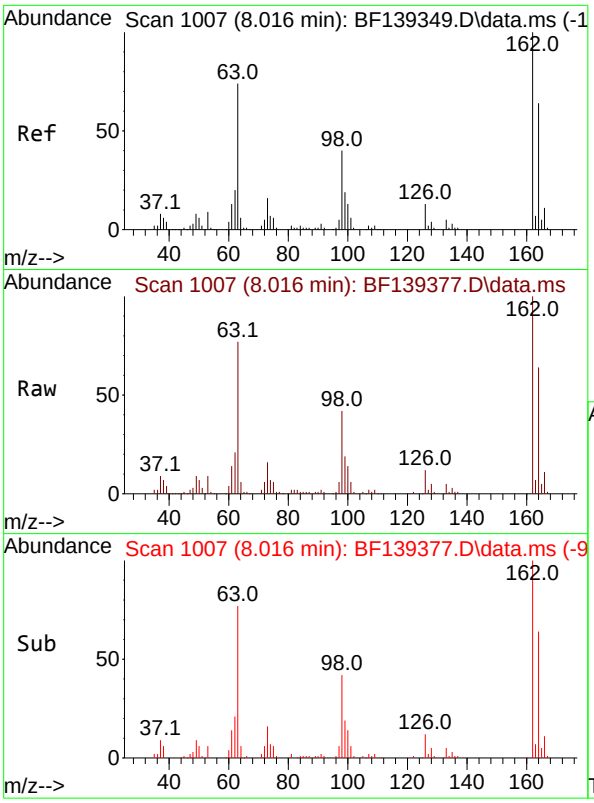




#28
bis(2-Chloroethoxy)methane
Concen: 40.886 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 93 Resp: 181037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 26.9 | 40.3 |
| 123 | 12.2 | 10.0 | 15.0 |



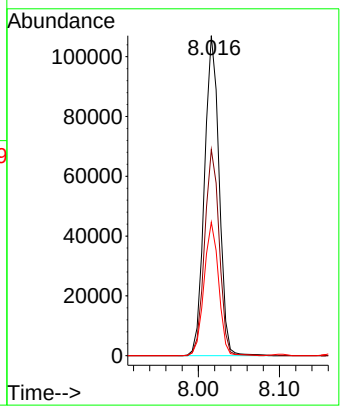


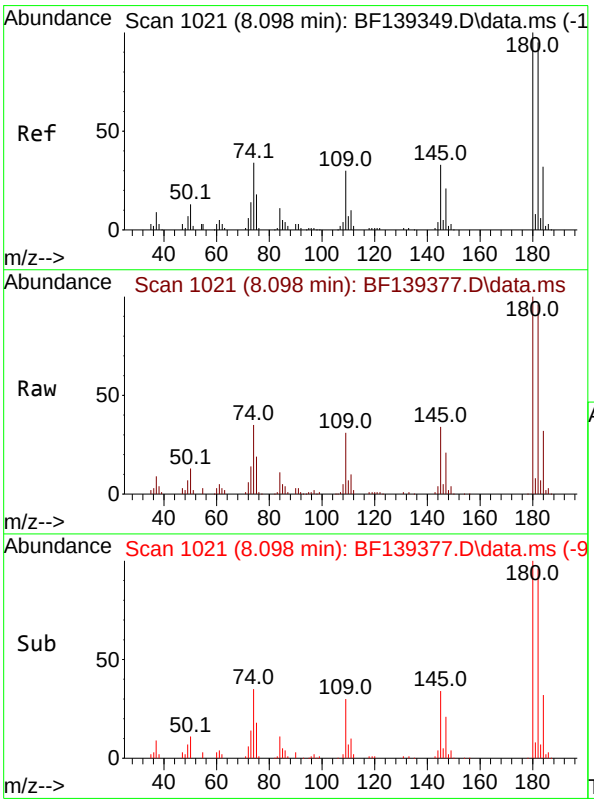

#29
2,4-Dichlorophenol
Concen: 40.675 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 134262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.6 | 83.6 |
| 98 | 41.7 | 19.7 | 59.7 |

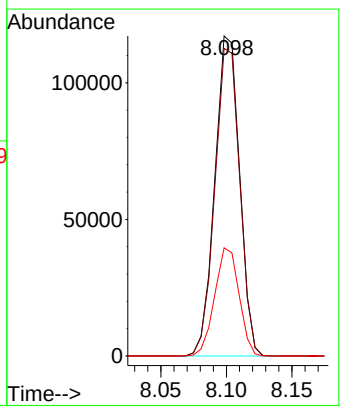


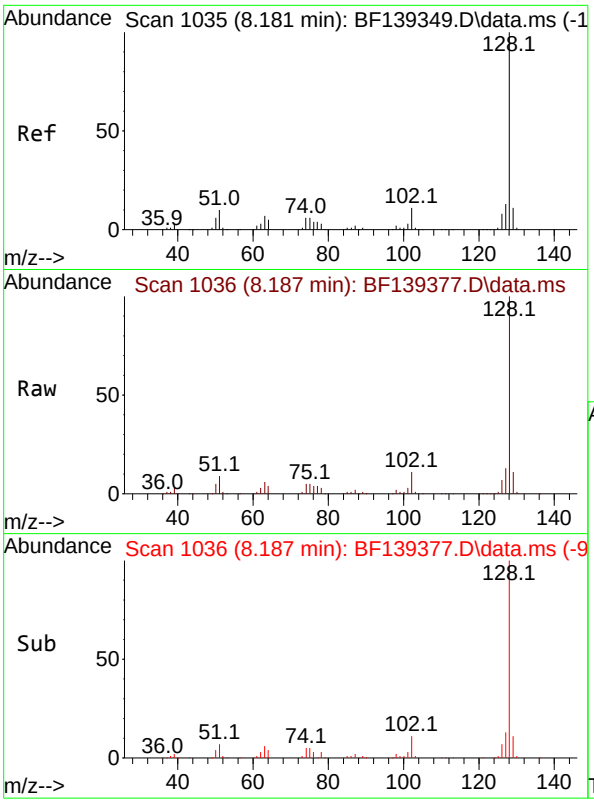




#30
1,2,4-Trichlorobenzene
Concen: 40.040 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:180 Resp: 153999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.7 | 113.5 |
| 145 | 33.8 | 26.5 | 39.7 |



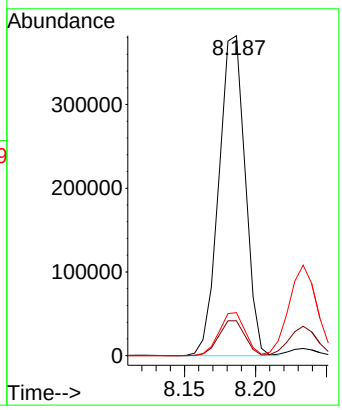


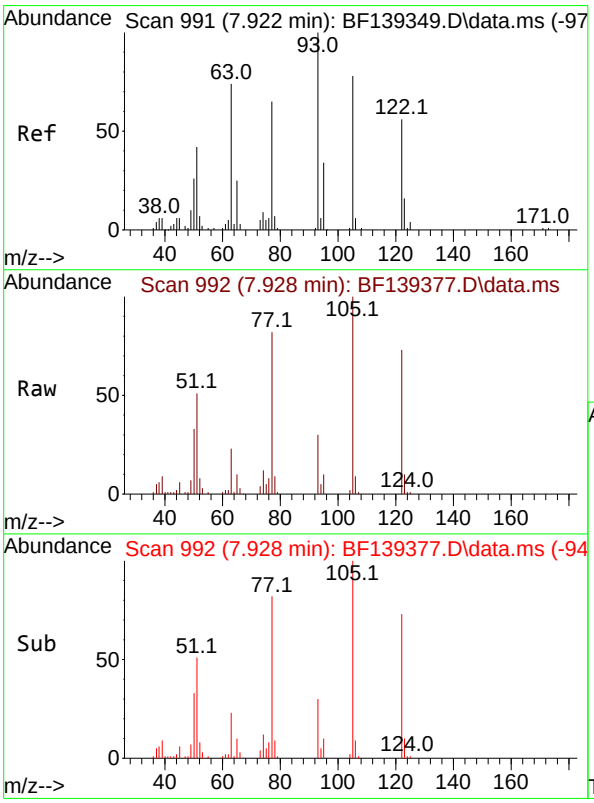

#31
Naphthalene
Concen: 40.811 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 492048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 13.0 |
| 127 | 13.4 | 10.6 | 16.0 |

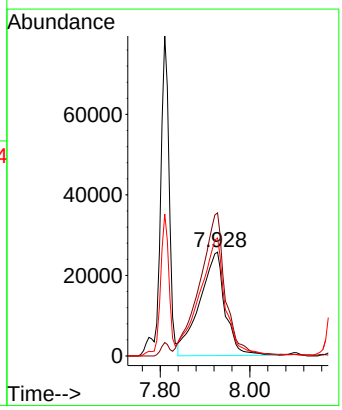


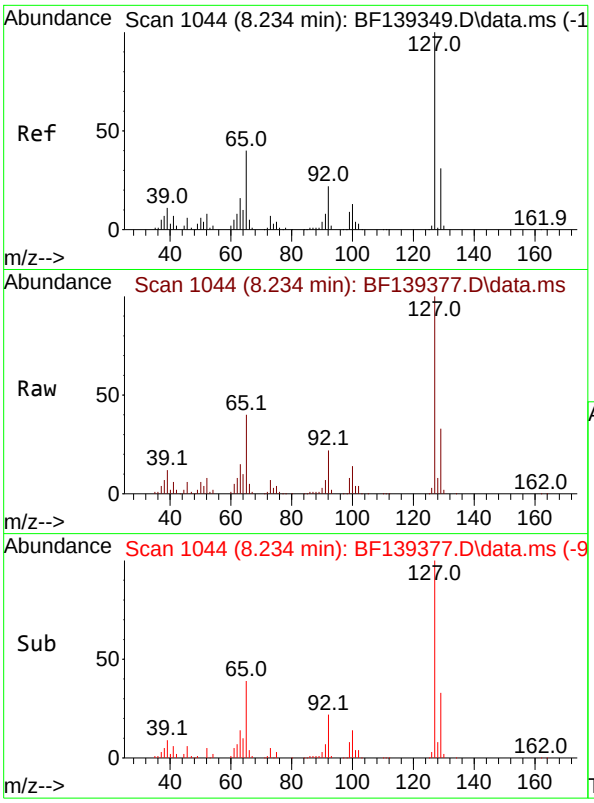




#32
Benzoic acid
Concen: 41.552 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:122 Resp: 101039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 137.8 | 117.1 | 157.1 |
| 77 | 113.6 | 95.4 | 135.4 |



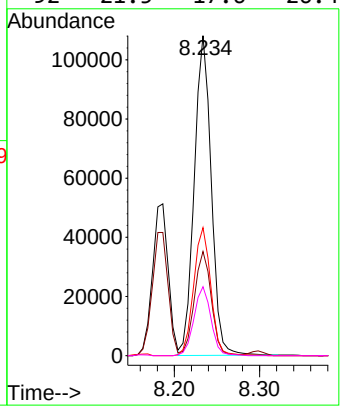


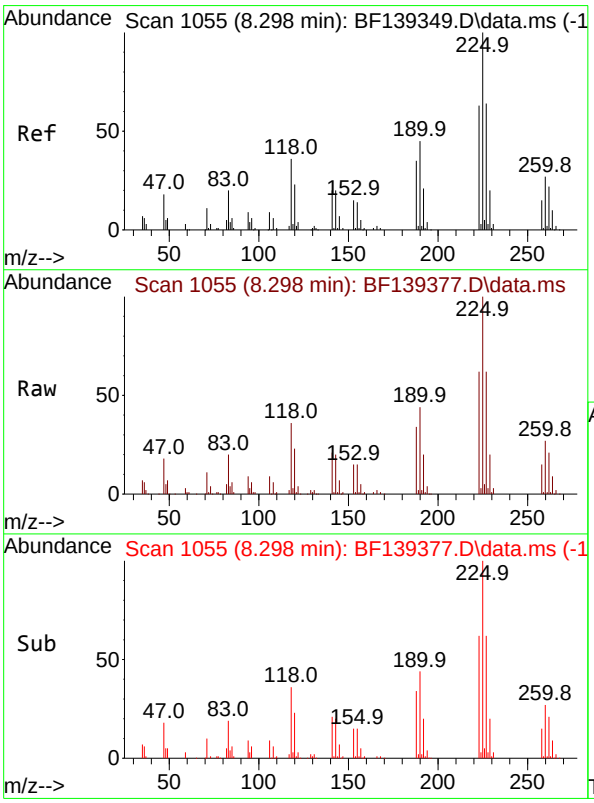

#33
4-Chloroaniline
Concen: 40.580 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 149676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.5 | 38.3 |
| 65 | 40.0 | 31.5 | 47.3 |
| 92 | 21.5 | 17.6 | 26.4 |

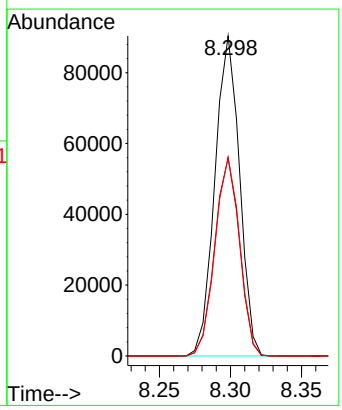


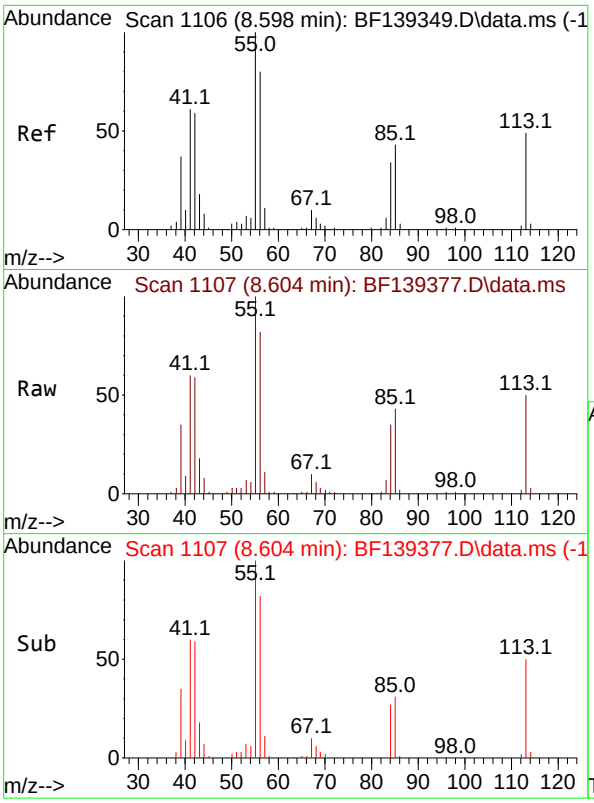




#34
Hexachlorobutadiene
Concen: 41.645 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:225 Resp: 108817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 50.1 | 75.1 |
| 227 | 62.1 | 51.0 | 76.6 |



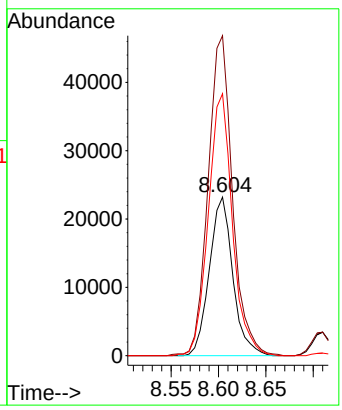


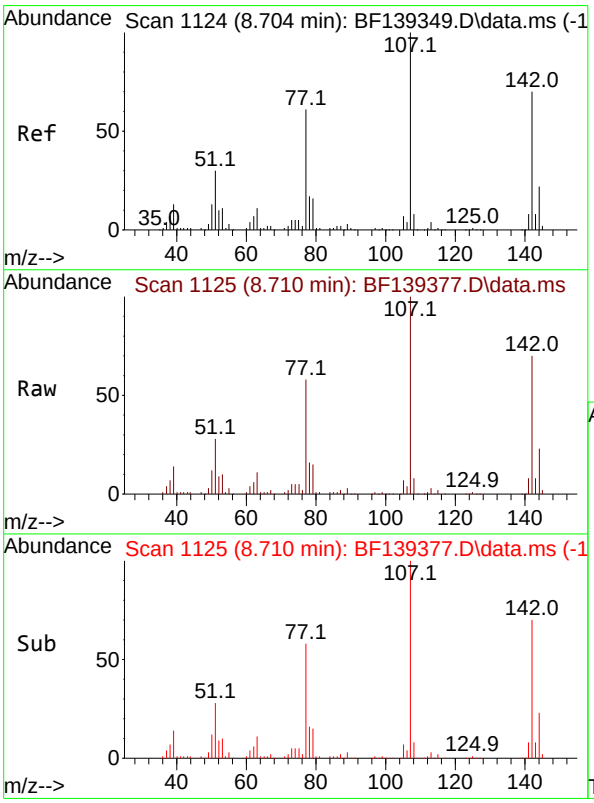

#35
Caprolactam
Concen: 39.424 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 40031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 201.8 | 186.1 | 226.1 |
| 56 | 165.2 | 144.9 | 184.9 |

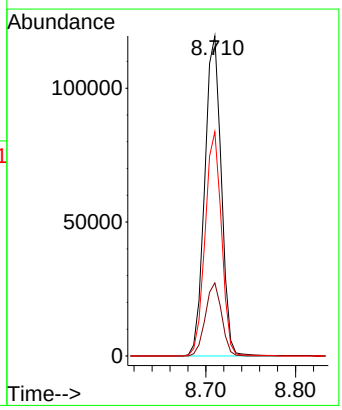


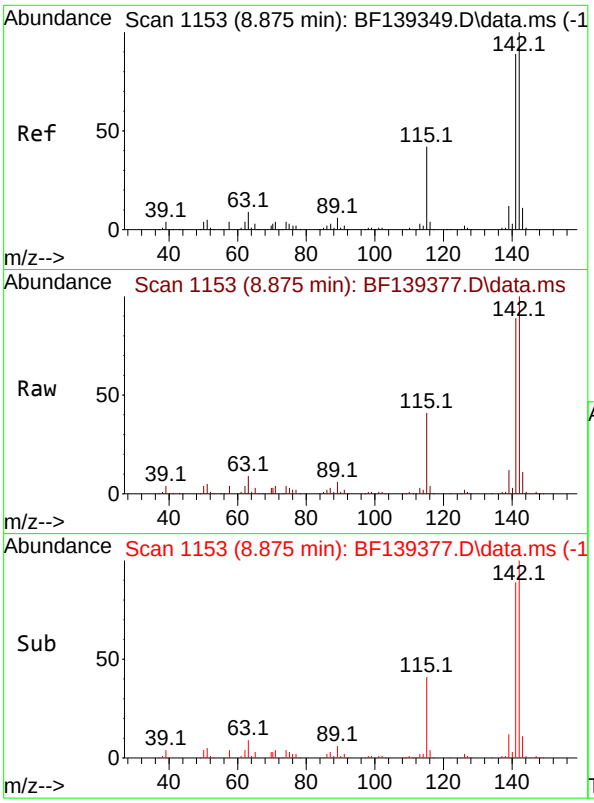




#36
4-Chloro-3-methylphenol
Concen: 40.528 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:107 Resp: 152889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.8 | 17.5 | 26.3 |
| 142 | 70.1 | 55.8 | 83.8 |



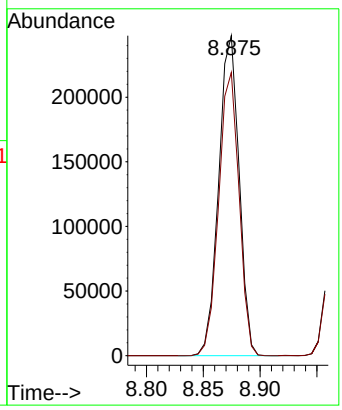


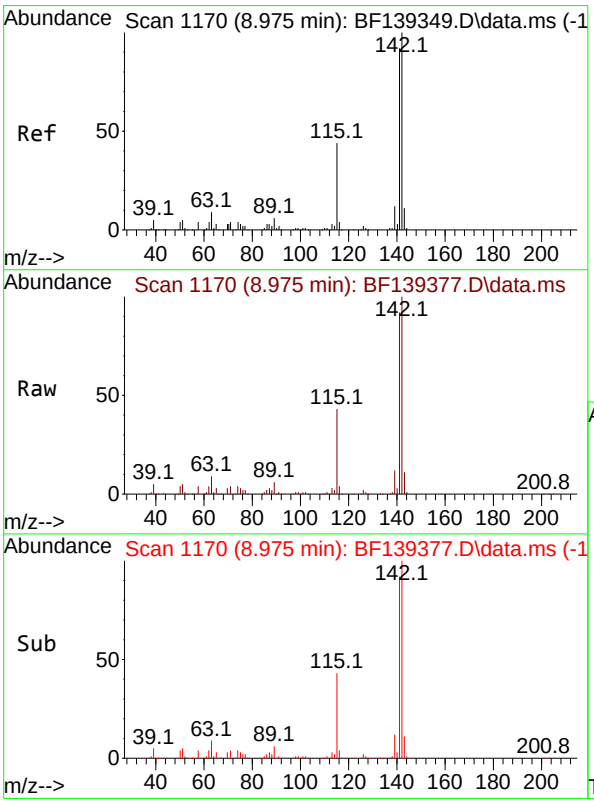

#37
2-Methylnaphthalene
Concen: 40.440 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 309476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.6 | 107.4 |

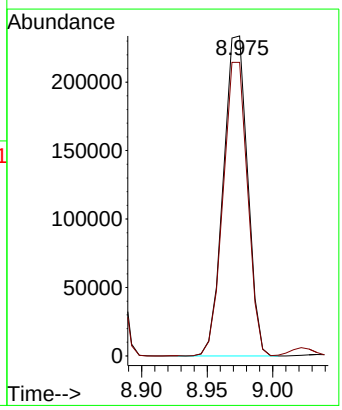


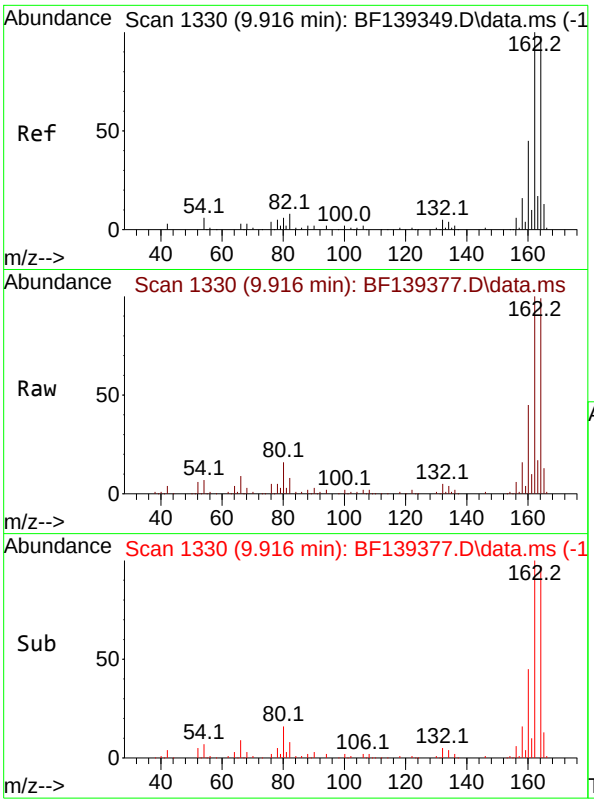




#38
1-Methylnaphthalene
Concen: 40.060 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:142 Resp: 300979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.2 | 109.8 |



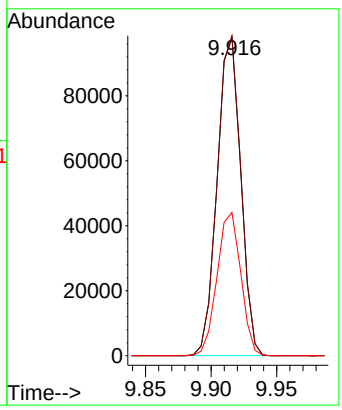


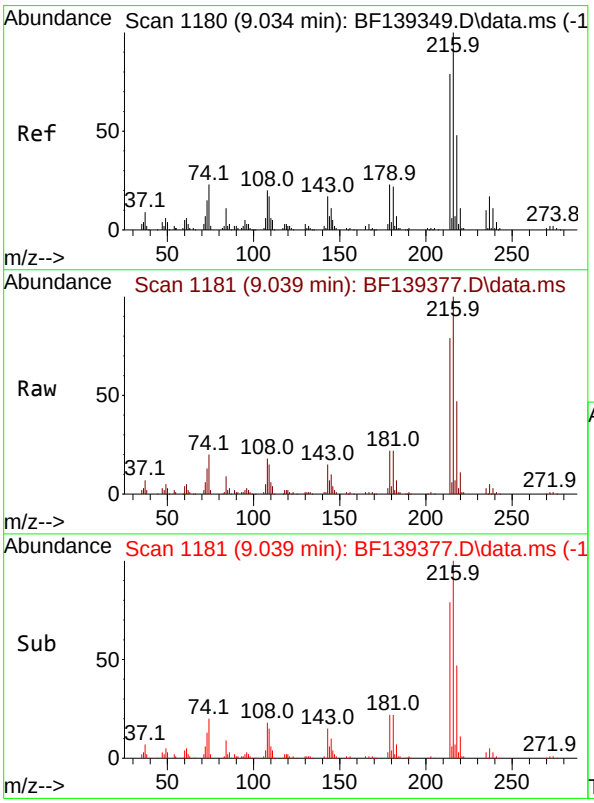

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 122358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 81.3 | 121.9 |
| 160 | 45.1 | 36.4 | 54.6 |

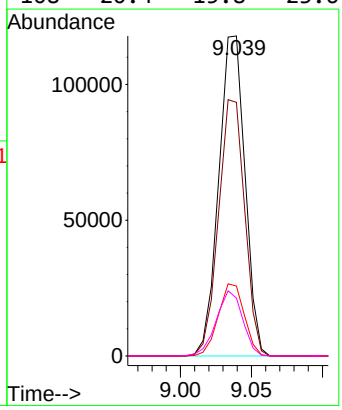


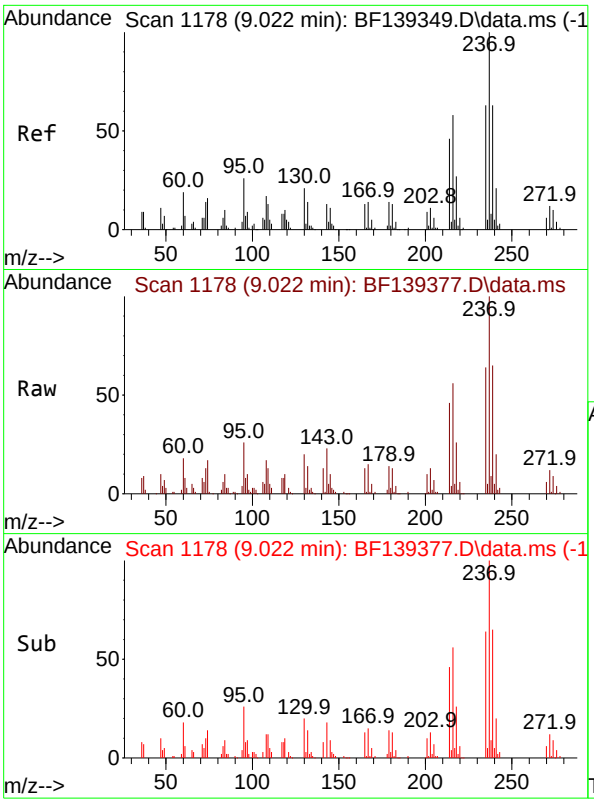




#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.894 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:216 Resp: 151921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.6 | 63.4 | 95.0 |
| 179 | 22.3 | 18.2 | 27.2 |
| 108 | 20.4 | 15.8 | 23.6 |



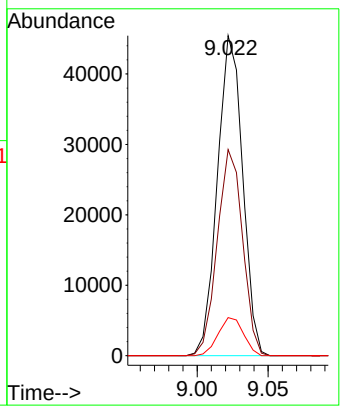


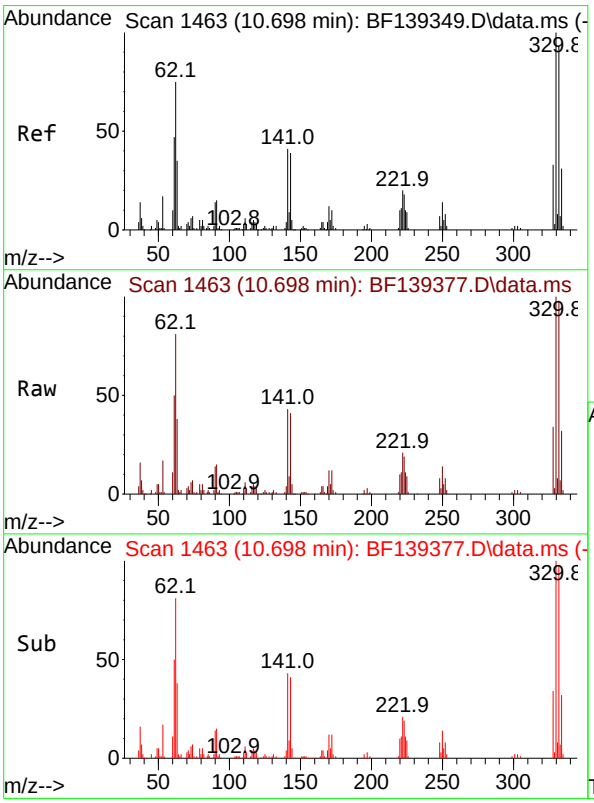

#41
Hexachlorocyclopentadiene
Concen: 44.327 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 56125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.4 | 42.7 | 82.7 |
| 272 | 11.9 | 0.0 | 32.5 |

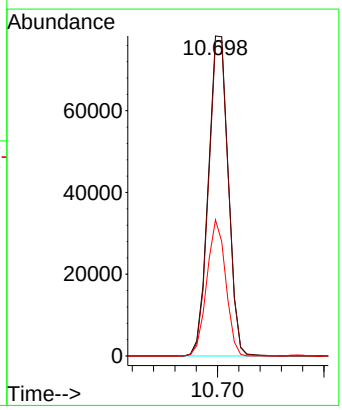


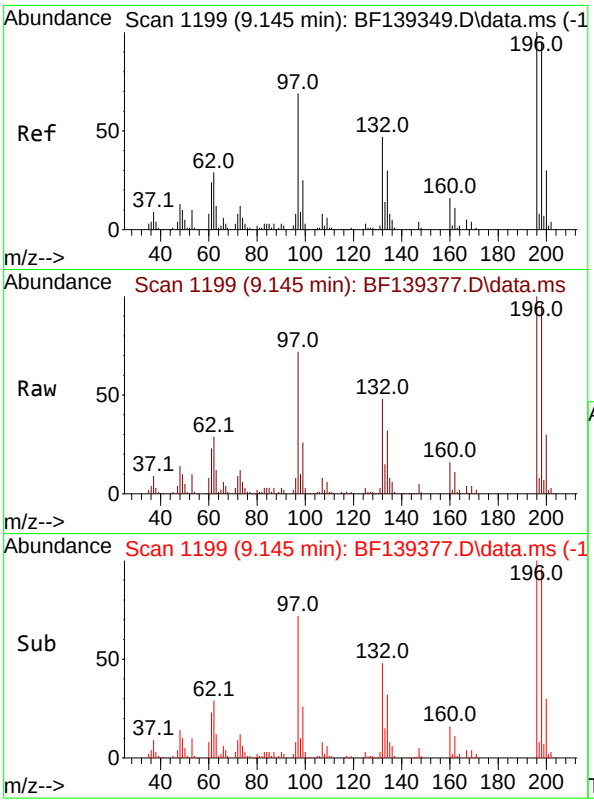




#42
2,4,6-Tribromophenol
Concen: 78.227 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:330 Resp: 101902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 75.2 | 112.8 |
| 141 | 40.1 | 31.2 | 46.8 |



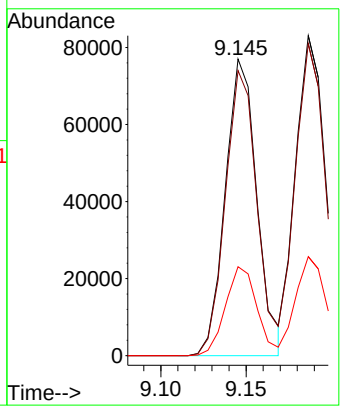


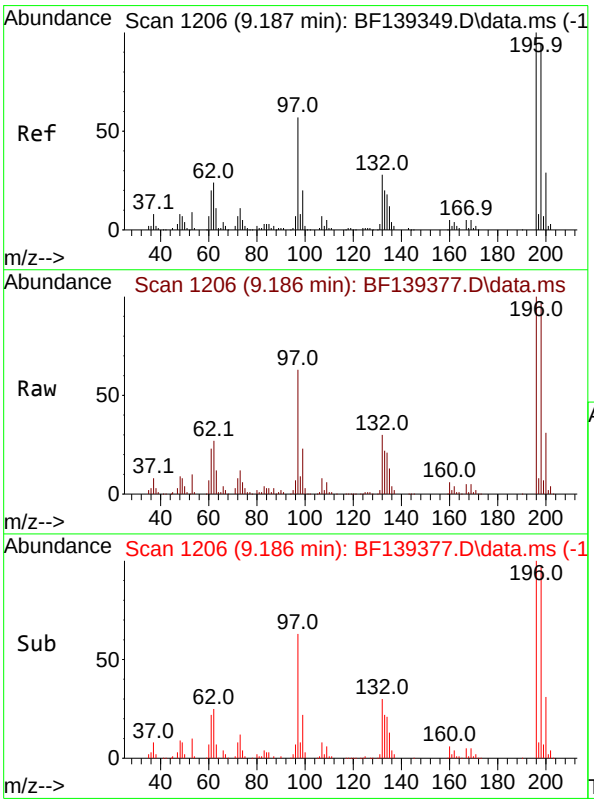

#43
2,4,6-Trichlorophenol
Concen: 42.099 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 99323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 75.8 | 113.6 |
| 200 | 30.0 | 24.1 | 36.1 |

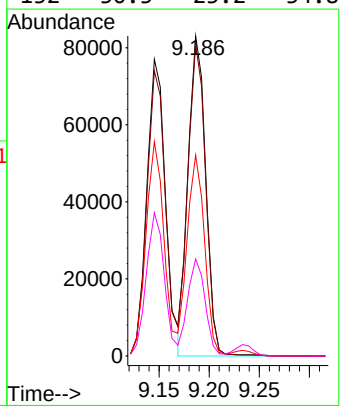


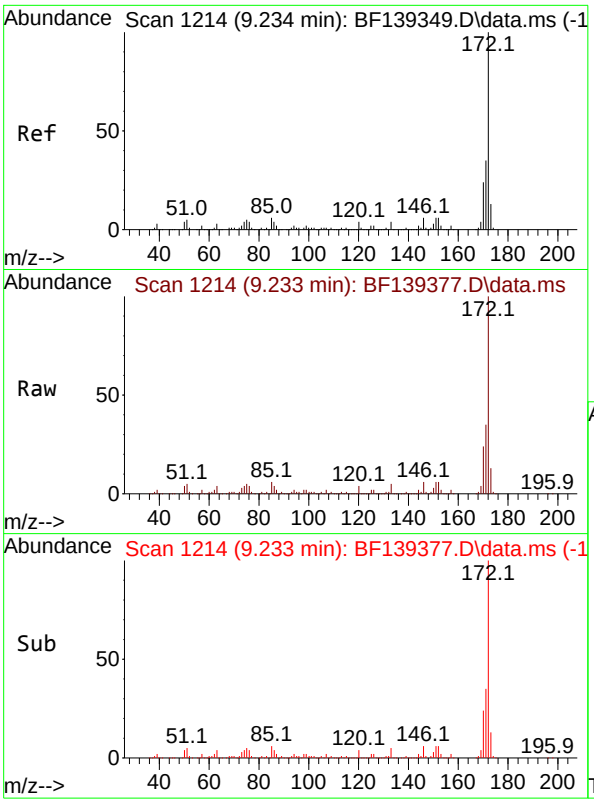




#44
2,4,5-Trichlorophenol
Concen: 41.068 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:196 Resp: 102202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.5 | 74.8 | 112.2 |
| 97 | 62.7 | 47.3 | 70.9 |
| 132 | 30.3 | 23.2 | 34.8 |



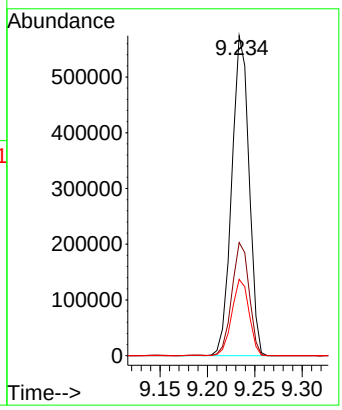


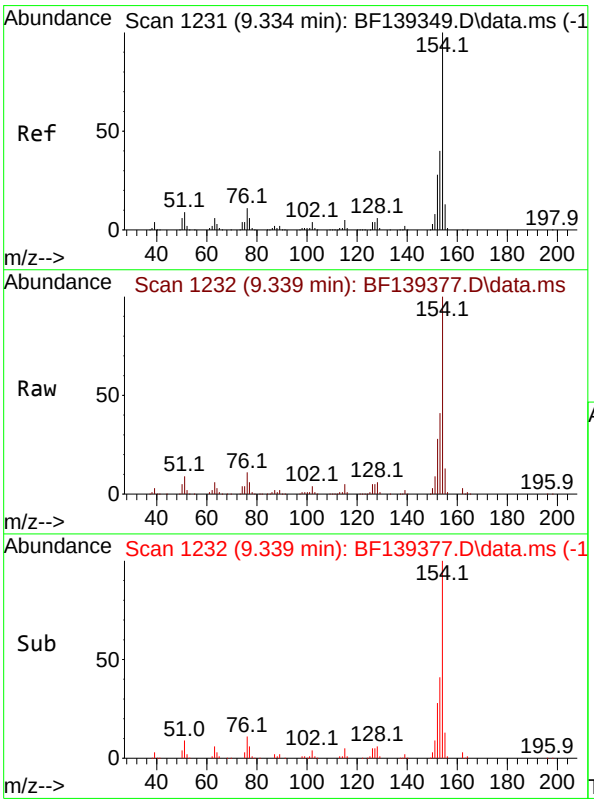

#45
2-Fluorobiphenyl
Concen: 83.451 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 728037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.8 | 19.0 | 28.6 |

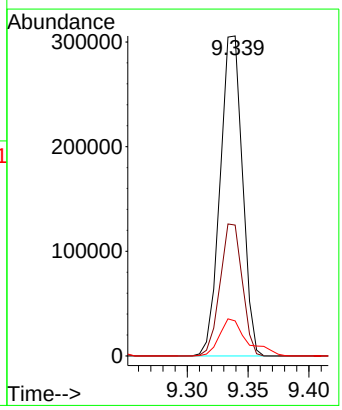


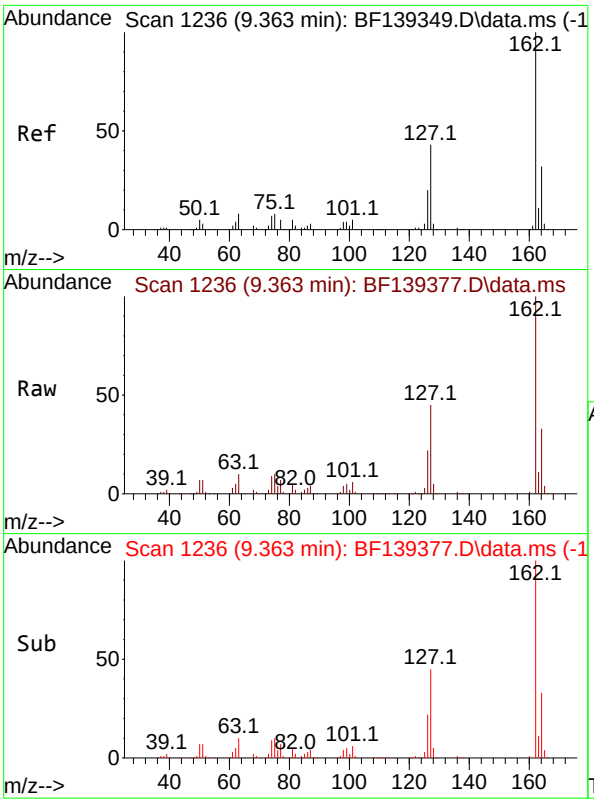




#46
1,1'-Biphenyl
Concen: 41.446 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:154 Resp: 390146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 20.1 | 60.1 |
| 76 | 11.0 | 0.0 | 31.1 |



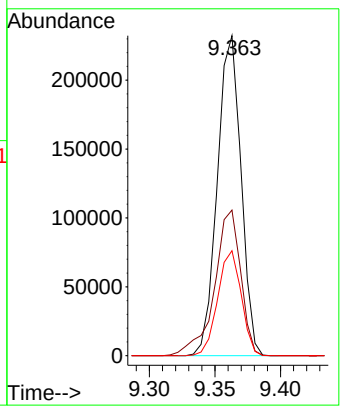


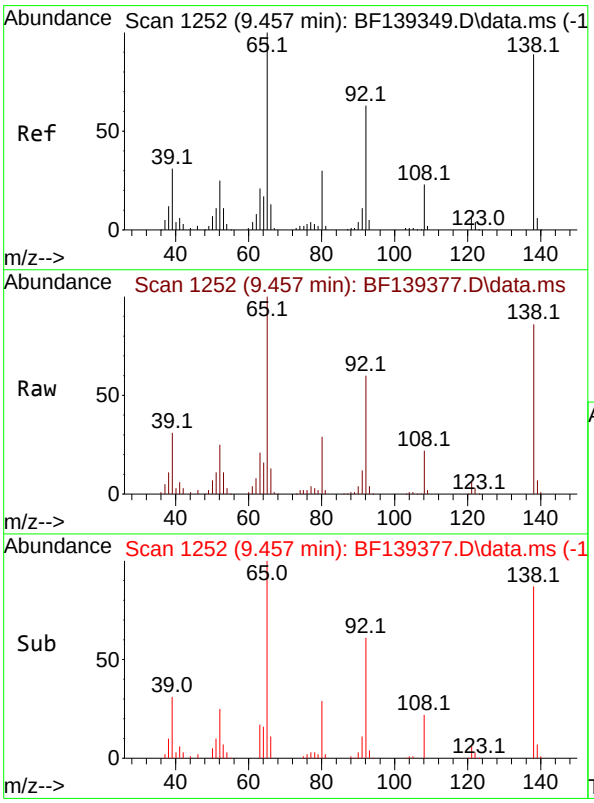

#47
2-Chloronaphthalene
Concen: 41.408 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 291444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 45.5 | 35.0 | 52.4 |
| 164 | 32.8 | 25.8 | 38.6 |

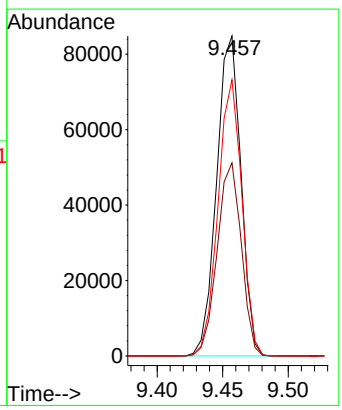


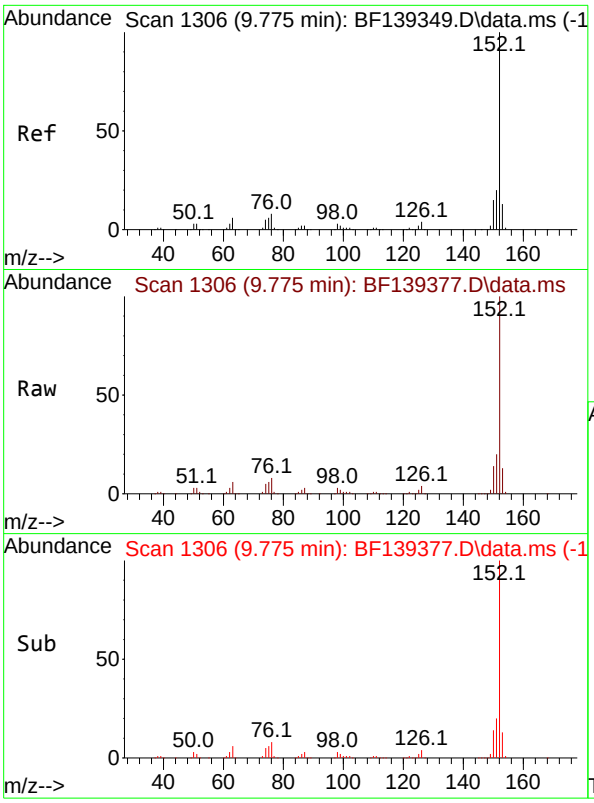




#48
2-Nitroaniline
Concen: 41.713 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion: 65 Resp: 109200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 60.3 | 50.3 | 75.5 |
| 138 | 86.3 | 71.3 | 106.9 |



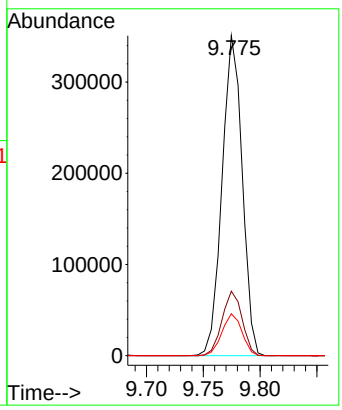


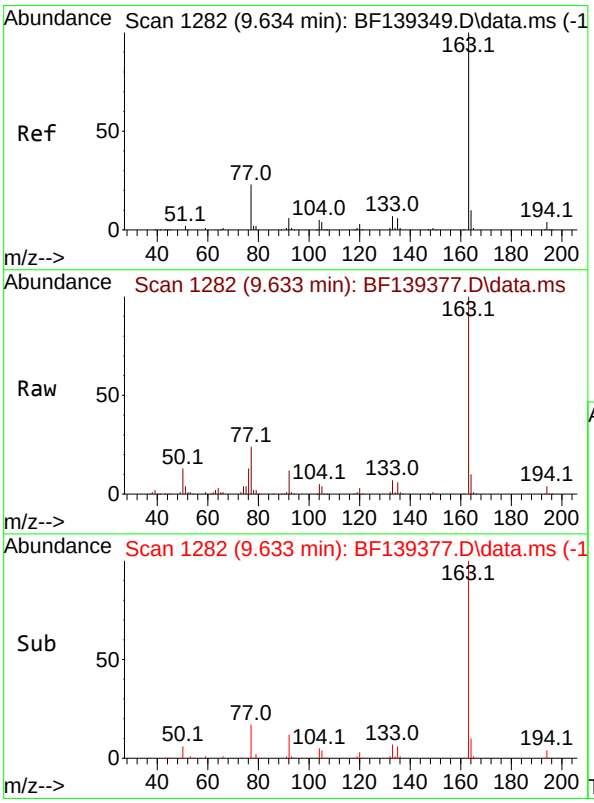

#49
Acenaphthylene
Concen: 40.863 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 432938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.2 | 24.2 |
| 153 | 13.1 | 10.3 | 15.5 |

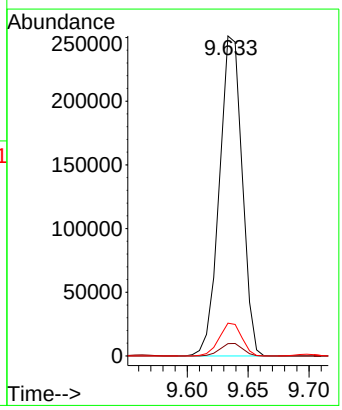


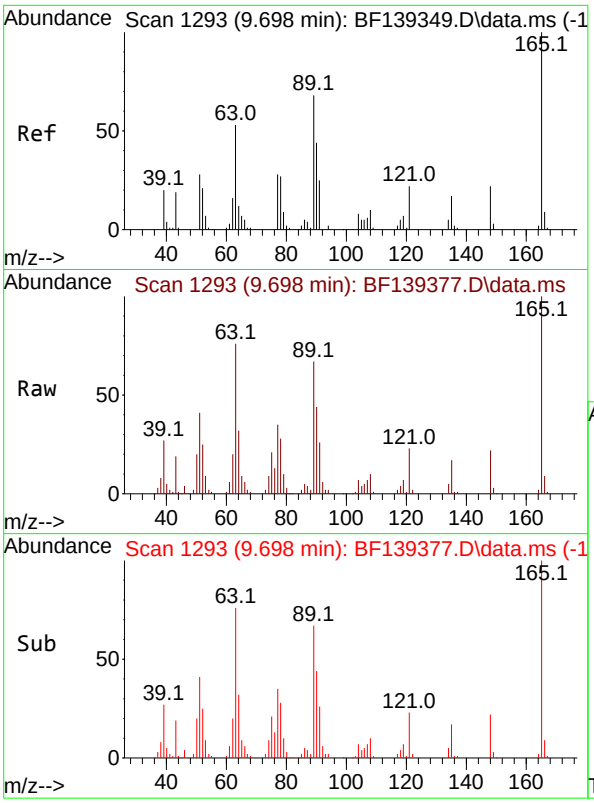




#50
Dimethylphthalate
Concen: 40.713 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:163 Resp: 326964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.2 |



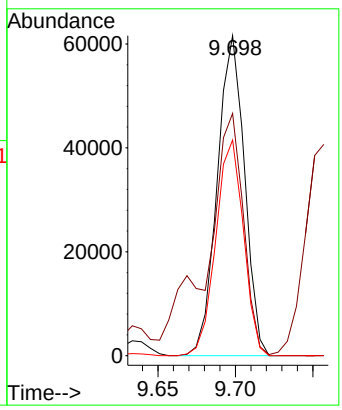


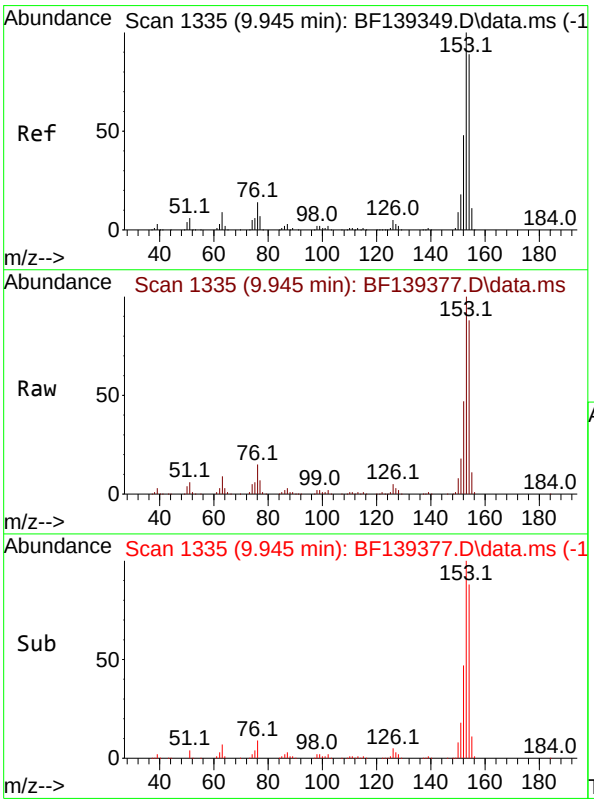

#51
2,6-Dinitrotoluene
Concen: 42.326 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 75302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 75.7 | 60.9 | 91.3 |
| 89 | 67.4 | 54.7 | 82.1 |

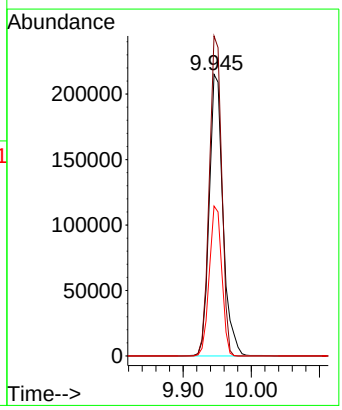


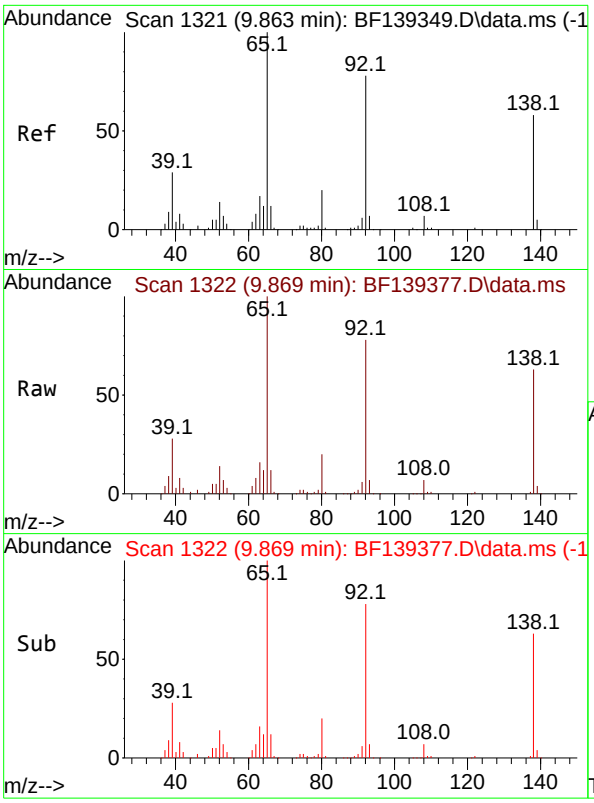




#52
Acenaphthene
Concen: 40.866 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:154 Resp: 302178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 89.5 | 134.3 |
| 152 | 53.2 | 42.6 | 64.0 |



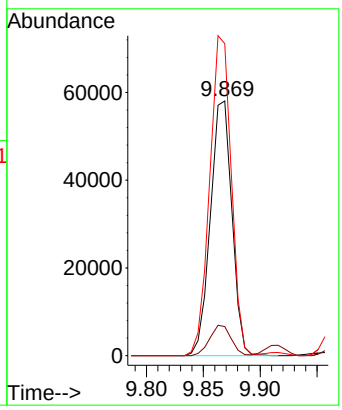


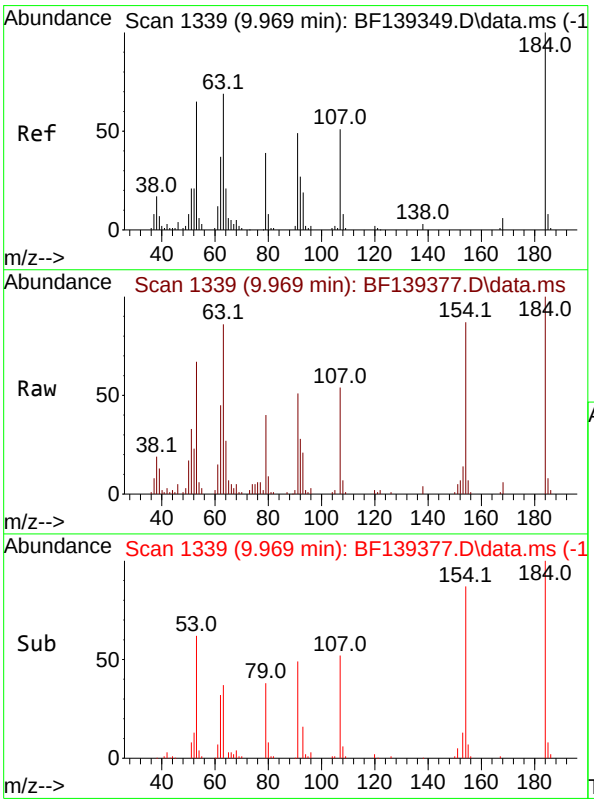

#53
3-Nitroaniline
Concen: 43.067 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 76572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.5 | 9.8 | 14.8 |
| 92 | 122.5 | 107.4 | 161.2 |

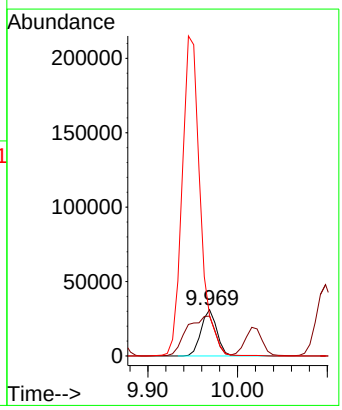


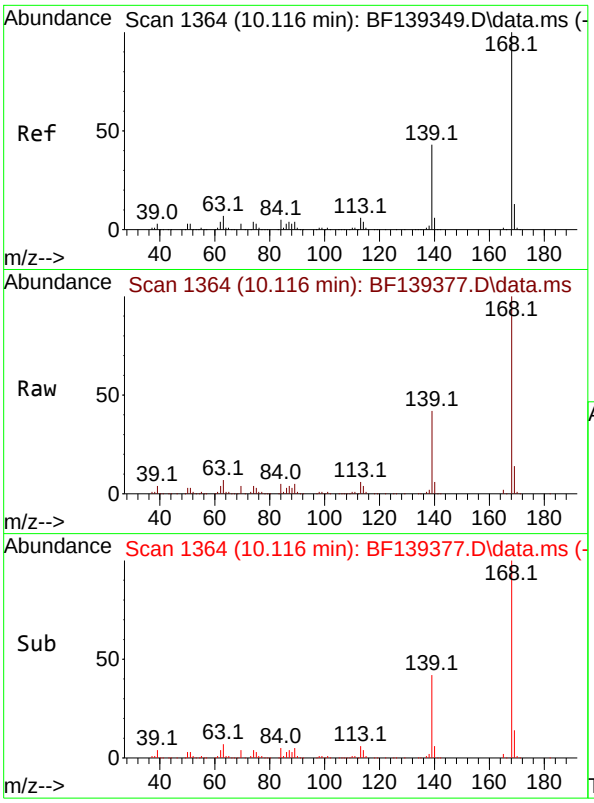




#54
2,4-Dinitrophenol
Concen: 38.724 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:184 Resp: 38389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 86.3 | 69.3 | 103.9 |
| 154 | 87.2 | 67.5 | 101.3 |



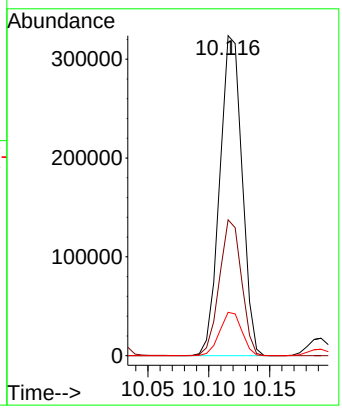


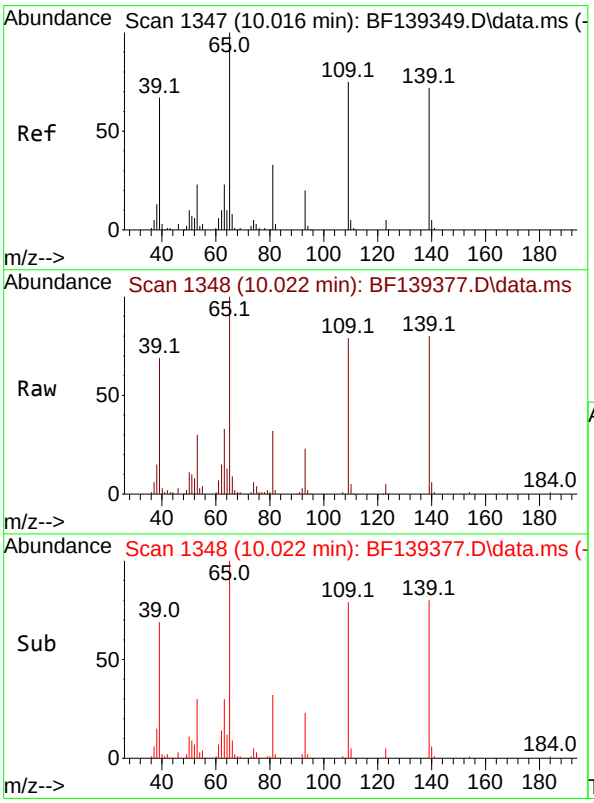

#55
Dibenzofuran
Concen: 40.236 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 414689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.4 | 34.1 | 51.1 |
| 169 | 13.5 | 10.5 | 15.7 |

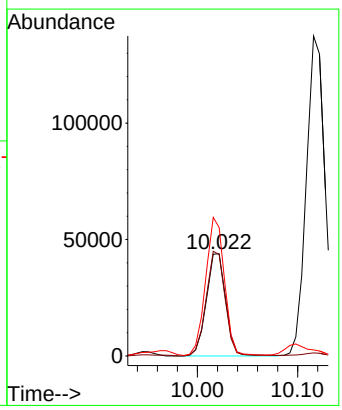


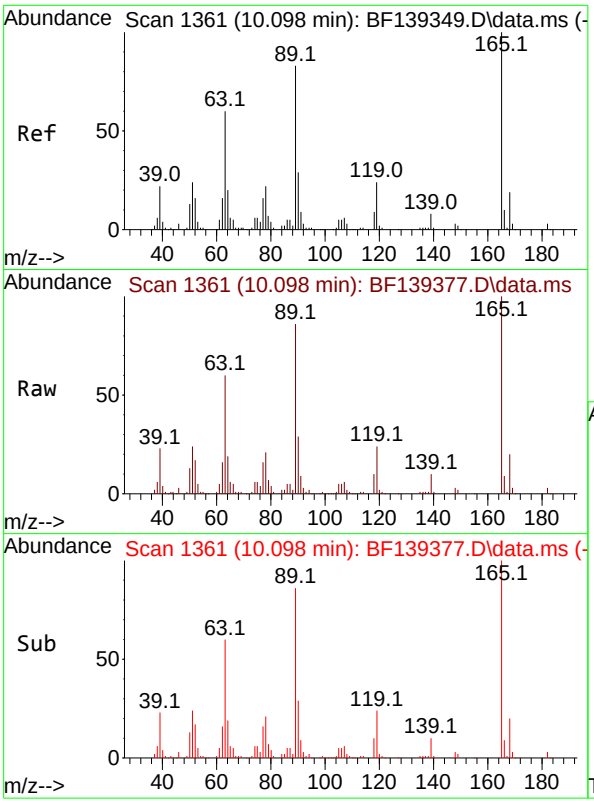




#56
4-Nitrophenol
Concen: 40.098 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:139 Resp: 58992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 99.2 | 84.1 | 124.1 |
| 65 | 125.7 | 120.0 | 160.0 |



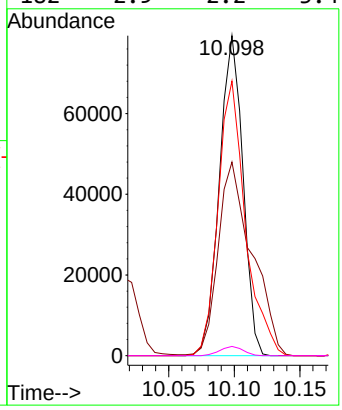


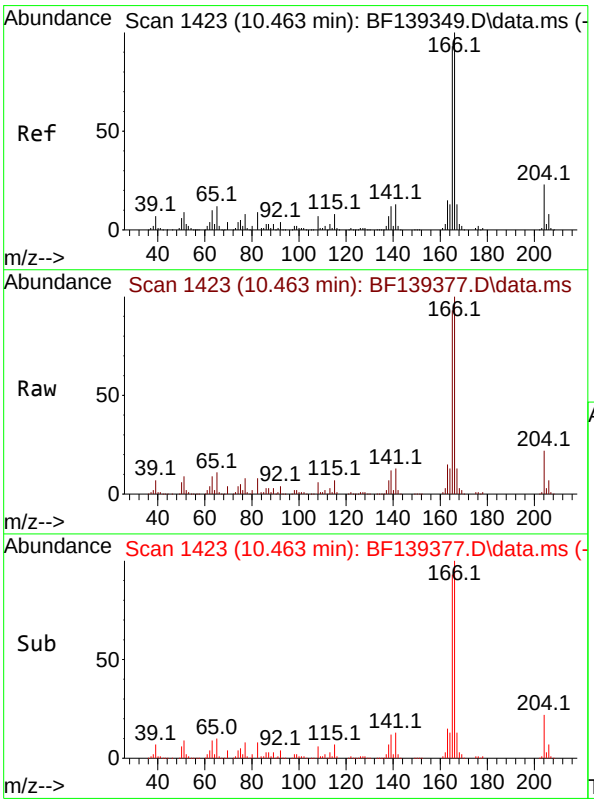

#57
2,4-Dinitrotoluene
Concen: 41.104 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 98729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.5 | 47.8 | 71.6 |
| 89 | 85.8 | 66.7 | 100.1 |
| 182 | 2.9 | 2.2 | 3.4 |

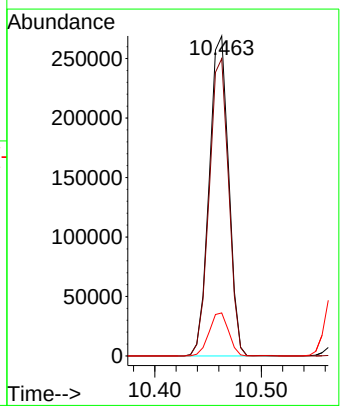


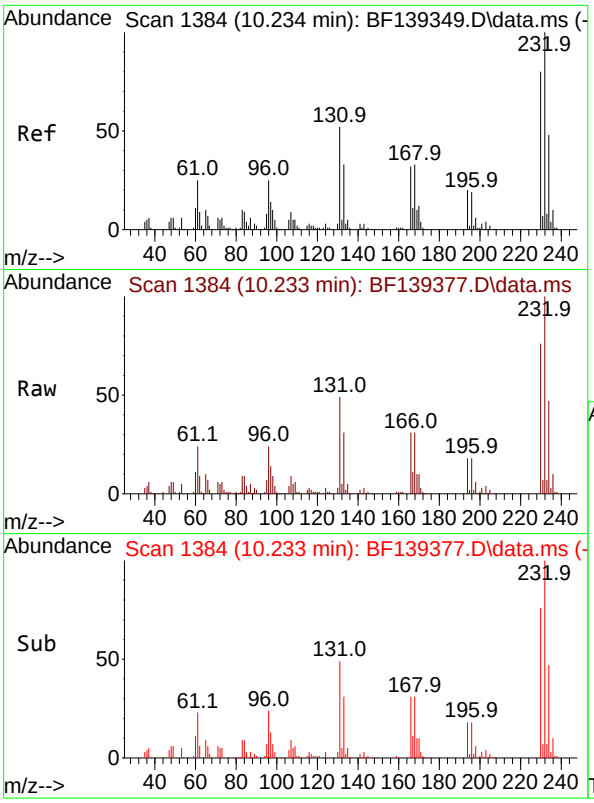




#58
Fluorene
Concen: 40.449 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:166 Resp: 340138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.9 | 74.5 | 111.7 |
| 167 | 13.5 | 10.6 | 16.0 |



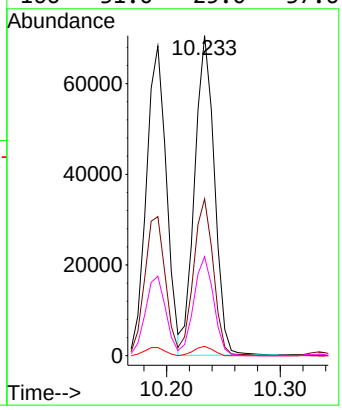


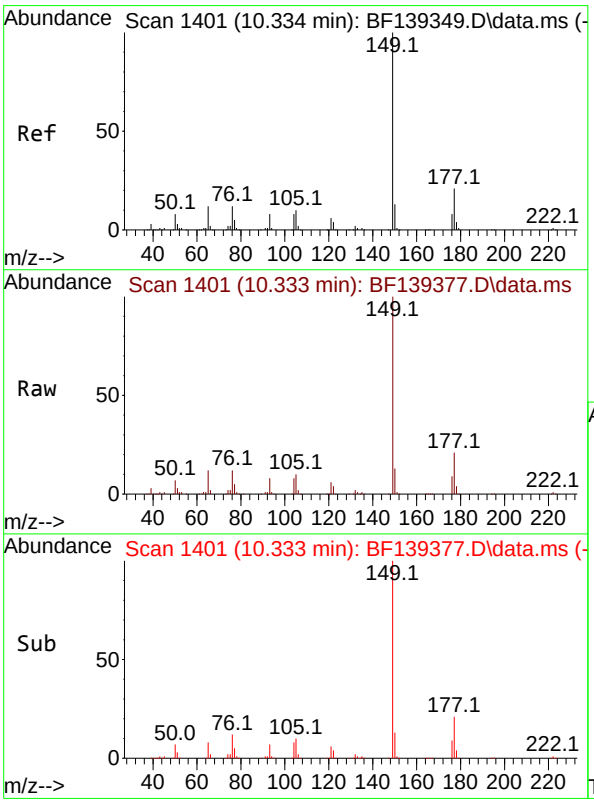

#59
2,3,4,6-Tetrachlorophenol
Concen: 41.442 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 85315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.0 | 40.7 | 61.1 |
| 130 | 2.8 | 2.2 | 3.2 |
| 166 | 31.0 | 25.0 | 37.6 |

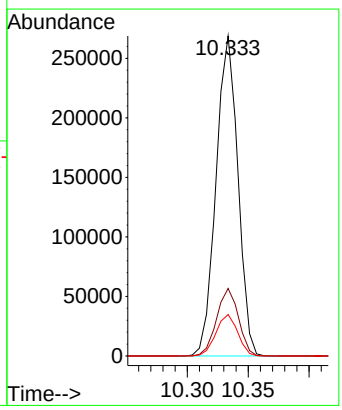


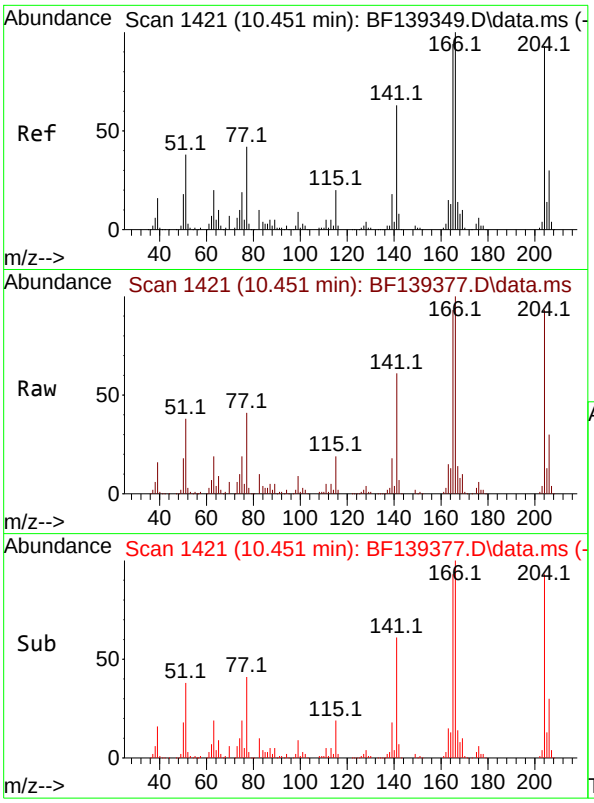




#60
Diethylphthalate
Concen: 40.532 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:149 Resp: 335912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.1 | 16.6 | 24.8 |
| 150 | 12.9 | 10.6 | 15.8 |



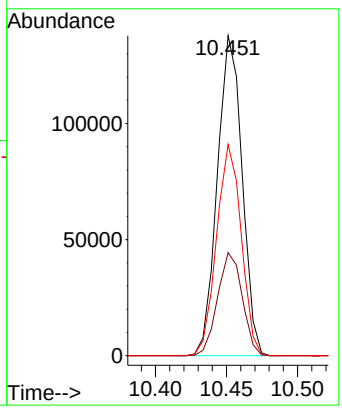


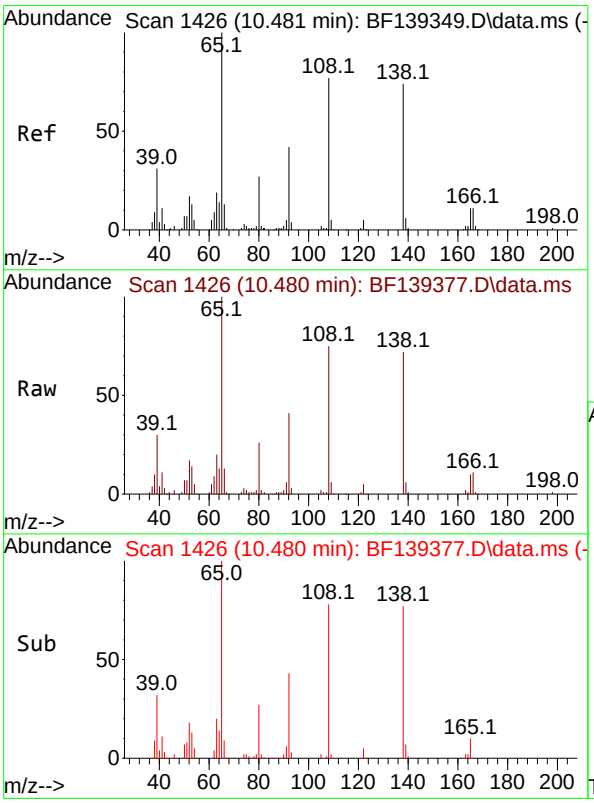

#61
4-Chlorophenyl-phenylether
Concen: 40.879 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 167063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 26.2 | 39.2 |
| 141 | 66.0 | 53.9 | 80.9 |

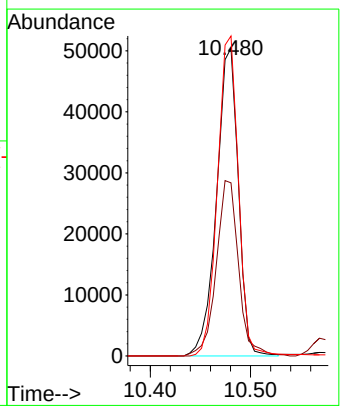


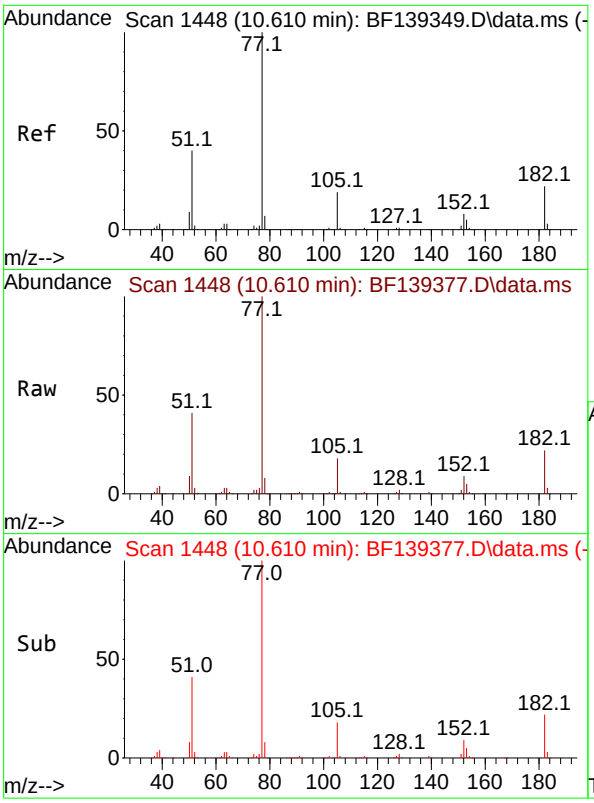




#62
4-Nitroaniline
Concen: 39.234 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:138 Resp: 76133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 56.3 | 37.0 | 77.0 |
| 108 | 104.0 | 84.4 | 124.4 |



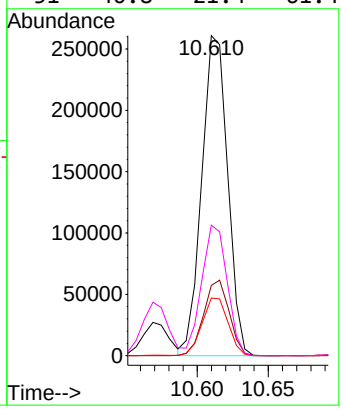


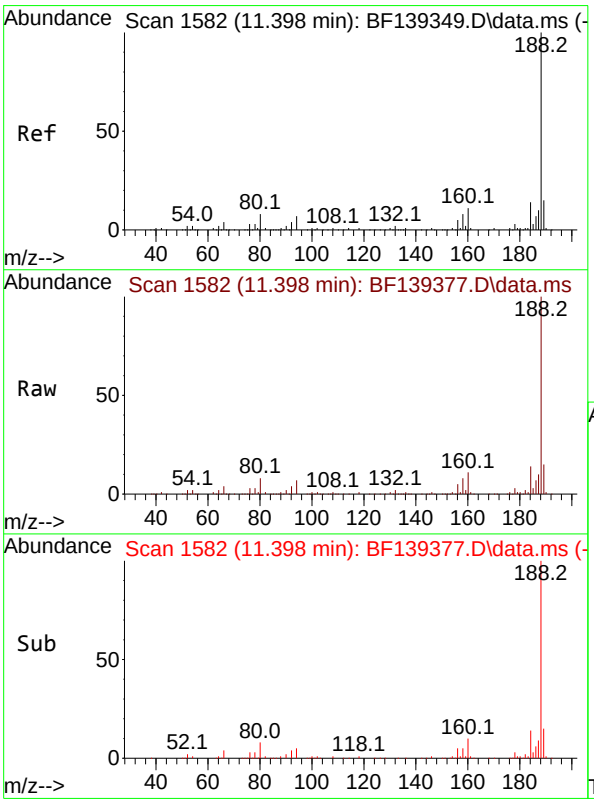

#63
Azobenzene
Concen: 40.634 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 331221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.0 | 1.8 | 41.8 |
| 105 | 18.0 | 0.0 | 38.6 |
| 51 | 40.8 | 21.4 | 61.4 |

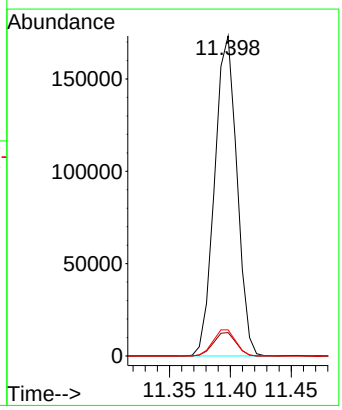


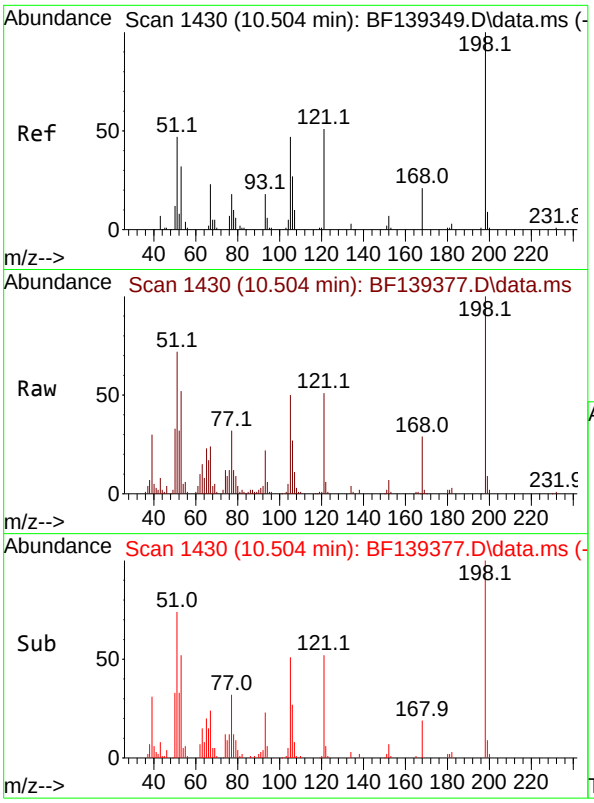




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:188 Resp: 221286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 5.5 | 8.3 |
| 80 | 8.1 | 6.6 | 9.8 |



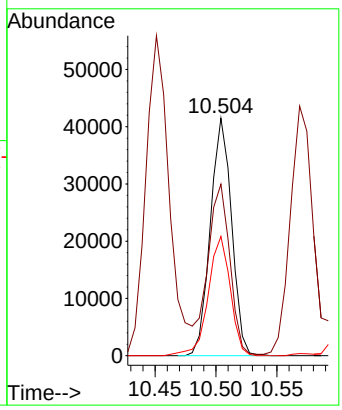


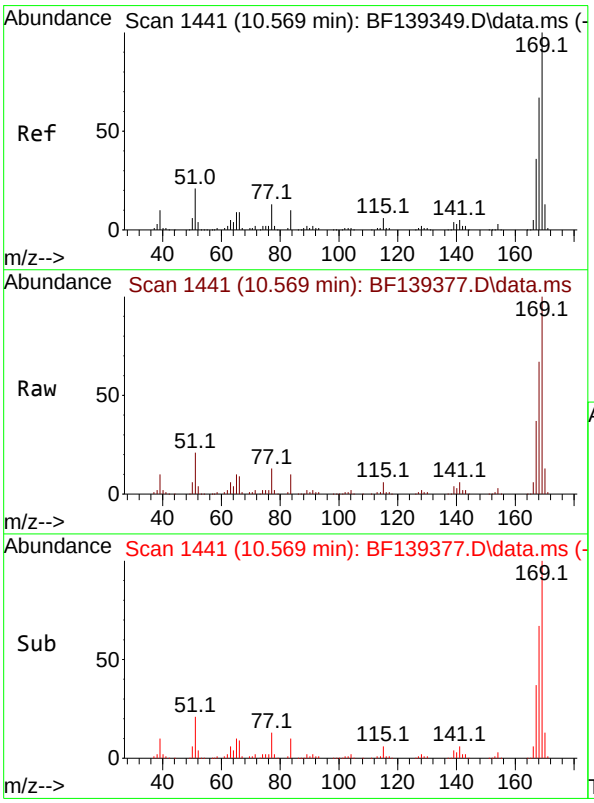

#65
4,6-Dinitro-2-methylphenol
Concen: 43.085 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 50320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 72.2 | 50.4 | 90.4 |
| 105 | 50.2 | 28.3 | 68.3 |

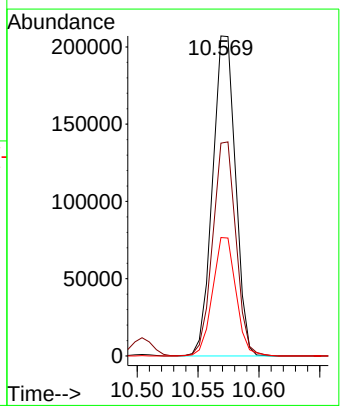


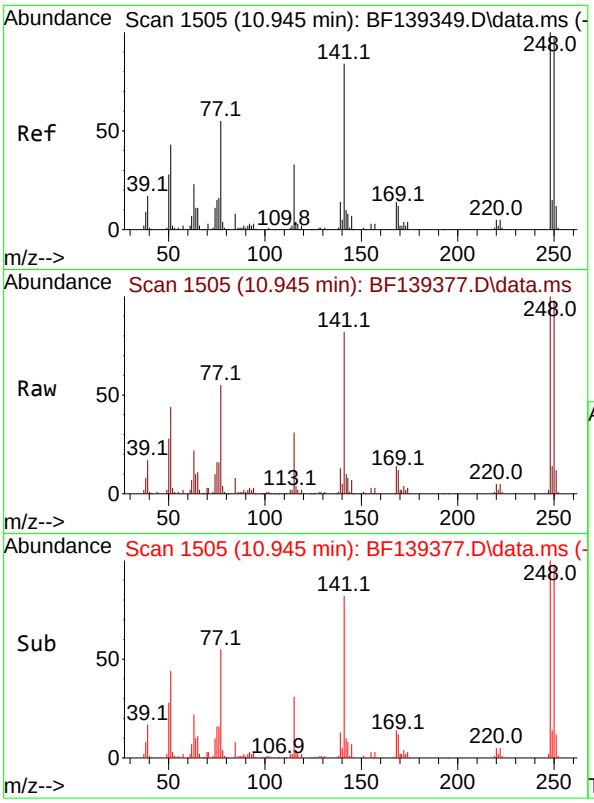




#66
n-Nitrosodiphenylamine
Concen: 41.895 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:169 Resp: 271048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.6 | 80.4 |
| 167 | 37.0 | 28.7 | 43.1 |



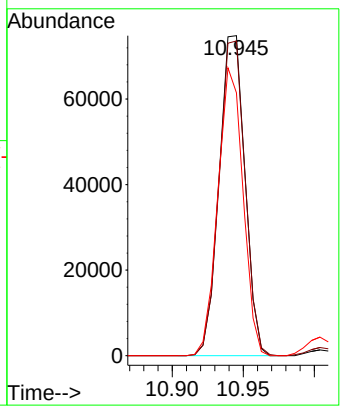


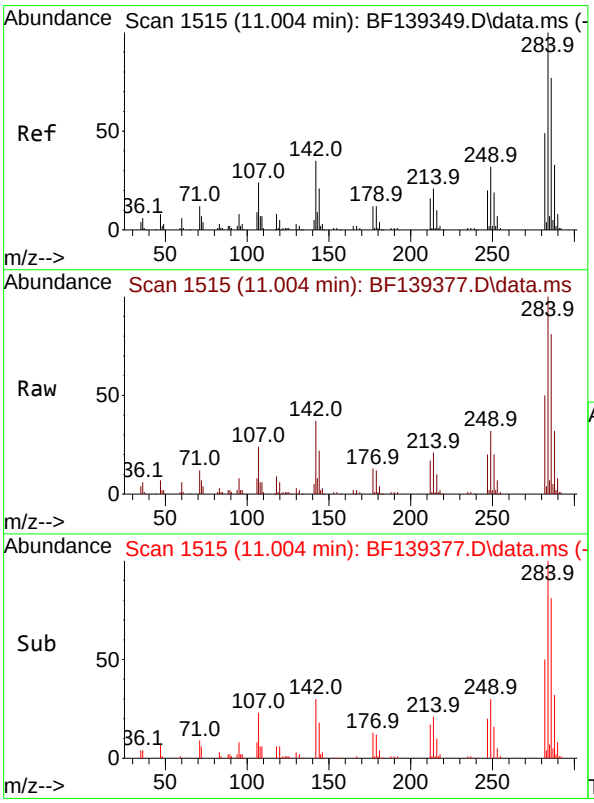

#67
4-Bromophenyl-phenylether
Concen: 43.182 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 94692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.3 | 77.6 | 116.4 |
| 141 | 82.1 | 66.9 | 100.3 |

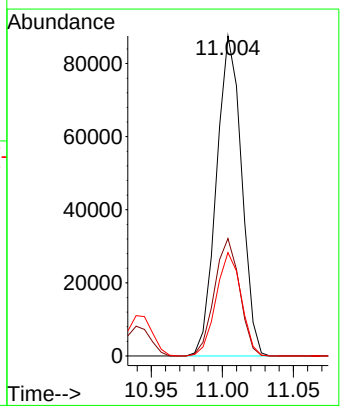


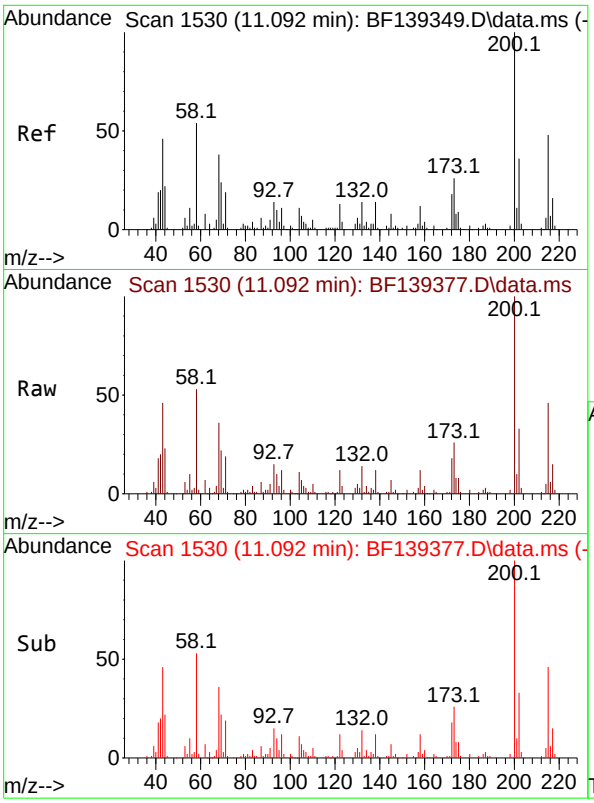




#68
Hexachlorobenzene
Concen: 41.886 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:284 Resp: 107799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.7 | 28.0 | 42.0 |
| 249 | 32.3 | 25.3 | 37.9 |



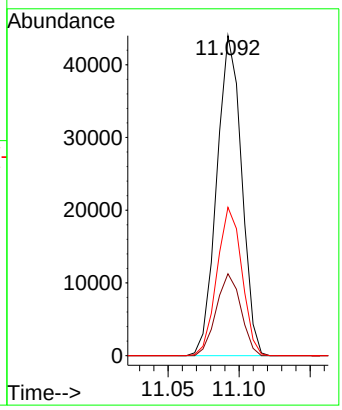


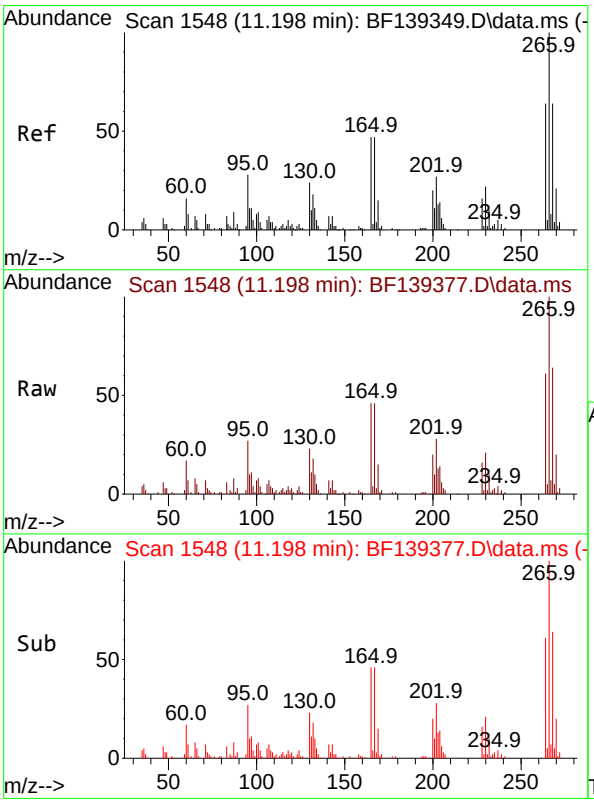

#69
Atrazine
Concen: 34.691 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 53431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 6.1 | 46.1 |
| 215 | 46.3 | 28.2 | 68.2 |

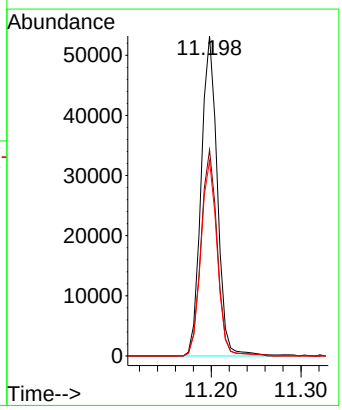


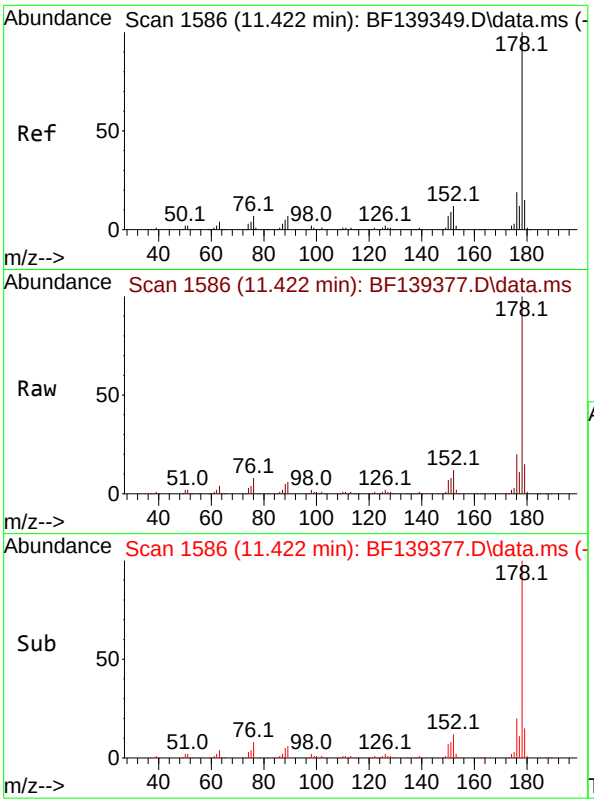




#70
Pentachlorophenol
Concen: 43.037 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:266 Resp: 66462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 51.1 | 76.7 |
| 264 | 61.0 | 51.4 | 77.0 |



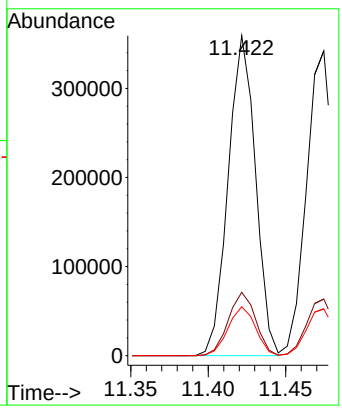


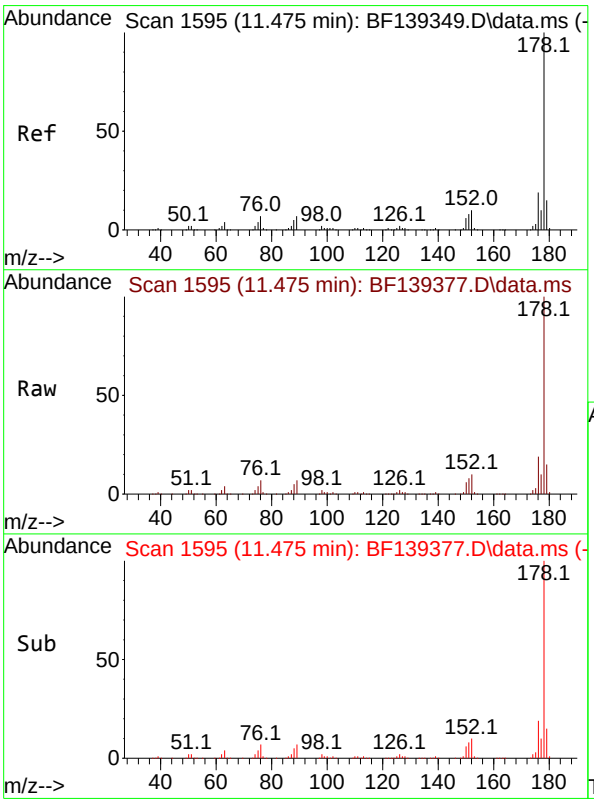

#71
Phenanthrene
Concen: 41.230 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 440181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.2 | 22.8 |
| 179 | 15.3 | 12.2 | 18.4 |

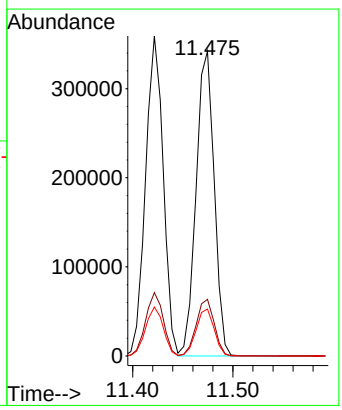


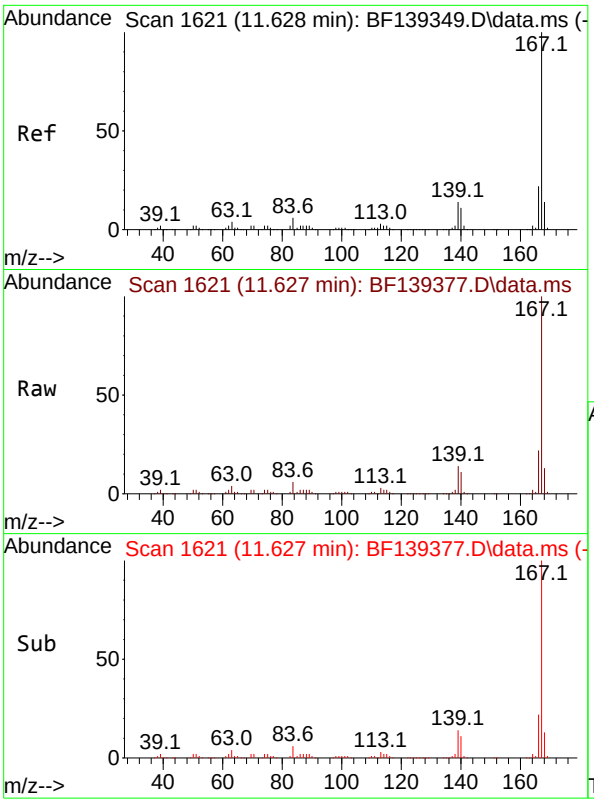




#72
Anthracene
Concen: 41.196 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:178 Resp: 430011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 15.4 | 12.0 | 18.0 |



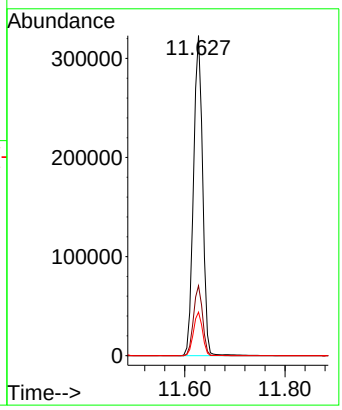


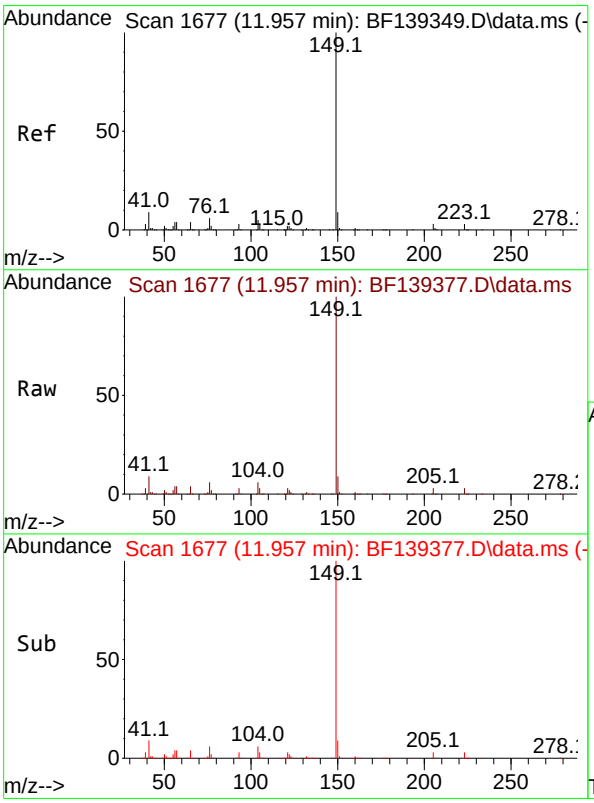

#73
Carbazole
Concen: 40.846 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 408067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.5 | 26.3 |
| 139 | 13.6 | 10.9 | 16.3 |

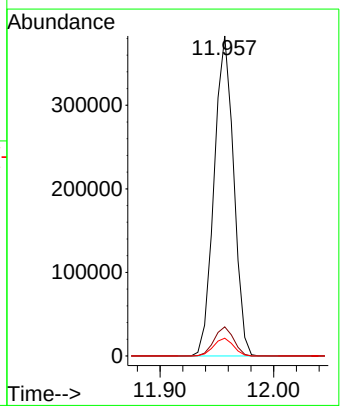


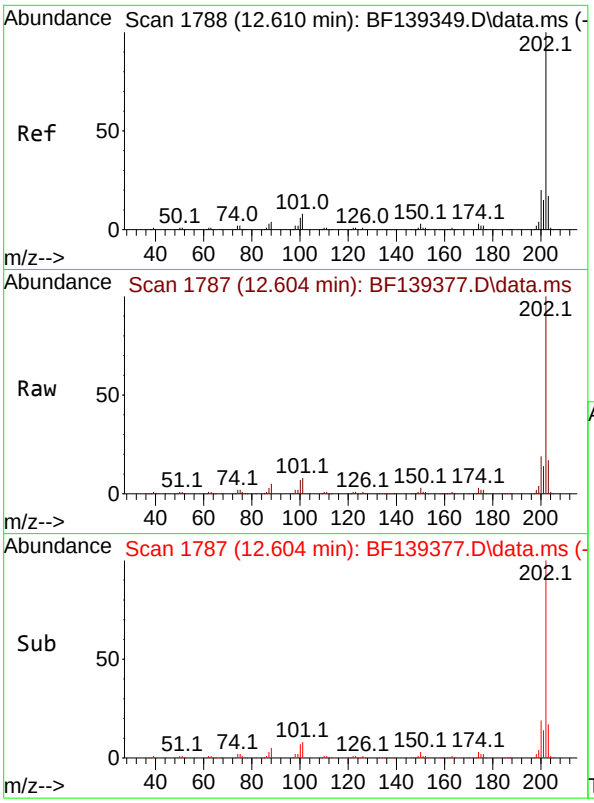




#74
Di-n-butylphthalate
Concen: 41.126 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:149 Resp: 457689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 5.6 | 4.3 | 6.5 |



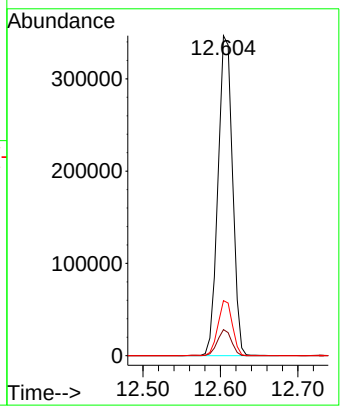


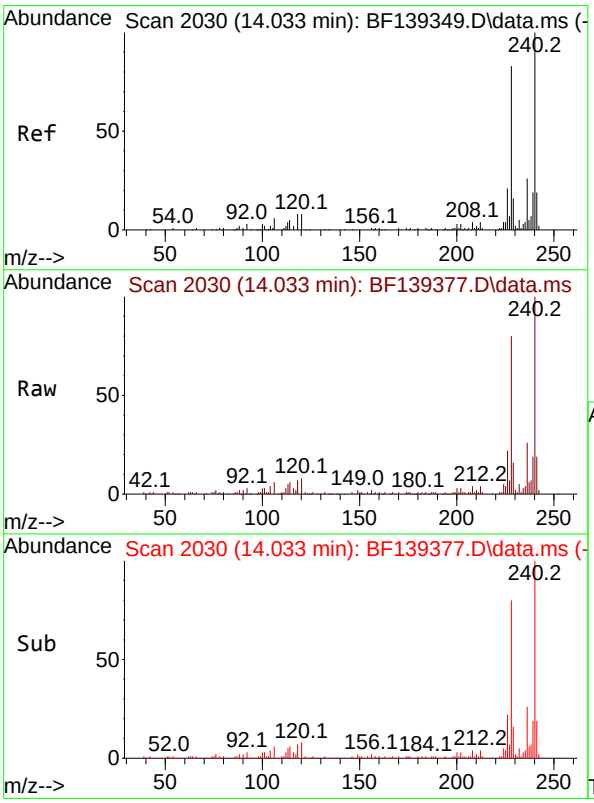

#75
Fluoranthene
Concen: 39.561 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 451045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 27.7 |
| 203 | 17.2 | 0.0 | 37.4 |

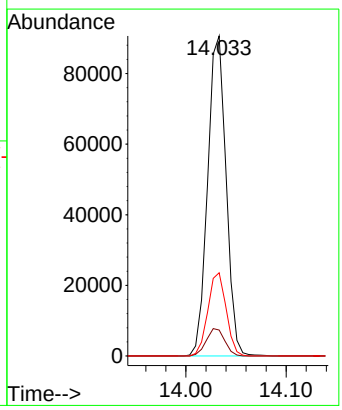


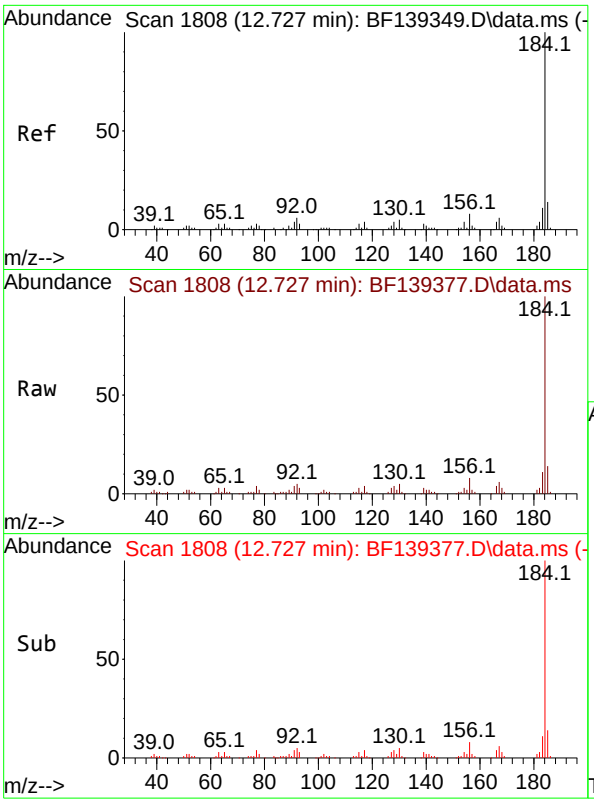




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:240 Resp: 116037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.1 | 6.2 | 9.2 |
| 236 | 26.0 | 20.9 | 31.3 |



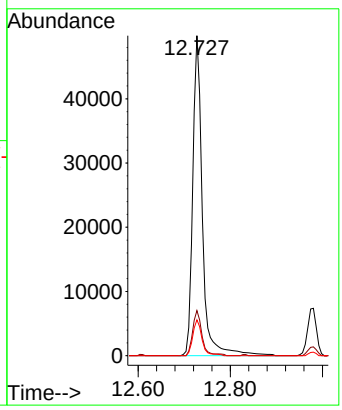


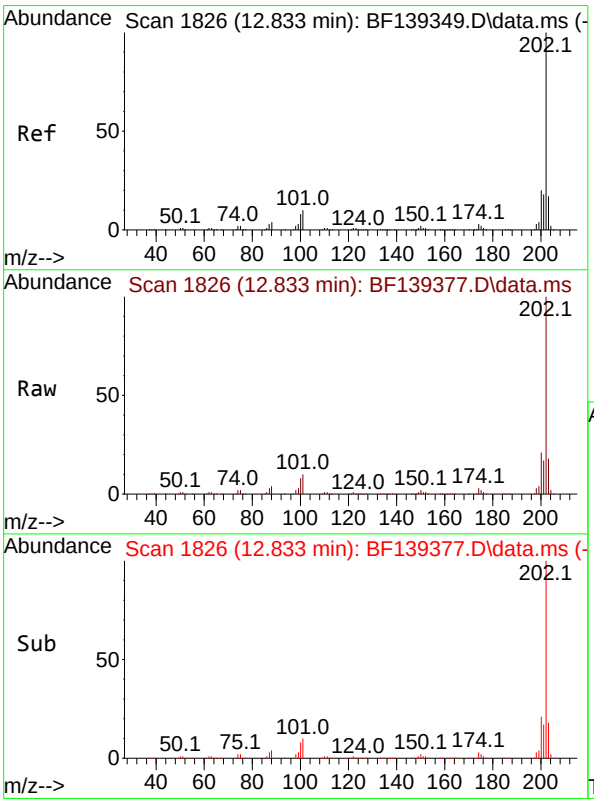

#77
Benzidine
Concen: 43.472 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 72271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.5 | 17.3 |
| 183 | 11.2 | 8.9 | 13.3 |

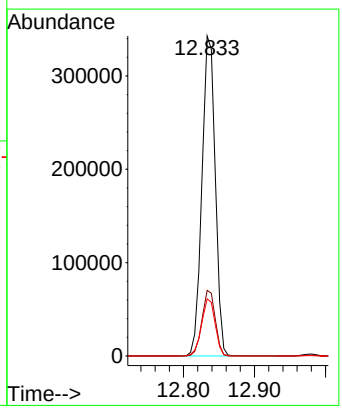


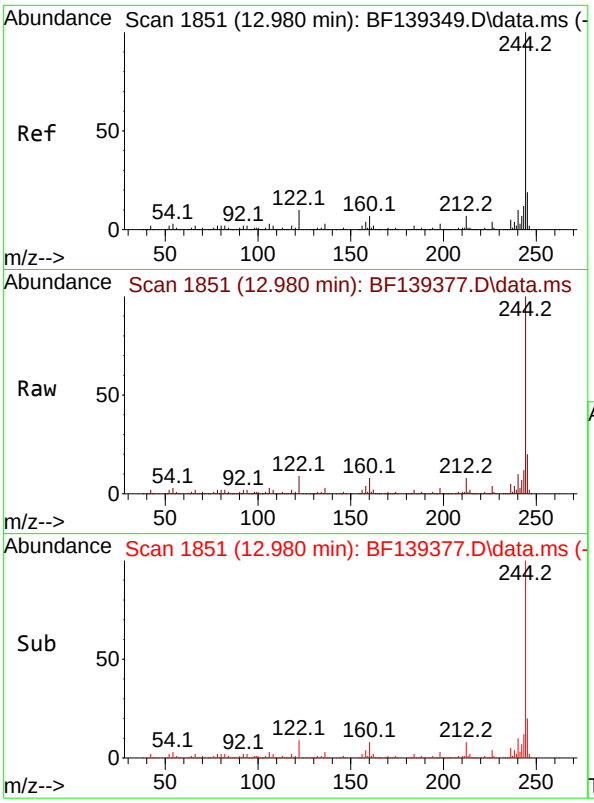




#78
Pyrene
Concen: 44.990 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:202 Resp: 448254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.2 | 24.2 |
| 203 | 17.9 | 13.9 | 20.9 |



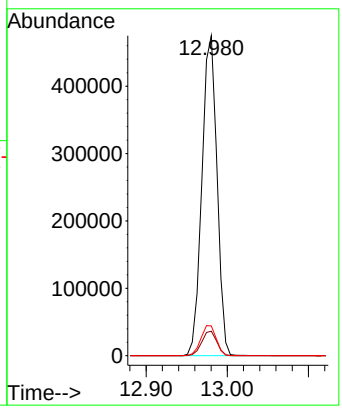


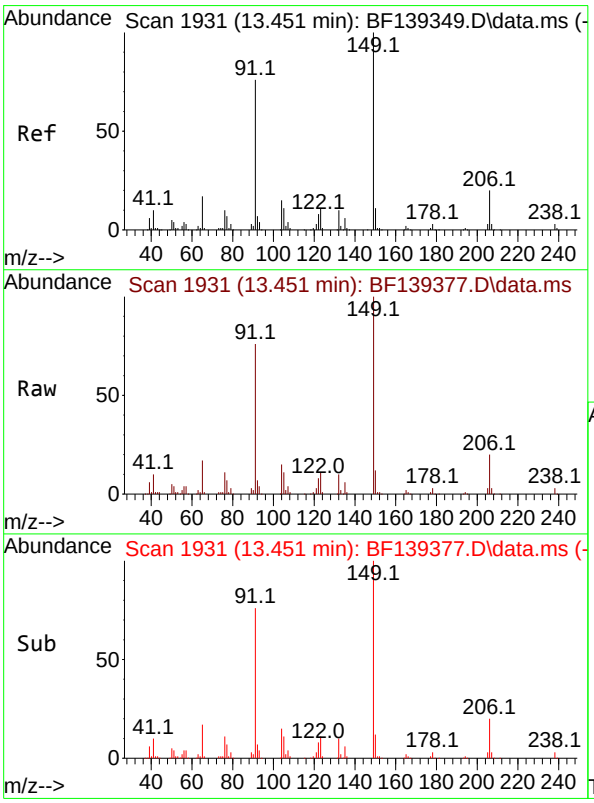

#79
Terphenyl-d14
Concen: 86.641 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 612505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.7 | 6.0 | 9.0 |
| 122 | 9.3 | 7.6 | 11.4 |

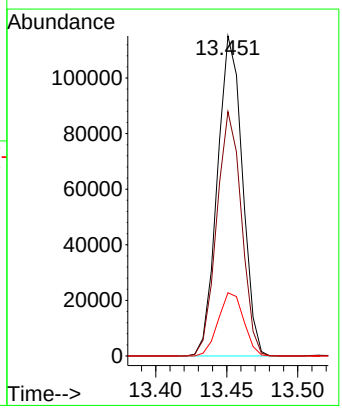


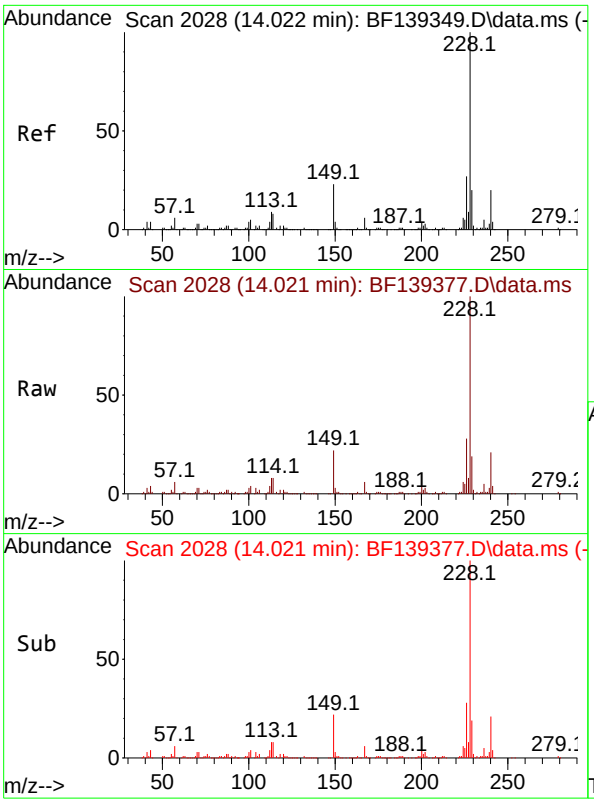




#80
Butylbenzylphthalate
Concen: 41.533 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:149 Resp: 140853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 76.3 | 60.9 | 91.3 |
| 206 | 19.7 | 15.8 | 23.8 |



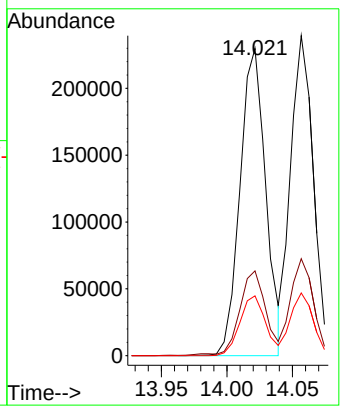


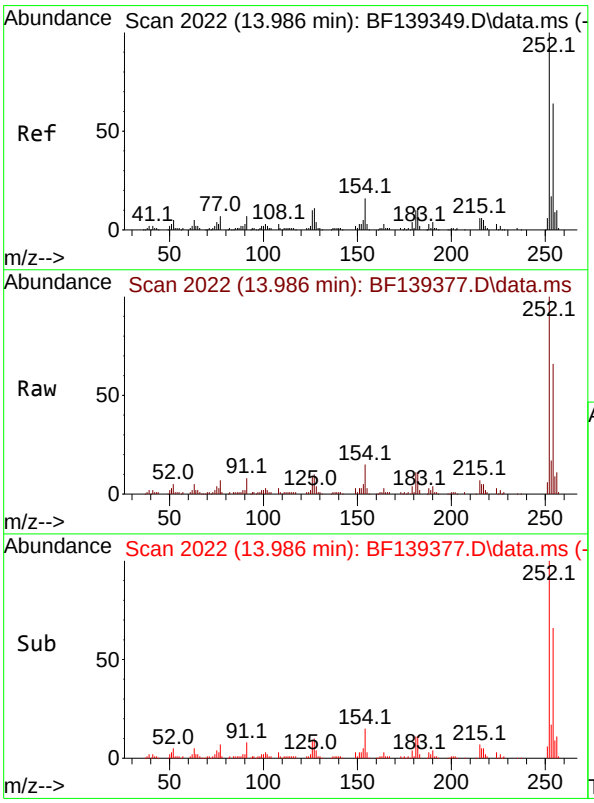

#81
Benzo(a)anthracene
Concen: 40.920 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 314524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.6 | 32.4 |
| 229 | 19.5 | 15.7 | 23.5 |

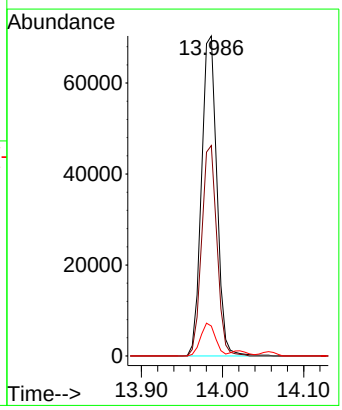


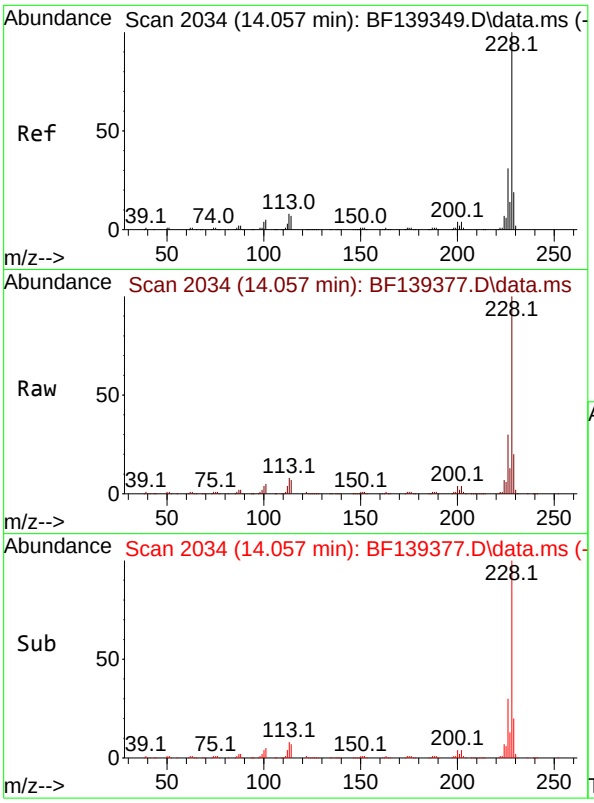




#82
3,3'-Dichlorobenzidine
Concen: 41.018 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:252 Resp: 92328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.8 | 51.4 | 77.2 |
| 126 | 9.4 | 7.7 | 11.5 |



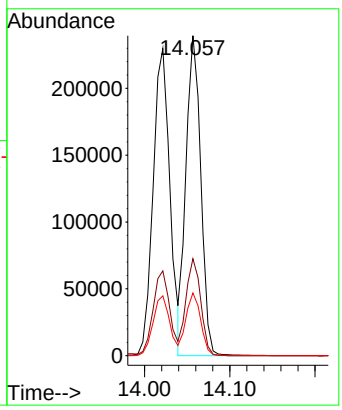


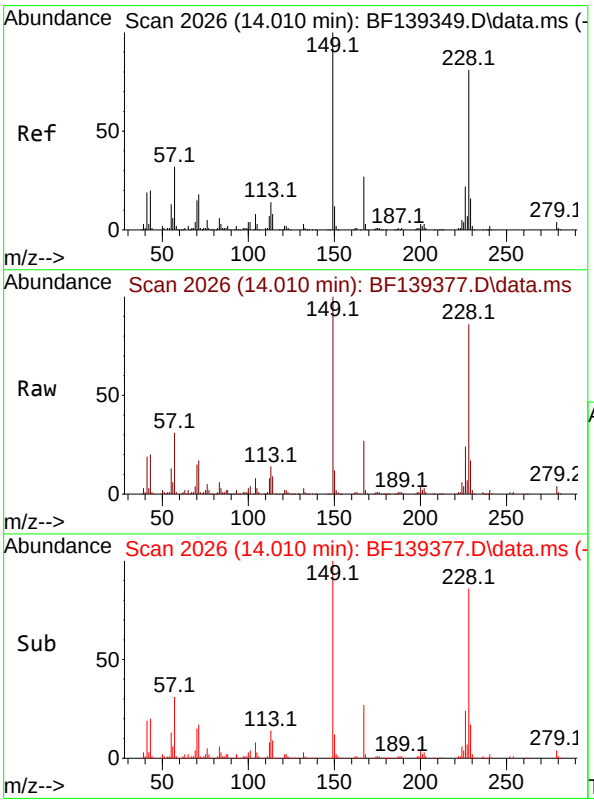

#83
Chrysene
Concen: 40.906 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 289263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.1 | 36.1 |
| 229 | 19.6 | 15.4 | 23.0 |

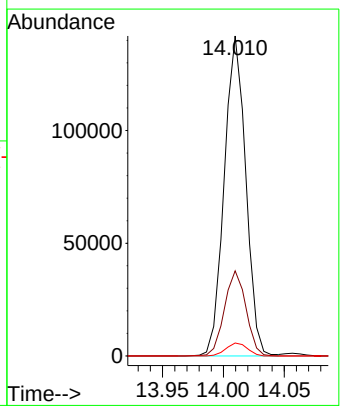


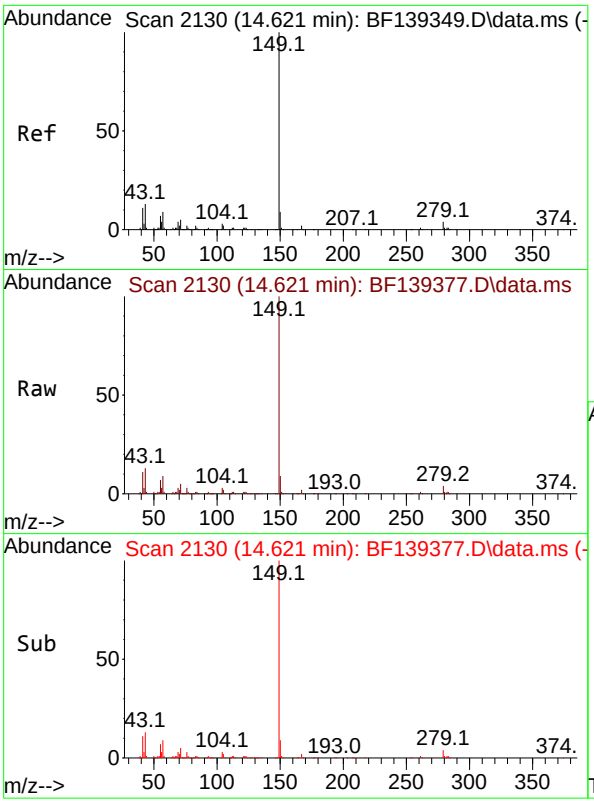




#84
Bis(2-ethylhexyl)phthalate
Concen: 40.547 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:149 Resp: 174926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 21.6 | 32.4 |
| 279 | 4.1 | 3.3 | 4.9 |



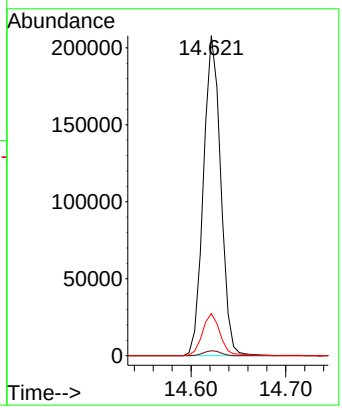


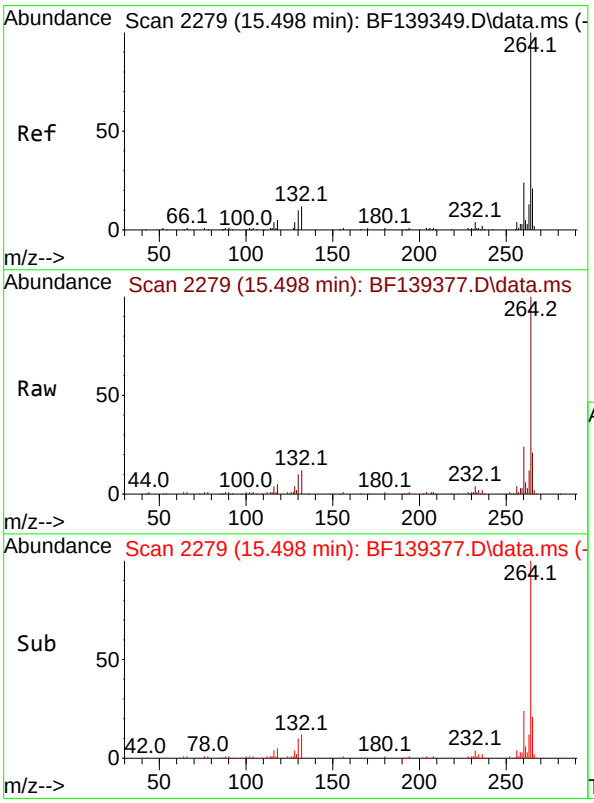

#85
Di-n-octyl phthalate
Concen: 41.470 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 263480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.6 | 10.6 | 16.0 |

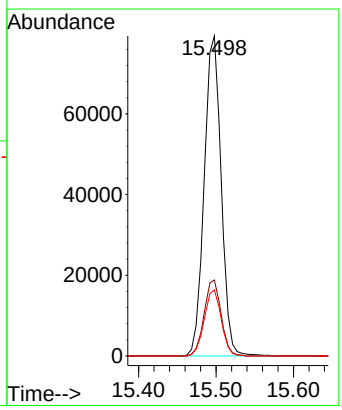


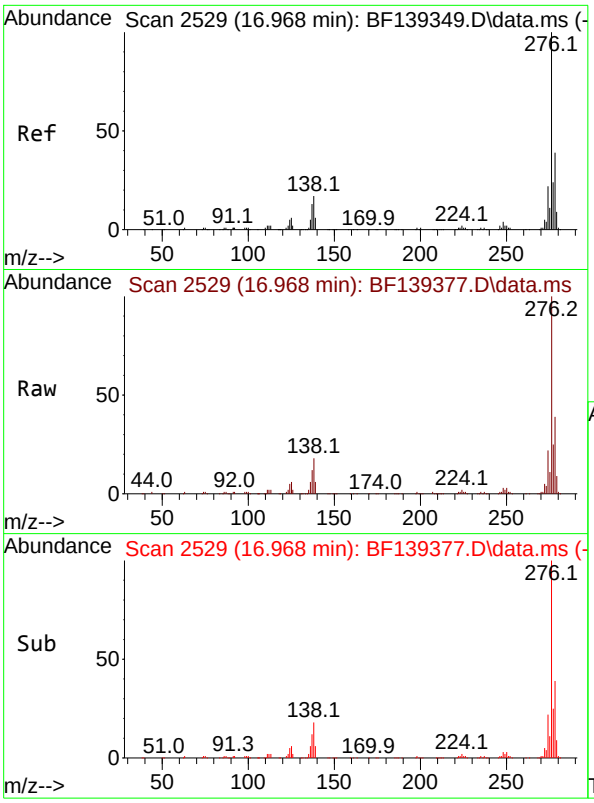




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:264 Resp: 120558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.5 | 29.3 |
| 265 | 20.7 | 16.6 | 25.0 |



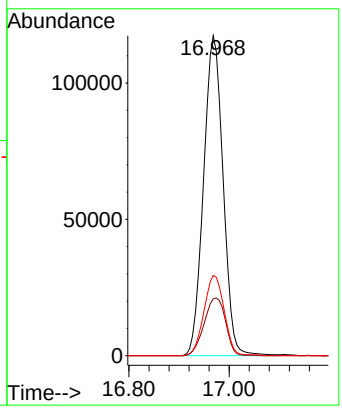


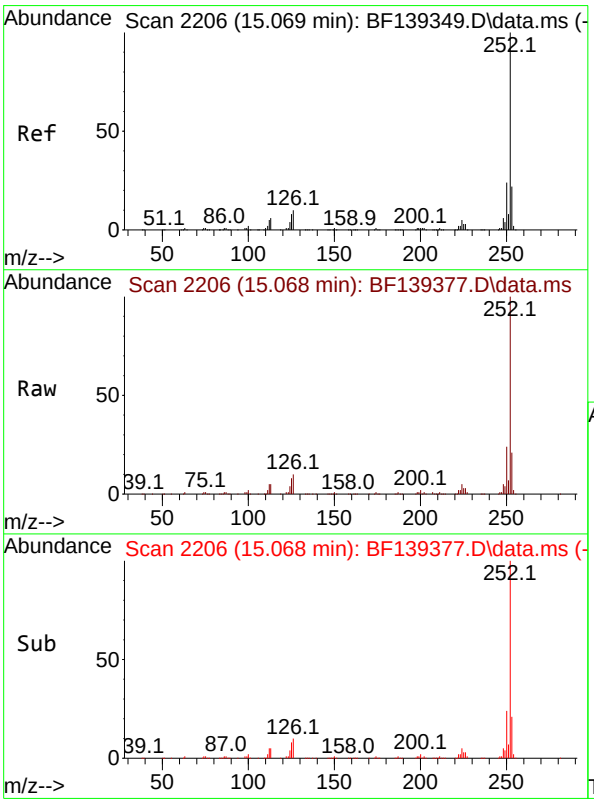

#87
Indeno(1,2,3-cd)pyrene
Concen: 44.324 ng
RT: 16.968 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 317744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.8 | 15.4 | 23.2 |
| 277 | 25.9 | 20.4 | 30.6 |

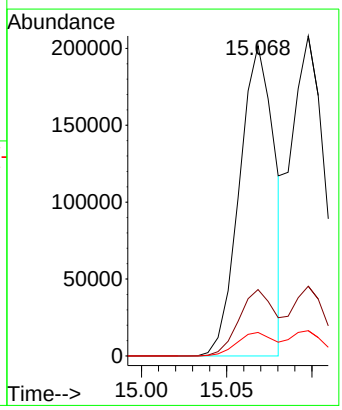


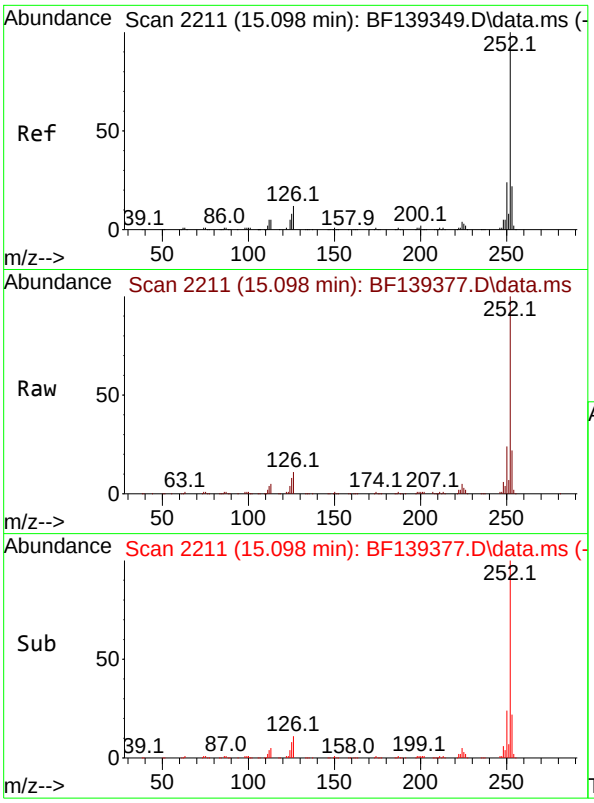




#88
Benzo(b)fluoranthene
Concen: 38.813 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:252 Resp: 288585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.6 | 26.4 |
| 125 | 7.6 | 6.2 | 9.2 |



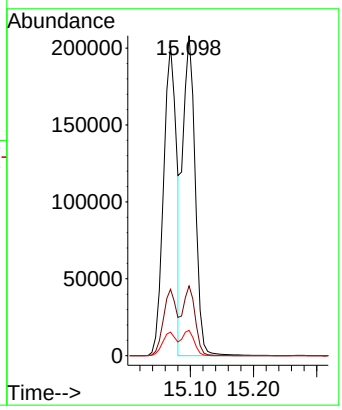


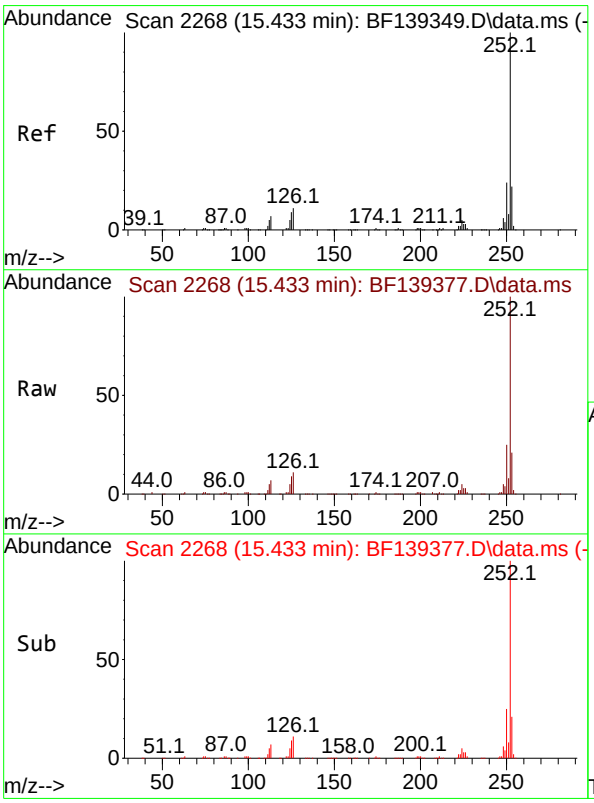

#89
Benzo(k)fluoranthene
Concen: 41.650 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 285530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.3 | 25.9 |
| 125 | 7.9 | 5.9 | 8.9 |

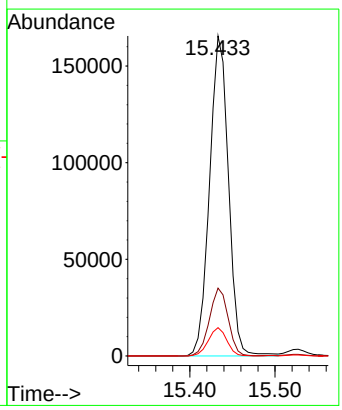


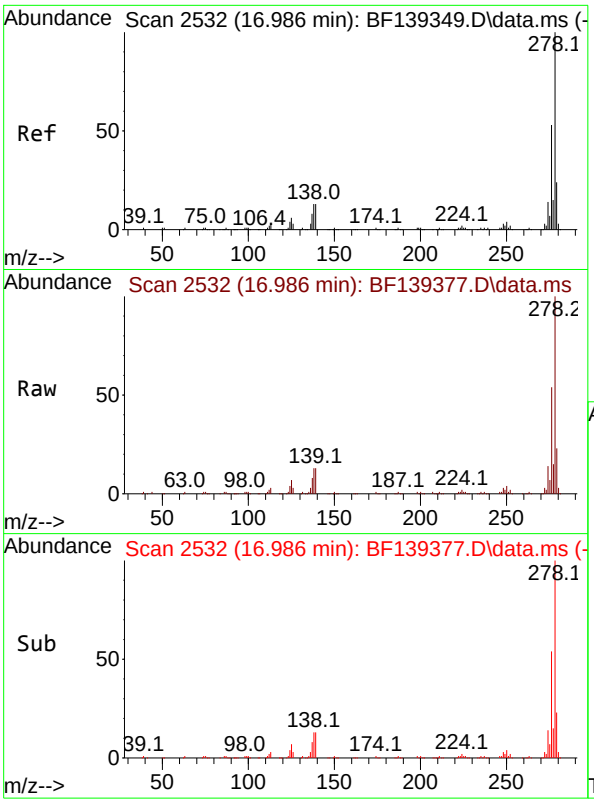




#90
Benzo(a)pyrene
Concen: 41.411 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:252 Resp: 255357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.3 | 25.9 |
| 125 | 8.8 | 6.8 | 10.2 |



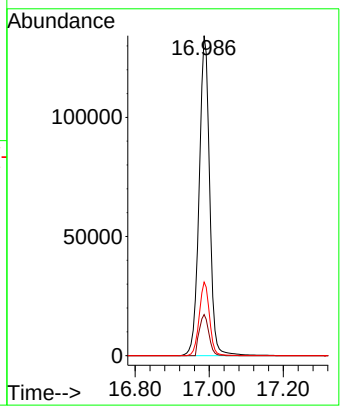


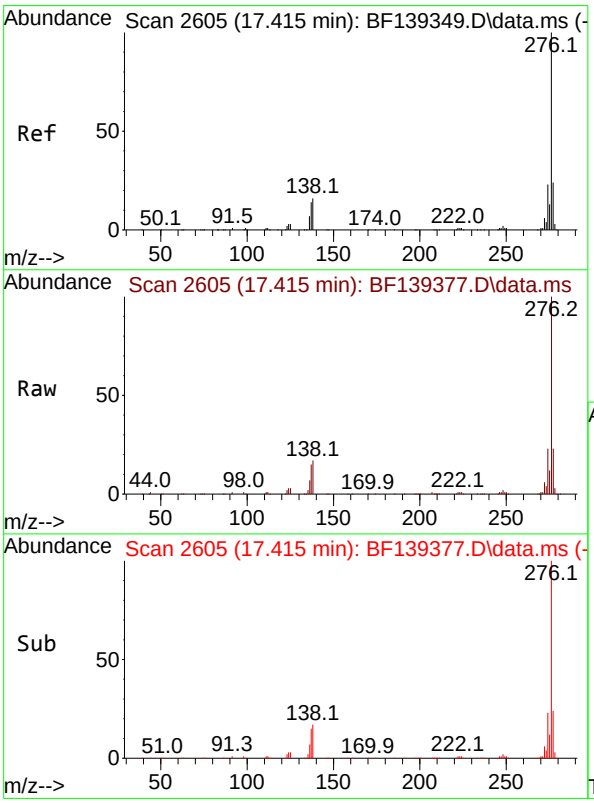

#91
Dibenzo(a,h)anthracene
Concen: 44.439 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 263243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.9 | 10.2 | 15.2 |
| 279 | 23.0 | 18.9 | 28.3 |

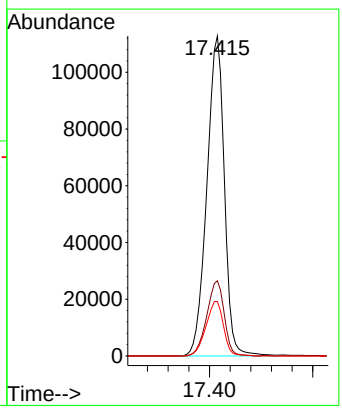



#92
Benzo(g,h,i)perylene
Concen: 45.248 ng
RT: 17.415 min Scan# 2605
Delta R.T. -0.000 min
Lab File: BF139377.D
Acq: 16 Sep 2024 10:36

Tgt Ion:276 Resp: 265389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.9 | 28.3 |
| 138 | 17.0 | 13.0 | 19.6 |



Sample Results: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 0.492 | 0.496 | -0.8 | 126 | 0.00 |
| 3 | | Pyridine | 1.084 | 1.150 | -6.1 | 131 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.940 | 0.924 | 1.7 | 123 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.226 | 1.218 | 0.7 | 126 | 0.00 |
| 6 | | Aniline | 1.214 | 1.186 | 2.3 | 125 | -0.02 |
| 7 | S | Phenol-d6 | 1.609 | 1.574 | 2.2 | 123 | 0.00 |
| 8 | | 2-Chlorophenol | 1.262 | 1.247 | 1.2 | 126 | 0.00 |
| 9 | | Benzaldehyde | 0.930 | 0.806 | 13.3 | 121 | 0.00 |
| 10 | C | Phenol | 1.639 | 1.629 | 0.6 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.246 | 1.170 | 6.1 | 129 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.414 | 1.5 | 125 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.450 | 1.443 | 0.5 | 126 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.370 | 1.363 | 0.5 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 1.284 | 1.266 | 1.4 | 124 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.920 | 1.963 | -2.2 | 132 | 0.00 |
| 17 | | 2-Methylphenol | 1.003 | 0.996 | 0.7 | 127 | 0.00 |
| 18 | | Hexachloroethane | 0.552 | 0.550 | 0.4 | 127 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.954 | 0.966 | -1.3 | 129 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.368 | 1.341 | 2.0 | 124 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 22 | | Acetophenone | 0.523 | 0.537 | -2.7 | 126 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.425 | 0.443 | -4.2 | 127 | 0.00 |
| 24 | | Nitrobenzene | 0.438 | 0.448 | -2.3 | 125 | 0.00 |
| 25 | | Isophorone | 0.673 | 0.693 | -3.0 | 128 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.177 | -3.5 | 123 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.225 | 0.233 | -3.6 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.383 | 0.392 | -2.3 | 128 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.286 | 0.291 | -1.7 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.333 | 0.333 | 0.0 | 124 | 0.00 |
| 31 | | Naphthalene | 1.044 | 1.065 | -2.0 | 126 | 0.00 |
| 32 | | Benzoic acid | 0.211 | 0.219 | -3.8 | 126 | 0.00 |
| 33 | | 4-Chloroaniline | 0.319 | 0.324 | -1.6 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.226 | 0.236 | -4.4 | 129 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.087 | 1.1 | 117 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.331 | -1.2 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.663 | 0.670 | -1.1 | 125 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.651 | 0.652 | -0.2 | 125 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.593 | 0.621 | -4.7 | 124 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.207 | 0.229 | -10.6 | 124 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.213 | 0.208 | 2.3 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.386 | 0.406 | -5.2 | 119 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.407 | 0.418 | -2.7 | 119 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.426 | 1.488 | -4.3 | 124 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.539 | 1.594 | -3.6 | 123 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.150 | 1.191 | -3.6 | 122 | 0.00 |

Sample Results: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 0.428 | 0.446 | -4.2 | 121 | 0.00 |
| 49 | | Acenaphthylene | 1.732 | 1.769 | -2.1 | 121 | 0.00 |
| 50 | | Dimethylphthalate | 1.313 | 1.336 | -1.8 | 120 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.291 | 0.308 | -5.8 | 122 | 0.00 |
| 52 | C | Acenaphthene | 1.209 | 1.235 | -2.2 | 119 | 0.00 |
| 53 | | 3-Nitroaniline | 0.291 | 0.313 | -7.6 | 122 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.157 | 3.1 | 109 | 0.00 |
| 55 | | Dibenzofuran | 1.685 | 1.695 | -0.6 | 118 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.240 | 0.241 | -0.4 | 113 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.393 | 0.403 | -2.5 | 115 | 0.00 |
| 58 | | Fluorene | 1.375 | 1.390 | -1.1 | 117 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.336 | 0.349 | -3.9 | 120 | 0.00 |
| 60 | | Diethylphthalate | 1.355 | 1.373 | -1.3 | 118 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.668 | 0.683 | -2.2 | 120 | 0.00 |
| 62 | | 4-Nitroaniline | 0.317 | 0.311 | 1.9 | 111 | 0.00 |
| 63 | | Azobenzene | 1.332 | 1.353 | -1.6 | 118 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.114 | -7.5 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.585 | 0.612 | -4.6 | 116 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.198 | 0.214 | -8.1 | 118 | 0.00 |
| 68 | | Hexachlorobenzene | 0.233 | 0.244 | -4.7 | 114 | 0.00 |
| 69 | | Atrazine | 0.139 | 0.121 | 12.9 | 113 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.150 | -7.1 | 114 | 0.00 |
| 71 | | Phenanthrene | 0.965 | 0.995 | -3.1 | 113 | 0.00 |
| 72 | | Anthracene | 0.943 | 0.972 | -3.1 | 112 | 0.00 |
| 73 | | Carbazole | 0.903 | 0.922 | -2.1 | 111 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.006 | 1.034 | -2.8 | 110 | 0.00 |
| 75 | C | Fluoranthene | 1.030 | 1.019 | 1.1 | 107 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 0.287 | 0.311 | -8.4 | 86 | 0.00 |
| 78 | | Pyrene | 1.717 | 1.932 | -12.5 | 106 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.218 | 1.320 | -8.4 | 104 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.585 | 0.607 | -3.8 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.325 | 1.355 | -2.3 | 106 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.388 | 0.398 | -2.6 | 113 | 0.00 |
| 83 | | Chrysene | 1.219 | 1.246 | -2.2 | 107 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.744 | 0.754 | -1.3 | 105 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.095 | 1.135 | -3.7 | 107 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.189 | 1.318 | -10.8 | 109 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.233 | 1.197 | 2.9 | 111 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.137 | 1.184 | -4.1 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.023 | 1.059 | -3.5 | 111 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 0.983 | 1.092 | -11.1 | 113 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.973 | 1.101 | -13.2 | 113 | 0.00 |

Sample Results: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.309 | -0.8 | 126 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.424 | -6.1 | 131 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.320 | 1.7 | 123 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.476 | 0.7 | 126 | 0.00 |
| 6 | | Aniline | 40.000 | 39.081 | 2.3 | 125 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 78.245 | 2.2 | 123 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.525 | 1.2 | 126 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.698 | 13.3 | 121 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.765 | 0.6 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.579 | 6.1 | 129 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.401 | 1.5 | 125 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.787 | 0.5 | 126 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.769 | 0.6 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.435 | 1.4 | 124 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.896 | -2.2 | 132 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.729 | 0.7 | 127 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.803 | 0.5 | 127 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.524 | -1.3 | 129 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.204 | 2.0 | 124 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 127 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.115 | -2.8 | 126 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.307 | -4.1 | 127 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.917 | -2.3 | 125 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.226 | -3.1 | 128 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.490 | -3.7 | 123 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.426 | -3.6 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.886 | -2.2 | 128 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.675 | -1.7 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.040 | -0.1 | 124 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.811 | -2.0 | 126 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.552 | -3.9 | 126 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.580 | -1.4 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.645 | -4.1 | 129 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.424 | 1.4 | 117 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.528 | -1.3 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.440 | -1.1 | 125 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.060 | -0.2 | 125 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.894 | -4.7 | 124 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.327 | -10.8 | 124 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.227 | 2.2 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.099 | -5.2 | 119 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.068 | -2.7 | 119 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 83.451 | -4.3 | 124 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.446 | -3.6 | 123 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.408 | -3.5 | 122 | 0.00 |

Sample Results: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 41.713 | -4.3 | 121 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.863 | -2.2 | 121 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.713 | -1.8 | 120 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.326 | -5.8 | 122 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.866 | -2.2 | 119 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.067 | -7.7 | 122 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.724 | 3.2 | 109 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.236 | -0.6 | 118 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.098 | -0.2 | 113 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.104 | -2.8 | 115 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.449 | -1.1 | 117 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.442 | -3.6 | 120 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.532 | -1.3 | 118 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.879 | -2.2 | 120 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.234 | 1.9 | 111 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.634 | -1.6 | 118 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.085 | -7.7 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.895 | -4.7 | 116 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.182 | -8.0 | 118 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.886 | -4.7 | 114 | 0.00 |
| 69 | | Atrazine | 40.000 | 34.691 | 13.3 | 113 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.037 | -7.6 | 114 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.230 | -3.1 | 113 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.196 | -3.0 | 112 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.846 | -2.1 | 111 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.126 | -2.8 | 110 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.561 | 1.1 | 107 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.472 | -8.7 | 86 | 0.00 |
| 78 | | Pyrene | 40.000 | 44.990 | -12.5 | 106 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 86.641 | -8.3 | 104 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.533 | -3.8 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.920 | -2.3 | 106 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.018 | -2.5 | 113 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.906 | -2.3 | 107 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.547 | -1.4 | 105 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.470 | -3.7 | 107 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 44.324 | -10.8 | 109 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.813 | 3.0 | 111 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.650 | -4.1 | 113 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.411 | -3.5 | 111 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 44.439 | -11.1 | 113 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 45.248 | -13.1 | 113 | 0.00 |

Sample Results: **BF139377.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139377.D
Acq On : 16 Sep 2024 10:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 16 11:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.256 | 1.306 | | 4.0 | |
| Phenol-d6 | 1.769 | 1.780 | | 0.6 | |
| Phenol | 1.771 | 1.744 | | -1.5 | 20.0 |
| 2-Chlorophenol | 1.385 | 1.381 | | -0.3 | |
| 2-Methylphenol | 1.132 | 1.105 | | -2.4 | |
| 3+4-Methylphenols | 1.579 | 1.514 | | -4.1 | |
| Nitrobenzene-d5 | 0.400 | 0.407 | | 1.8 | |
| 2-Nitrophenol | 0.140 | 0.160 | | 14.3 | 20.0 |
| 2,4-Dimethylphenol | 0.212 | 0.215 | | 1.4 | |
| 2,4-Dichlorophenol | 0.269 | 0.275 | | 2.2 | 20.0 |
| Benzoic acid | 0.187 | 0.226 | | 20.9 | |
| 4-Chloro-3-methylphenol | 0.309 | 0.317 | | 2.6 | 20.0 |
| 2,4,6-Trichlorophenol | 0.339 | 0.366 | | 8.0 | 20.0 |
| 2-Fluorobiphenyl | 1.452 | 1.489 | | 2.5 | |
| 2,4,5-Trichlorophenol | 0.383 | 0.407 | | 6.3 | |
| 2,4-Dinitrophenol | 0.125 | 0.149 | 0.050 | 19.2 | |
| 4-Nitrophenol | 0.263 | 0.291 | 0.050 | 10.6 | |
| 4,6-Dinitro-2-methylphenol | 0.091 | 0.104 | | 14.3 | |
| 2,4,6-Tribromophenol | 0.193 | 0.201 | | 4.1 | |
| Pentachlorophenol | 0.128 | 0.146 | | 14.1 | 20.0 |
| Terphenyl-d14 | 1.116 | 1.244 | | 11.5 | |
| 2,3,4,6-Tetrachlorophenol | 0.299 | 0.307 | | 2.7 | |

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.839 | 152 | 406101 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.639 | 136 | 1674497 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 905170 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.209 | 188 | 1699865 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 1491886 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.462 | 264 | 1457823 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 2120899 | 83.155 | ng | | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 2892219 | 80.521 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.998 | 82 | 2724089 | 81.415 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 727459 | 83.145 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 5391582 | 82.051 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.827 | 244 | 7423631 | 89.167 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.310 | 88 | 427123 | 39.098 | ng | | 99 |
| 3) Pyridine | 3.710 | 79 | 1242174m | 38.199 | ng | | |
| 4) n-Nitrosodimethylamine | 3.616 | 42 | 528139 | 35.796 | ng | # | 91 |
| 6) Aniline | 7.169 | 93 | 1232648 | 38.709 | ng | | 99 |
| 8) 2-Chlorophenol | 7.404 | 128 | 1121763 | 39.896 | ng | | 99 |
| 9) Benzaldehyde | 6.975 | 77 | 701465 | 41.071 | ng | | 99 |
| 10) Phenol | 7.028 | 94 | 1416117 | 39.375 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.263 | 93 | 1162925 | 40.276 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.734 | 146 | 1219326 | 39.620 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.875 | 146 | 1232665 | 39.324 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.198 | 146 | 1190334 | 38.586 | ng | | 99 |
| 15) Benzyl Alcohol | 8.075 | 79 | 968822 | 39.820 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.375 | 45 | 1511971 | 37.226 | ng | | 97 |
| 17) 2-Methylphenol | 8.281 | 107 | 897728 | 39.073 | ng | | 98 |
| 18) Hexachloroethane | 8.928 | 117 | 509471 | 40.686 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.651 | 70 | 935365 | 38.623 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 1229549 | 38.353 | ng | | 97 |
| 22) Acetophenone | 8.657 | 105 | 1731710 | 39.336 | ng | # | 99 |
| 24) Nitrobenzene | 9.039 | 77 | 1379554 | 40.125 | ng | | 100 |
| 25) Isophorone | 9.569 | 82 | 2411668 | 40.999 | ng | | 99 |
| 26) 2-Nitrophenol | 9.745 | 139 | 537507 | 45.878 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.810 | 122 | 719860 | 40.532 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.045 | 93 | 1510866 | 40.891 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.280 | 162 | 919700 | 40.760 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.498 | 180 | 1010125 | 39.082 | ng | | 97 |
| 31) Naphthalene | 10.686 | 128 | 3543113 | 39.178 | ng | | 100 |
| 32) Benzoic acid | 9.939 | 122 | 757607 | 43.933 | ng | | 96 |
| 33) 4-Chloroaniline | 10.792 | 127 | 1257482 | 38.458 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.980 | 225 | 563307 | 39.348 | ng | | 98 |
| 35) Caprolactam | 11.563 | 113 | 324237 | 43.628 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.916 | 107 | 1061022 | 41.032 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.298 | 142 | 2319196 | 38.531 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.516 | 142 | 2294073 | 38.352 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 986570 | 40.279 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.657 | 237 | 351029 | 43.840 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.904 | 196 | 663369 | 43.230 | ng | | 100 |

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.974 | 196 | 737007 | 42.523 | ng | 99 |
| 46) | 1,1'-Biphenyl | 13.310 | 154 | 2854654 | 40.533 | ng | 99 |
| 47) | 2-Chloronaphthalene | 13.351 | 162 | 2183481 | 39.928 | ng | 98 |
| 48) | 2-Nitroaniline | 13.545 | 65 | 711483 | 44.296 | ng | 97 |
| 49) | Acenaphthylene | 14.198 | 152 | 3196953 | 40.512 | ng | 100 |
| 50) | Dimethylphthalate | 13.933 | 163 | 2555716 | 41.425 | ng | 100 |
| 51) | 2,6-Dinitrotoluene | 14.039 | 165 | 557553 | 42.810 | ng | 96 |
| 52) | Acenaphthene | 14.539 | 154 | 2262183 | 40.913 | ng | 99 |
| 53) | 3-Nitroaniline | 14.368 | 138 | 628518 | 43.417 | ng | 99 |
| 54) | 2,4-Dinitrophenol | 14.568 | 184 | 269954 | 45.515 | ng | 99 |
| 55) | Dibenzofuran | 14.868 | 168 | 3060184 | 39.385 | ng | 97 |
| 56) | 4-Nitrophenol | 14.668 | 139 | 526372 | 44.188 | ng | 99 |
| 57) | 2,4-Dinitrotoluene | 14.827 | 165 | 748179 | 43.073 | ng | 97 |
| 58) | Fluorene | 15.521 | 166 | 2798113 | 39.999 | ng | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.092 | 232 | 556061 | 41.149 | ng | 96 |
| 60) | Diethylphthalate | 15.298 | 149 | 2844419 | 43.320 | ng | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.515 | 204 | 1260842 | 39.419 | ng | 100 |
| 62) | 4-Nitroaniline | 15.527 | 138 | 728904 | 42.836 | ng | 99 |
| 63) | Azobenzene | 15.804 | 77 | 3033161 | 41.953 | ng | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 15.586 | 198 | 353810 | 41.931 | ng | 95 |
| 66) | n-Nitrosodiphenylamine | 15.727 | 169 | 2087242 | 40.138 | ng | 100 |
| 67) | 4-Bromophenyl-phenylether | 16.404 | 248 | 651816 | 39.463 | ng | 97 |
| 68) | Hexachlorobenzene | 16.521 | 284 | 740115 | 39.554 | ng | 97 |
| 69) | Atrazine | 16.674 | 200 | 482956 | 33.602 | ng | 100 |
| 70) | Pentachlorophenol | 16.857 | 266 | 495121 | 45.647 | ng | 100 |
| 71) | Phenanthrene | 17.251 | 178 | 3679120 | 39.274 | ng | 100 |
| 72) | Anthracene | 17.339 | 178 | 3599776 | 39.996 | ng | 100 |
| 73) | Carbazole | 17.604 | 167 | 3623444 | 40.624 | ng | 99 |
| 74) | Di-n-butylphthalate | 18.180 | 149 | 5028415 | 47.117 | ng | 100 |
| 75) | Fluoranthene | 19.256 | 202 | 4186947 | 40.964 | ng | 97 |
| 77) | Benzidine | 19.439 | 184 | 1382959 | 65.820 | ng | 99 |
| 78) | Pyrene | 19.621 | 202 | 4397965 | 40.414 | ng | 100 |
| 80) | Butylbenzylphthalate | 20.515 | 149 | 2177713 | 51.985 | ng | 97 |
| 81) | Benzo(a)anthracene | 21.415 | 228 | 3987184 | 41.003 | ng | 100 |
| 82) | 3,3'-Dichlorobenzidine | 21.339 | 252 | 1405001 | 54.316 | ng | 99 |
| 83) | Chrysene | 21.480 | 228 | 3730252 | 40.556 | ng | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.350 | 149 | 3539026 | 53.928 | ng | 99 |
| 85) | Di-n-octyl phthalate | 22.491 | 149 | 5614359 | 60.483 | ng | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 27.885 | 276 | 3952483 | 45.304 | ng | 99 |
| 88) | Benzo(b)fluoranthene | 23.509 | 252 | 3785873 | 40.137 | ng | 99 |
| 89) | Benzo(k)fluoranthene | 23.568 | 252 | 3675308 | 39.316 | ng | 99 |
| 90) | Benzo(a)pyrene | 24.321 | 252 | 3150288 | 40.750 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 27.944 | 278 | 3306709 | 45.050 | ng | 99 |
| 92) | Benzo(g,h,i)perylene | 28.950 | 276 | 3248885 | 45.311 | ng | 99 |

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

Sample Results: **BM047566.D**

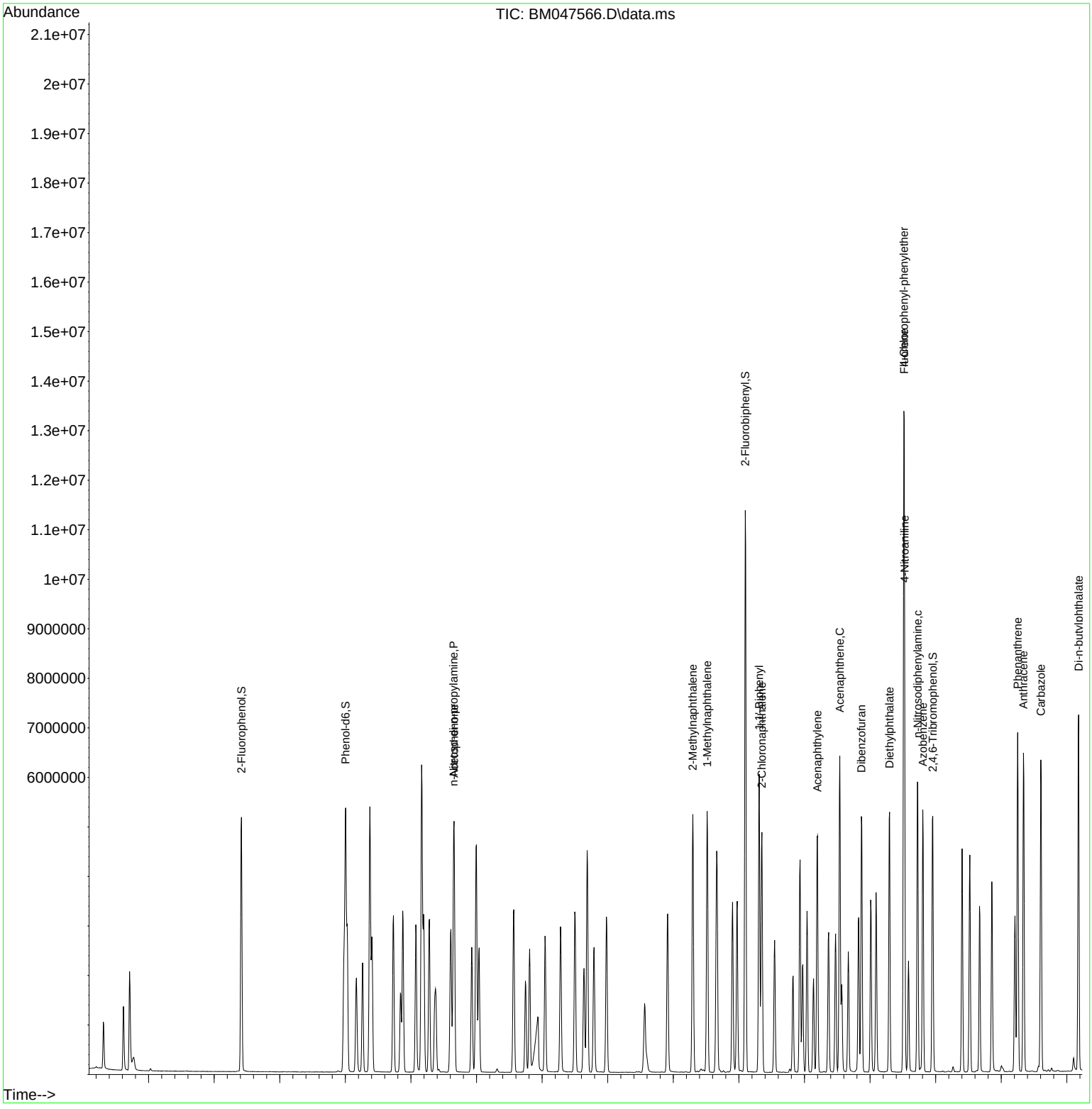
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



Sample Results: **BM047566.D**

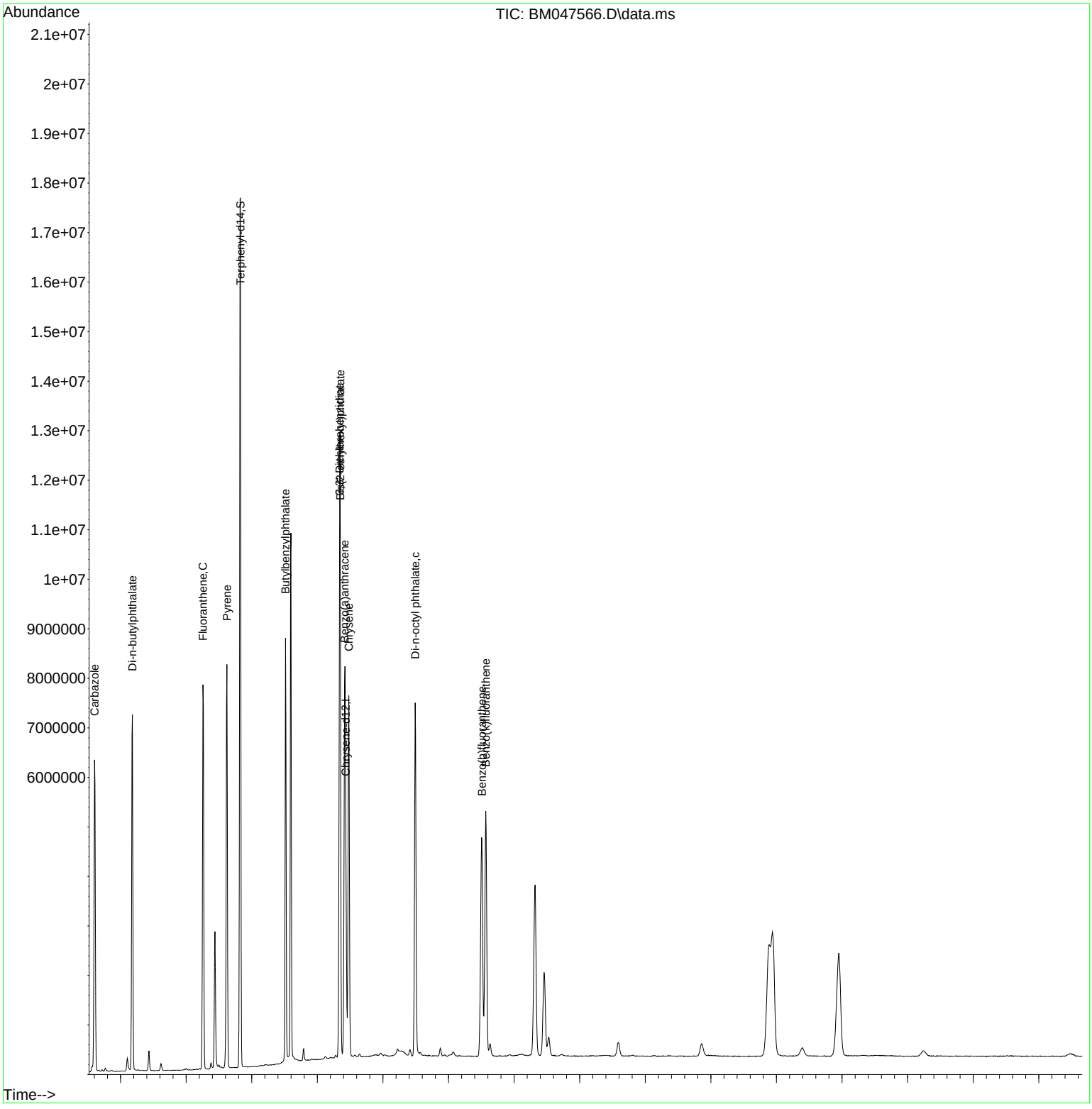
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

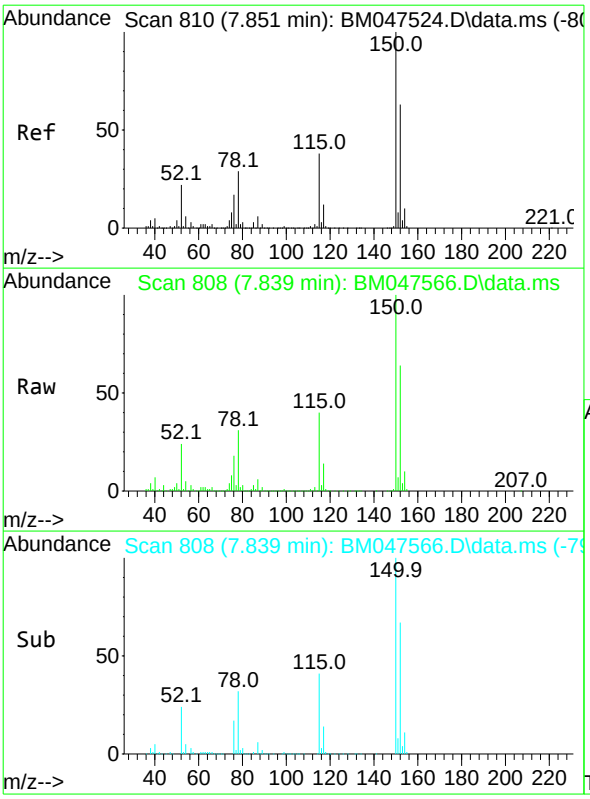
Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

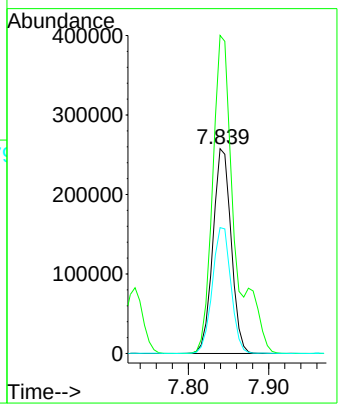





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:152 Resp: 406101

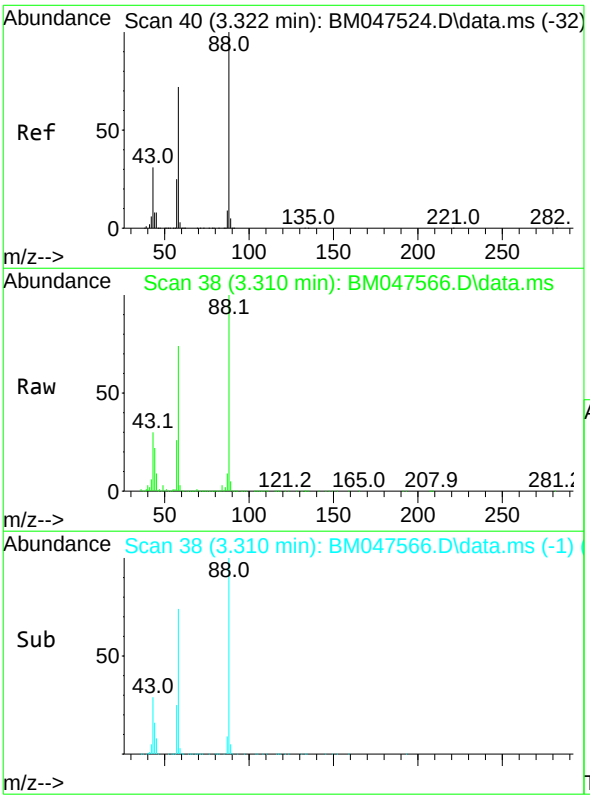
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.3 | 126.8 | 190.2 |
| 115 | 61.5 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

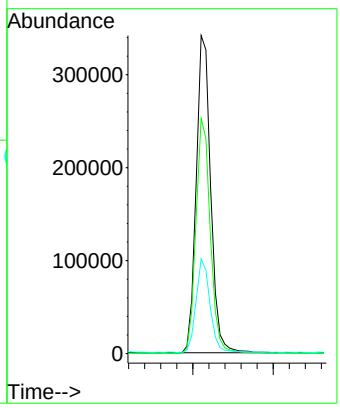
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

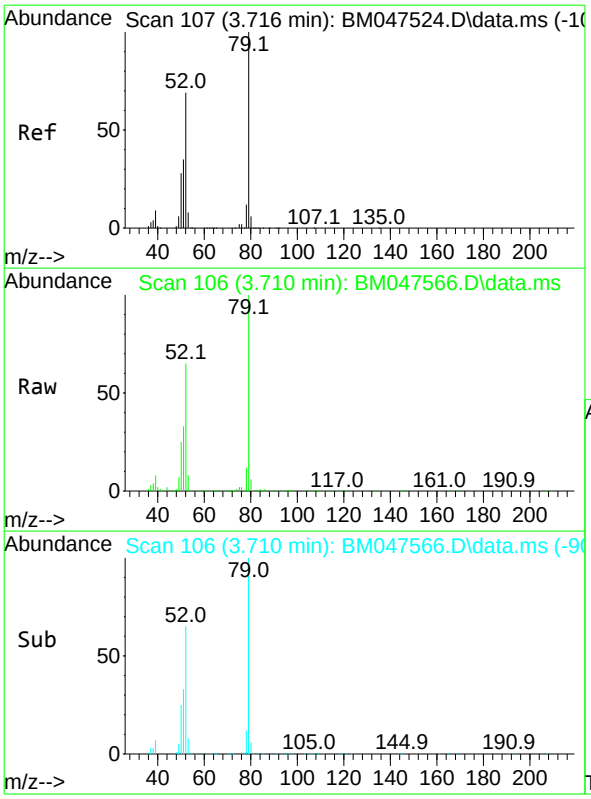



#2
1,4-Dioxane
Concen: 39.098 ng
RT: 3.310 min Scan# 38
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 88 Resp: 427123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.1 | 59.0 | 88.6 |
| 43 | 29.0 | 25.0 | 37.4 |

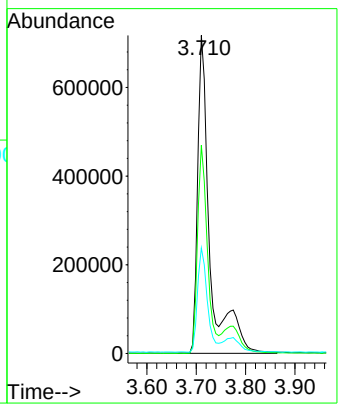





#3
Pyridine
Concen: 38.199 ng m
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 79 Resp: 1242174

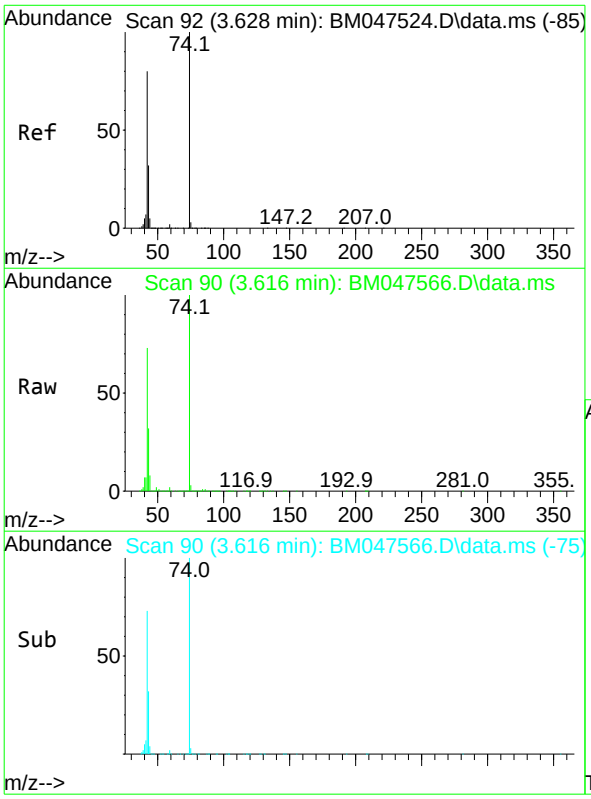
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.5 | 55.4 | 83.0 |
| 51 | 33.2 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

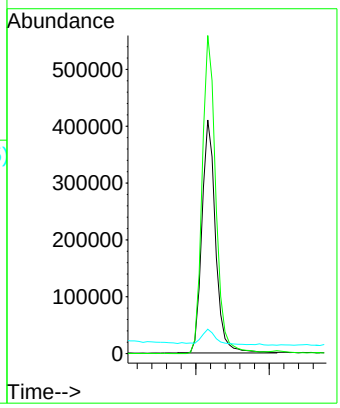
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

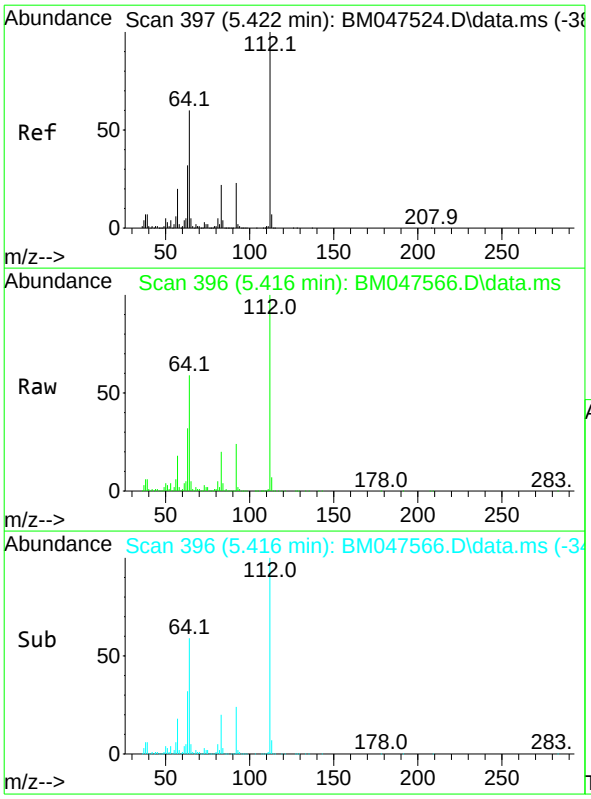



#4
n-Nitrosodimethylamine
Concen: 35.796 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 42 Resp: 528139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 136.1 | 100.5 | 150.7 |
| 44 | 10.4 | 6.9 | 10.3# |






#5
2-Fluorophenol
Concen: 83.155 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

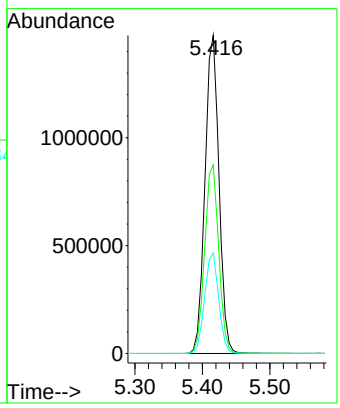
Tgt Ion:112 Resp: 2120899

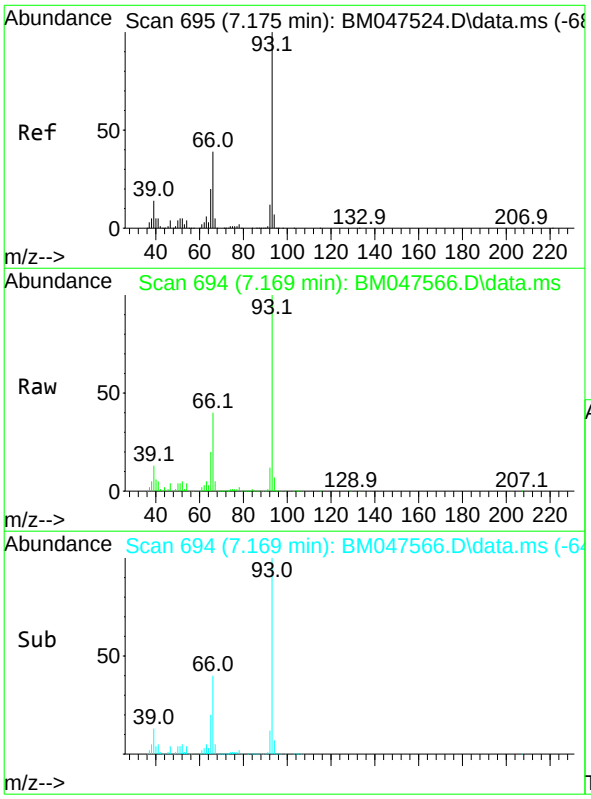
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.3 | 48.2 | 72.4 |
| 63 | 31.6 | 26.0 | 39.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

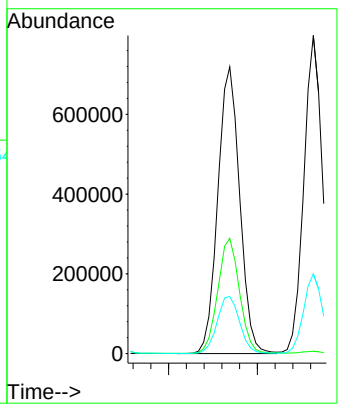


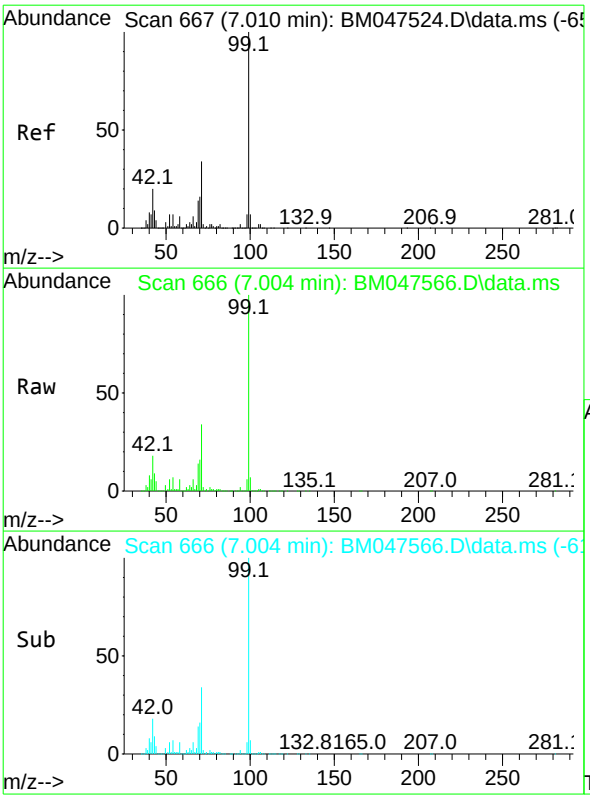




#6
Aniline
Concen: 38.709 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1232648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.2 | 31.4 | 47.0 |
| 65 | 19.9 | 16.3 | 24.5 |

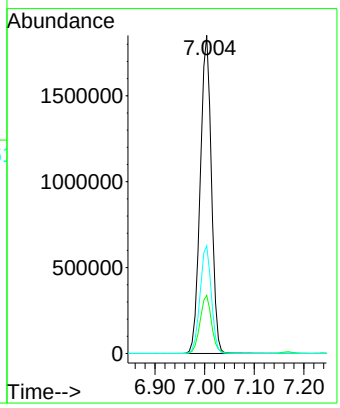





#7
Phenol-d6
Concen: 80.521 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 99 Resp: 2892219

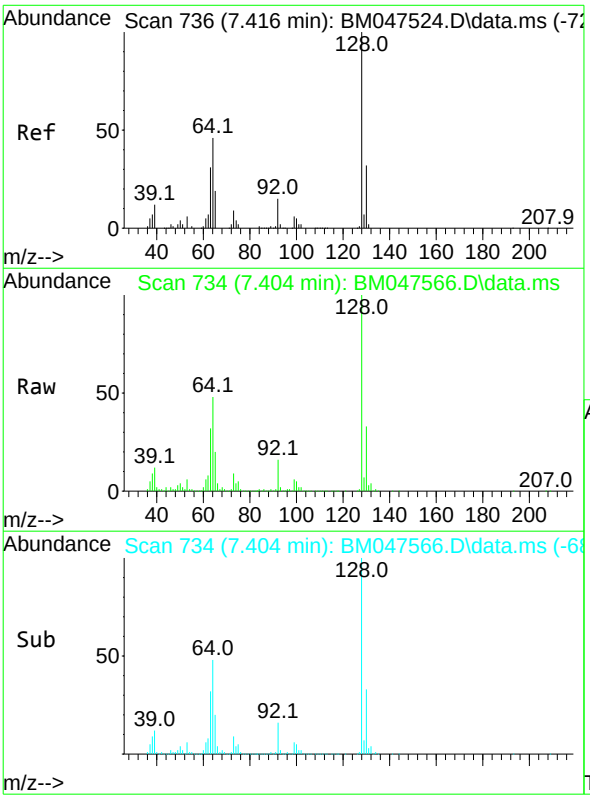
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.8 | 23.8 |
| 71 | 33.9 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

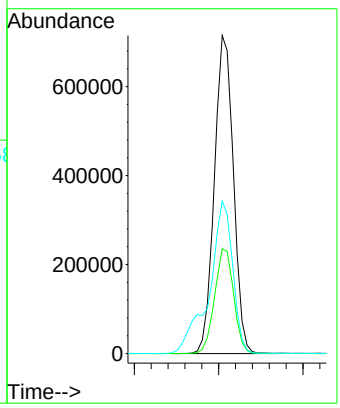
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

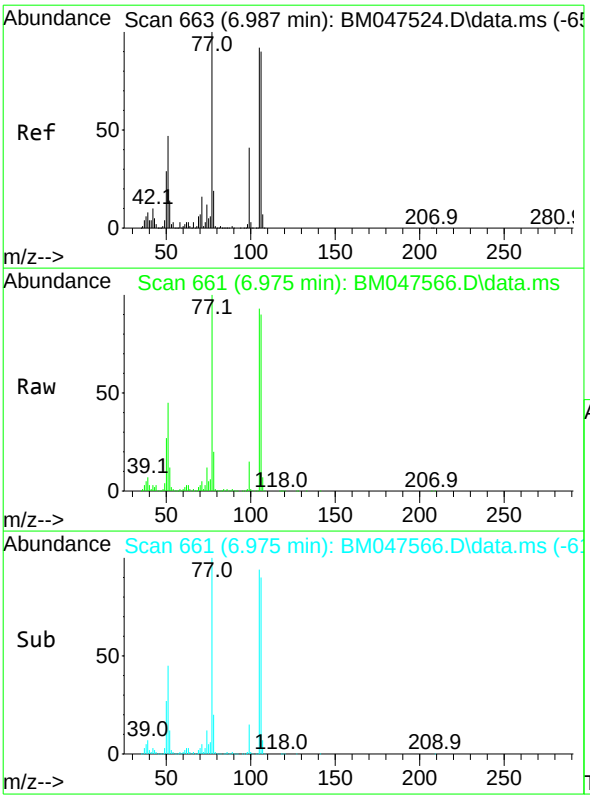



#8
2-Chlorophenol
Concen: 39.896 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:128 Resp: 1121763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 11.8 | 51.8 |
| 64 | 48.0 | 27.6 | 67.6 |

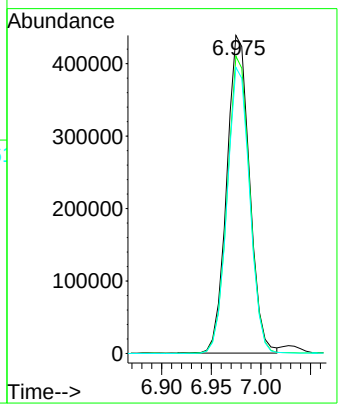





#9
Benzaldehyde
Concen: 41.071 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 701465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 93.5 | 71.8 | 111.8 |
| 106 | 90.0 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
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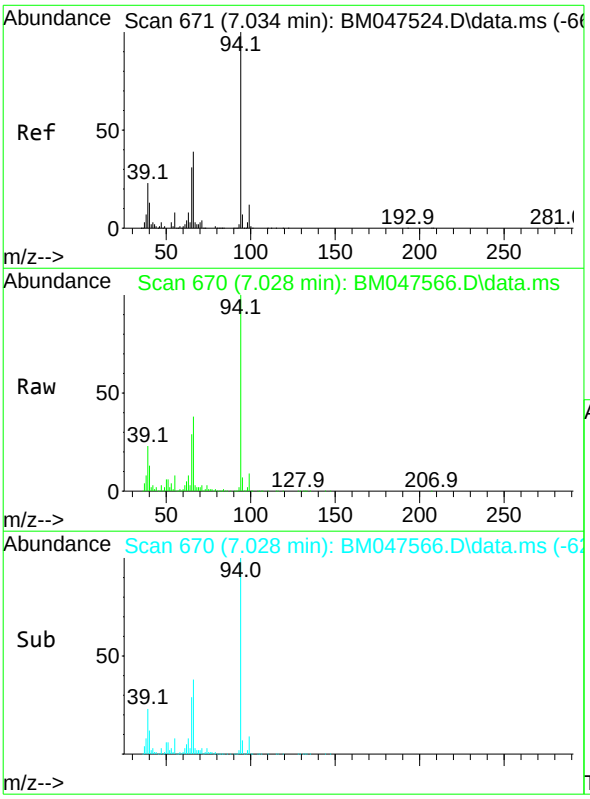
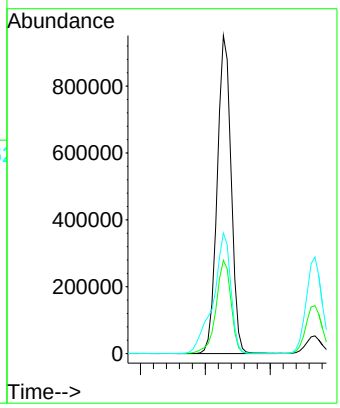
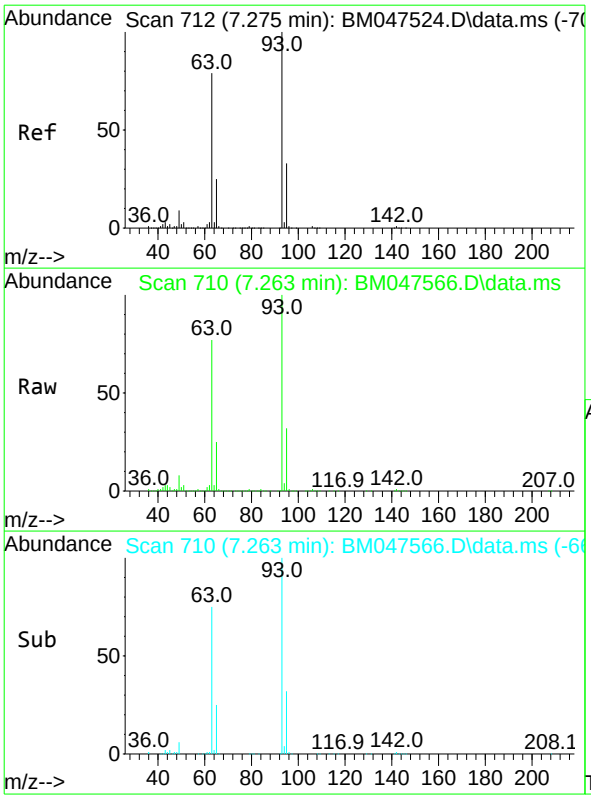



#10
Phenol
Concen: 39.375 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 94 Resp: 1416117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.3 | 10.8 | 50.8 |
| 66 | 37.9 | 19.2 | 59.2 |

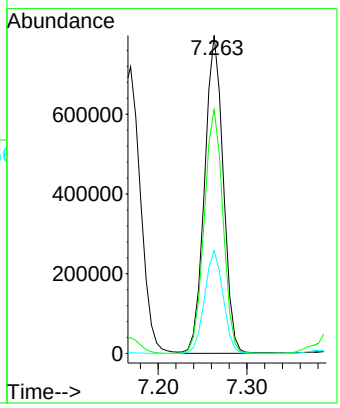





#11
bis(2-Chloroethyl)ether
Concen: 40.276 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1162925

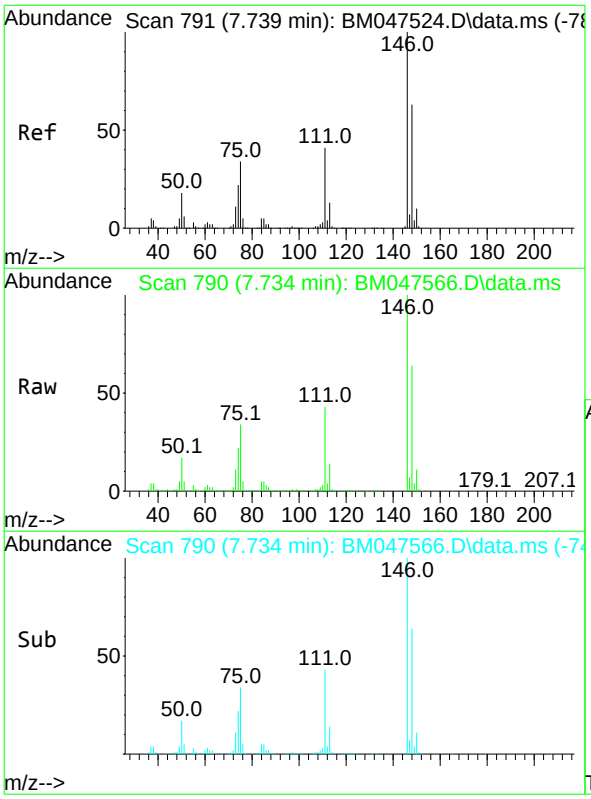
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.7 | 58.2 | 98.2 |
| 95 | 32.3 | 12.8 | 52.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

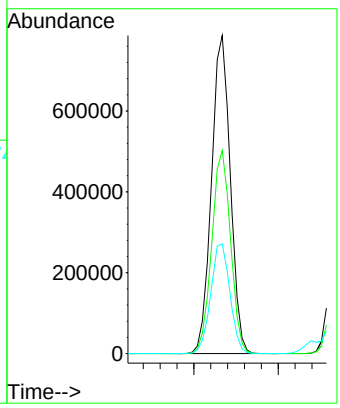
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

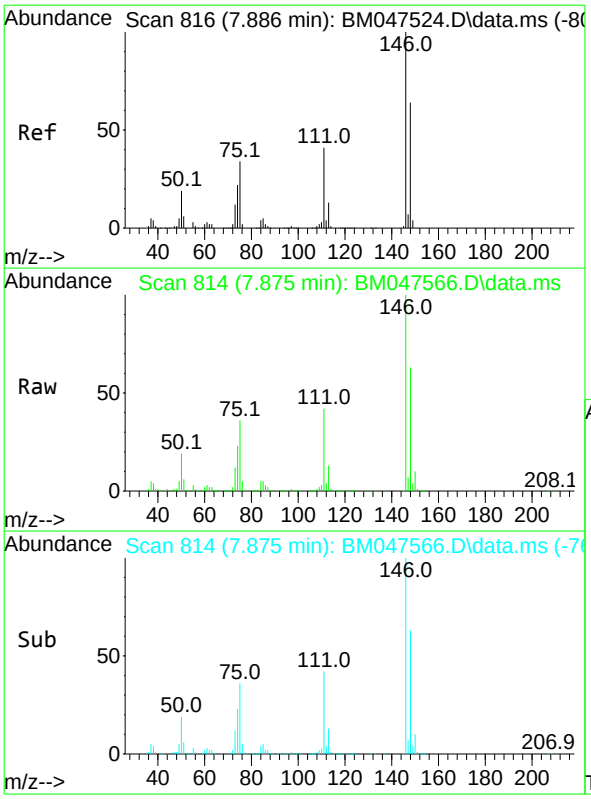



#12
1,3-Dichlorobenzene
Concen: 39.620 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1219326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.2 | 75.4 |
| 75 | 34.5 | 27.4 | 41.0 |






#13
1,4-Dichlorobenzene
Concen: 39.324 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1232665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.3 | 76.9 |
| 111 | 42.5 | 32.9 | 49.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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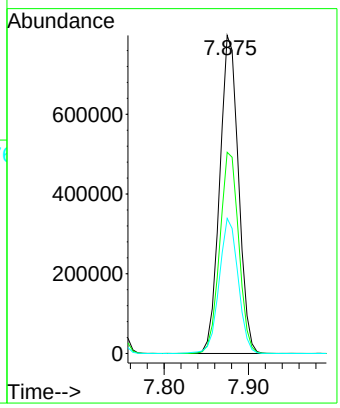
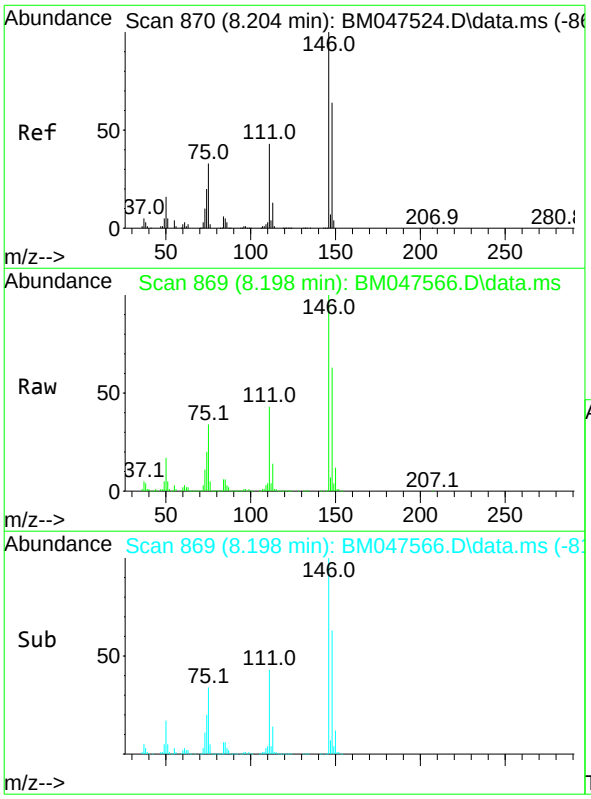
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

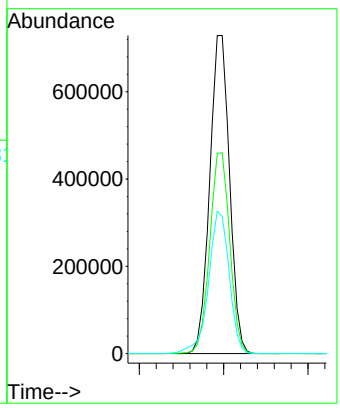


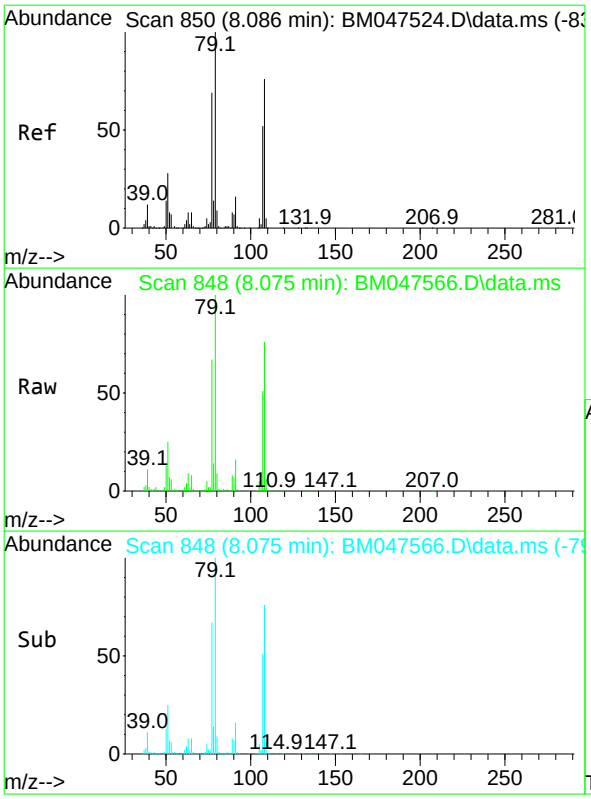




#14
1,2-Dichlorobenzene
Concen: 38.586 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:146 Resp: 1190334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 51.1 | 76.7 |
| 111 | 43.1 | 34.7 | 52.1 |

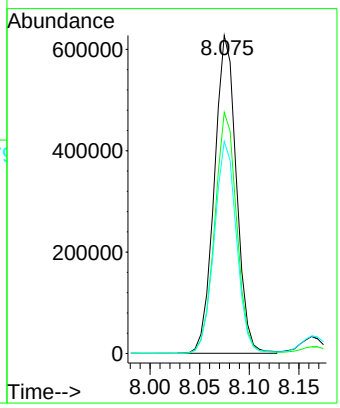





#15
Benzyl Alcohol
Concen: 39.820 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 79 Resp: 968822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.8 | 60.6 | 91.0 |
| 77 | 66.7 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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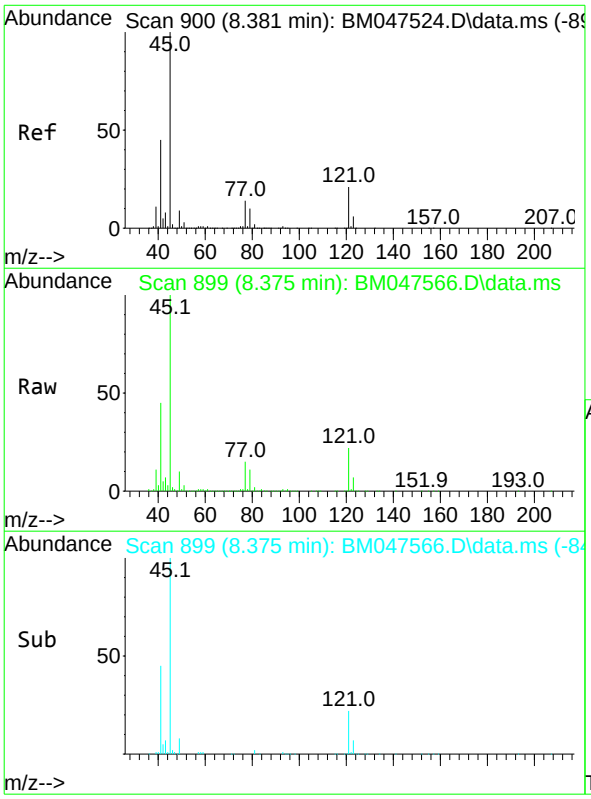
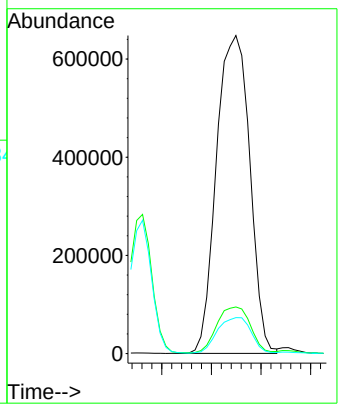
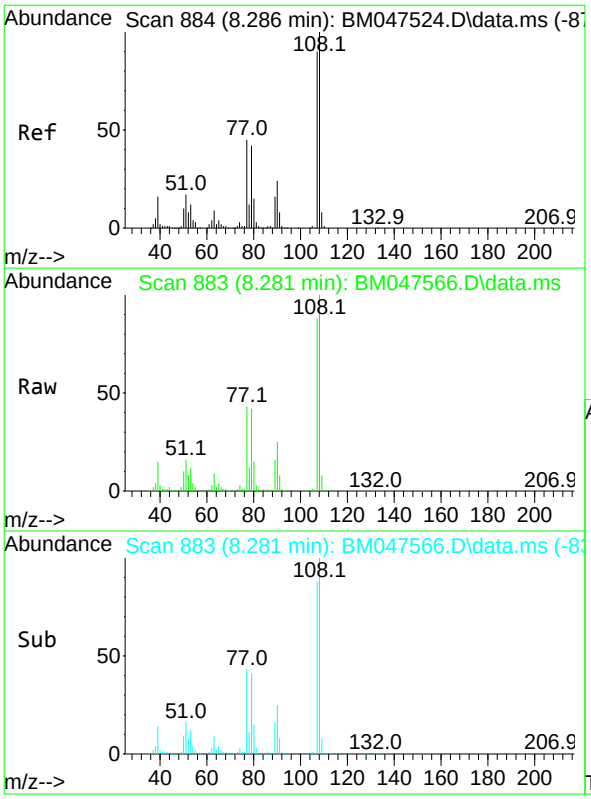



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.226 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 45 Resp: 1511971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.7 | 0.0 | 33.7 |
| 79 | 11.3 | 0.0 | 30.3 |

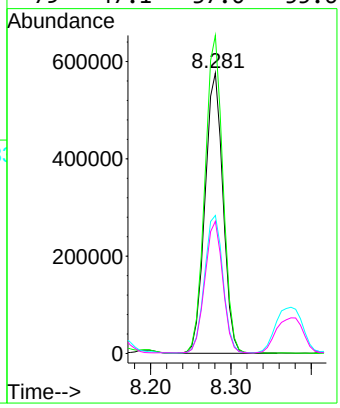





#17
2-Methylphenol
Concen: 39.073 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 897728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 88.9 | 133.3 |
| 77 | 49.2 | 39.8 | 59.8 |
| 79 | 47.1 | 37.0 | 55.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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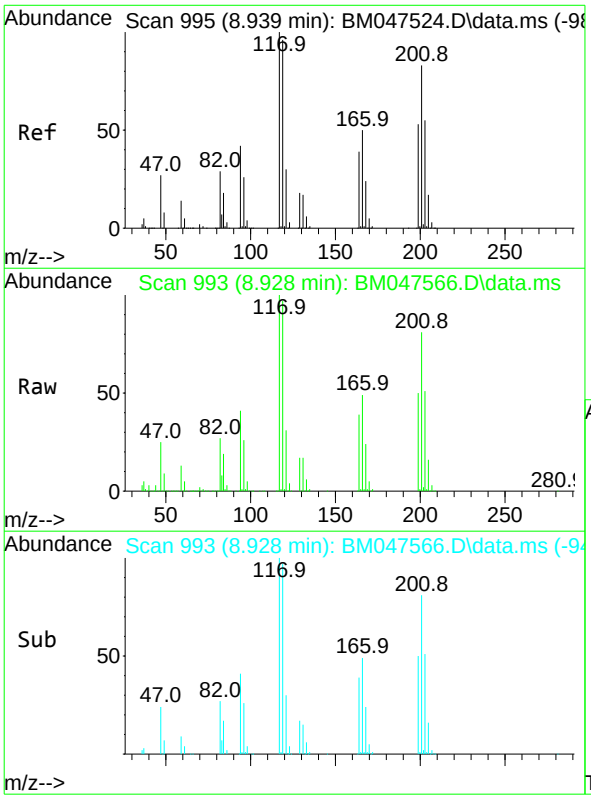
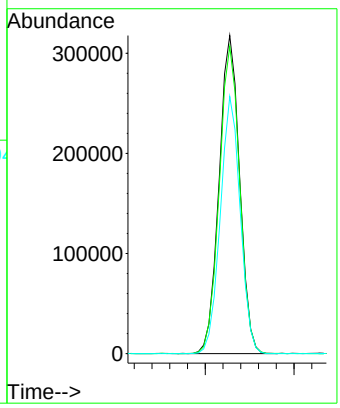
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

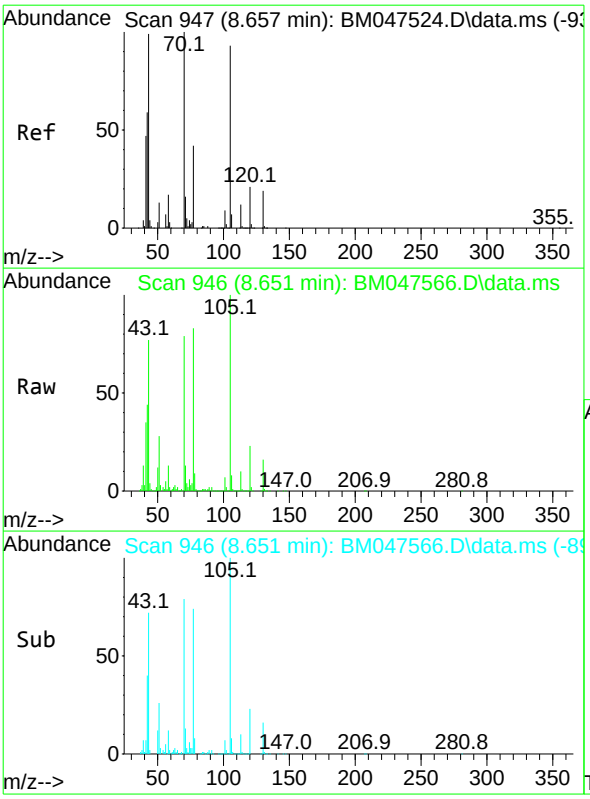



#18
Hexachloroethane
Concen: 40.686 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:117 Resp: 509471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 77.0 | 115.4 |
| 201 | 80.8 | 66.8 | 100.2 |

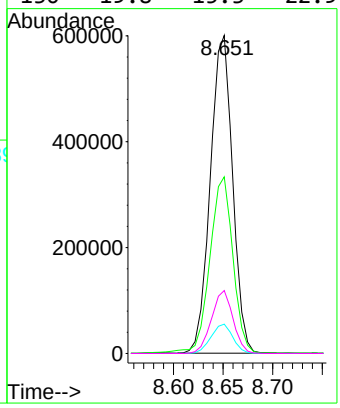





#19
n-Nitroso-di-n-propylamine
Concen: 38.623 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 70 Resp: 935365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.5 | 48.2 | 72.2 |
| 101 | 9.2 | 7.0 | 10.4 |
| 130 | 19.8 | 15.3 | 22.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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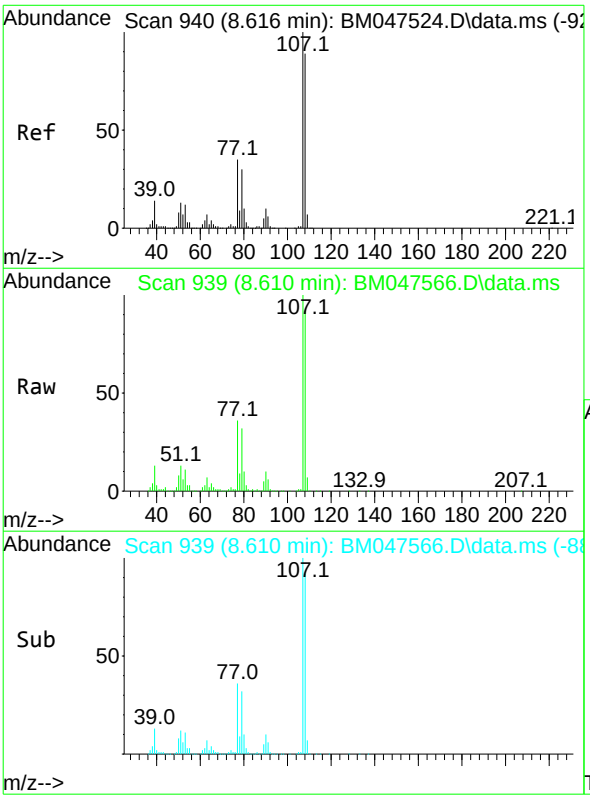
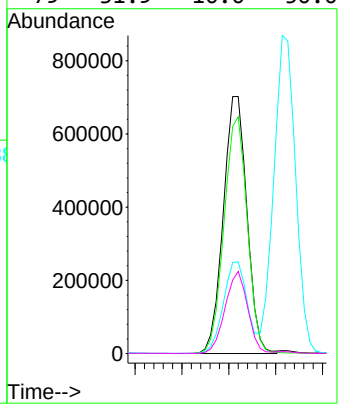
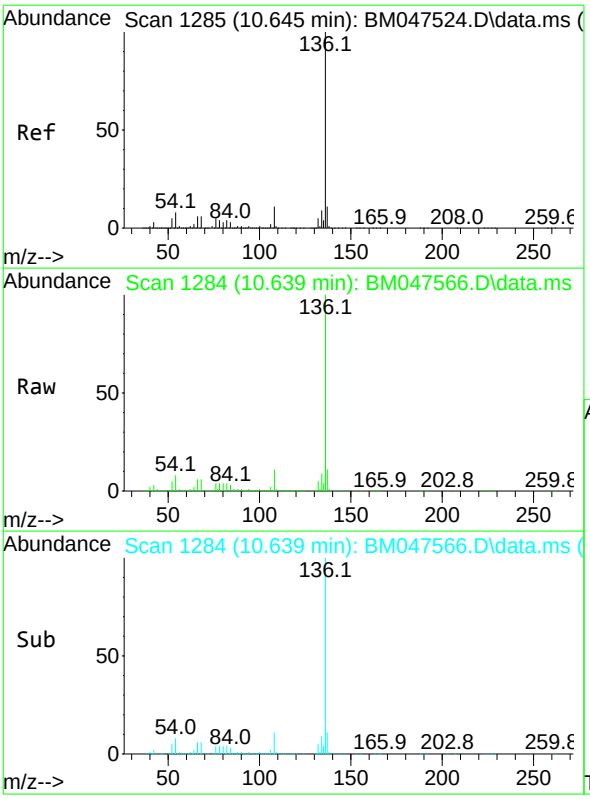



#20
3+4-Methylphenols
Concen: 38.353 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 1229549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.1 | 68.9 | 108.9 |
| 77 | 35.7 | 15.5 | 55.5 |
| 79 | 31.9 | 10.0 | 50.0 |






#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1674497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 7.9 | 6.6 | 9.8 |
| 68 | 6.1 | 4.9 | 7.3 |

**Manual Integrations**
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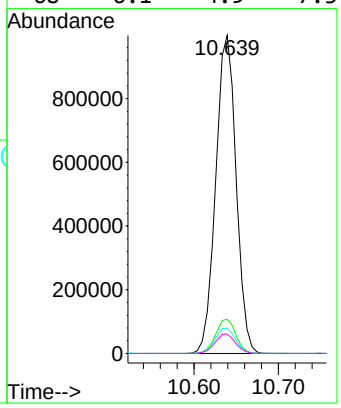
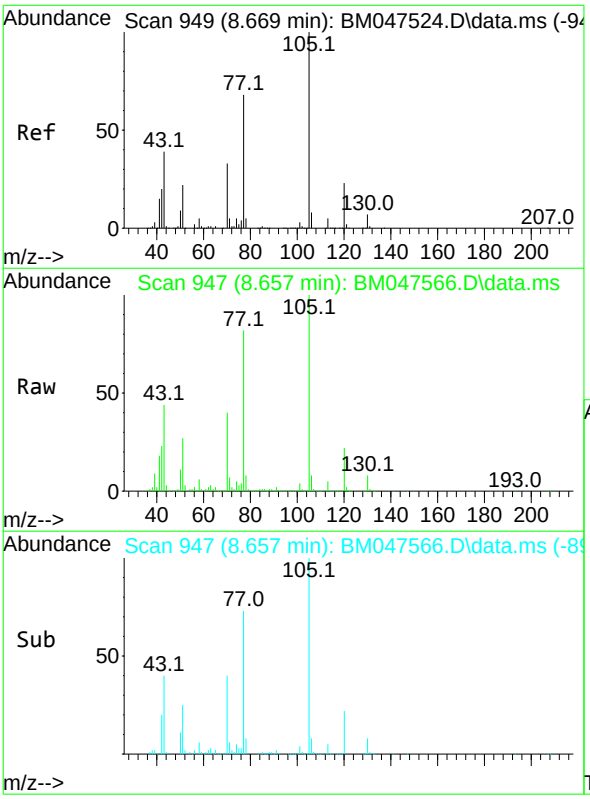
Supervised By :mohammad ahmed 09/22/2024

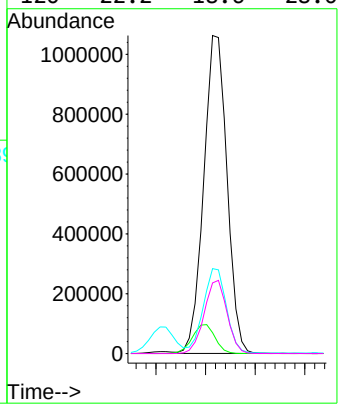


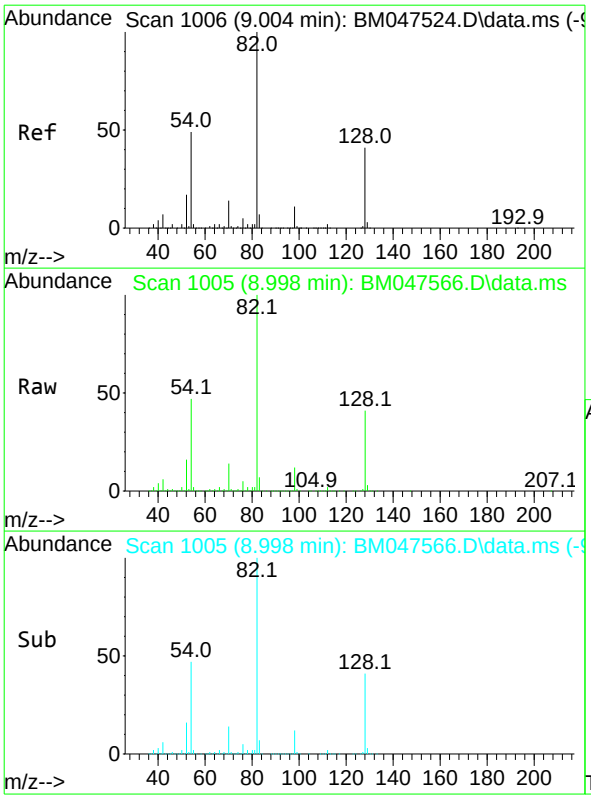




#22
Acetophenone
Concen: 39.336 ng
RT: 8.657 min Scan# 947
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:105 Resp: 1731710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 4.3 | 6.5# |
| 51 | 26.7 | 21.5 | 32.3 |
| 120 | 22.2 | 18.6 | 28.0 |

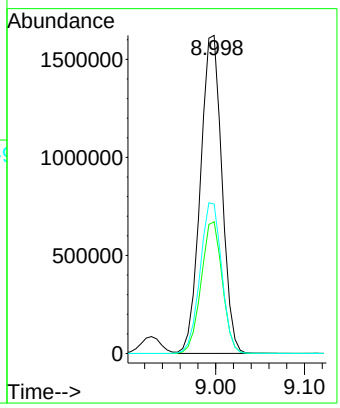





#23
Nitrobenzene-d5
Concen: 81.415 ng
RT: 8.998 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 82 Resp: 2724089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.4 | 33.0 | 49.4 |
| 54 | 47.0 | 39.3 | 58.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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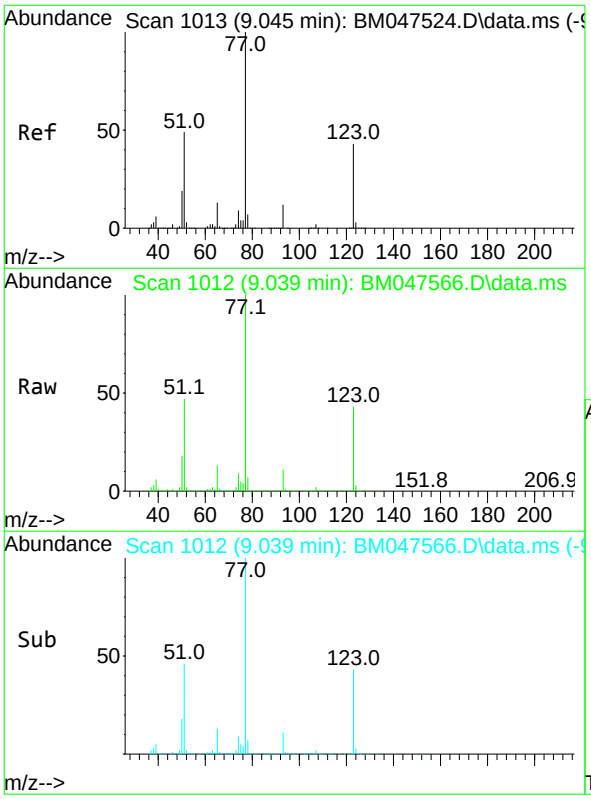
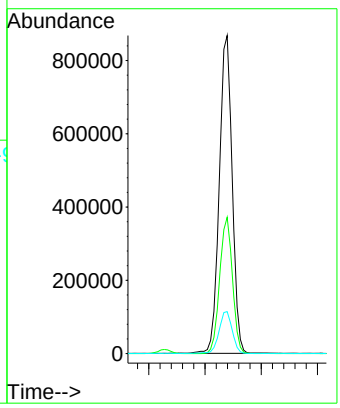
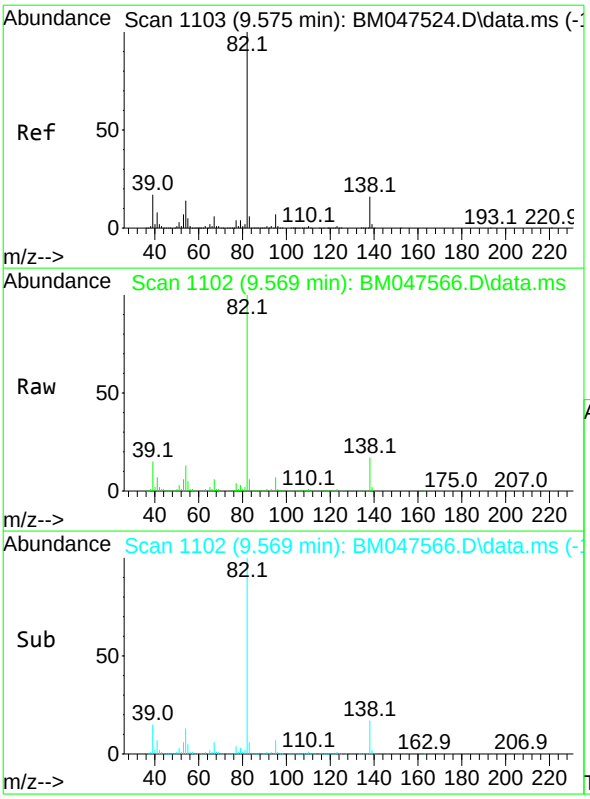



#24
Nitrobenzene
Concen: 40.125 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 1379554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.9 | 34.5 | 51.7 |
| 65 | 13.2 | 10.7 | 16.1 |






#25
Isophorone
Concen: 40.999 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 2411668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.4 | 8.0 |
| 138 | 16.6 | 12.9 | 19.3 |

**Manual Integrations**
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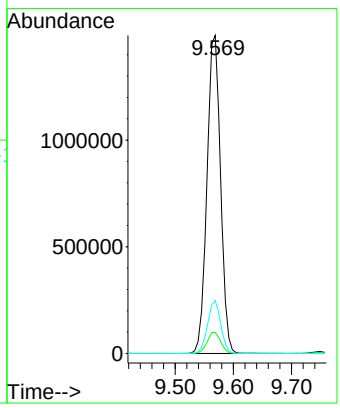
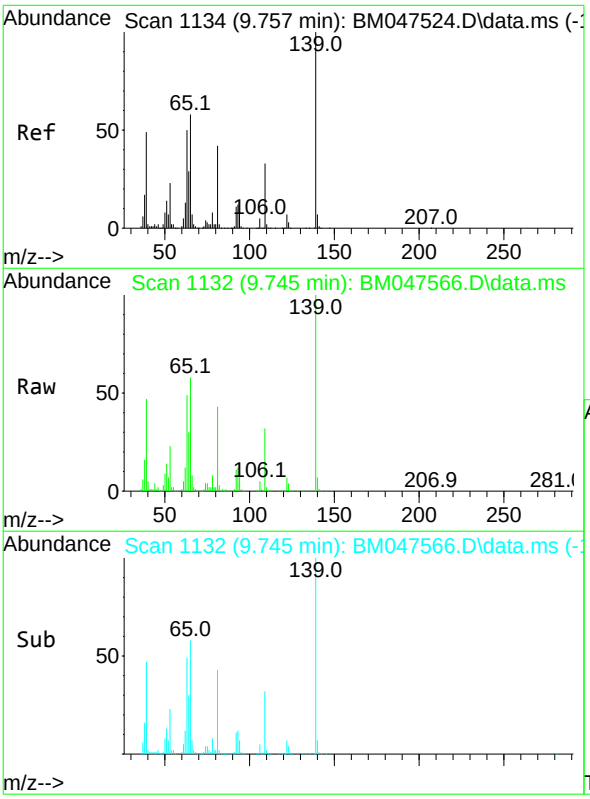
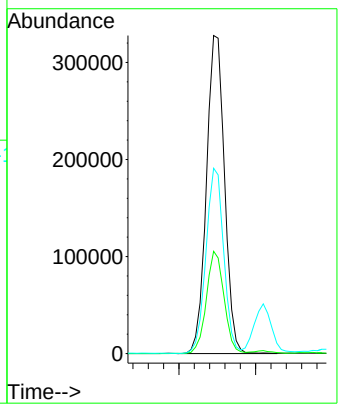


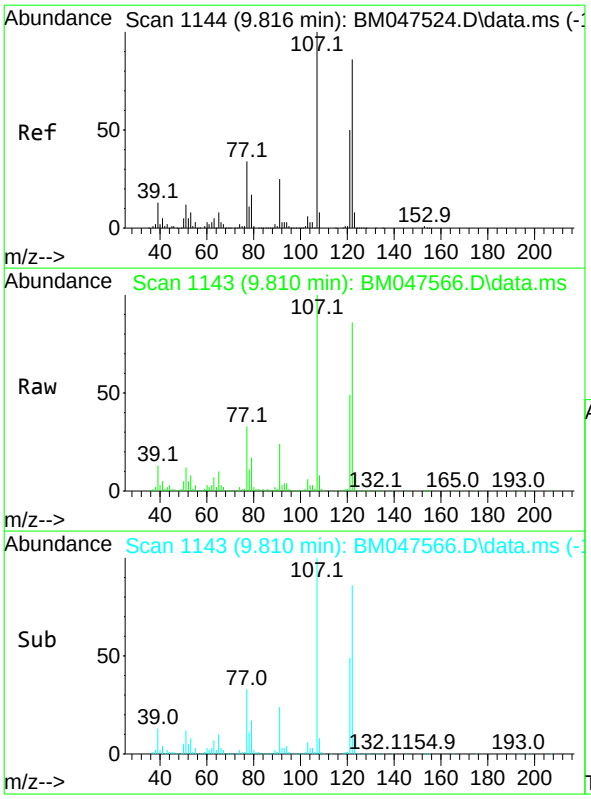




#26
2-Nitrophenol
Concen: 45.878 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:139 Resp: 537507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.2 | 26.0 | 39.0 |
| 65 | 58.3 | 46.2 | 69.4 |






#27
2,4-Dimethylphenol
Concen: 40.532 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:122 Resp: 719860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 92.4 | 138.6 |
| 121 | 57.1 | 46.2 | 69.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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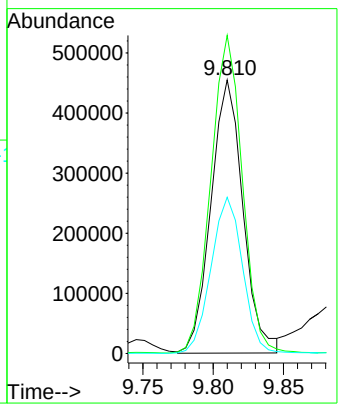
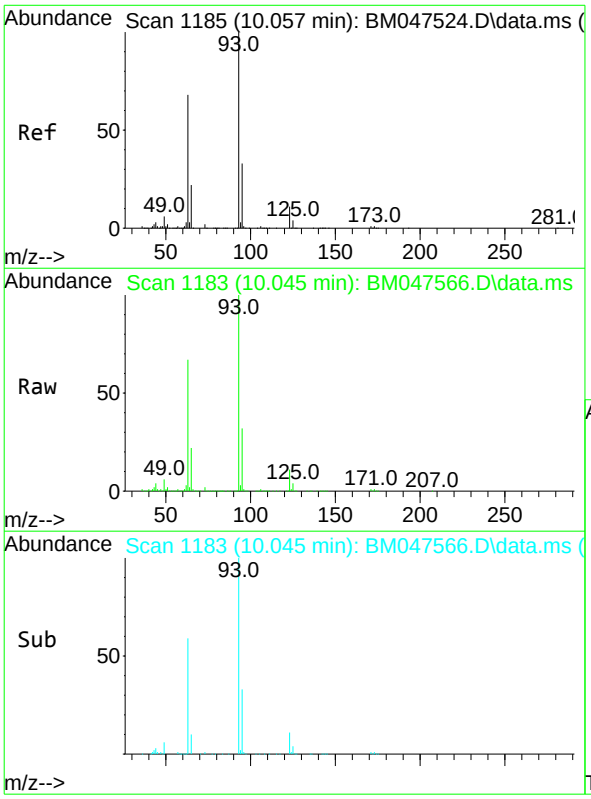
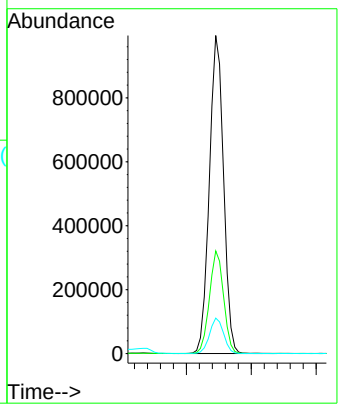


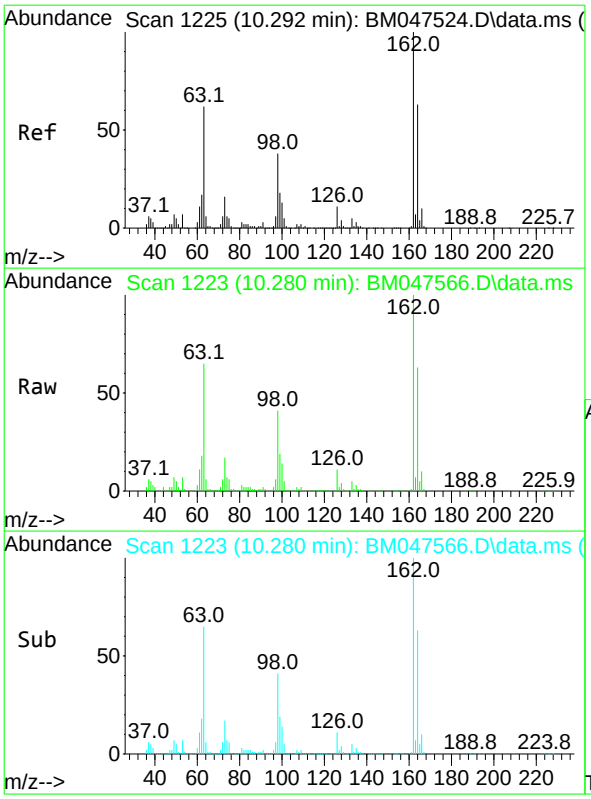




#28
bis(2-Chloroethoxy)methane
Concen: 40.891 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 93 Resp: 1510866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.2 |
| 123 | 11.2 | 9.2 | 13.8 |






#29
2,4-Dichlorophenol
Concen: 40.760 ng
RT: 10.280 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:162 Resp: 919700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 43.5 | 83.5 |
| 98 | 40.8 | 17.6 | 57.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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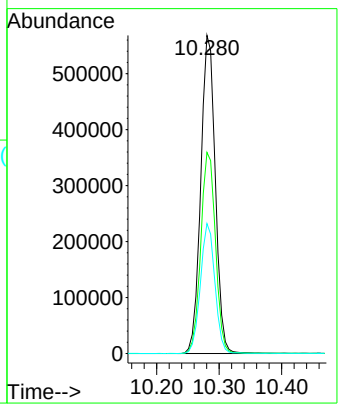
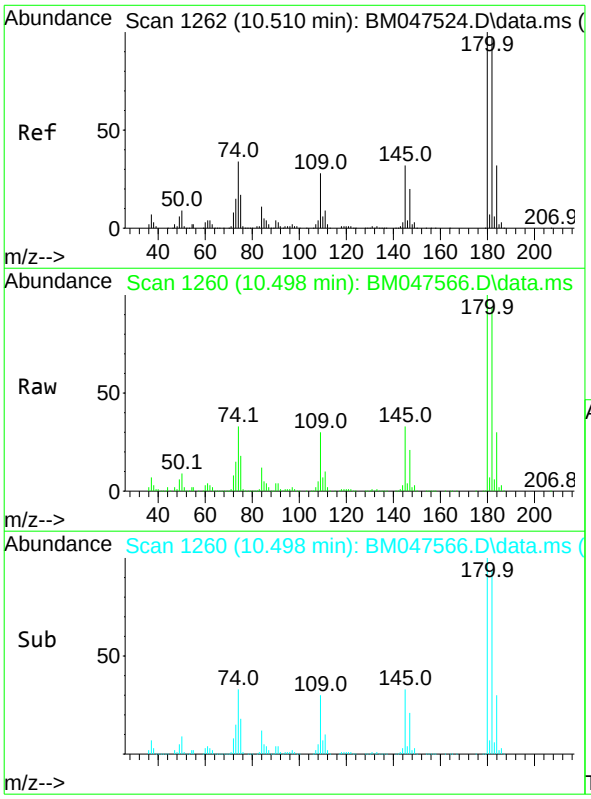
Supervised By :mohammad ahmed 09/22/2024

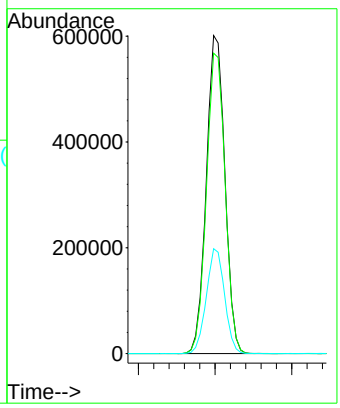


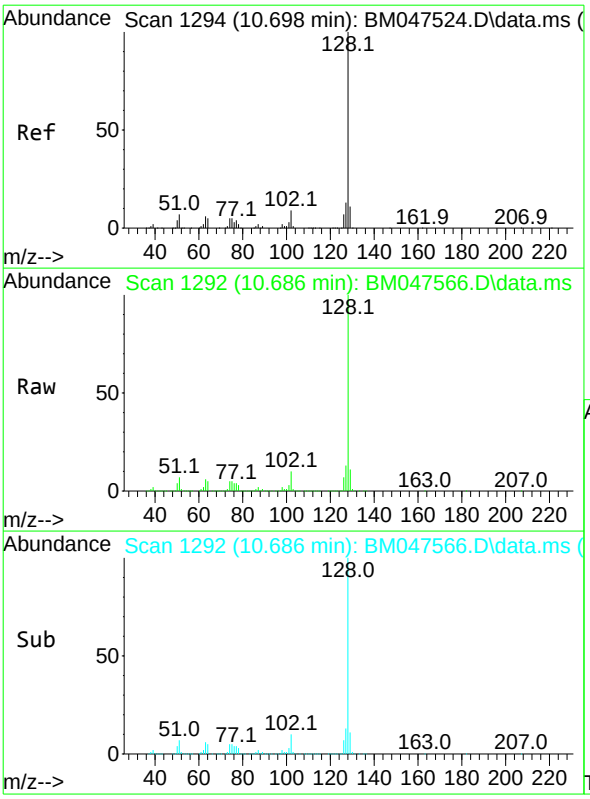




#30
1,2,4-Trichlorobenzene
Concen: 39.082 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:180 Resp: 1010125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 77.6 | 116.4 |
| 145 | 33.0 | 25.4 | 38.0 |






#31
Naphthalene
Concen: 39.178 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:128 Resp: 3543113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.7 | 13.1 |
| 127 | 13.0 | 10.5 | 15.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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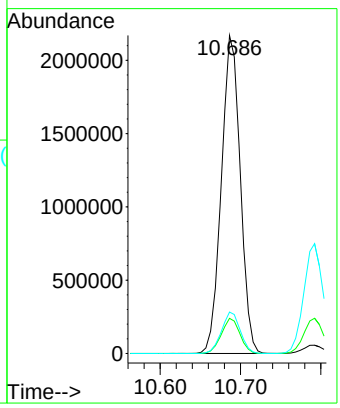
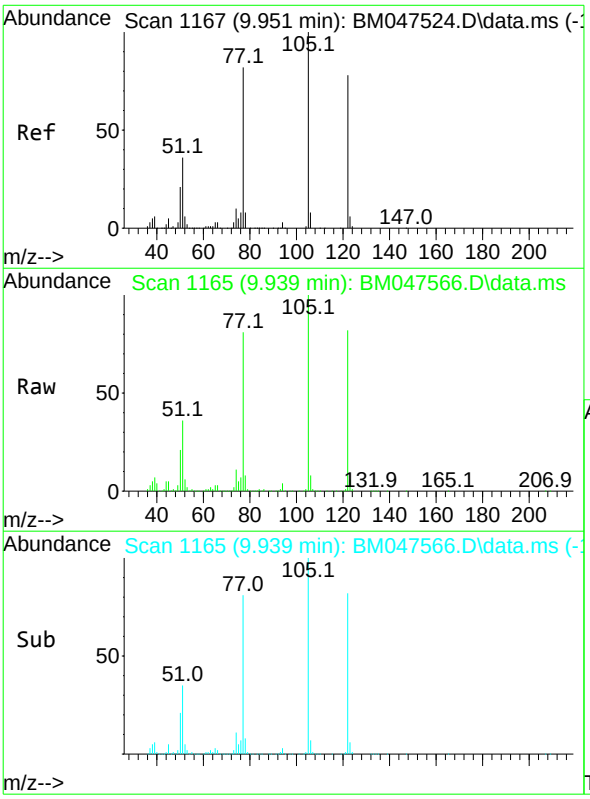
Supervised By :mohammad ahmed 09/22/2024

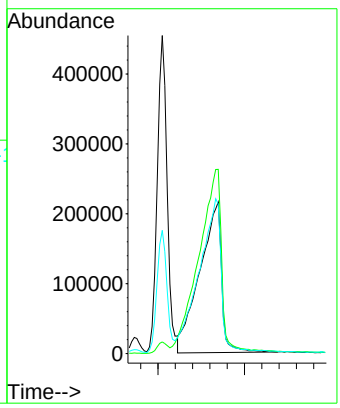


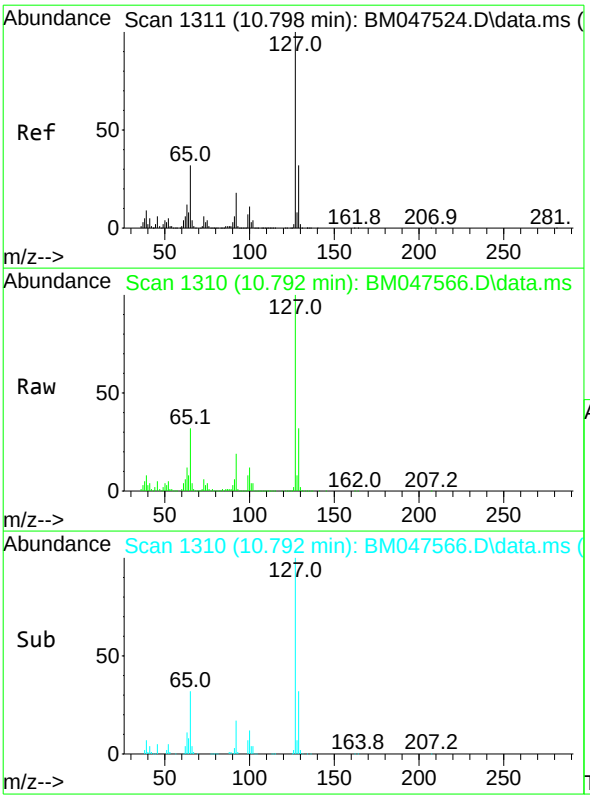




#32
Benzoic acid
Concen: 43.933 ng
RT: 9.939 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:122 Resp: 757607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.6 | 104.7 | 144.7 |
| 77 | 98.6 | 83.4 | 123.4 |






#33
4-Chloroaniline
Concen: 38.458 ng
RT: 10.792 min Scan# 13
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 1257482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.4 | 38.0 |
| 65 | 32.3 | 25.5 | 38.3 |
| 92 | 18.5 | 14.8 | 22.2 |

**Manual Integrations**
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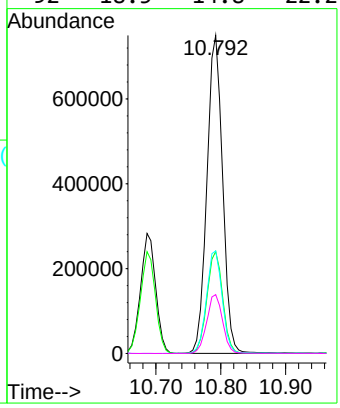
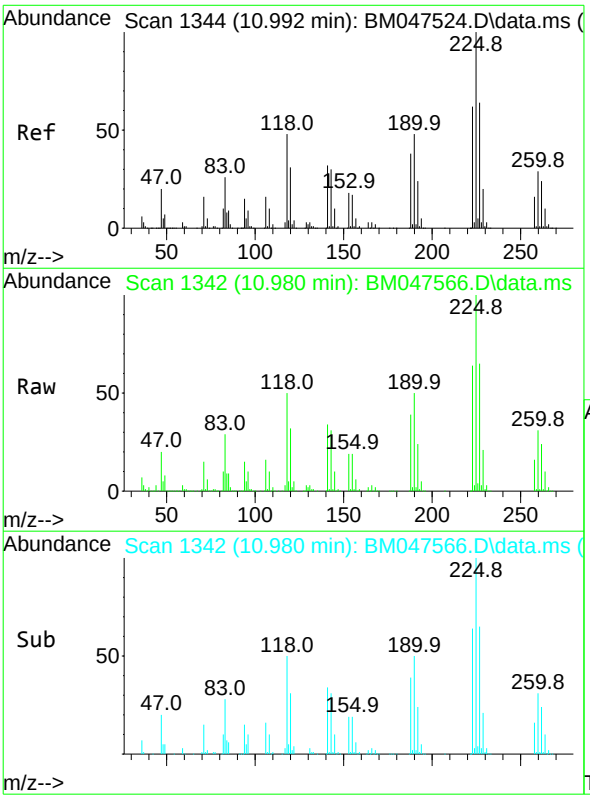
Supervised By :mohammad ahmed 09/22/2024

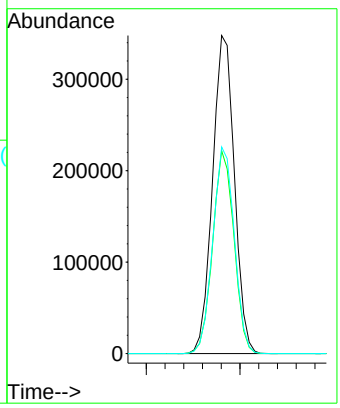


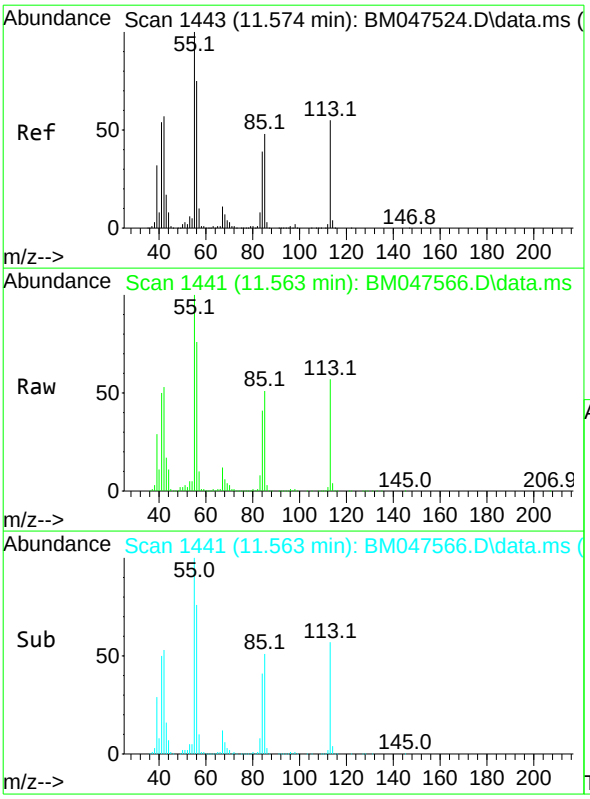




#34
Hexachlorobutadiene
Concen: 39.348 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:225 Resp: 563307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 49.8 | 74.6 |
| 227 | 65.0 | 51.0 | 76.4 |

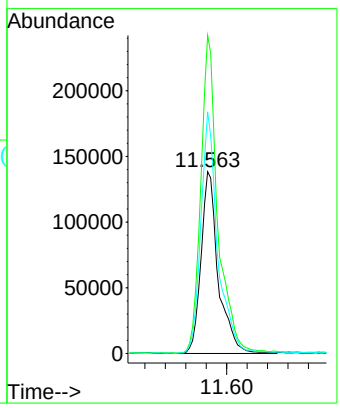





#35
Caprolactam
Concen: 43.628 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:113 Resp: 324237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 175.0 | 162.5 | 202.5 |
| 56 | 133.0 | 116.5 | 156.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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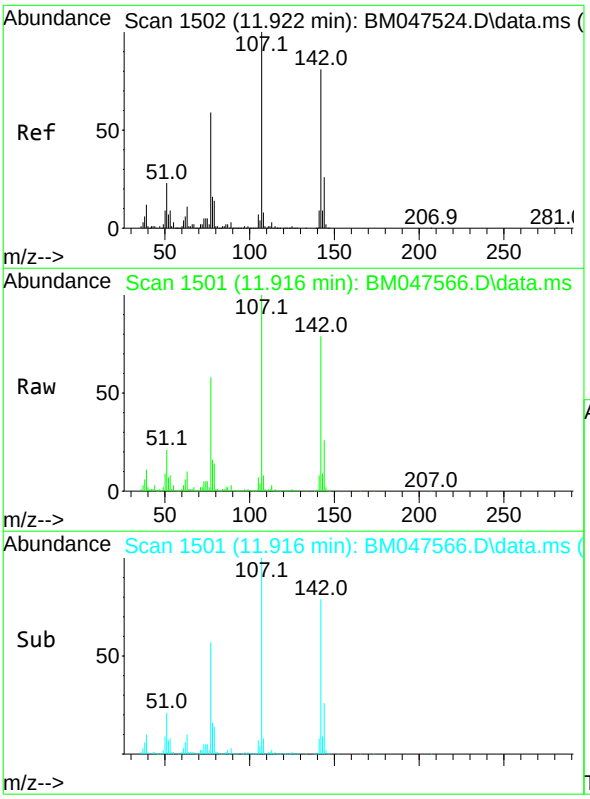
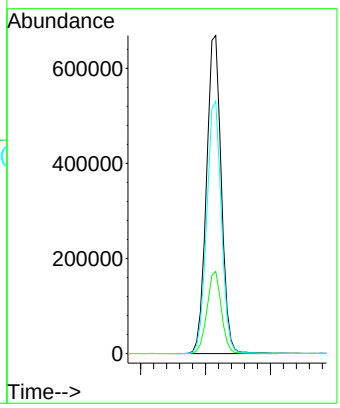
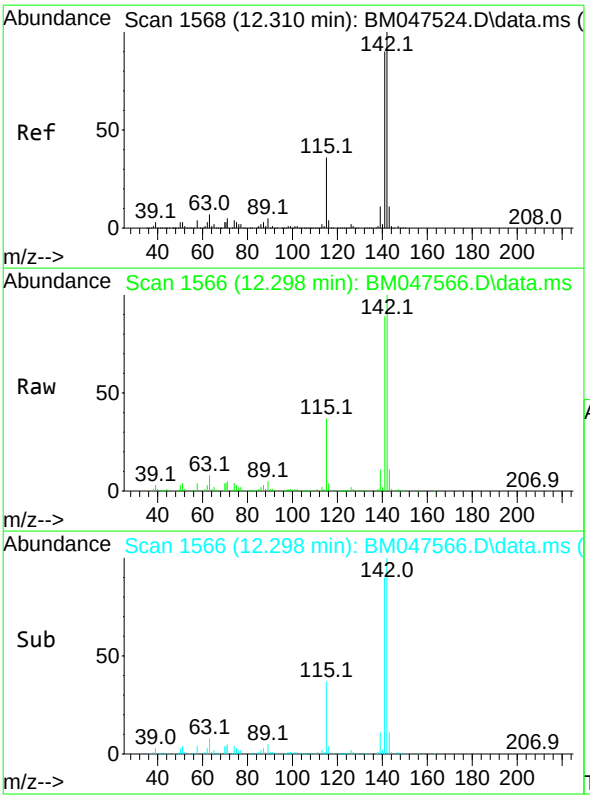



#36
4-Chloro-3-methylphenol
Concen: 41.032 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:107 Resp: 1061022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.8 | 20.5 | 30.7 |
| 142 | 79.3 | 65.0 | 97.4 |






#37
2-Methylnaphthalene
Concen: 38.531 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:142 Resp: 2319196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 72.2 | 108.4 |
| 115 | 37.4 | 29.1 | 43.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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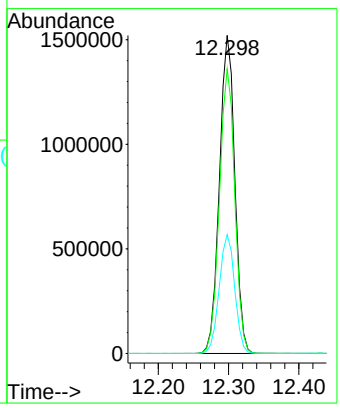
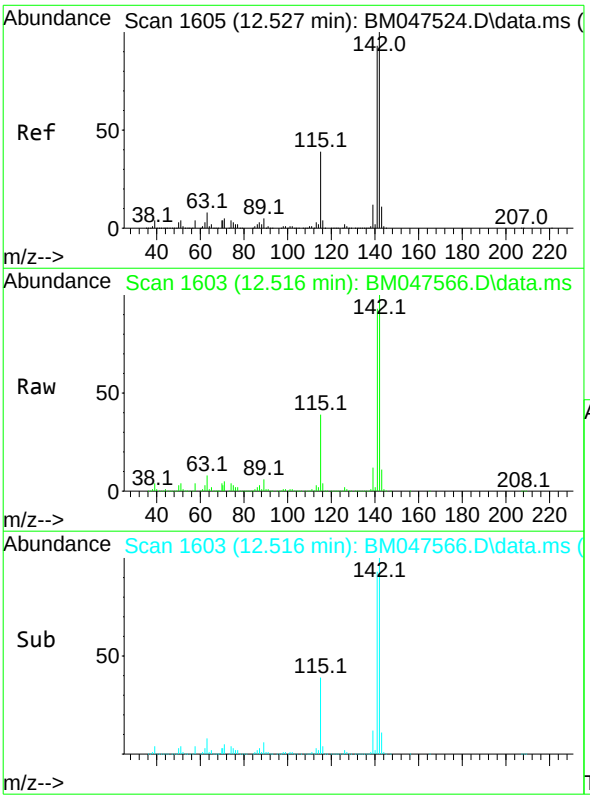
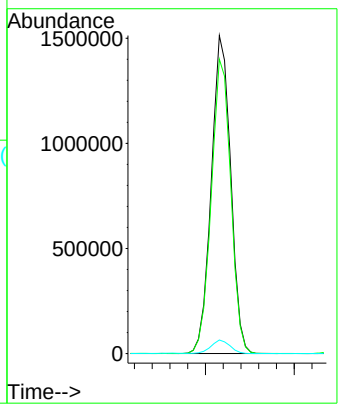


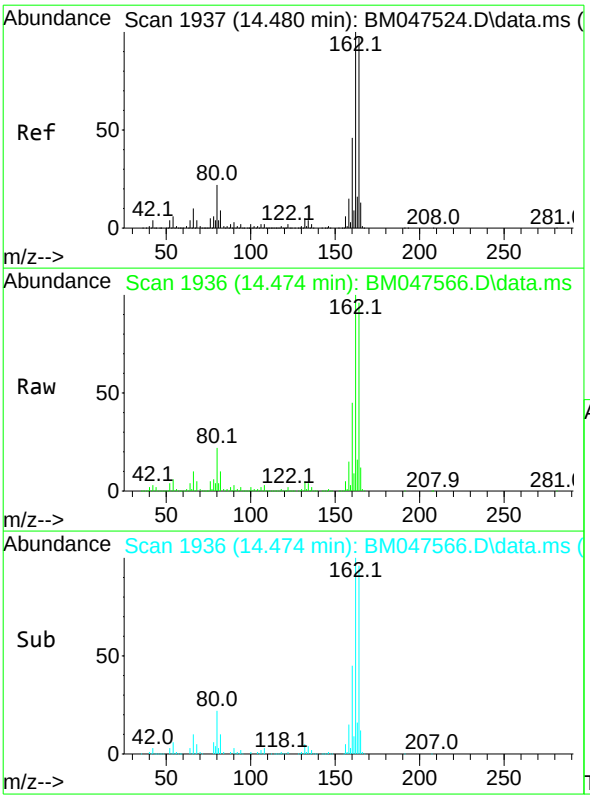




#38
1-Methylnaphthalene
Concen: 38.352 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:142 Resp: 2294073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 74.7 | 112.1 |
| 116 | 4.3 | 3.2 | 4.8 |

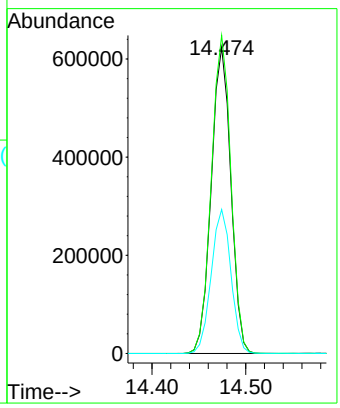





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:164 Resp: 905170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 82.2 | 123.2 |
| 160 | 47.1 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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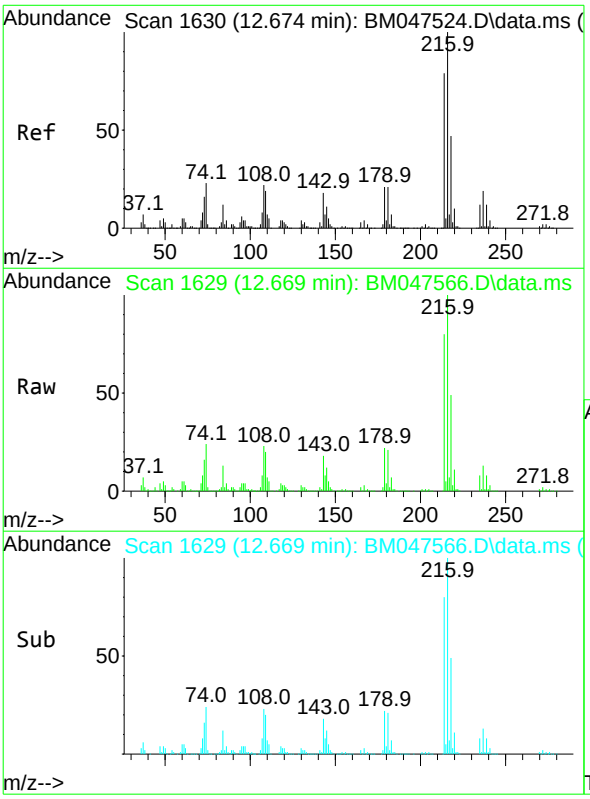
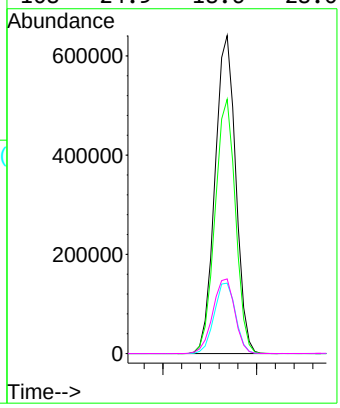
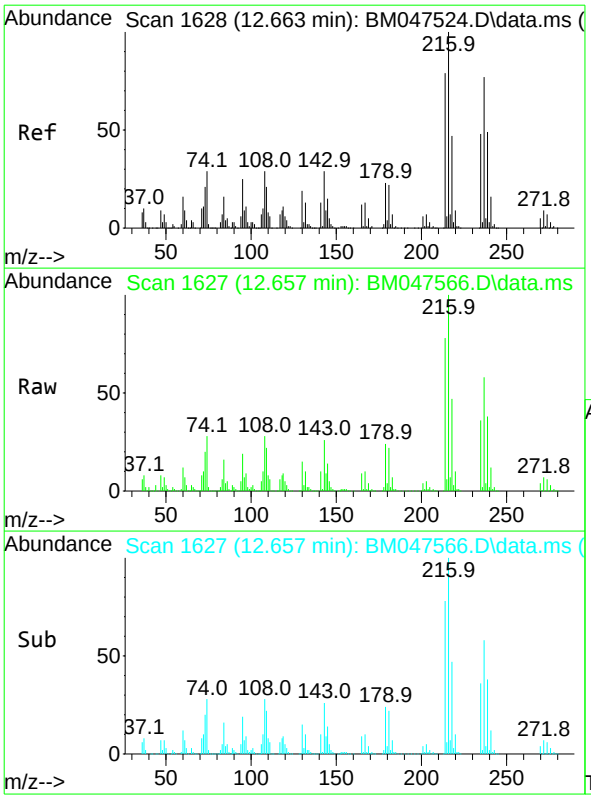



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.279 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:216 Resp: 986570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.0 | 94.6 |
| 179 | 22.7 | 17.5 | 26.3 |
| 108 | 24.9 | 18.6 | 28.0 |






#41
Hexachlorocyclopentadiene
Concen: 43.840 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:237 Resp: 351029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 60.8 | 42.0 | 82.0 |
| 272 | 12.2 | 0.0 | 31.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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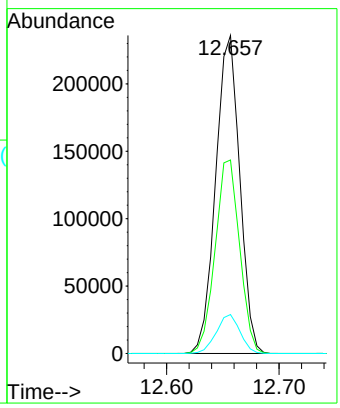
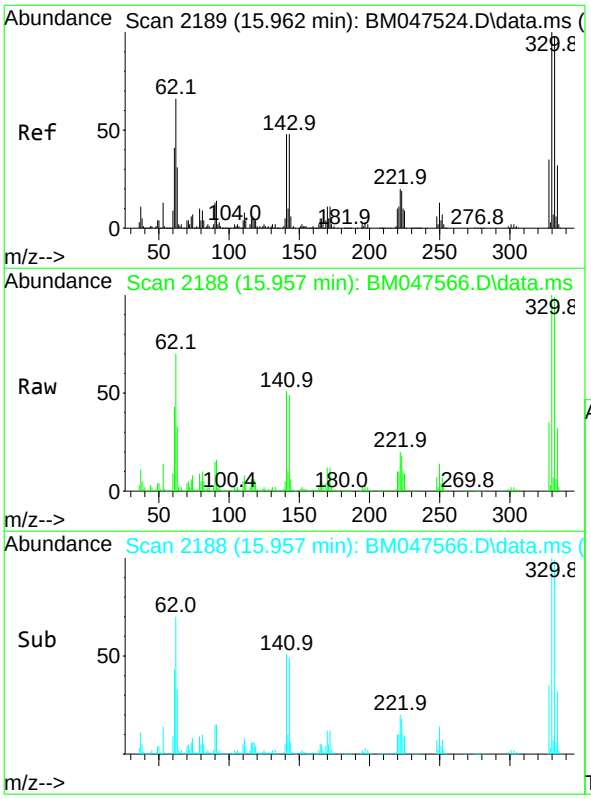
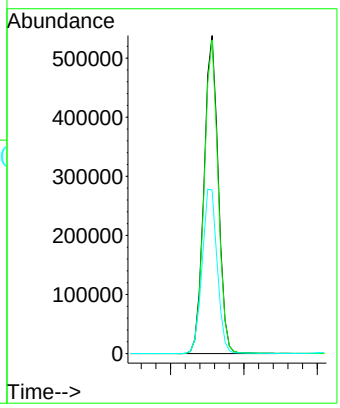


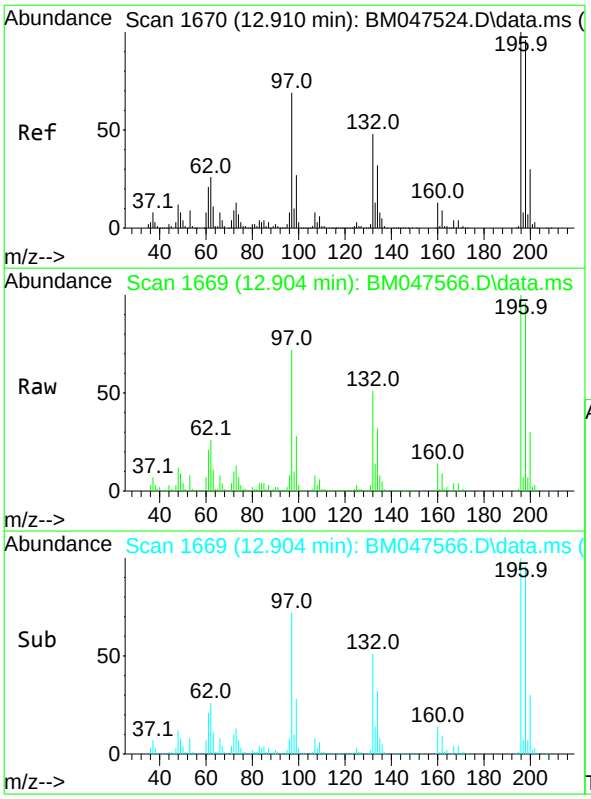




#42
2,4,6-Tribromophenol
Concen: 83.145 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:330 Resp: 727459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 54.6 | 42.2 | 63.2 |






#43
2,4,6-Trichlorophenol
Concen: 43.230 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:196 Resp: 663369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 76.9 | 115.3 |
| 200 | 30.0 | 24.3 | 36.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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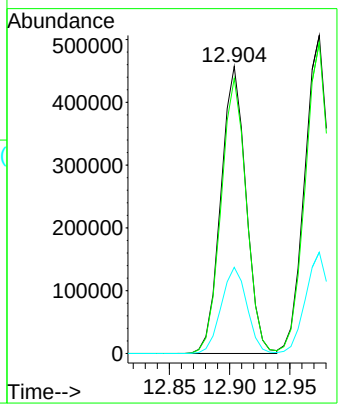
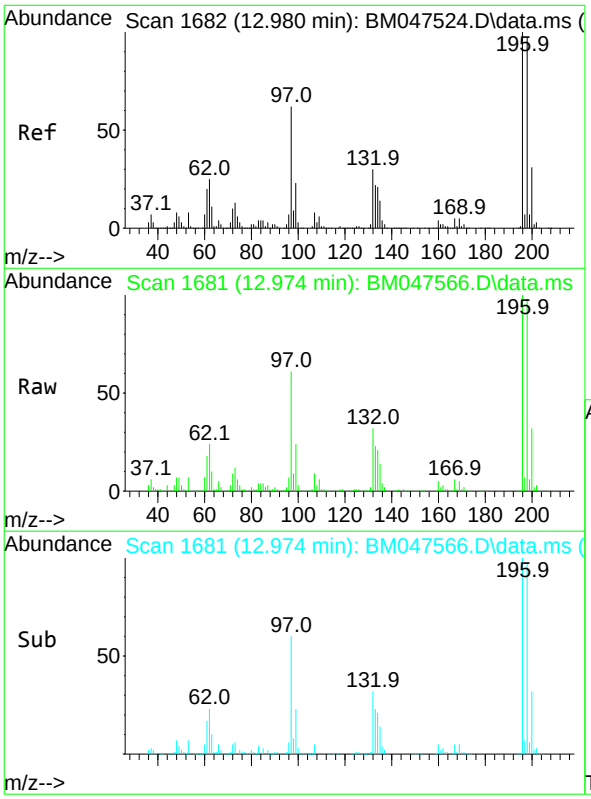
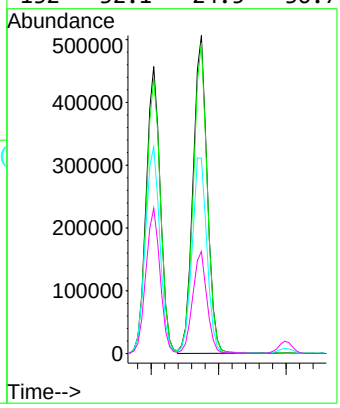


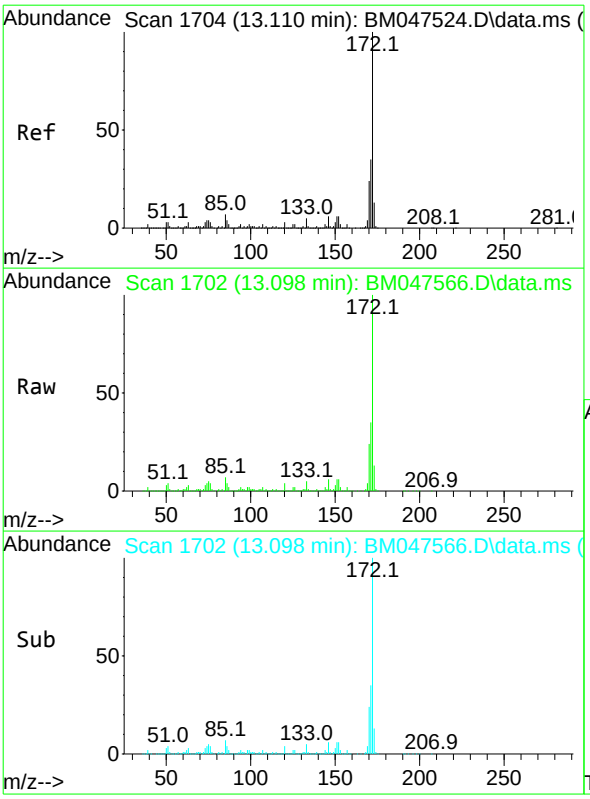




#44
2,4,5-Trichlorophenol
Concen: 42.523 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:196 Resp: 737007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.7 | 77.4 | 116.2 |
| 97 | 61.4 | 49.8 | 74.8 |
| 132 | 32.1 | 24.5 | 36.7 |

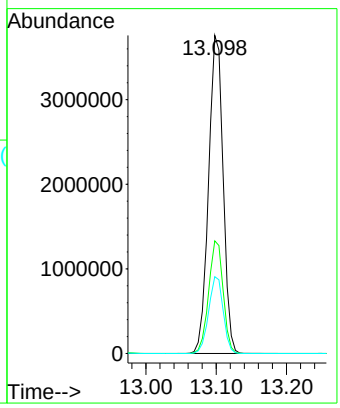





#45
2-Fluorobiphenyl
Concen: 82.051 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:172 Resp: 5391582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.2 | 42.2 |
| 170 | 24.2 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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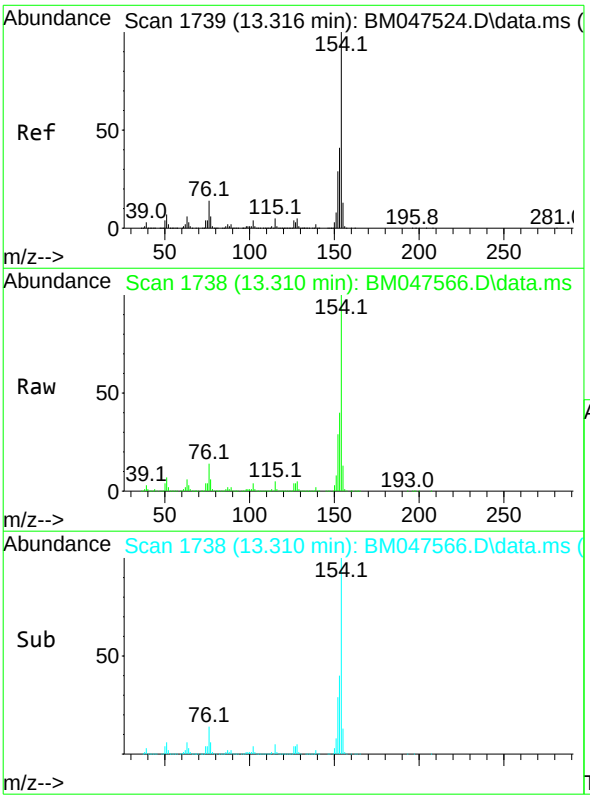
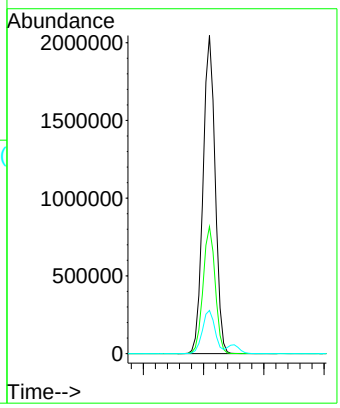
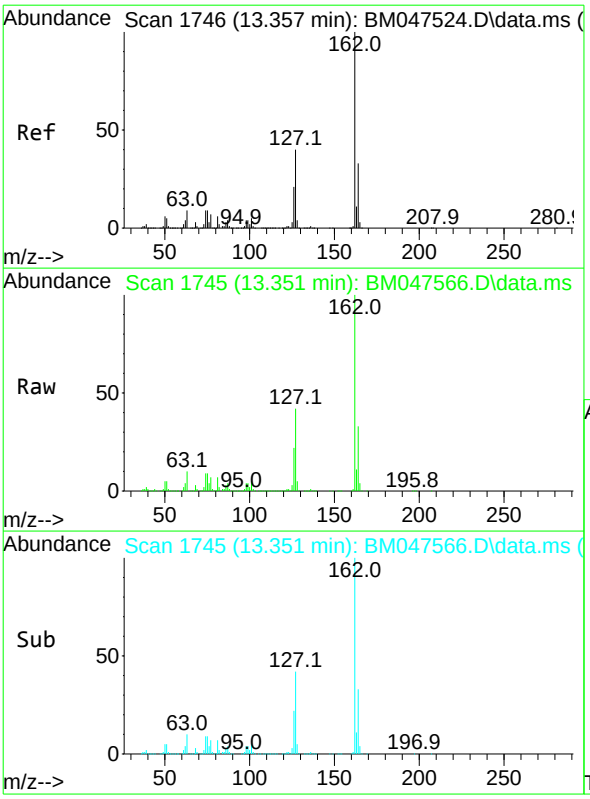



#46
1,1'-Biphenyl
Concen: 40.533 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:154 Resp: 2854654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.6 | 60.6 |
| 76 | 13.6 | 0.0 | 33.9 |

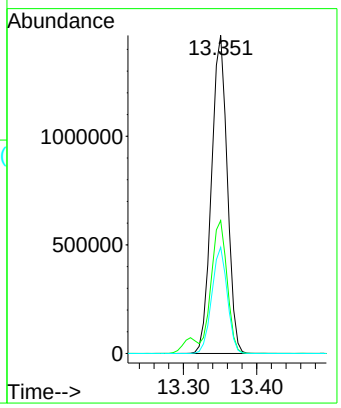





#47
2-Chloronaphthalene
Concen: 39.928 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:162 Resp: 2183481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 32.2 | 48.4 |
| 164 | 33.4 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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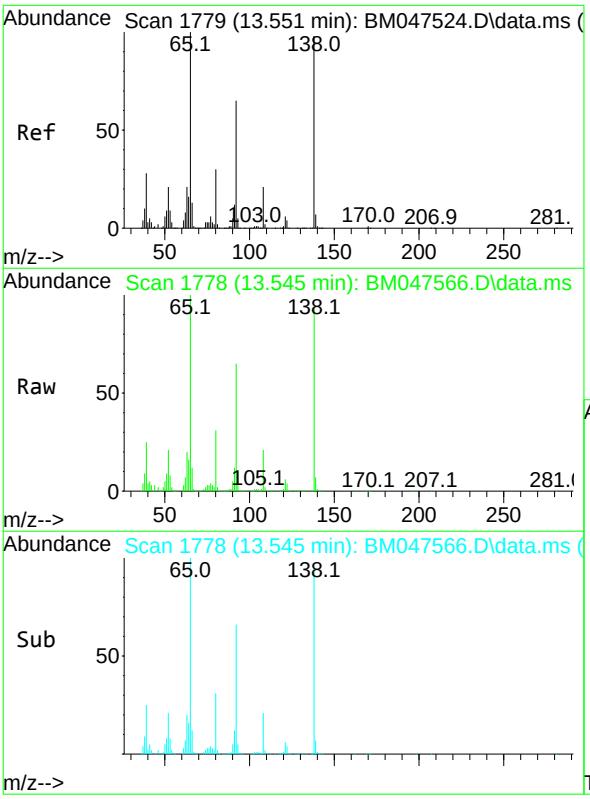
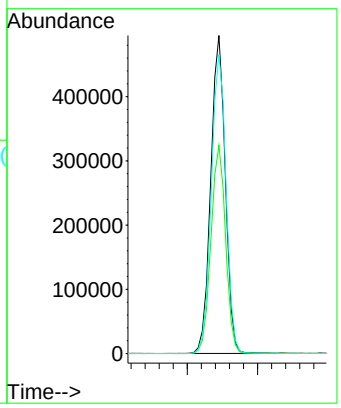
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

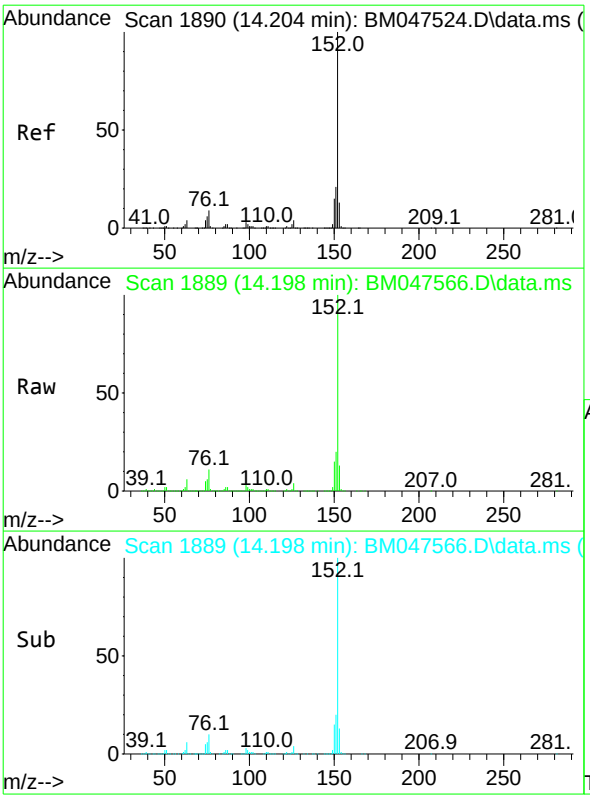



#48
2-Nitroaniline
Concen: 44.296 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 65 Resp: 711483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.5 | 51.9 | 77.9 |
| 138 | 94.0 | 78.5 | 117.7 |






#49
Acenaphthylene
Concen: 40.512 ng
RT: 14.198 min Scan# 18
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 3196953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.5 | 24.7 |
| 153 | 13.1 | 10.4 | 15.6 |

**Manual Integrations**
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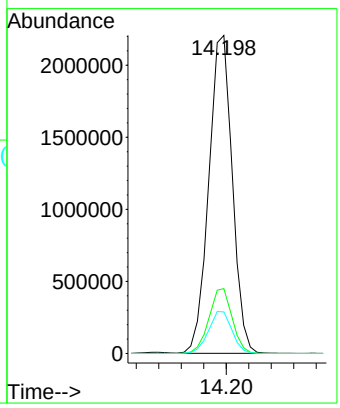
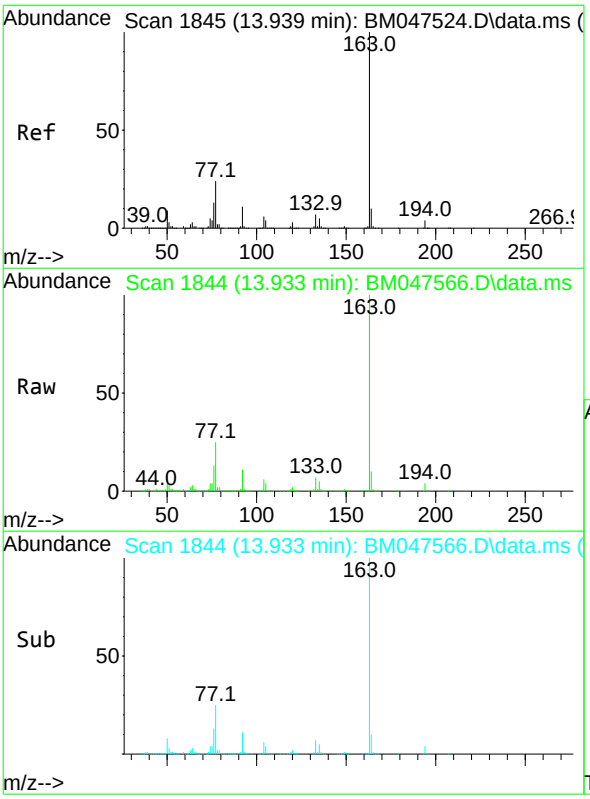
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

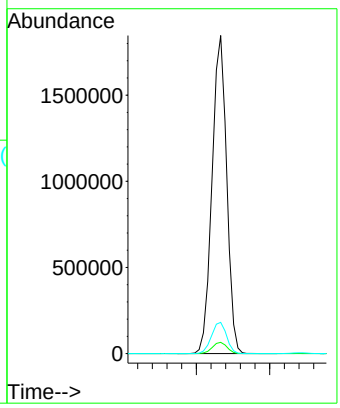


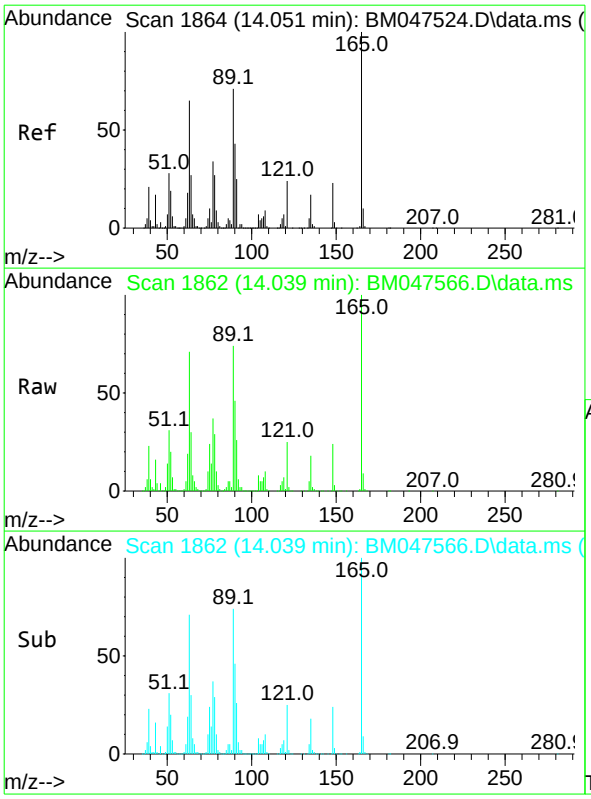




#50
Dimethylphthalate
Concen: 41.425 ng
RT: 13.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:163 Resp: 2555716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.9 | 4.3 |
| 164 | 9.8 | 7.9 | 11.9 |






#51
2,6-Dinitrotoluene
Concen: 42.810 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:165 Resp: 557553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 71.3 | 54.2 | 81.2 |
| 89 | 73.8 | 56.4 | 84.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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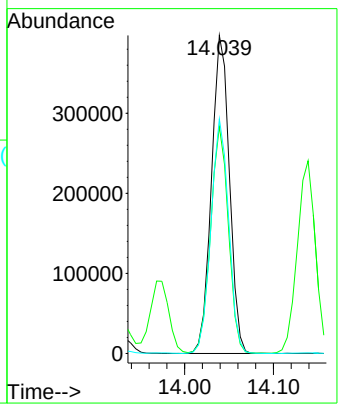
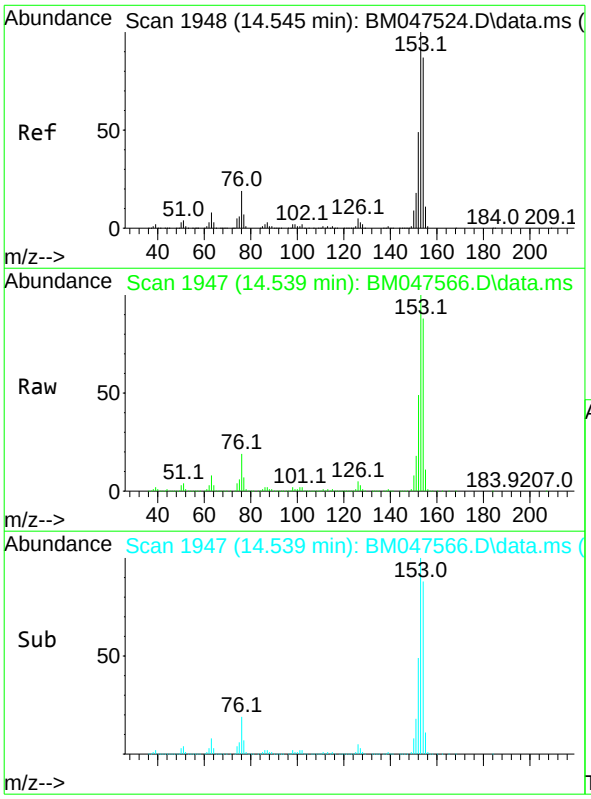
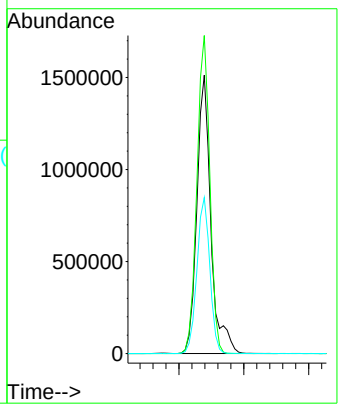


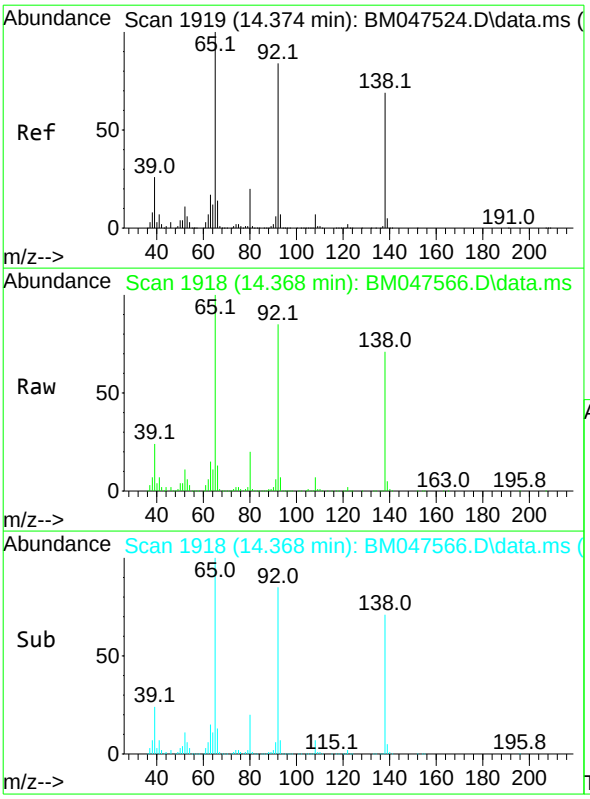




#52
Acenaphthene
Concen: 40.913 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:154 Resp: 2262183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.2 | 92.2 | 138.2 |
| 152 | 56.0 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 43.417 ng
RT: 14.368 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 628518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.0 | 12.0 |
| 92 | 120.6 | 97.4 | 146.0 |

**Manual Integrations**
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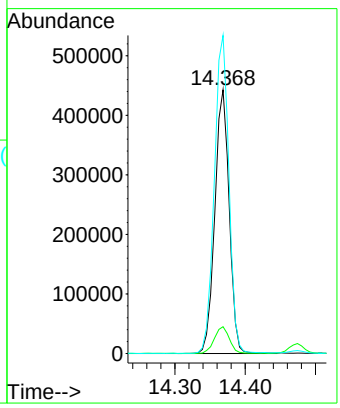
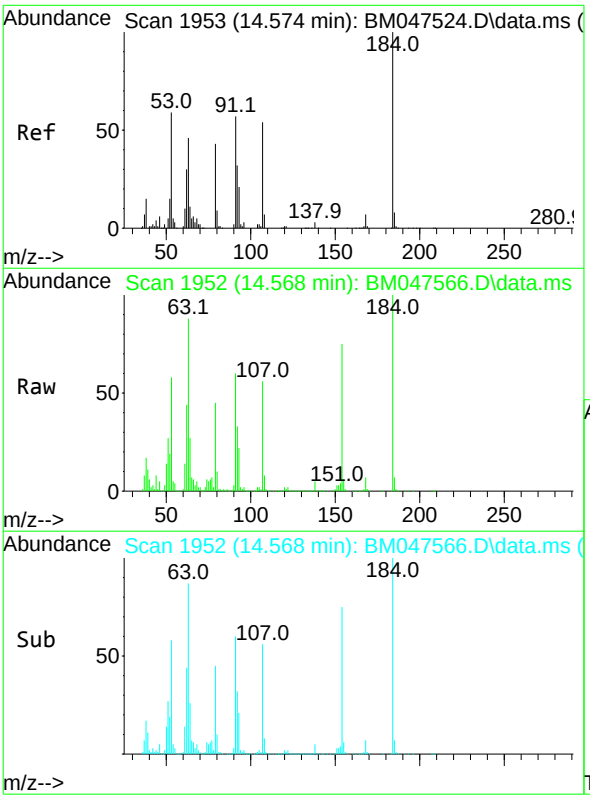
Supervised By :mohammad ahmed 09/22/2024

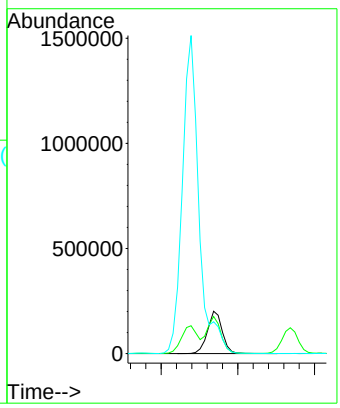


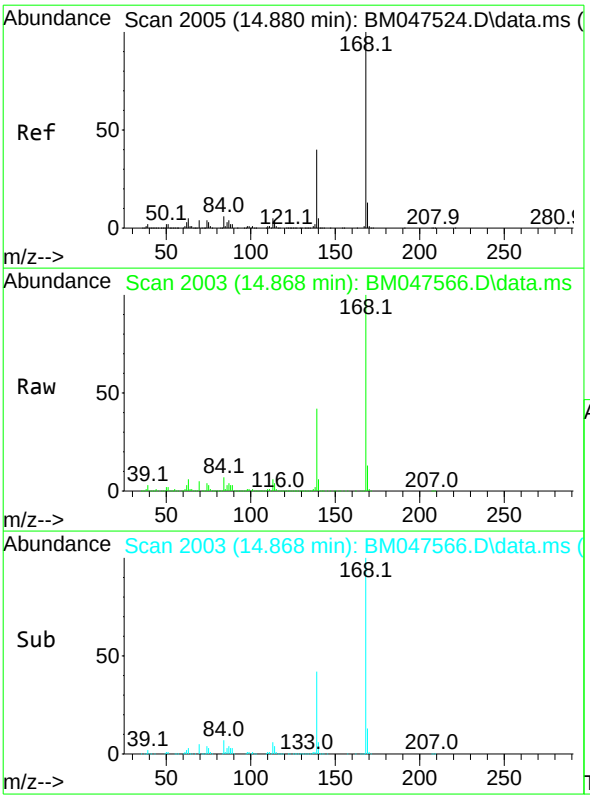




#54
2,4-Dinitrophenol
Concen: 45.515 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:184 Resp: 269954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 87.7 | 69.4 | 104.0 |
| 154 | 75.2 | 60.4 | 90.6 |

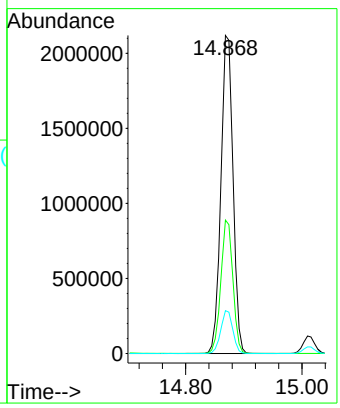





#55
Dibenzofuran
Concen: 39.385 ng
RT: 14.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:168 Resp: 3060184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.9 | 31.9 | 47.9 |
| 169 | 13.5 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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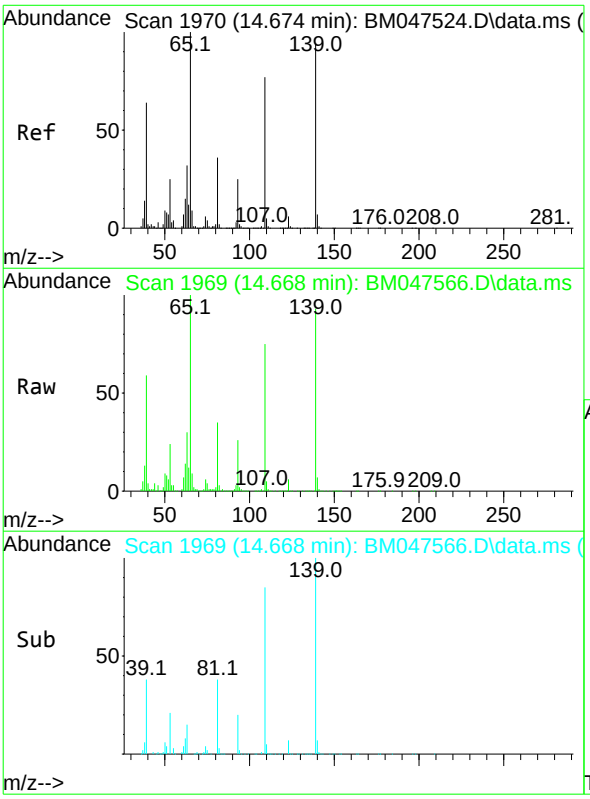
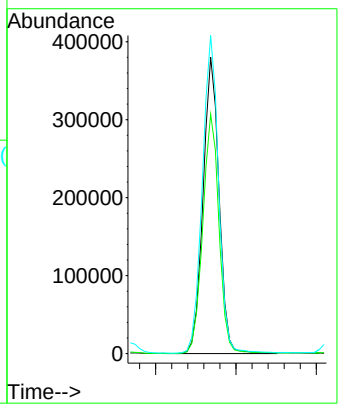
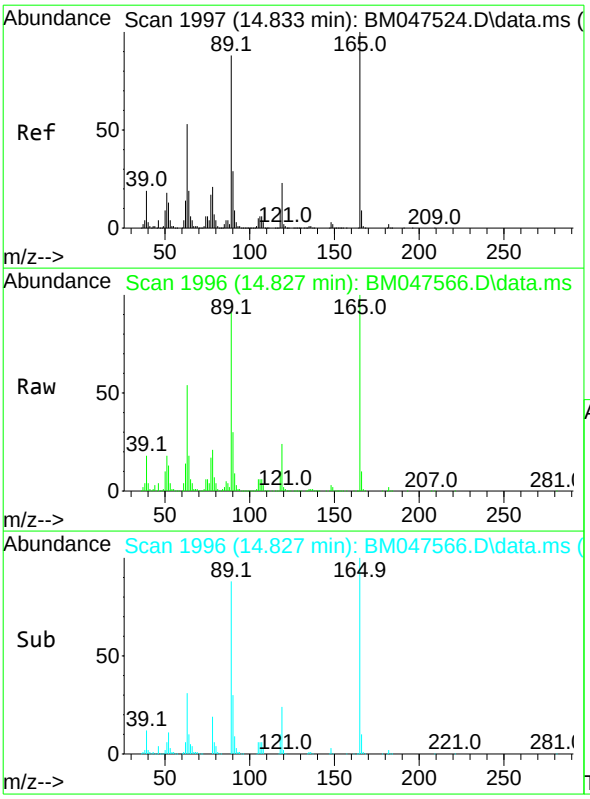



#56
4-Nitrophenol
Concen: 44.188 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:139 Resp: 526372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.8 | 62.0 | 102.0 |
| 65 | 107.3 | 87.0 | 127.0 |

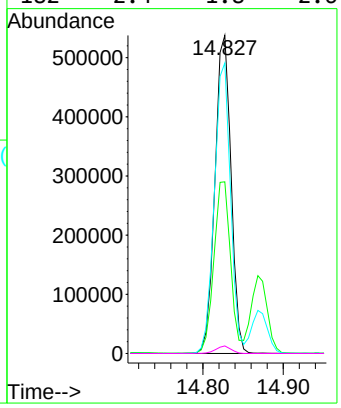





#57
2,4-Dinitrotoluene
Concen: 43.073 ng
RT: 14.827 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:165 Resp: 748179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.0 | 42.4 | 63.6 |
| 89 | 91.3 | 70.5 | 105.7 |
| 182 | 2.4 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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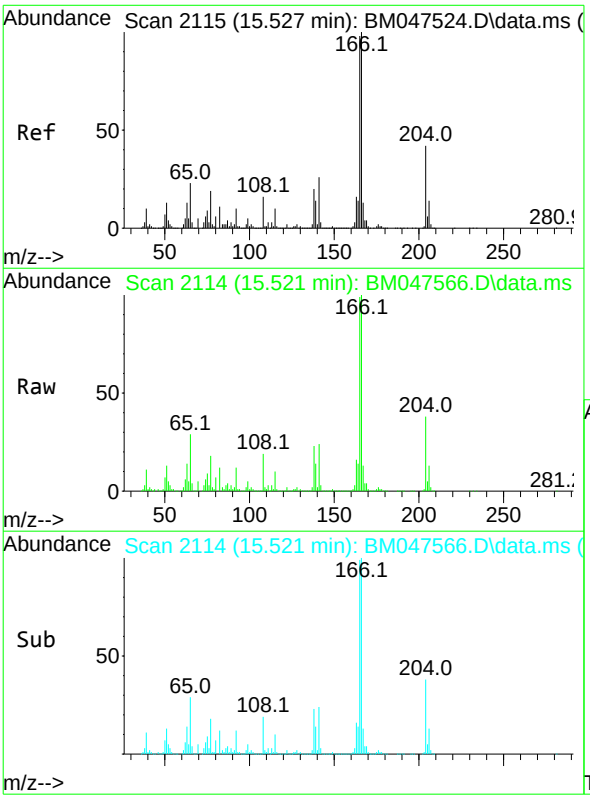
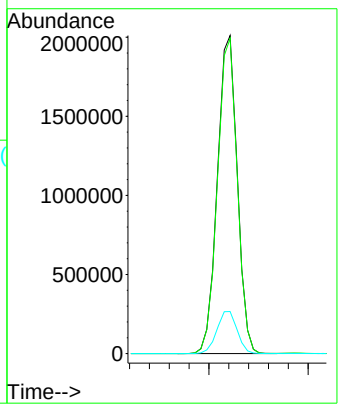
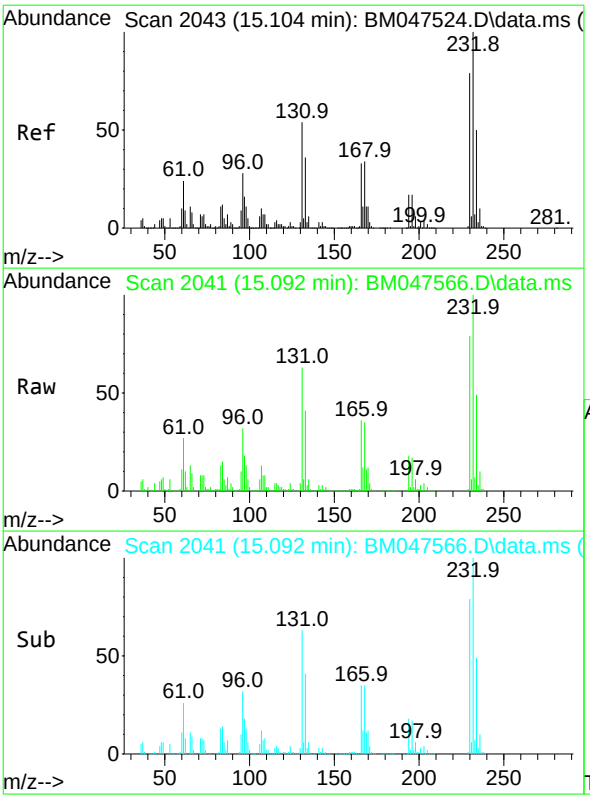



#58
Fluorene
Concen: 39.999 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:166 Resp: 2798113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 78.6 | 117.8 |
| 167 | 13.2 | 10.7 | 16.1 |

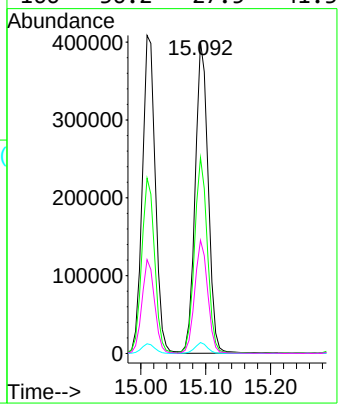





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.149 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:232 Resp: 556061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 62.3 | 47.0 | 70.4 |
| 130 | 3.4 | 2.6 | 3.8 |
| 166 | 36.2 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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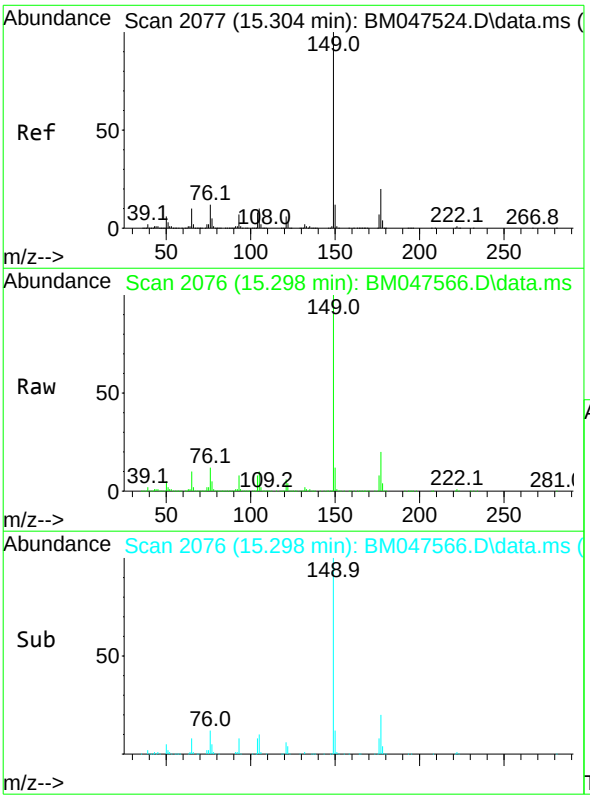
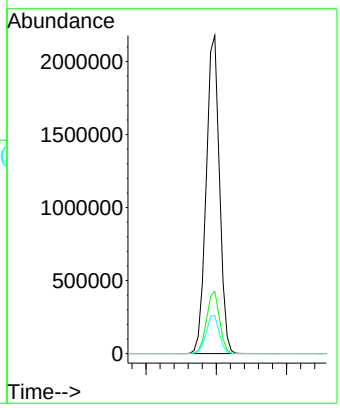
Supervised By :mohammad ahmed 09/22/2024

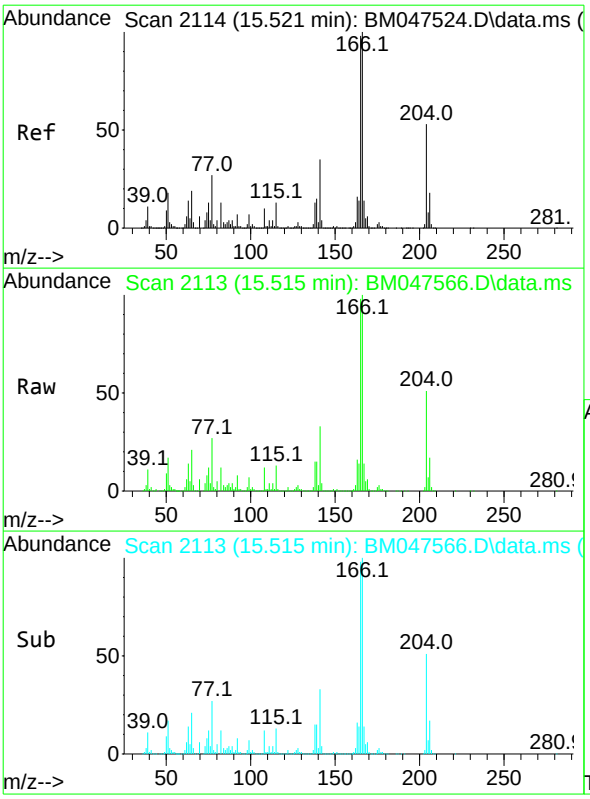



#60
Diethylphthalate
Concen: 43.320 ng
RT: 15.298 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 2844419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.5 | 15.8 | 23.8 |
| 150 | 11.9 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 39.419 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 1260842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.5 | 39.7 |
| 141 | 65.5 | 52.1 | 78.1 |

**Manual Integrations**
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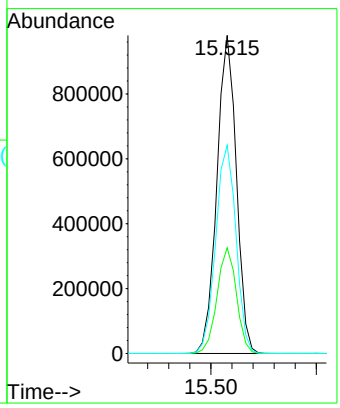
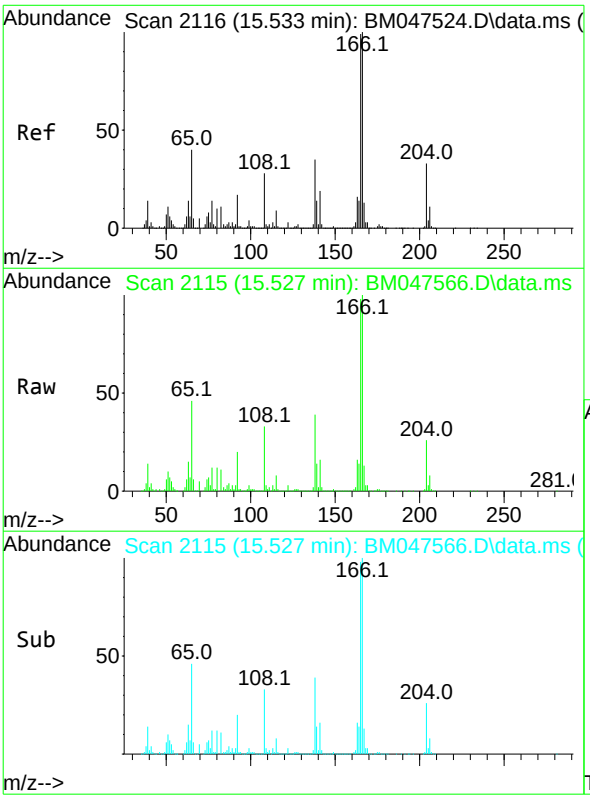
Supervised By :mohammad ahmed 09/22/2024

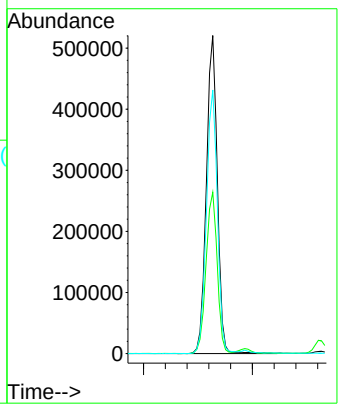


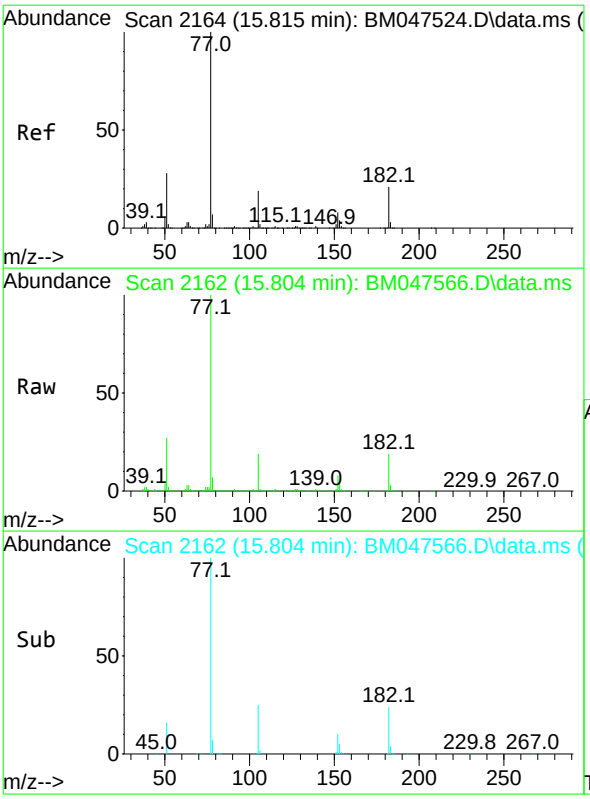




#62
4-Nitroaniline
Concen: 42.836 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:138 Resp: 728904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.7 | 30.0 | 70.0 |
| 108 | 82.9 | 61.7 | 101.7 |

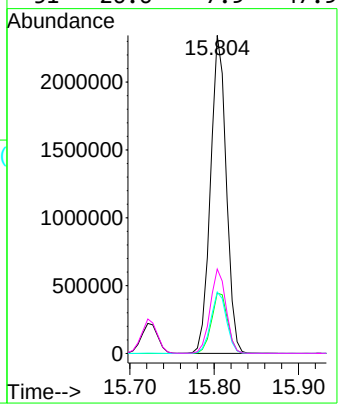





#63
Azobenzene
Concen: 41.953 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion: 77 Resp: 3033161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 19.0 | 1.2 | 41.2 |
| 105 | 19.3 | 0.0 | 39.4 |
| 51 | 26.6 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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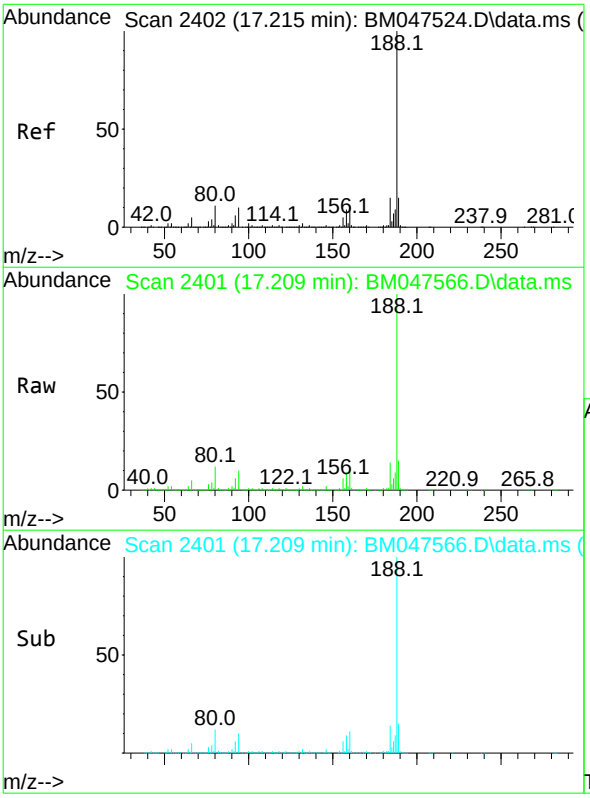
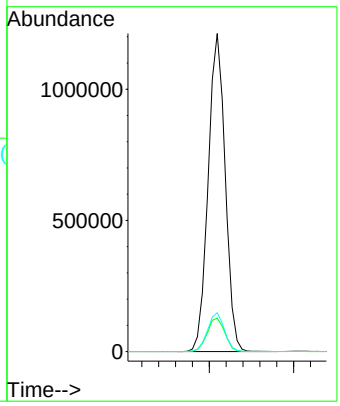
Supervised By :mohammad ahmed 09/22/2024

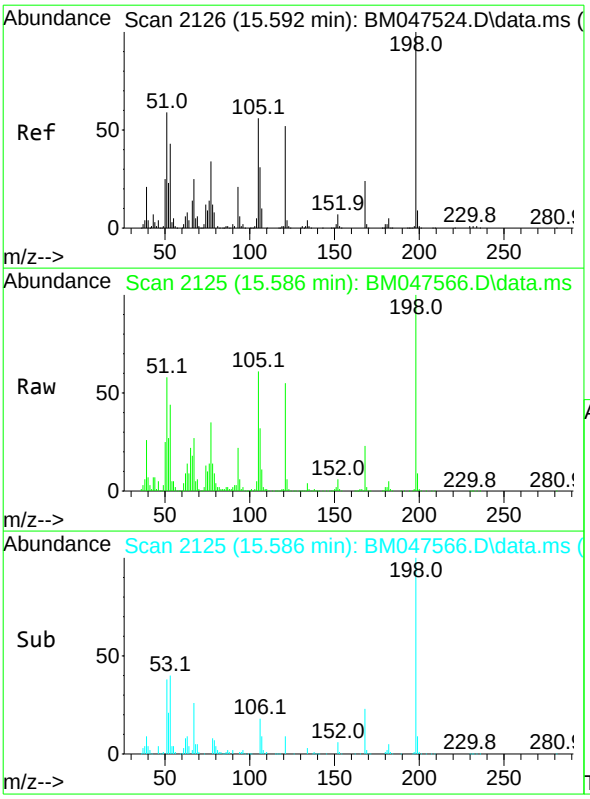



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:188 Resp: 1699865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.4 | 12.6 |
| 80 | 12.2 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 41.931 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 353810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 58.4 | 41.5 | 81.5 |
| 105 | 60.5 | 36.4 | 76.4 |

**Manual Integrations**
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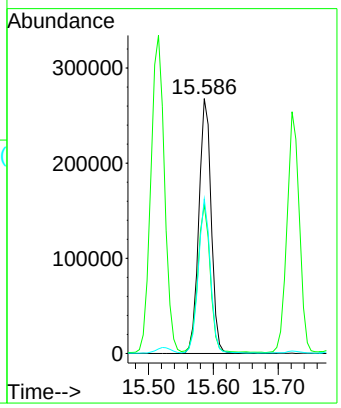
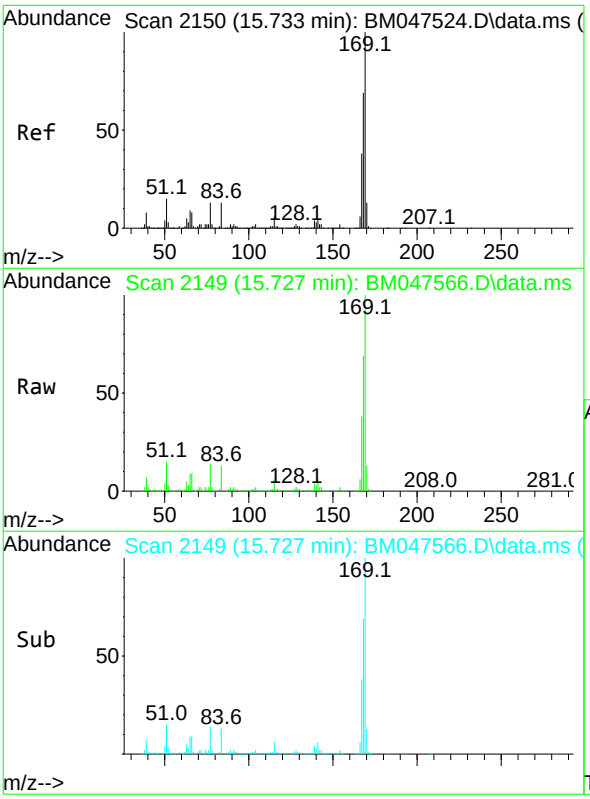
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

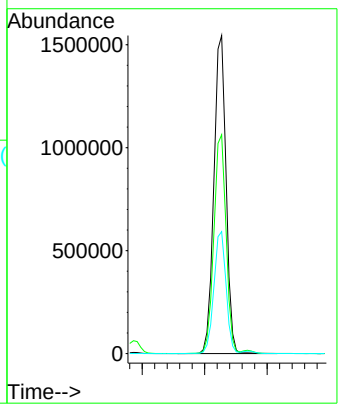


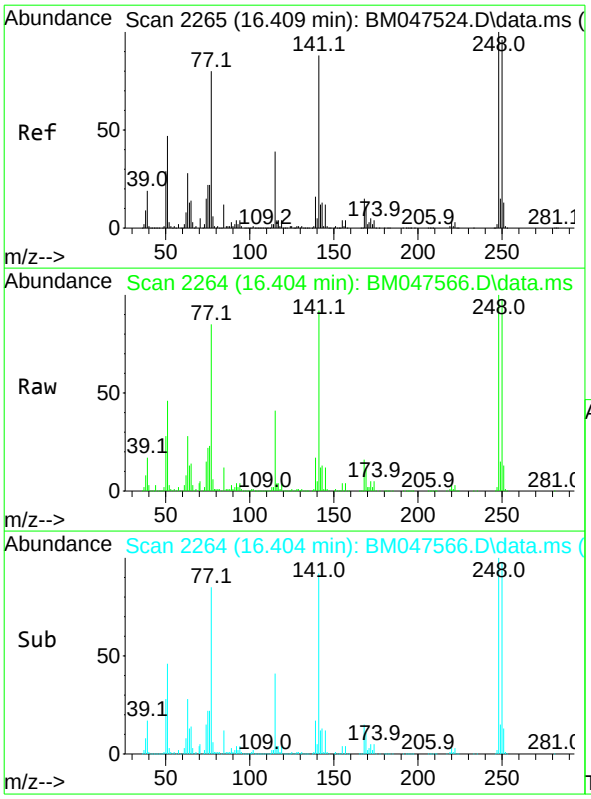




#66
n-Nitrosodiphenylamine
Concen: 40.138 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:169 Resp: 2087242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.8 | 55.3 | 82.9 |
| 167 | 38.3 | 30.5 | 45.7 |

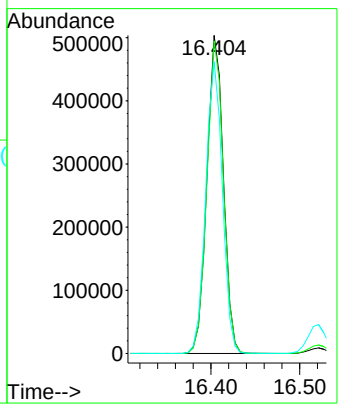





#67
4-Bromophenyl-phenylether
Concen: 39.463 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:248 Resp: 651816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.3 | 76.9 | 115.3 |
| 141 | 91.8 | 70.8 | 106.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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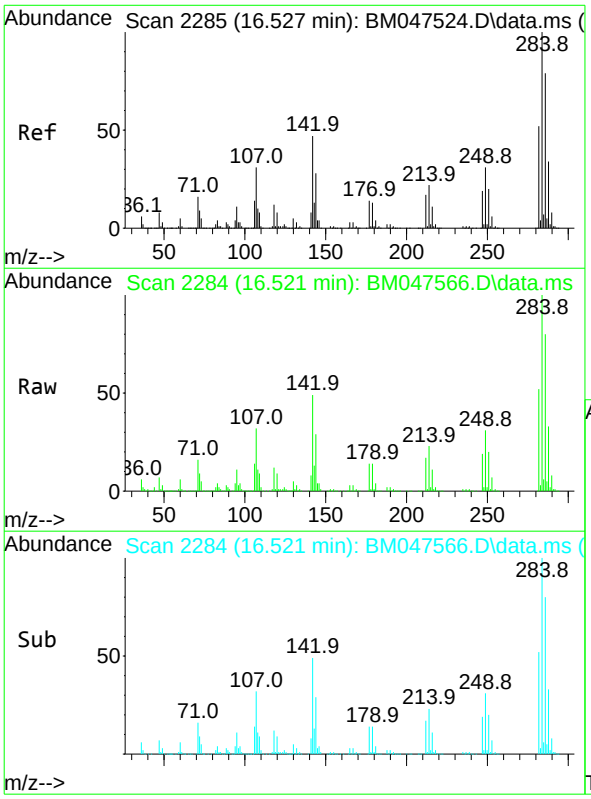
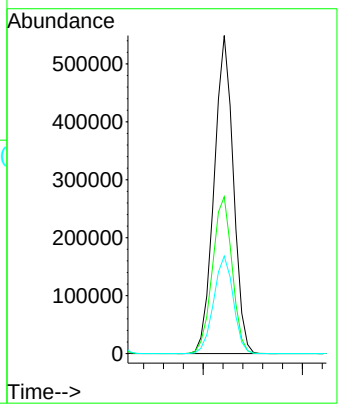
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

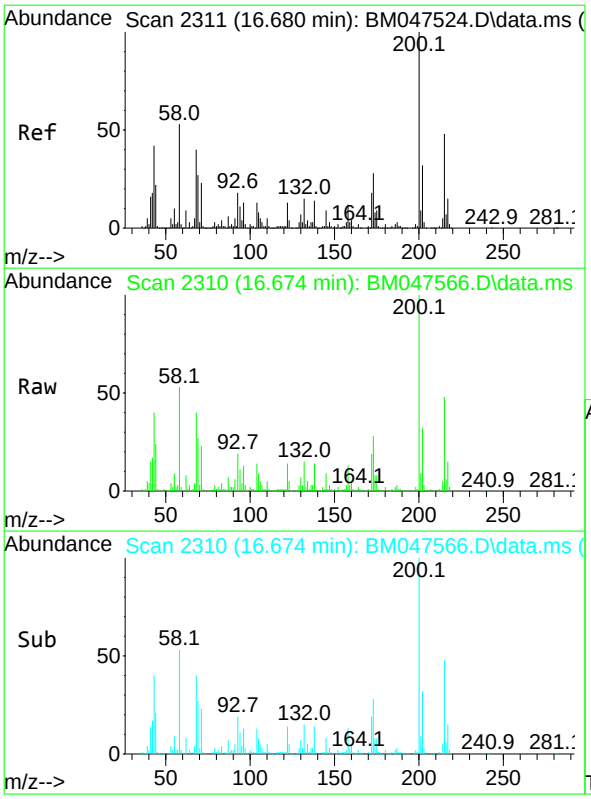



#68
Hexachlorobenzene
Concen: 39.554 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:284 Resp: 740115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 49.3 | 37.3 | 55.9 |
| 249 | 30.7 | 24.5 | 36.7 |






#69
Atrazine
Concen: 33.602 ng
RT: 16.674 min Scan# 23
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

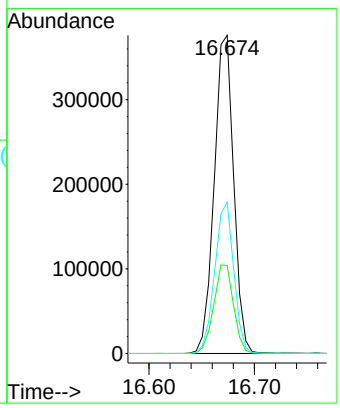
Tgt Ion:200 Resp: 482956

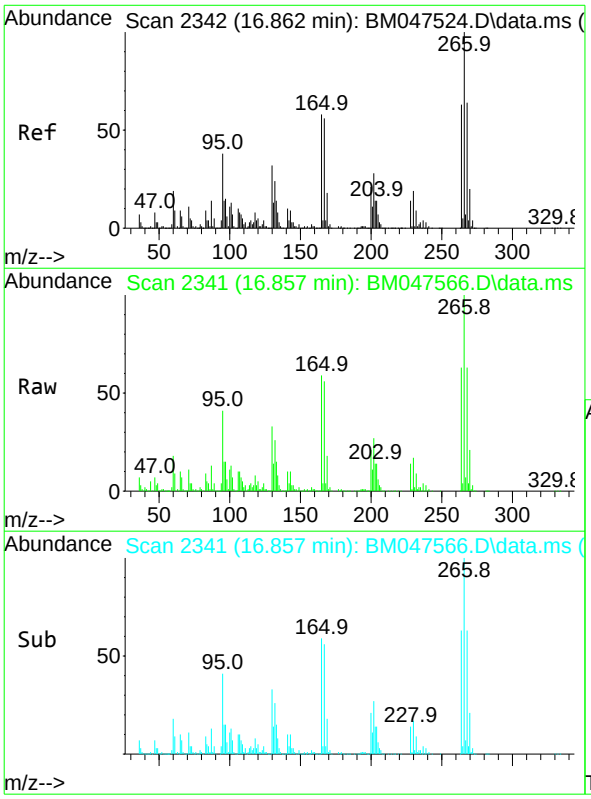
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.7 | 7.7 | 47.7 |
| 215 | 47.5 | 27.9 | 67.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

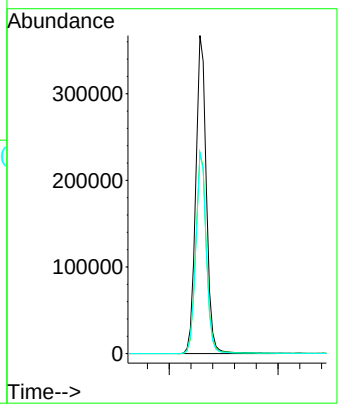


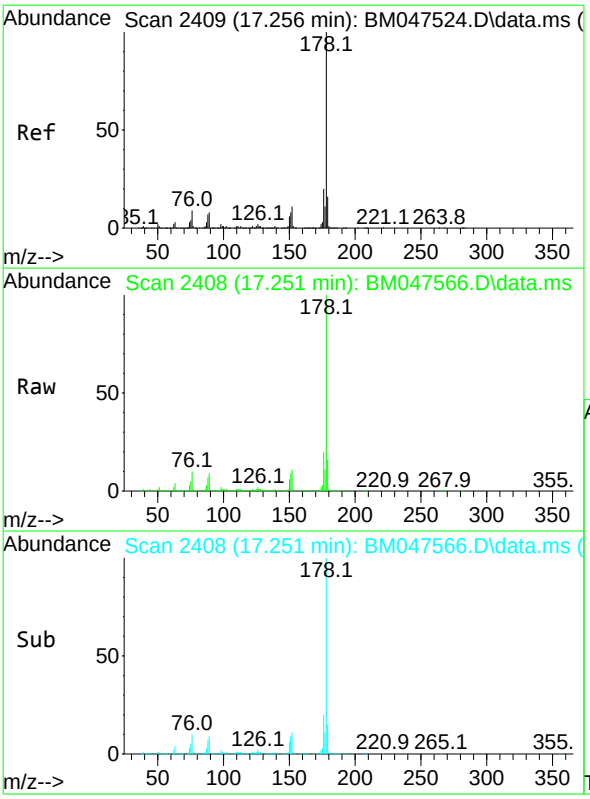




#70
Pentachlorophenol
Concen: 45.647 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:266 Resp: 495121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.2 | 51.0 | 76.4 |
| 264 | 63.1 | 50.4 | 75.6 |

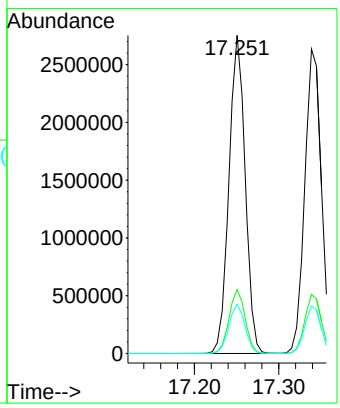





#71
Phenanthrene
Concen: 39.274 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:178 Resp: 3679120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.0 | 24.0 |
| 179 | 15.5 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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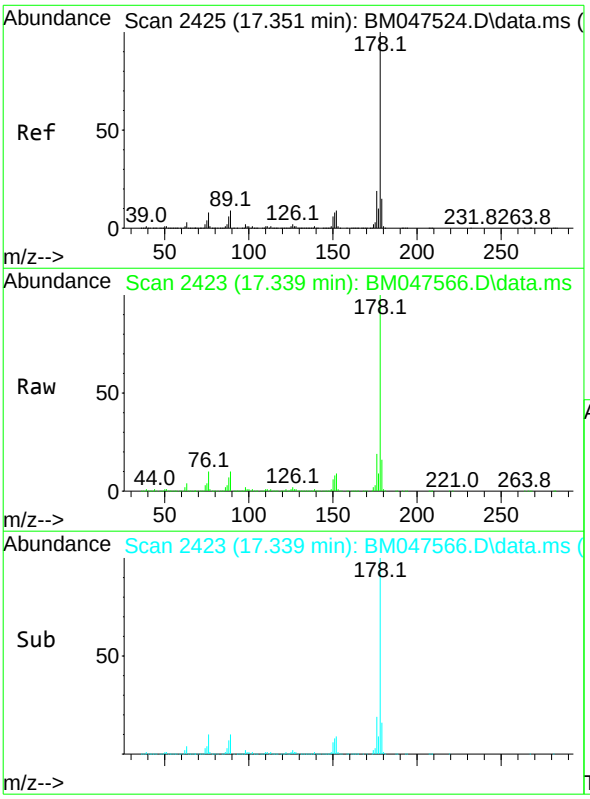
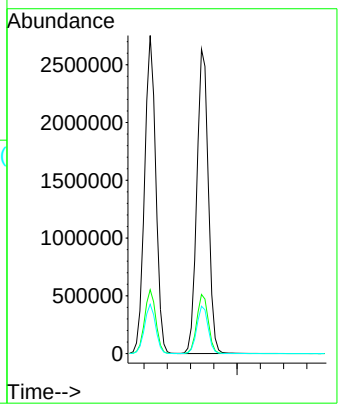
Supervised By :mohammad ahmed 09/22/2024

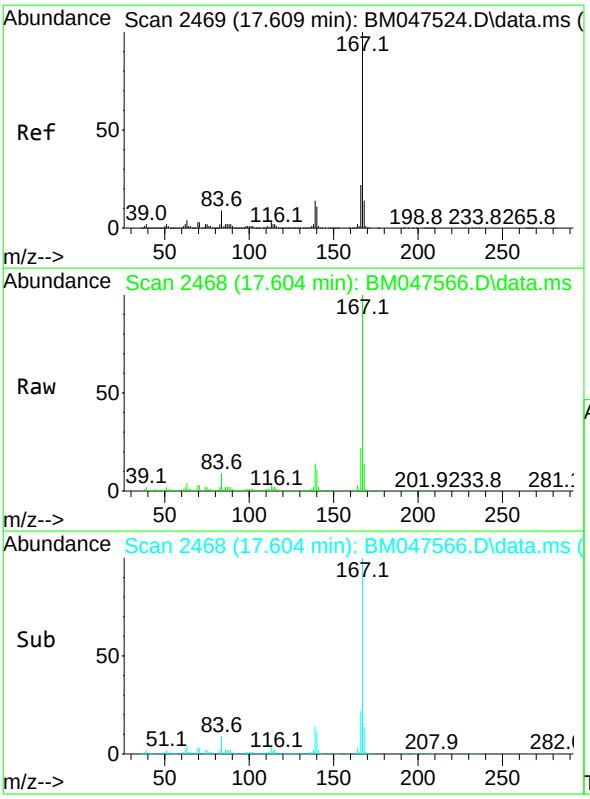



#72
Anthracene
Concen: 39.996 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:178 Resp: 3599776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.6 | 12.3 | 18.5 |






#73
Carbazole
Concen: 40.624 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 3623444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.8 | 26.8 |
| 139 | 14.0 | 11.0 | 16.6 |

**Manual Integrations**
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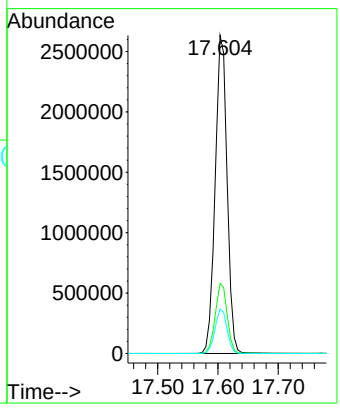
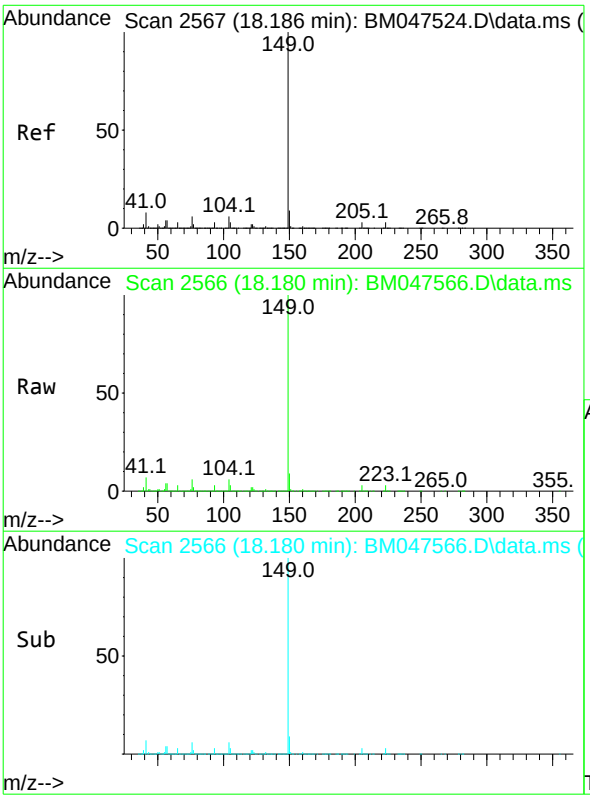
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

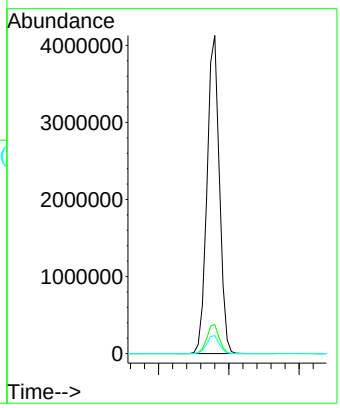


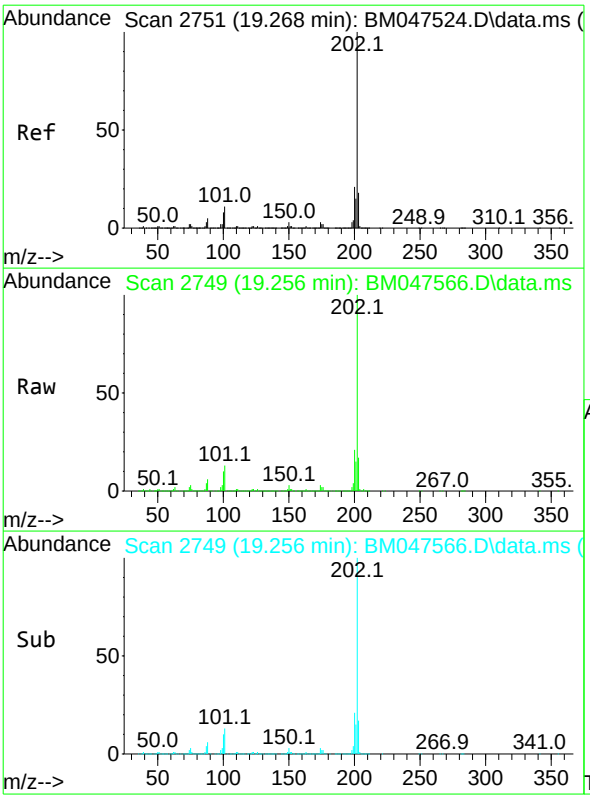




#74
Di-n-butylphthalate
Concen: 47.117 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 5028415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.2 |
| 104 | 5.6 | 4.6 | 6.8 |






#75
Fluoranthene
Concen: 40.964 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

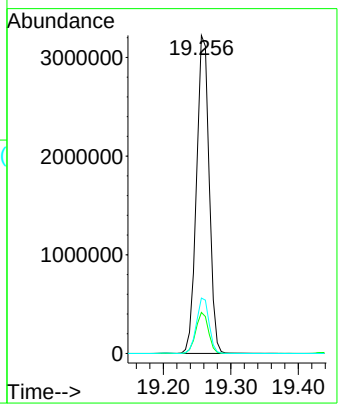
Tgt Ion:202 Resp: 4186947

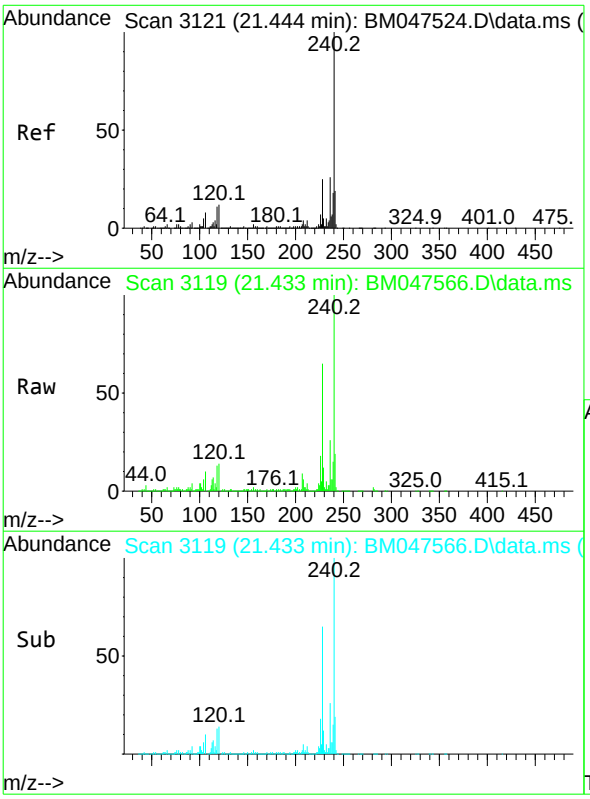
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 30.8 |
| 203 | 17.4 | 0.0 | 37.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

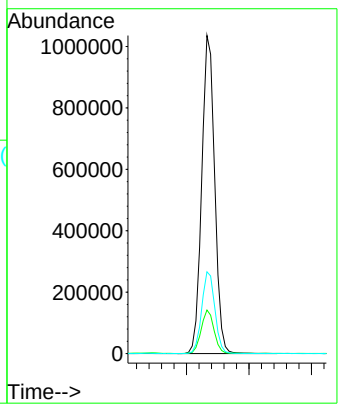


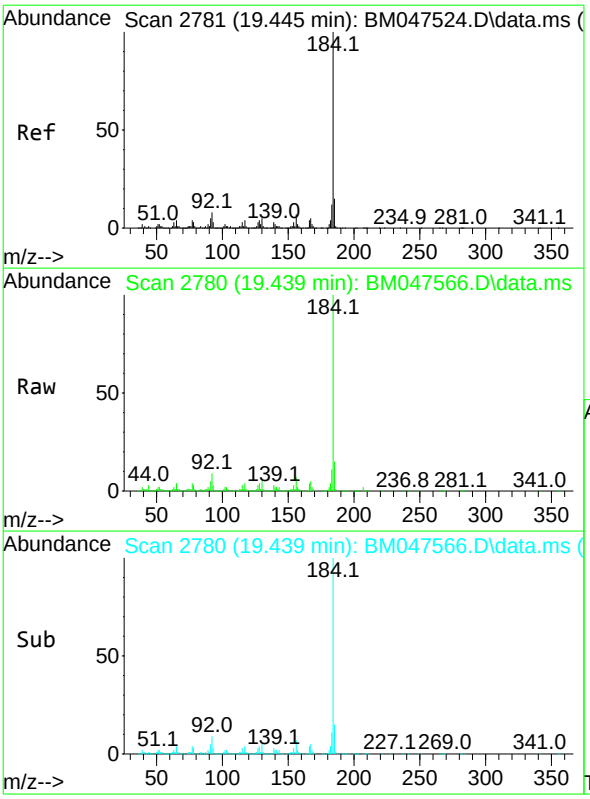




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:240 Resp: 1491886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.7 | 9.6 | 14.4 |
| 236 | 25.7 | 20.9 | 31.3 |






#77
Benzidine
Concen: 65.820 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:184 Resp: 1382959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 12.2 | 18.2 |
| 183 | 11.4 | 9.6 | 14.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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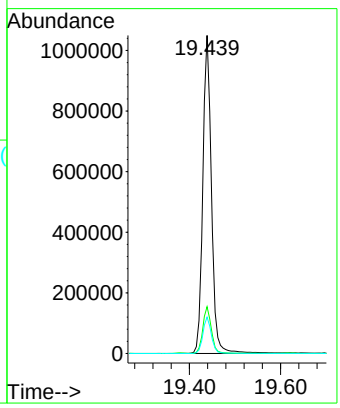
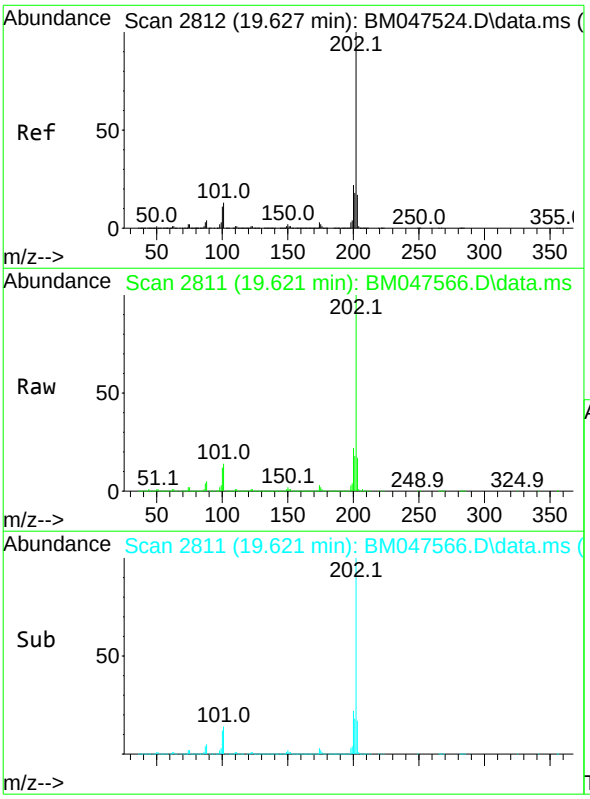
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

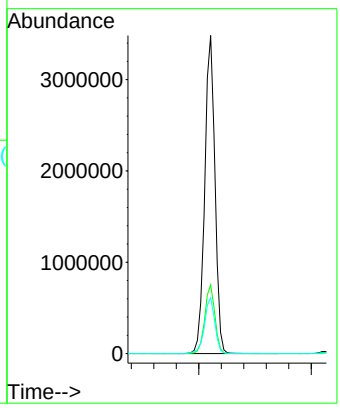


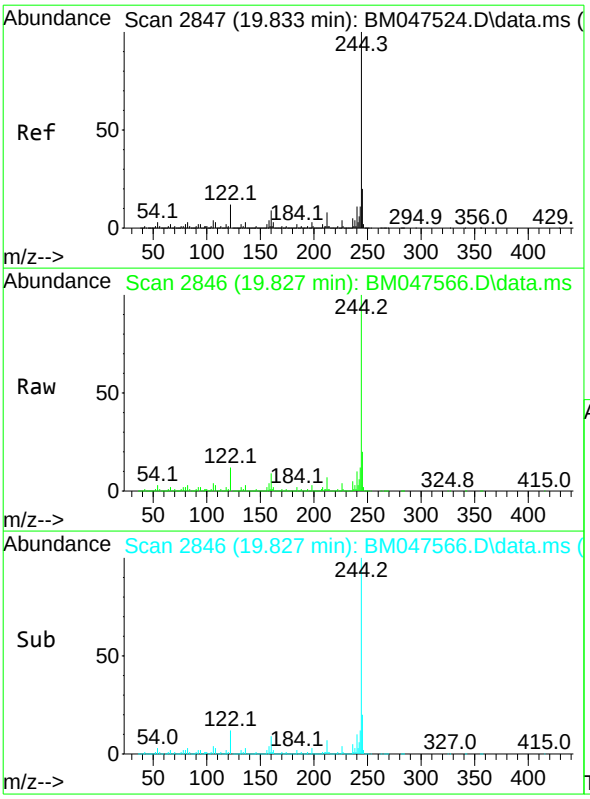




#78
Pyrene
Concen: 40.414 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:202 Resp: 4397965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.2 | 25.8 |
| 203 | 17.5 | 14.0 | 21.0 |






#79
Terphenyl-d14
Concen: 89.167 ng
RT: 19.827 min Scan# 28
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 7423631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.2 | 9.2 |
| 122 | 11.8 | 9.6 | 14.4 |

**Manual Integrations**
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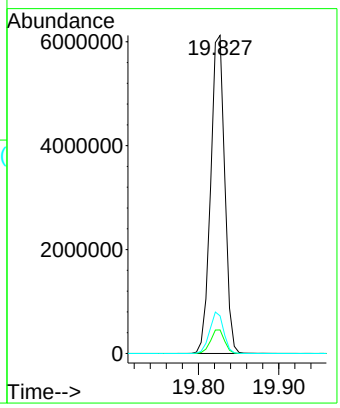
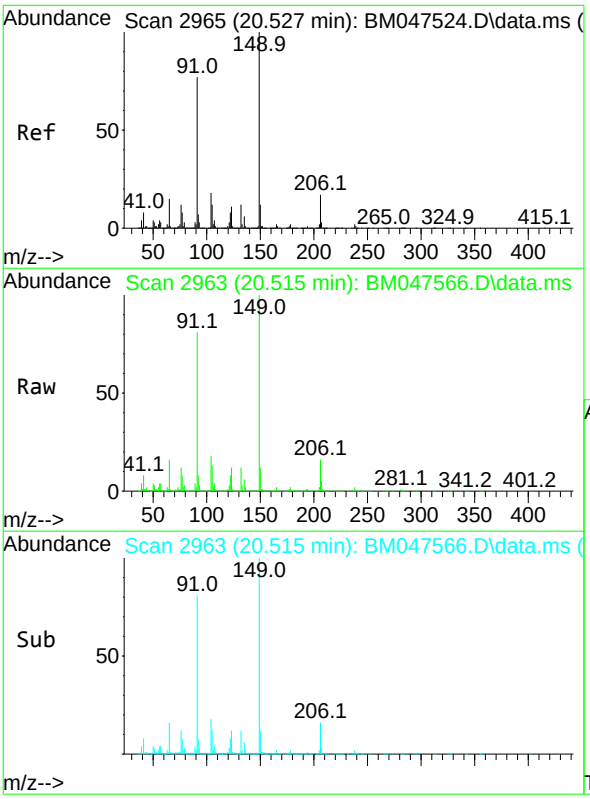
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

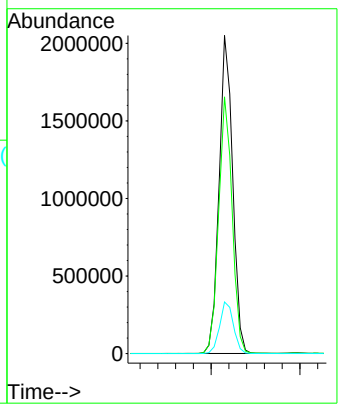


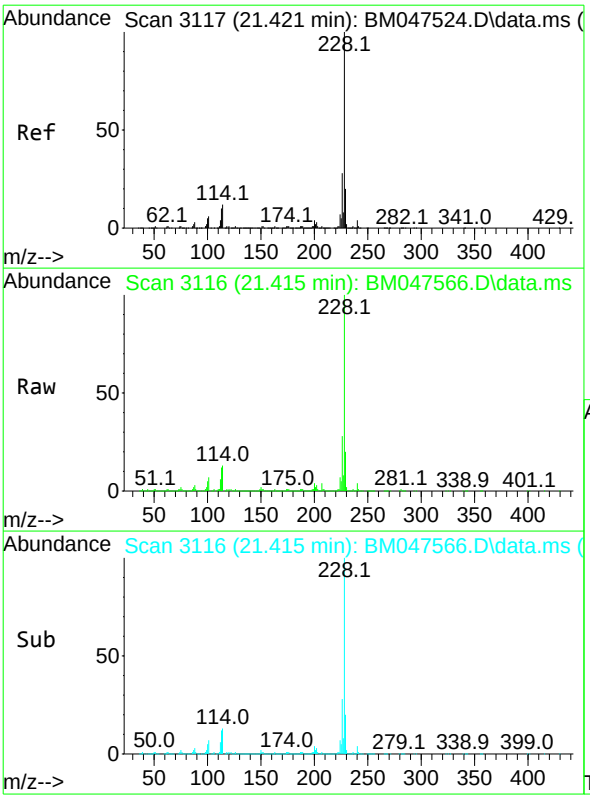




#80
Butylbenzylphthalate
Concen: 51.985 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 2177713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 80.7 | 62.0 | 93.0 |
| 206 | 16.2 | 13.8 | 20.8 |

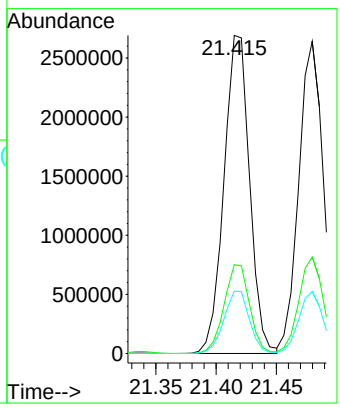





#81
Benzo(a)anthracene
Concen: 41.003 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:228 Resp: 3987184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 22.4 | 33.6 |
| 229 | 19.6 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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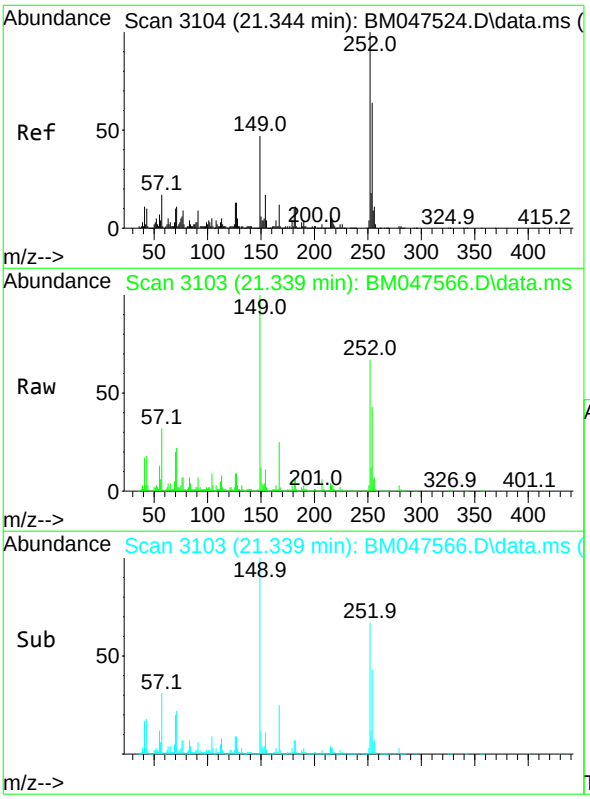
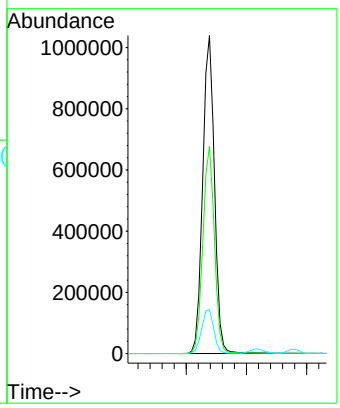
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

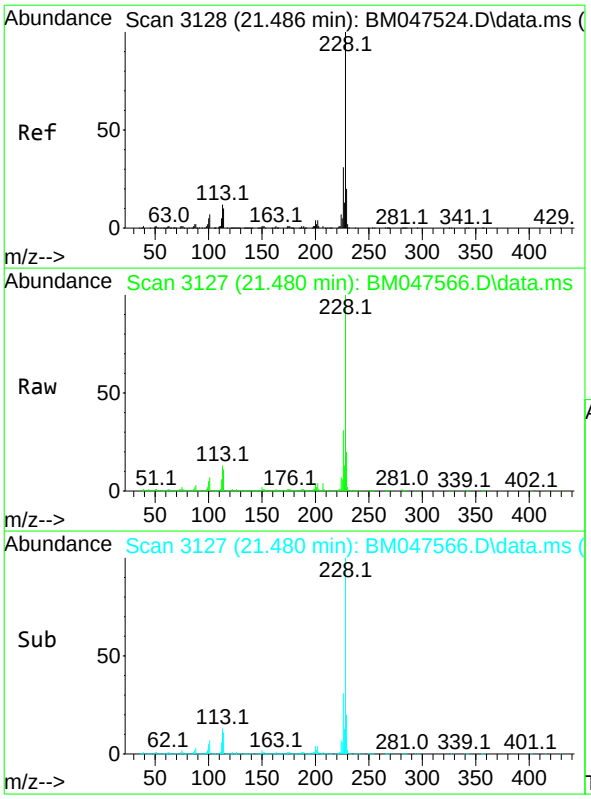



#82
3,3'-Dichlorobenzidine
Concen: 54.316 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 1405001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.5 | 77.3 |
| 126 | 13.9 | 10.3 | 15.5 |






#83
Chrysene
Concen: 40.556 ng
RT: 21.480 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

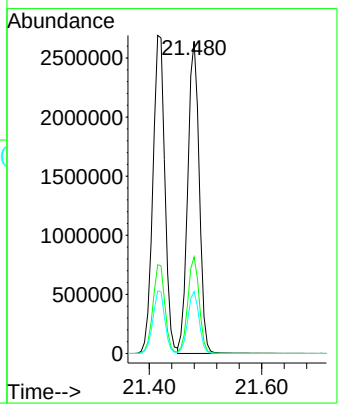
Tgt Ion:228 Resp: 3730252

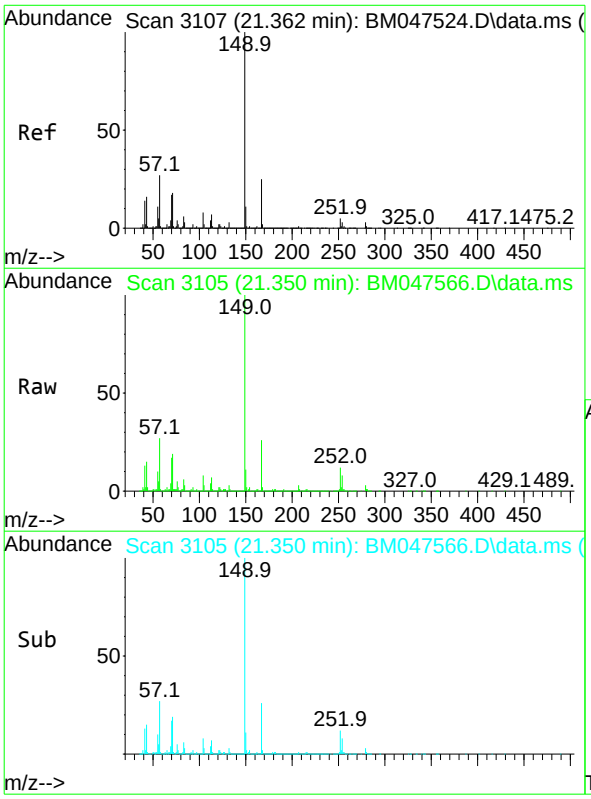
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 25.0 | 37.6 |
| 229 | 19.9 | 15.9 | 23.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

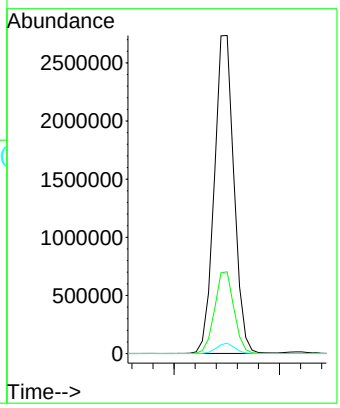


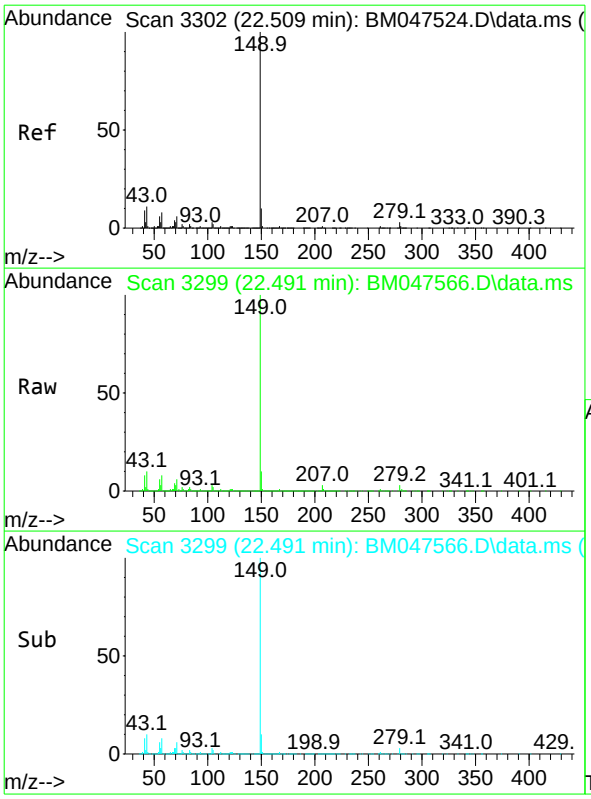




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.928 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 3539026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.7 | 20.2 | 30.4 |
| 279 | 3.3 | 2.6 | 4.0 |

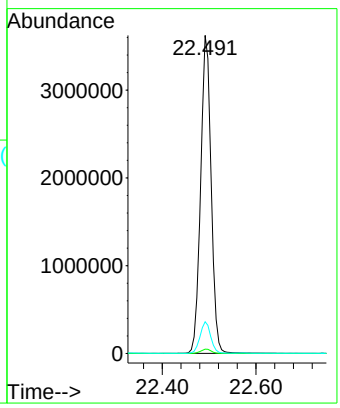





#85
Di-n-octyl phthalate
Concen: 60.483 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:149 Resp: 5614359

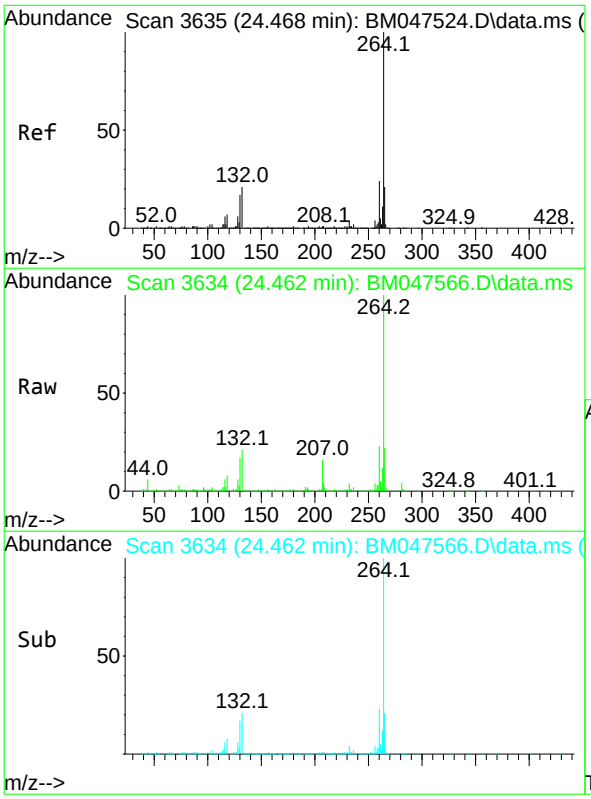
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 10.1 | 8.9 | 13.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

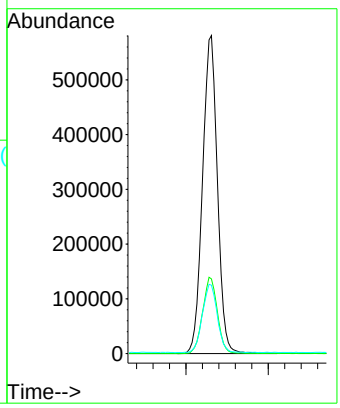
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

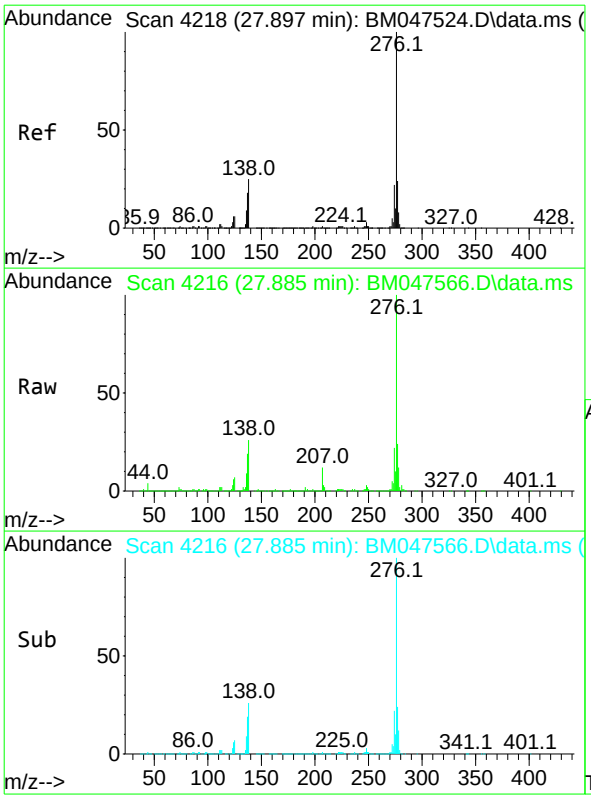



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:264 Resp: 1457823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.9 | 28.3 |
| 265 | 21.5 | 17.4 | 26.2 |






#87
Indeno(1,2,3-cd)pyrene
Concen: 45.304 ng
RT: 27.885 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

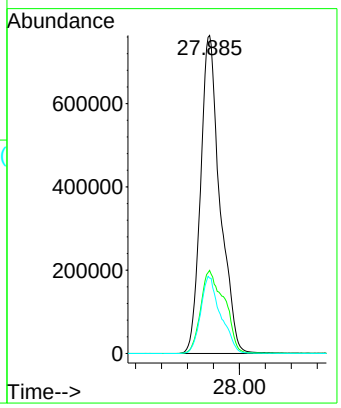
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

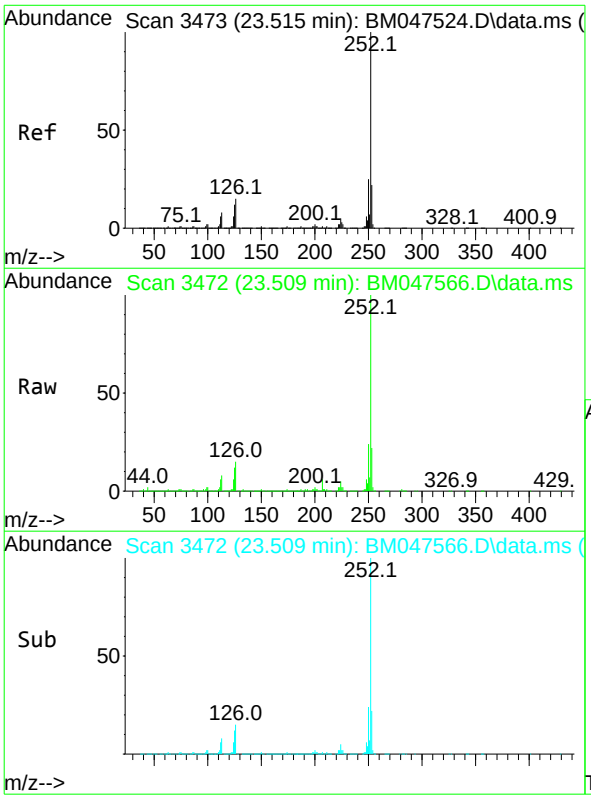
Tgt Ion:276 Resp: 3952483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.0 | 25.0 | 37.6 |
| 277 | 25.1 | 20.1 | 30.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

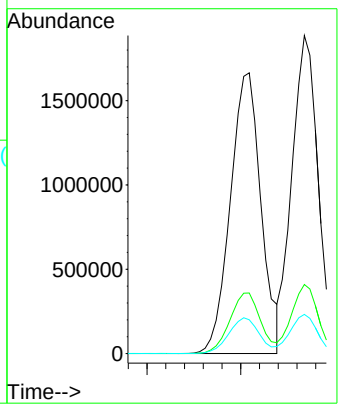


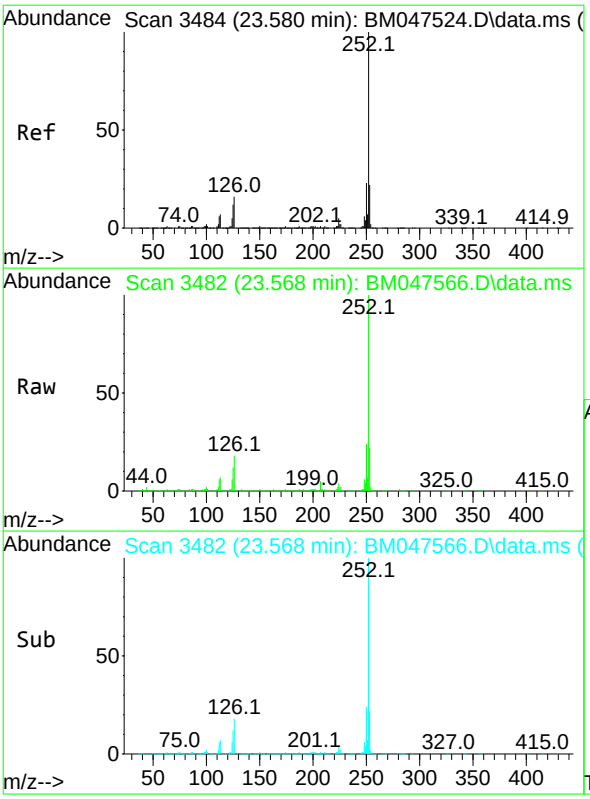




#88
Benzo(b)fluoranthene
Concen: 40.137 ng
RT: 23.509 min Scan# 3472
Delta R.T. -0.006 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 3785873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.8 |
| 125 | 12.0 | 9.5 | 14.3 |






#89
Benzo(k)fluoranthene
Concen: 39.316 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

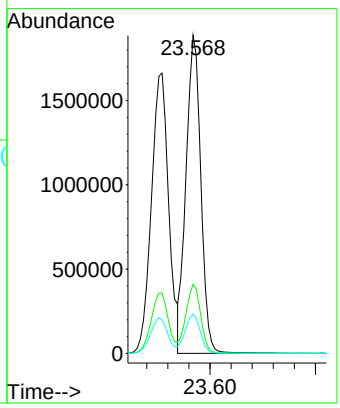
Tgt Ion:252 Resp: 3675308

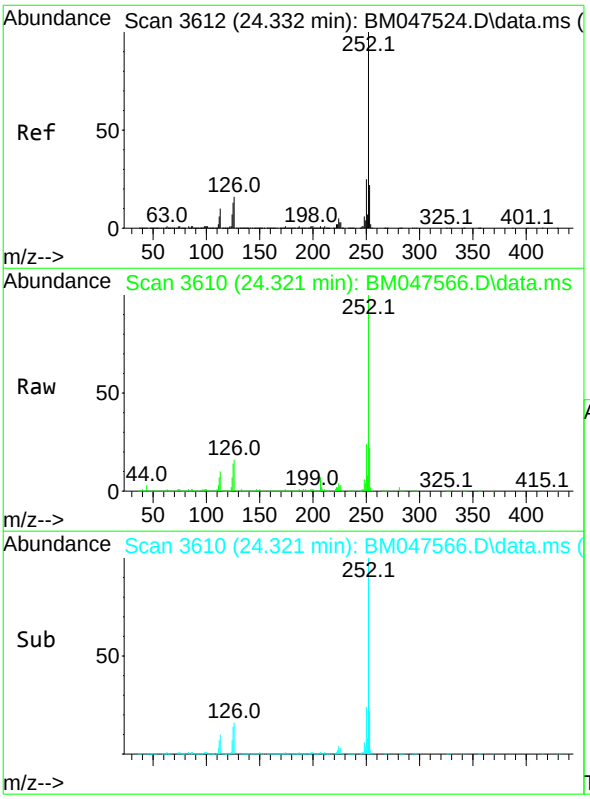
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 12.3 | 9.5 | 14.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

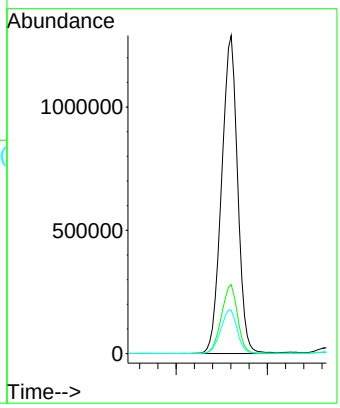


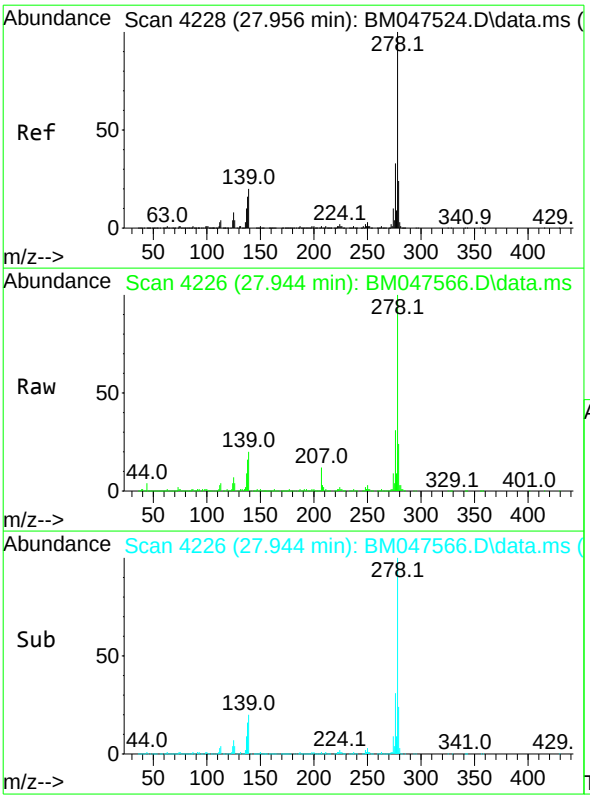




#90
Benzo(a)pyrene
Concen: 40.750 ng
RT: 24.321 min Scan# 3610
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:252 Resp: 3150288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 13.6 | 10.2 | 15.4 |






#91
Dibenzo(a,h)anthracene
Concen: 45.050 ng
RT: 27.944 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

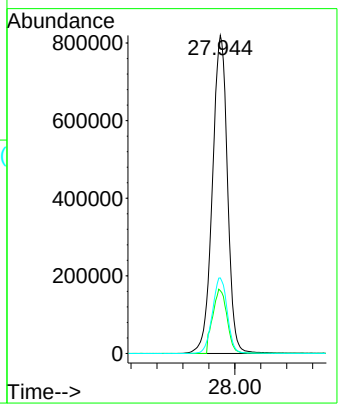
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

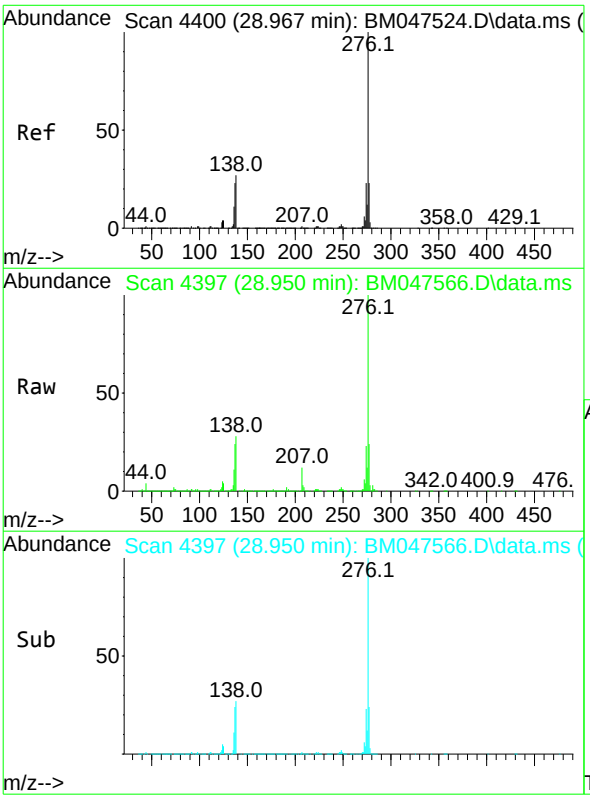
Tgt Ion:278 Resp: 3306709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.7 | 15.9 | 23.9 |
| 279 | 23.8 | 19.3 | 28.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

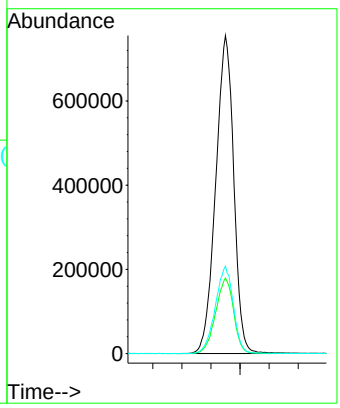



#92
Benzo(g,h,i)perylene
Concen: 45.311 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.018 min
Lab File: BM047566.D
Acq: 19 Sep 2024 11:49

Tgt Ion:276 Resp: 3248885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.6 | 28.0 |
| 138 | 27.5 | 21.5 | 32.3 |



Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 111 | -0.01 |
| 2 | | 1,4-Dioxane | 0.538 | 0.526 | 2.2 | 113 | -0.01 |
| 3 | | Pyridine | 1.601 | 1.529 | 4.5 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.727 | 0.650 | 10.6 | 99 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.256 | 1.306 | -4.0 | 117 | 0.00 |
| 6 | | Aniline | 1.568 | 1.518 | 3.2 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 1.769 | 1.780 | -0.6 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 1.385 | 1.381 | 0.3 | 110 | -0.01 |
| 9 | | Benzaldehyde | 0.841 | 0.864 | -2.7 | 115 | -0.01 |
| 10 | C | Phenol | 1.771 | 1.744 | 1.5 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.422 | 1.432 | -0.7 | 112 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.516 | 1.501 | 1.0 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.544 | 1.518 | 1.7 | 111 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.519 | 1.466 | 3.5 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.198 | 1.193 | 0.4 | 108 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.000 | 1.862 | 6.9 | 103 | 0.00 |
| 17 | | 2-Methylphenol | 1.132 | 1.105 | 2.4 | 106 | 0.00 |
| 18 | | Hexachloroethane | 0.617 | 0.627 | -1.6 | 113 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.193 | 1.152 | 3.4 | 103 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.579 | 1.514 | 4.1 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.526 | 0.517 | 1.7 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.400 | 0.407 | -1.7 | 104 | 0.00 |
| 24 | | Nitrobenzene | 0.411 | 0.412 | -0.2 | 103 | 0.00 |
| 25 | | Isophorone | 0.703 | 0.720 | -2.4 | 105 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.140 | 0.160 | -14.3 | 113 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.212 | 0.215 | -1.4 | 106 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.441 | 0.451 | -2.3 | 106 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.269 | 0.275 | -2.2 | 103 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.309 | 0.302 | 2.3 | 103 | -0.01 |
| 31 | | Naphthalene | 1.080 | 1.058 | 2.0 | 102 | -0.01 |
| 32 | | Benzoic acid | 0.187 | 0.226 | -20.9 | 122 | -0.01 |
| 33 | | 4-Chloroaniline | 0.391 | 0.375 | 4.1 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.171 | 0.168 | 1.8 | 103 | -0.01 |
| 35 | | Caprolactam | 0.089 | 0.097 | -9.0 | 107 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.309 | 0.317 | -2.6 | 103 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.719 | 0.693 | 3.6 | 99 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.714 | 0.685 | 4.1 | 99 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.541 | 0.545 | -0.7 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.177 | 0.194 | -9.6 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.193 | 0.201 | -4.1 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.339 | 0.366 | -8.0 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.383 | 0.407 | -6.3 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.452 | 1.489 | -2.5 | 94 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.556 | 1.577 | -1.3 | 96 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.208 | 1.206 | 0.2 | 95 | 0.00 |

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
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 | 0.355 | 0.393 | -10.7 | 100 | 0.00 |
| 49 | | Acenaphthylene | 1.744 | 1.766 | -1.3 | 94 | 0.00 |
| 50 | | Dimethylphthalate | 1.363 | 1.412 | -3.6 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.288 | 0.308 | -6.9 | 99 | -0.01 |
| 52 | C | Acenaphthene | 1.222 | 1.250 | -2.3 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.347 | -8.4 | 99 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.125 | 0.149 | -19.2 | 111 | 0.00 |
| 55 | | Dibenzofuran | 1.717 | 1.690 | 1.6 | 93 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.263 | 0.291 | -10.6 | 99 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.384 | 0.413 | -7.6 | 97 | 0.00 |
| 58 | | Fluorene | 1.546 | 1.546 | 0.0 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.299 | 0.307 | -2.7 | 96 | -0.01 |
| 60 | | Diethylphthalate | 1.451 | 1.571 | -8.3 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.707 | 0.696 | 1.6 | 89 | 0.00 |
| 62 | | 4-Nitroaniline | 0.376 | 0.403 | -7.2 | 92 | 0.00 |
| 63 | | Azobenzene | 1.597 | 1.675 | -4.9 | 97 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.091 | 0.104 | -14.3 | 108 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.612 | 0.614 | -0.3 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.194 | 0.192 | 1.0 | 92 | 0.00 |
| 68 | | Hexachlorobenzene | 0.220 | 0.218 | 0.9 | 93 | 0.00 |
| 69 | | Atrazine | 0.169 | 0.142 | 16.0 | 76 | 0.00 |
| 70 | C | Pentachlorophenol | 0.128 | 0.146 | -14.1 | 102 | 0.00 |
| 71 | | Phenanthrene | 1.102 | 1.082 | 1.8 | 90 | 0.00 |
| 72 | | Anthracene | 1.059 | 1.059 | 0.0 | 91 | -0.01 |
| 73 | | Carbazole | 1.049 | 1.066 | -1.6 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.256 | 1.479 | -17.8 | 105 | 0.00 |
| 75 | C | Fluoranthene | 1.203 | 1.232 | -2.4 | 91 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 92 | -0.01 |
| 77 | | Benzidine | 0.282 | 0.463 | -64.2# | 168# | 0.00 |
| 78 | | Pyrene | 1.459 | 1.474 | -1.0 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.116 | 1.244 | -11.5 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.562 | 0.730 | -29.9# | 114 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.304 | 1.336 | -2.5 | 92 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.347 | 0.471 | -35.7# | 119 | 0.00 |
| 83 | | Chrysene | 1.233 | 1.250 | -1.4 | 91 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.880 | 1.186 | -34.8# | 117 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.244 | 1.882 | -51.3# | 133 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.197 | 1.356 | -13.3 | 128 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.294 | 1.298 | -0.3 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.282 | 1.261 | 1.6 | 103 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.061 | 1.080 | -1.8 | 110 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.007 | 1.134 | -12.6 | 127 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 0.984 | 1.114 | -13.2 | 128 | -0.02 |

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 111 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.098 | 2.3 | 113 | -0.01 |
| 3 | | Pyridine | 40.000 | 38.199 | 4.5 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.796 | 10.5 | 99 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.155 | -3.9 | 117 | 0.00 |
| 6 | | Aniline | 40.000 | 38.709 | 3.2 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.521 | -0.7 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.896 | 0.3 | 110 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 41.071 | -2.7 | 115 | -0.01 |
| 10 | C | Phenol | 40.000 | 39.375 | 1.6 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.276 | -0.7 | 112 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.620 | 1.0 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.324 | 1.7 | 111 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.586 | 3.5 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.820 | 0.4 | 108 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.226 | 6.9 | 103 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.073 | 2.3 | 106 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.686 | -1.7 | 113 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.623 | 3.4 | 103 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.353 | 4.1 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.336 | 1.7 | 102 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.415 | -1.8 | 104 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.125 | -0.3 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.999 | -2.5 | 105 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 45.878 | -14.7 | 113 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.532 | -1.3 | 106 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.891 | -2.2 | 106 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.760 | -1.9 | 103 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.082 | 2.3 | 103 | -0.01 |
| 31 | | Naphthalene | 40.000 | 39.178 | 2.1 | 102 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 43.933 | -9.8 | 122 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.458 | 3.9 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.348 | 1.6 | 103 | -0.01 |
| 35 | | Caprolactam | 40.000 | 43.628 | -9.1 | 107 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.032 | -2.6 | 103 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.531 | 3.7 | 99 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.352 | 4.1 | 99 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.279 | -0.7 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.840 | -9.6 | 101 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.145 | -3.9 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.230 | -8.1 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.523 | -6.3 | 98 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.051 | -2.6 | 94 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.533 | -1.3 | 96 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.928 | 0.2 | 95 | 0.00 |

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 44.296 | -10.7 | 100 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.512 | -1.3 | 94 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.425 | -3.6 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.810 | -7.0 | 99 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 40.913 | -2.3 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.417 | -8.5 | 99 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.515 | -13.8 | 111 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.385 | 1.5 | 93 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 44.188 | -10.5 | 99 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.073 | -7.7 | 97 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.999 | 0.0 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.149 | -2.9 | 96 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 43.320 | -8.3 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.419 | 1.5 | 89 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.836 | -7.1 | 92 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.953 | -4.9 | 97 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.931 | -4.8 | 108 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.138 | -0.3 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.463 | 1.3 | 92 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.554 | 1.1 | 93 | 0.00 |
| 69 | | Atrazine | 40.000 | 33.602 | 16.0 | 76 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 45.647 | -14.1 | 102 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.274 | 1.8 | 90 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.996 | 0.0 | 91 | -0.01 |
| 73 | | Carbazole | 40.000 | 40.624 | -1.6 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 47.117 | -17.8 | 105 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.964 | -2.4 | 91 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | -0.01 |
| 77 | | Benzidine | 40.000 | 65.820 | -64.5# | 168 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.414 | -1.0 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 89.167 | -11.5 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 51.985 | -30.0# | 114 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.003 | -2.5 | 92 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 54.316 | -35.8# | 119 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.556 | -1.4 | 91 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 53.928 | -34.8# | 117 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 60.483 | -51.2# | 133 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.304 | -13.3 | 128 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.137 | -0.3 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.316 | 1.7 | 103 | -0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.750 | -1.9 | 110 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 45.050 | -12.6 | 127 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 45.311 | -13.3 | 128 | -0.02 |

Sample Results: **BM047566.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047566.D
Acq On : 19 Sep 2024 11:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 19 13:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

# QC SAMPLE DATA

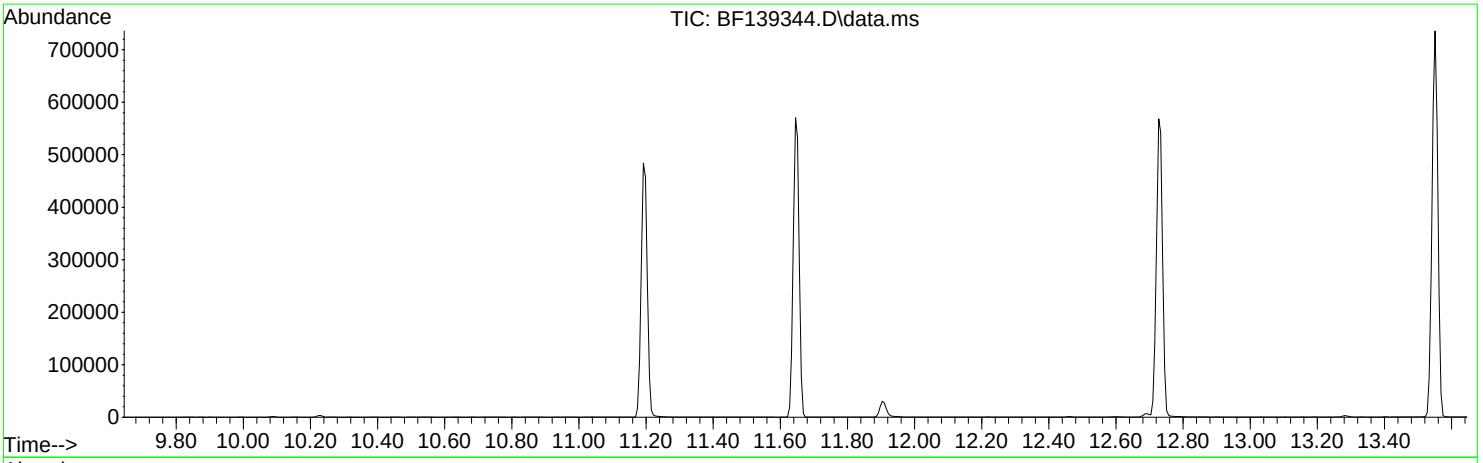
Sample Results: **BF139344.D**

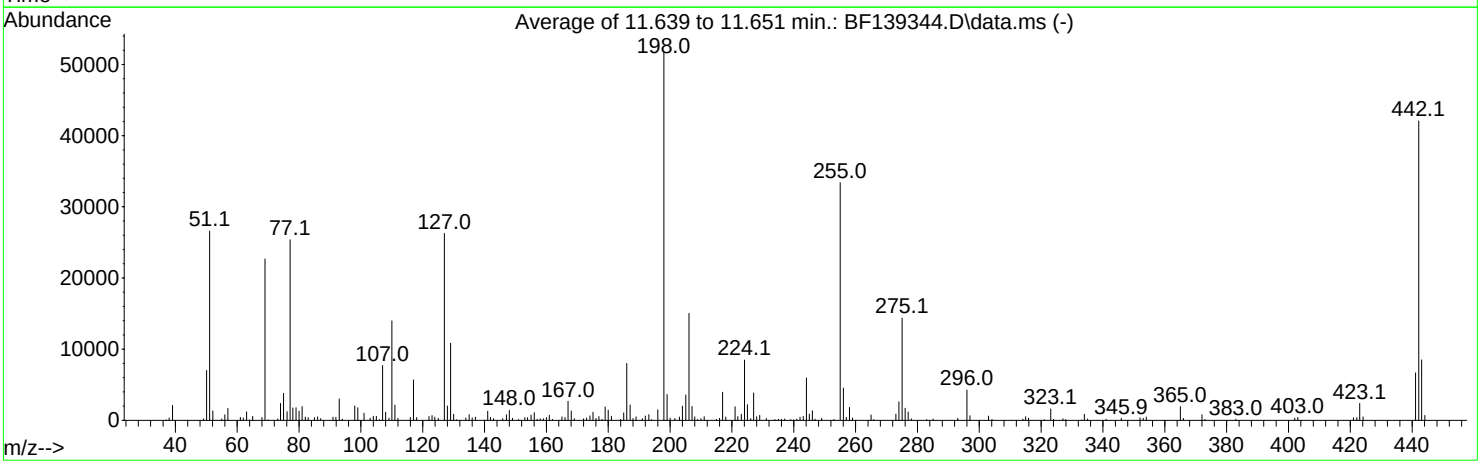
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139344.D
Acq On : 13 Sep 2024 14:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 14 02:58:23 2024




AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

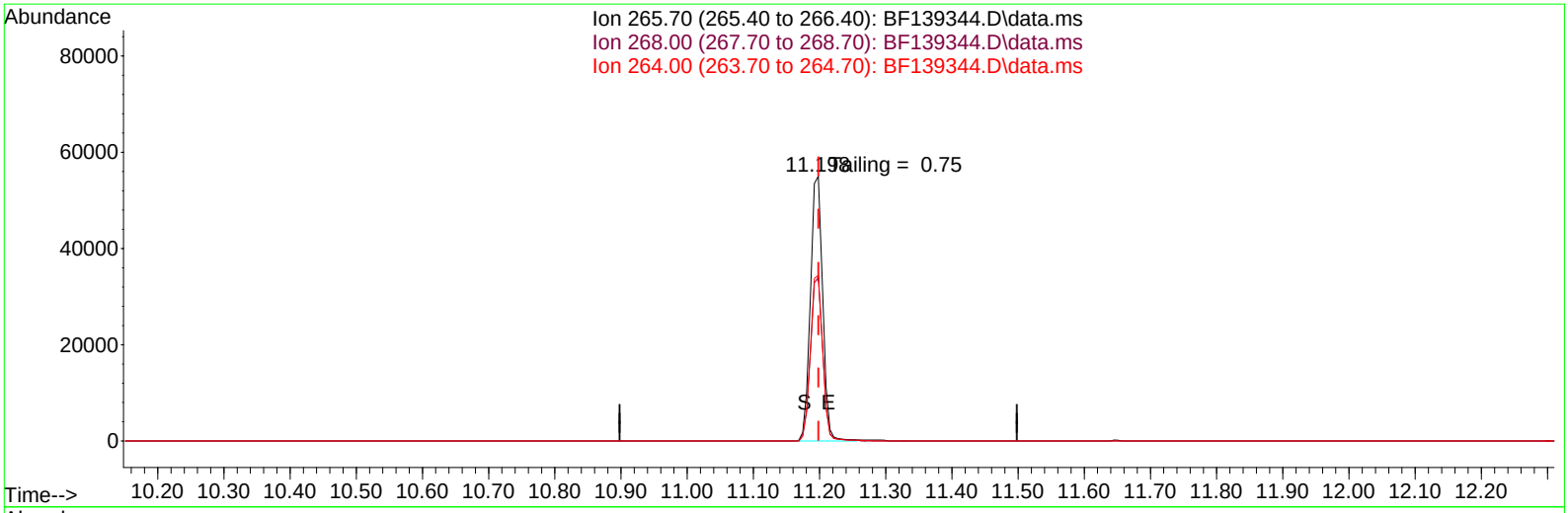
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 51.4 | 26587 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 408 | PASS |
| 69 | 198 | 0.00 | 100 | 43.9 | 22688 | PASS |
| 70 | 69 | 0.00 | 2 | 0.3 | 58 | PASS |
| 127 | 198 | 10 | 80 | 50.8 | 26253 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 51680 | PASS |
| 199 | 198 | 5 | 9 | 7.0 | 3638 | PASS |
| 275 | 198 | 10 | 60 | 27.8 | 14373 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 1928 | PASS |
| 441 | 198 | 0.01 | 100 | 12.9 | 6681 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 42051 | PASS |
| 443 | 442 | 15 | 24 | 20.2 | 8504 | PASS |

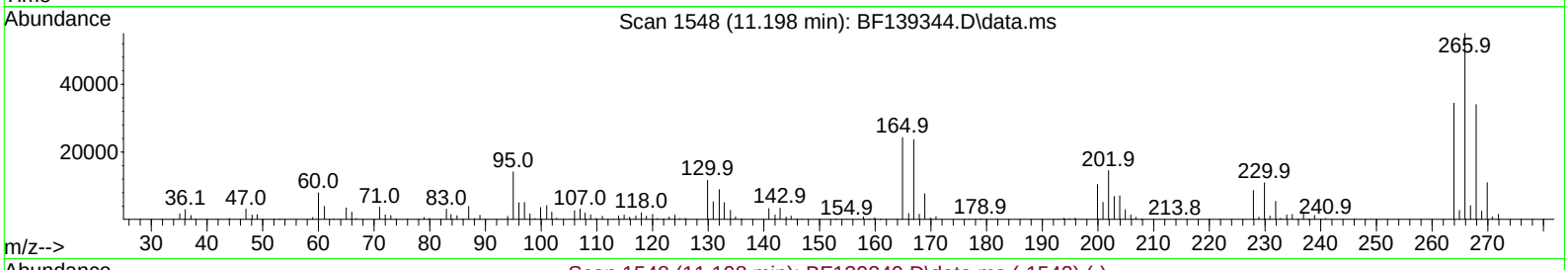
Sample Results: **BF139344.D**

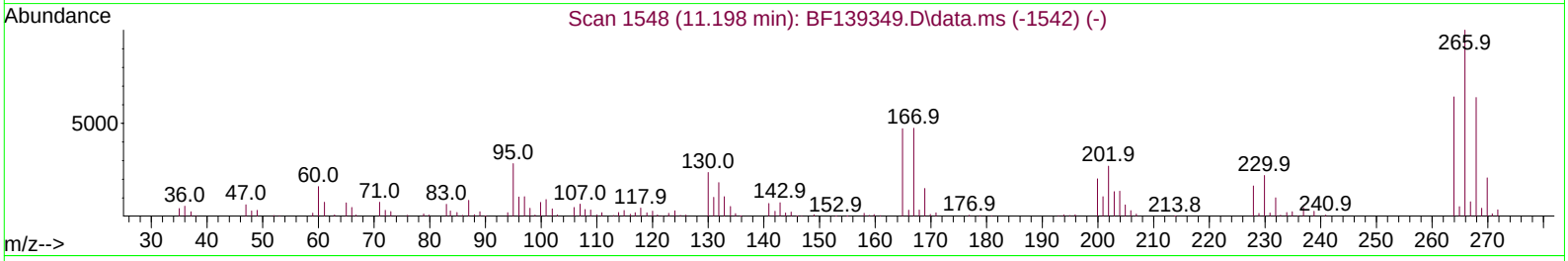
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139344.D
Acq On : 13 Sep 2024 14:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 14 03:25:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration




TIC: BF139344.D\data.ms

**(70) Pentachlorophenol (C)**

**11.198min (-0.000) 38365.64 ng**

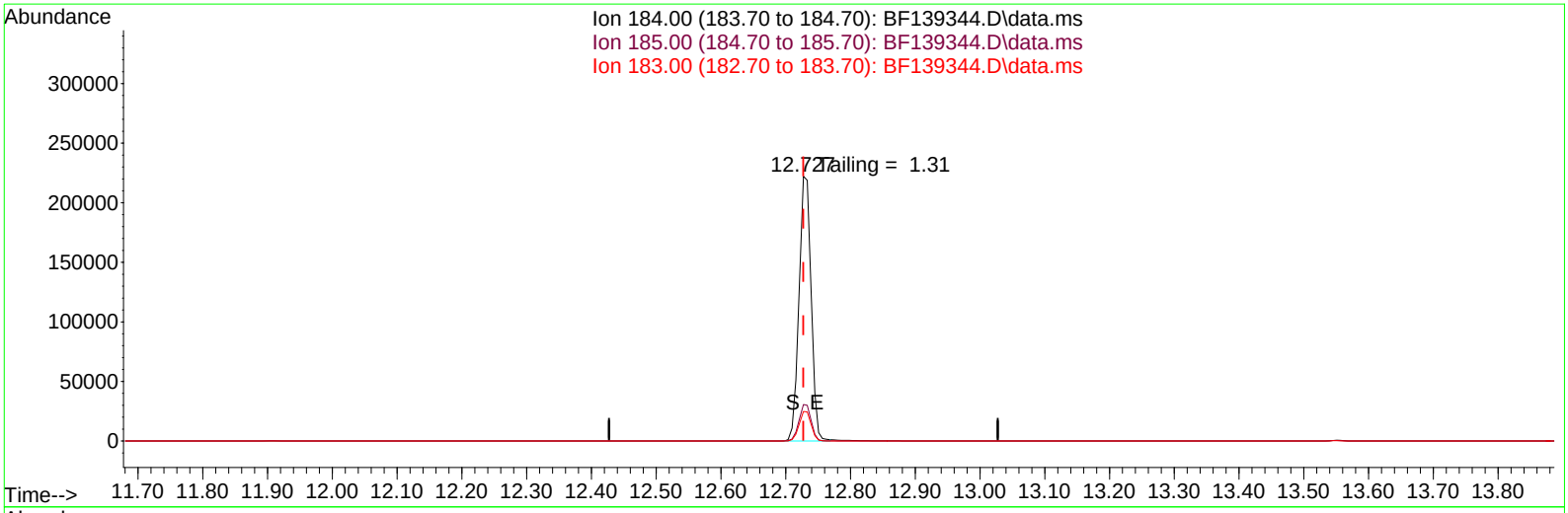
**response 71487**

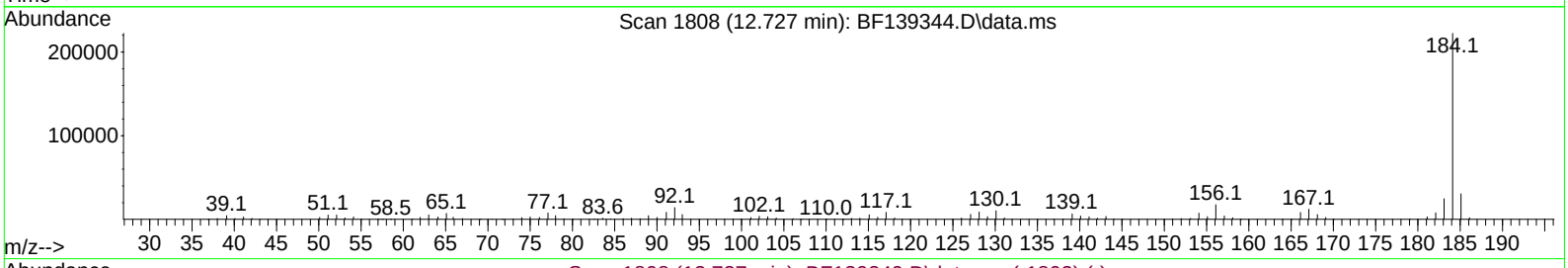
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.90 | 61.78 |
| 264.00 | 64.20 | 62.58 |
| 0.00 | 0.00 | 0.00 |

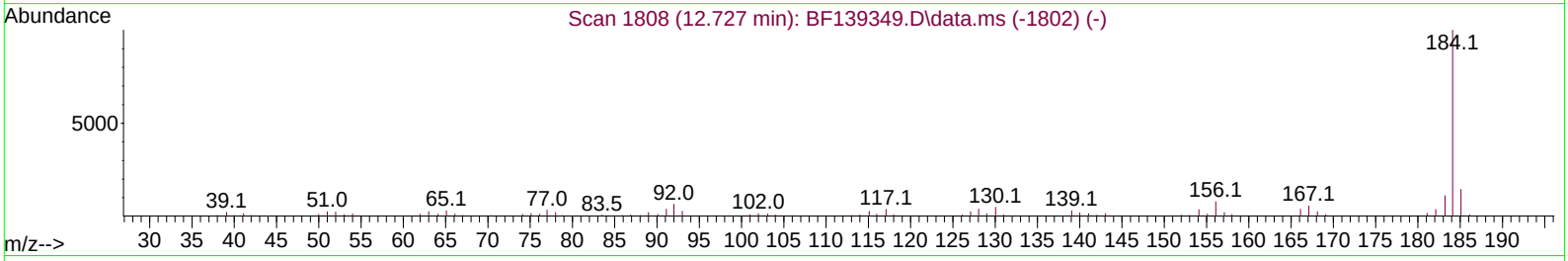
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091324\
Data File : BF139344.D
Acq On : 13 Sep 2024 14:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 14 03:25:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration




TIC: BF139344.D\data.ms

**(77) Benzidine**

**12.727min (-0.000) 0.00 ng**

**response 292142**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.80 |
| 183.00 | 11.10 | 11.14 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 9/13/2024 | BNA_F | BF139344.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 167916 | 13.551 |
| DDD | 1258 | 13.28 |
| DDE | 0 | 12.927 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 1258 | 169174 | 0.74 |
| | | |

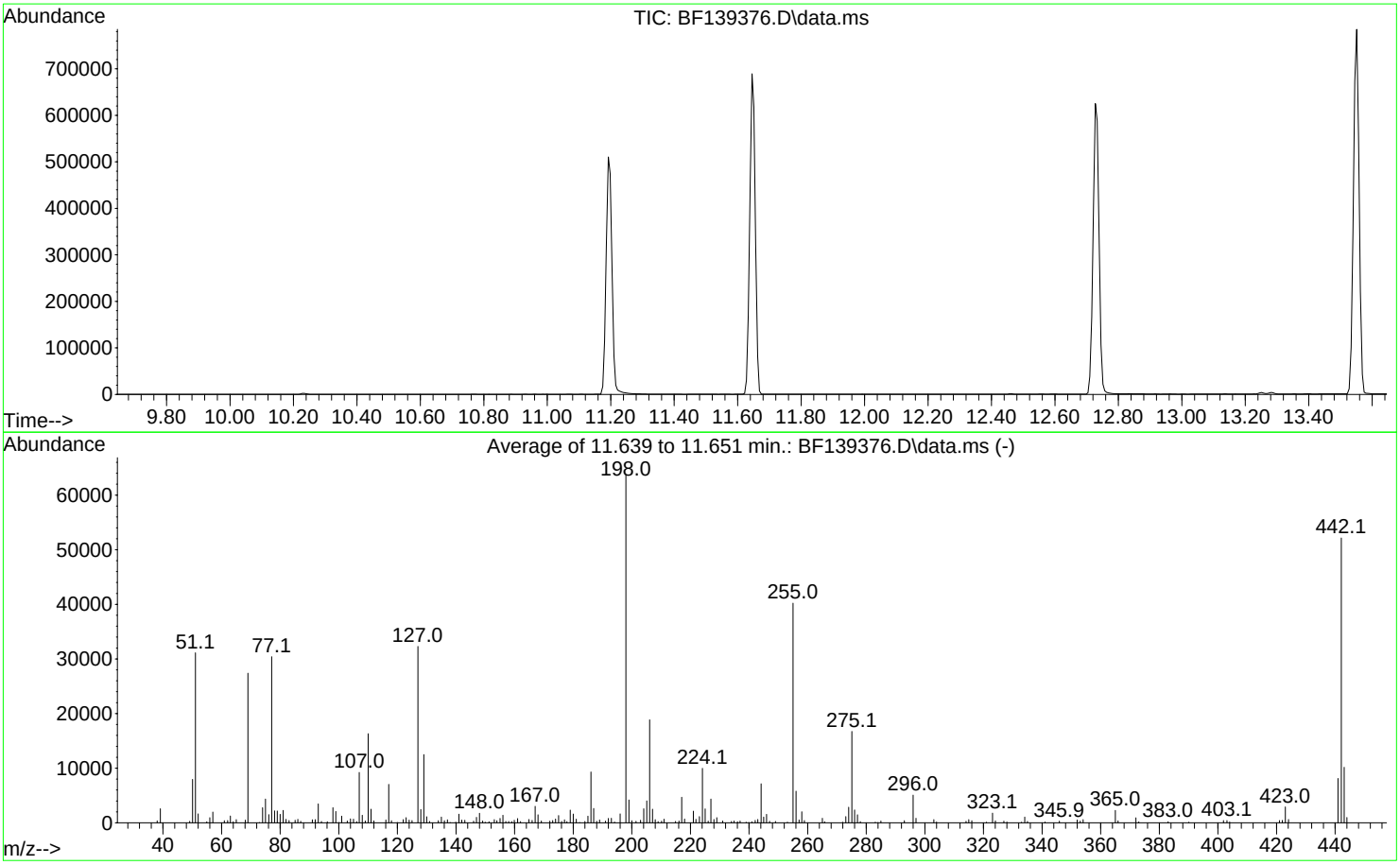
Sample Results: **BF139376.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139376.D
Acq On : 16 Sep 2024 10:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 14 02:58:23 2024




AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

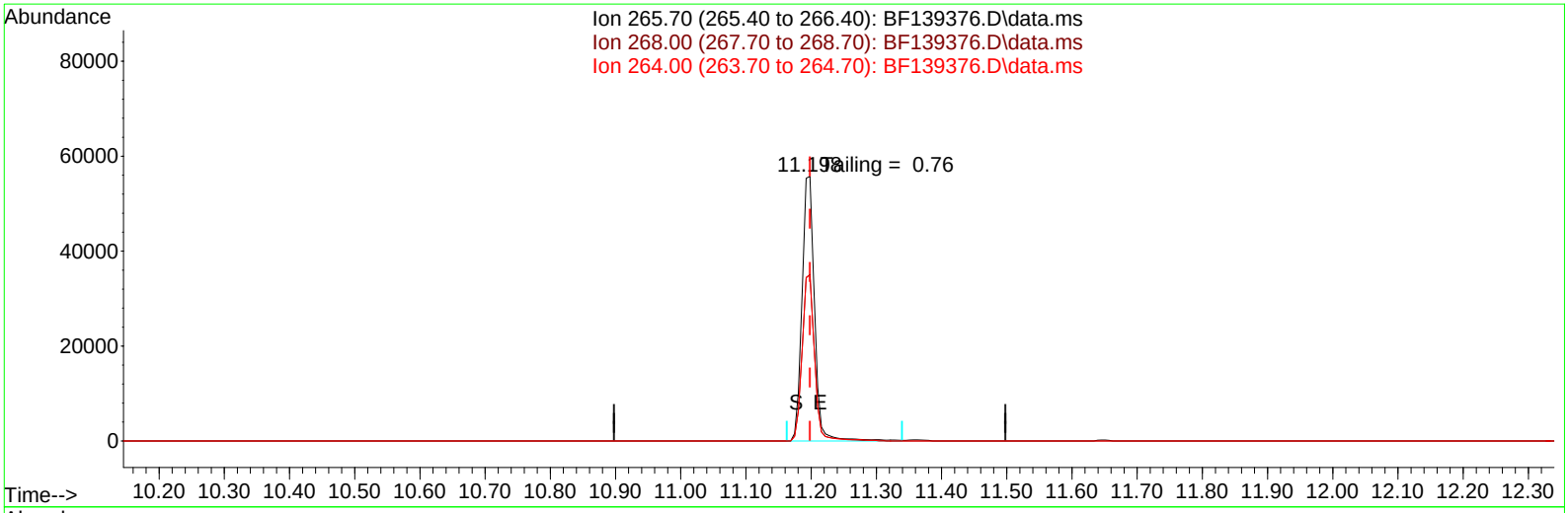
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 48.9 | 31123 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 503 | PASS |
| 69 | 198 | 0.00 | 100 | 43.0 | 27395 | PASS |
| 70 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 127 | 198 | 10 | 80 | 50.7 | 32280 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 63672 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 4197 | PASS |
| 275 | 198 | 10 | 60 | 26.3 | 16737 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 2271 | PASS |
| 441 | 198 | 0.01 | 100 | 12.7 | 8118 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 52165 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 10168 | PASS |

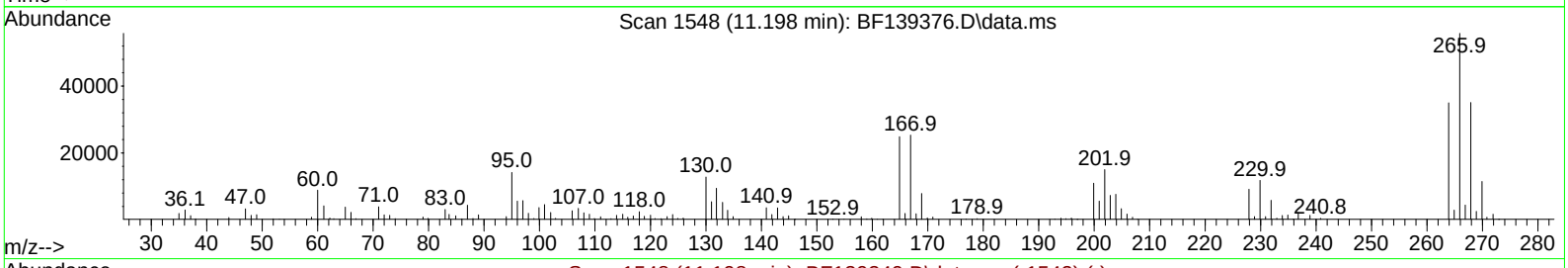
Sample Results: **BF139376.D**

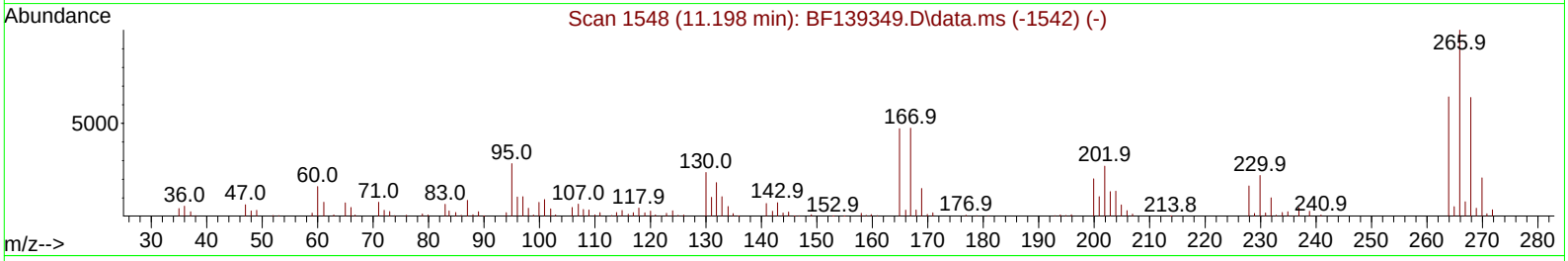
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139376.D
Acq On : 16 Sep 2024 10:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 16 11:15:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration




TIC: BF139376.D\data.ms

**(70) Pentachlorophenol (C)**

**11.198min ( 0.000) 35373.17 ng**

**response 74798**

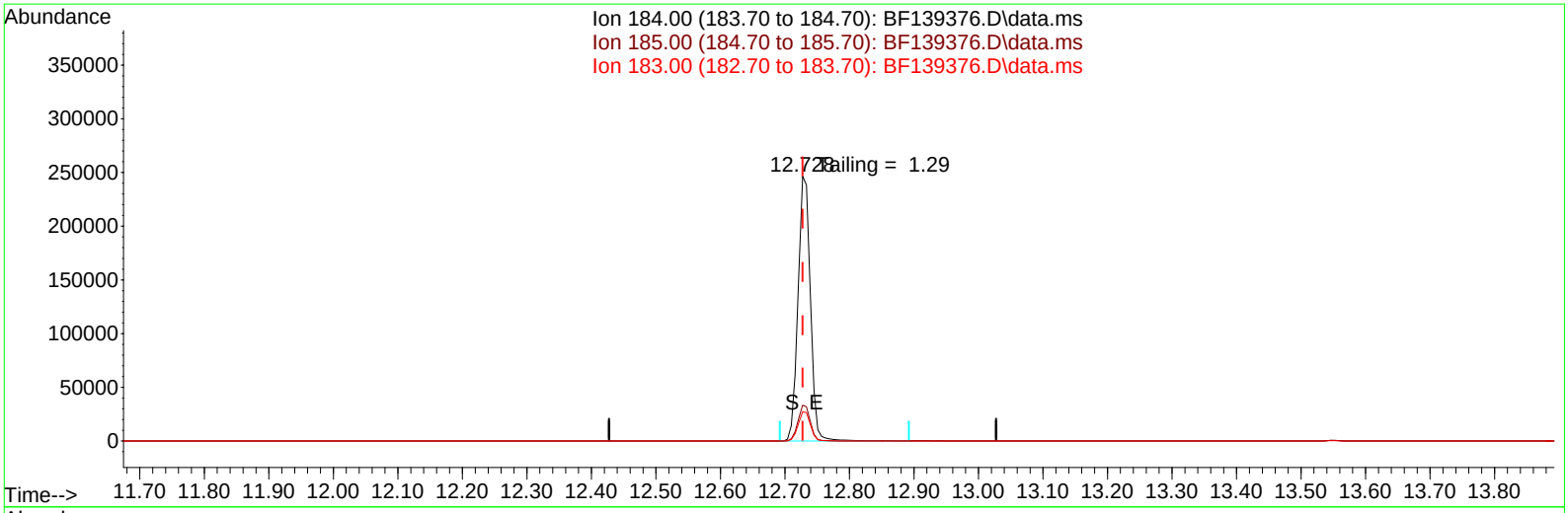
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.90 | 62.89 |
| 264.00 | 64.20 | 62.73 |
| 0.00 | 0.00 | 0.00 |

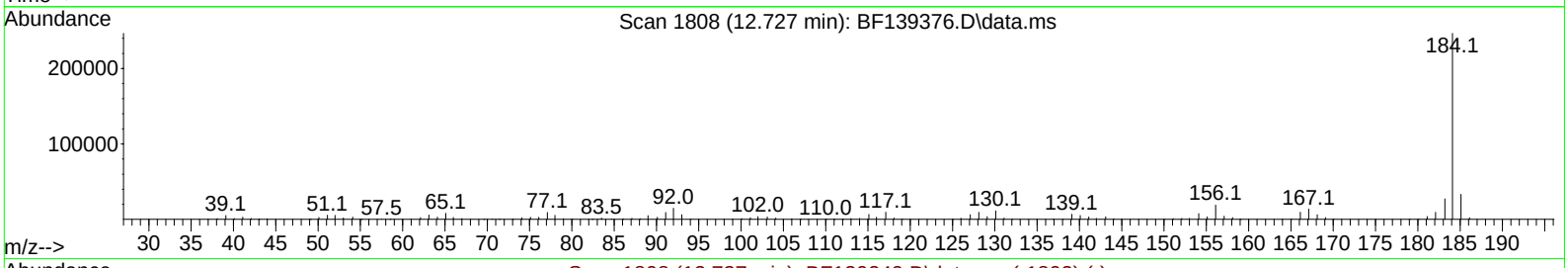
Sample Results: **BF139376.D**

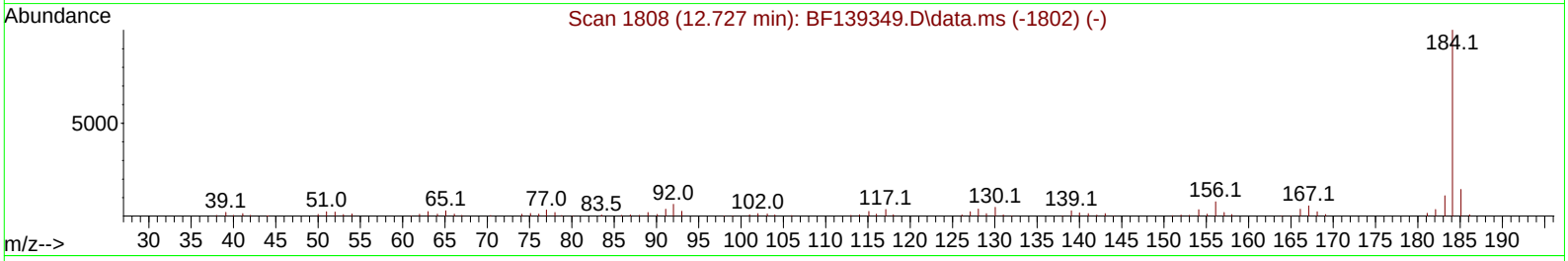
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139376.D
Acq On : 16 Sep 2024 10:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 16 11:15:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration




TIC: BF139376.D\data.ms

**(77) Benzidine**

**12.727min ( 0.000) 0.00 ng**

**response 330188**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.54 |
| 183.00 | 11.10 | 11.05 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 9/16/2024 | BNA_F | BF139376.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 183313 | 13.551 |
| DDD | 2677 | 13.251 |
| DDE | 59 | 12.916 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 2736 | 186049 | 1.47 |
| | | |

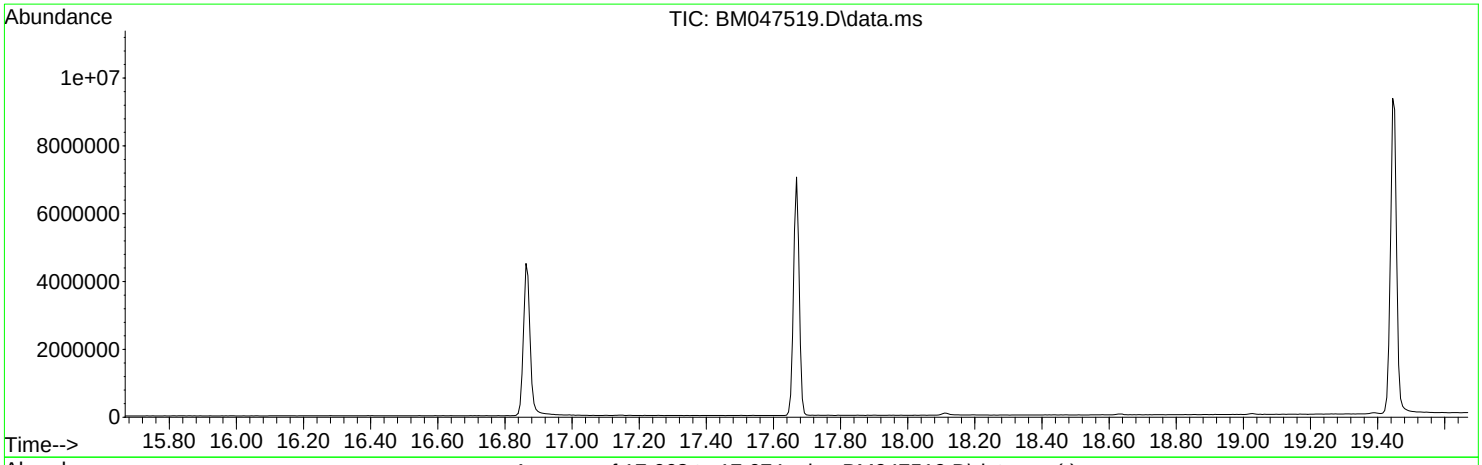
Sample Results: **BM047519.D**

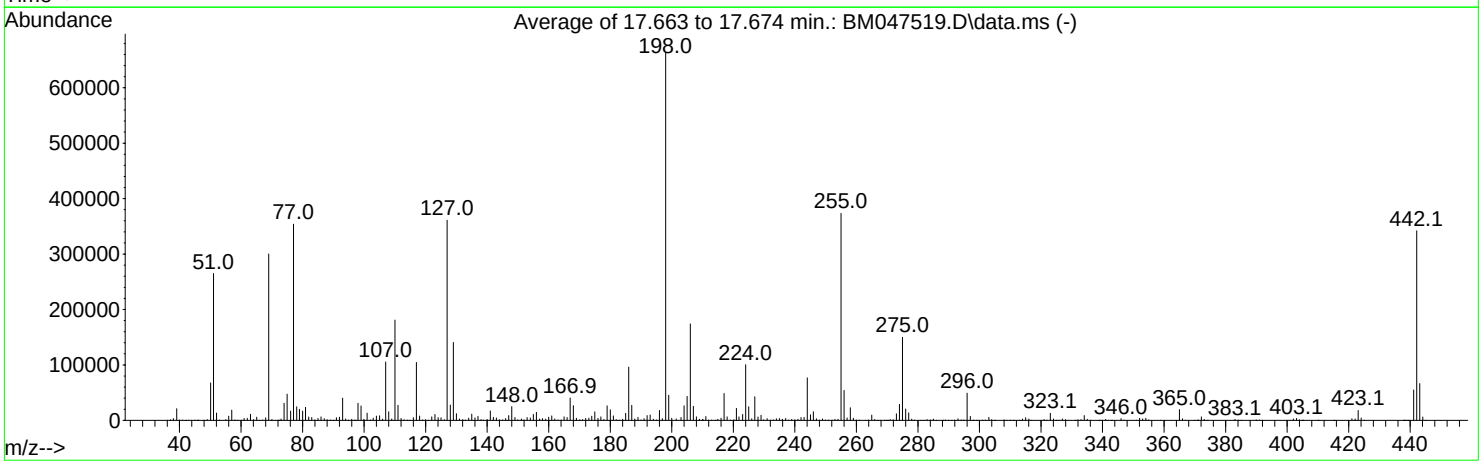
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024




AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2471

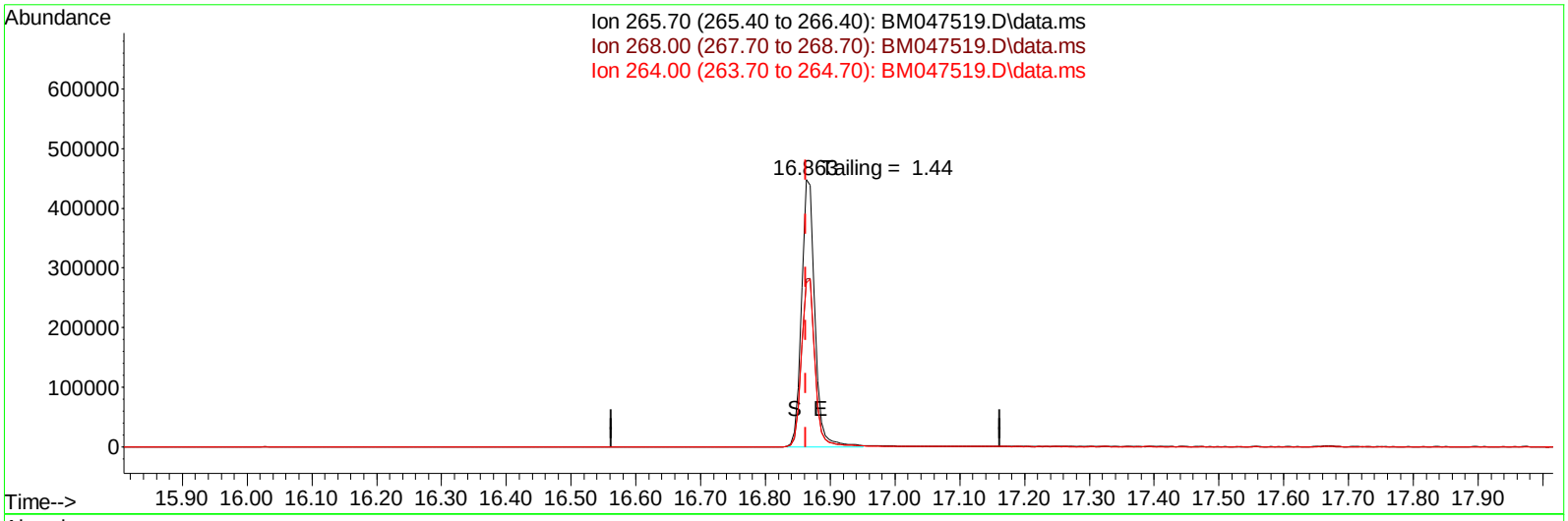
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 39.9 | 264866 | PASS |
| 68 | 69 | 0.00 | 2 | 1.5 | 4554 | PASS |
| 69 | 198 | 0.00 | 100 | 45.2 | 300217 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 1725 | PASS |
| 127 | 198 | 10 | 80 | 54.4 | 361109 | PASS |
| 197 | 198 | 0.00 | 2 | 0.5 | 3353 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 663616 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 45408 | PASS |
| 275 | 198 | 10 | 60 | 22.6 | 149971 | PASS |
| 365 | 198 | 1 | 100 | 2.9 | 19493 | PASS |
| 441 | 198 | 0.01 | 100 | 8.3 | 54813 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 341973 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 66293 | PASS |

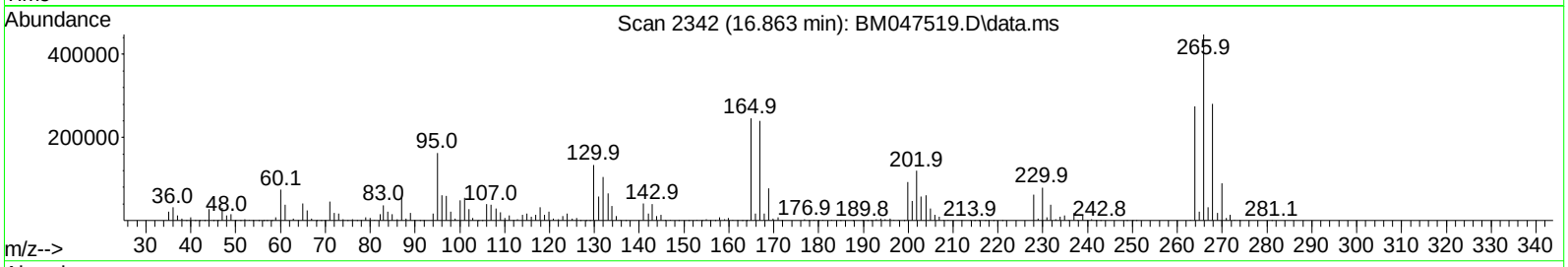
Sample Results: **BM047519.D**

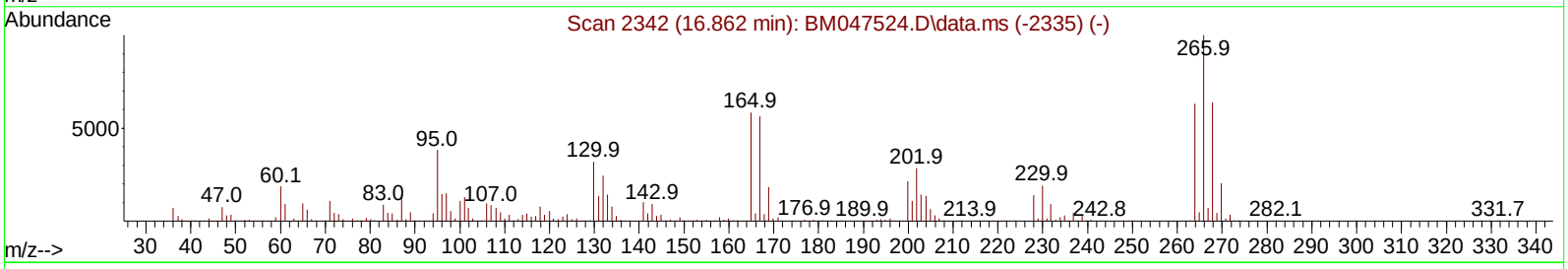
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration




TIC: BM047519.D\data.ms

**(70) Pentachlorophenol (C)**

**16.863min (+ 0.000) 149789.64 ng**

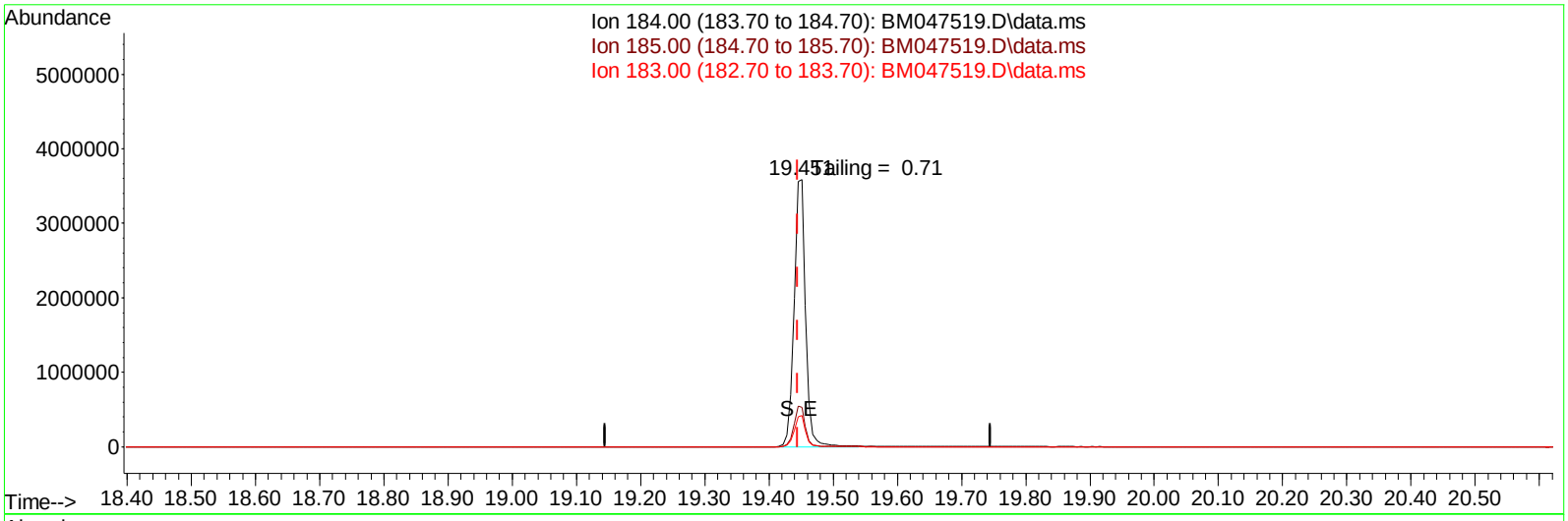
**response 629866**

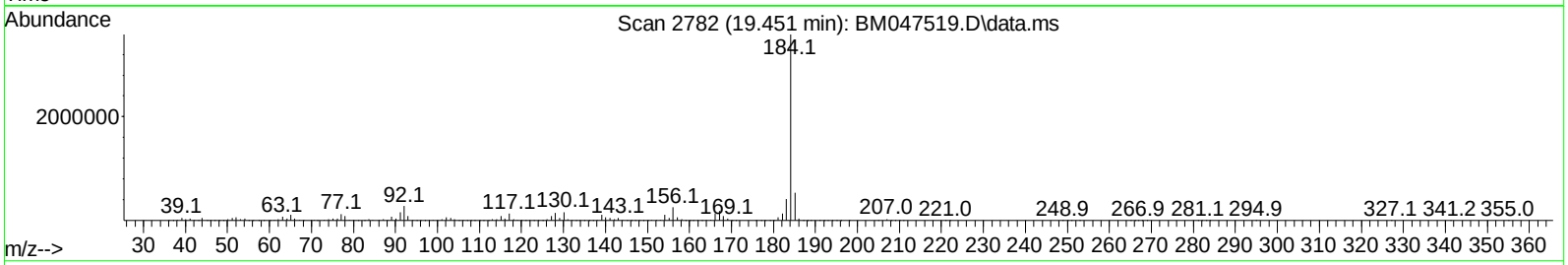
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.70 | 62.83 |
| 264.00 | 63.00 | 61.38 |
| 0.00 | 0.00 | 0.00 |

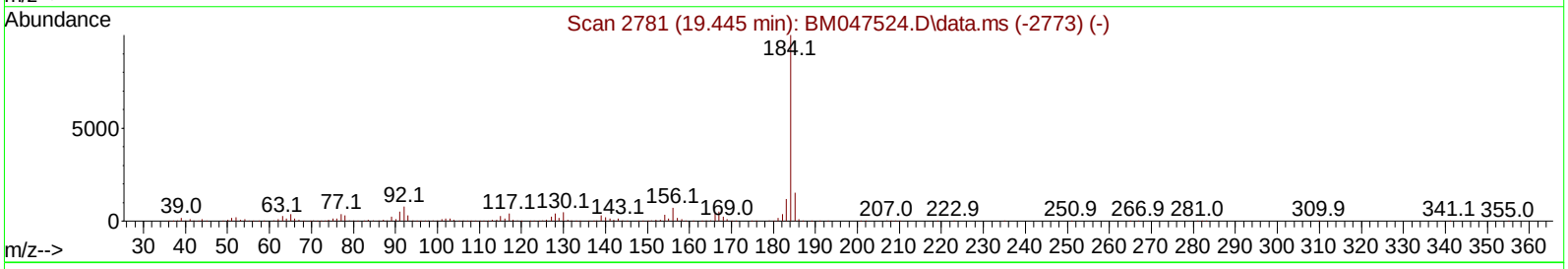
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091424\
Data File : BM047519.D
Acq On : 14 Sep 2024 11:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Sep 15 09:03:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration




TIC: BM047519.D\data.ms

**(77) Benzidine**

**19.451min (+ 0.006) 303907.69 ng**

**response 4609731**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.20 | 14.82 |
| 183.00 | 12.00 | 11.61 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 9/14/2024 | BNA_M | BM047519.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 2011863 | 20.686 |
| DDD | 13962 | 20.304 |
| DDE | 0 | 19.892 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 13962 | 2025825 | 0.69 |
| | | |

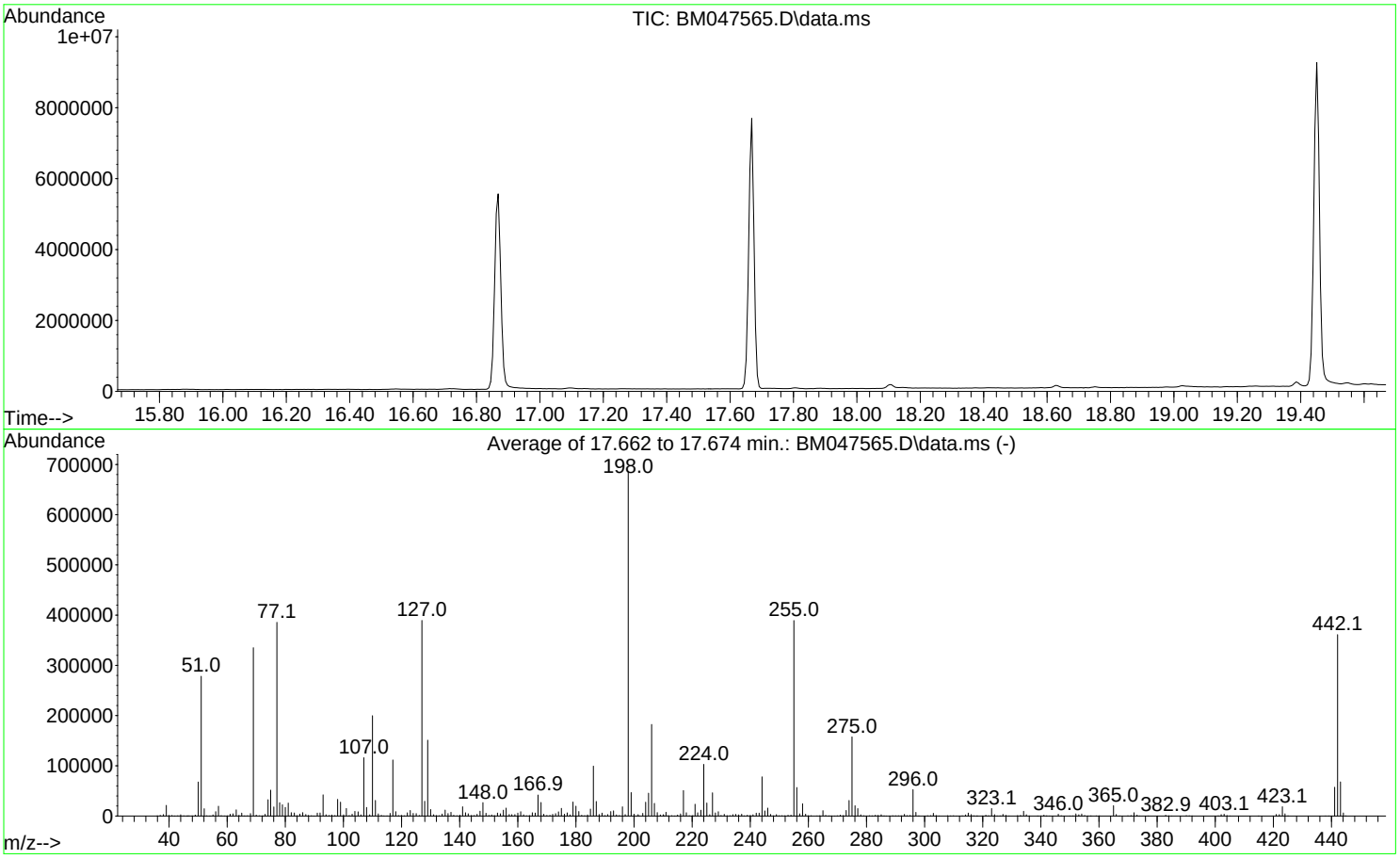
Sample Results: **BM047565.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Sep 15 08:56:37 2024




AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2470

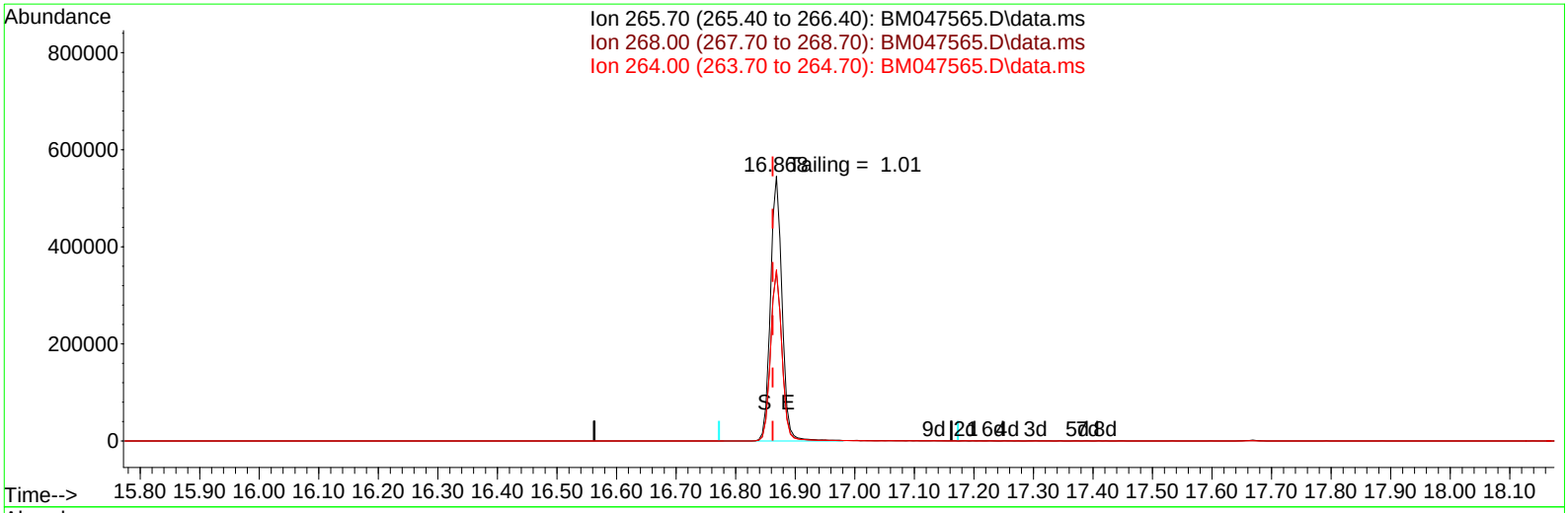
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 40.6 | 278274 | PASS |
| 68 | 69 | 0.00 | 2 | 1.5 | 4882 | PASS |
| 69 | 198 | 0.00 | 100 | 48.9 | 335179 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 1919 | PASS |
| 127 | 198 | 10 | 80 | 56.8 | 389461 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 2928 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 685845 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 46739 | PASS |
| 275 | 198 | 10 | 60 | 23.0 | 157611 | PASS |
| 365 | 198 | 1 | 100 | 3.0 | 20608 | PASS |
| 441 | 198 | 0.01 | 100 | 8.4 | 57341 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 361152 | PASS |
| 443 | 442 | 15 | 24 | 18.8 | 68013 | PASS |

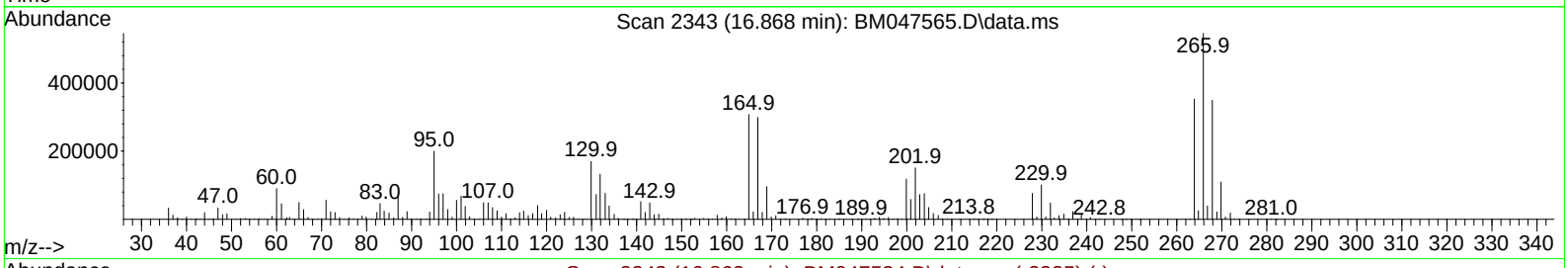
Sample Results: **BM047565.D**

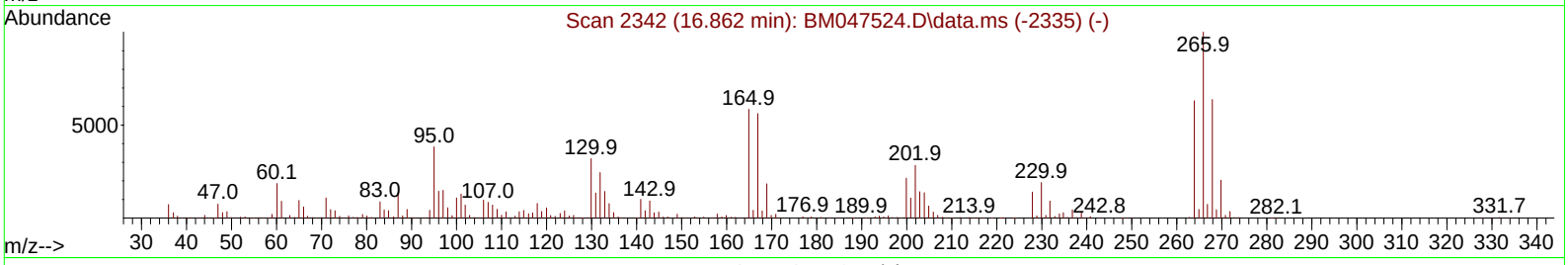
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration




TIC: BM047565.D\data.ms

**(70) Pentachlorophenol (C)**

**16.868min (+ 0.006) 28826.43 ng m**

**response 749732**

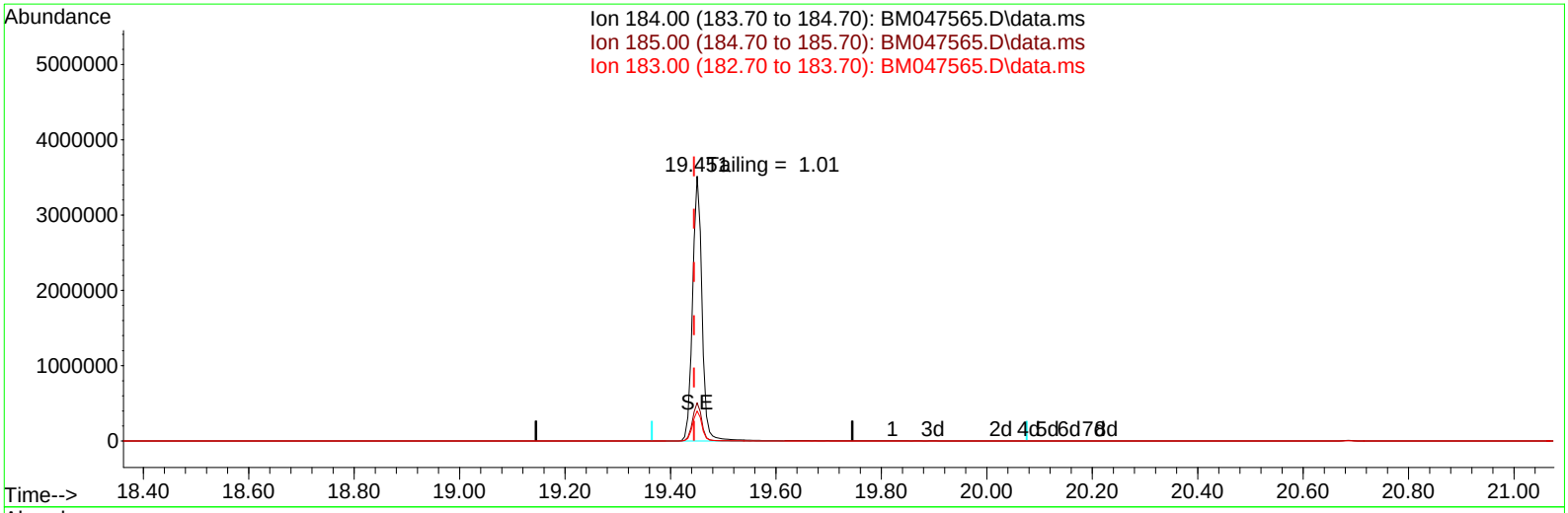
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.70 | 64.05 |
| 264.00 | 63.00 | 64.66 |
| 0.00 | 0.00 | 0.00 |

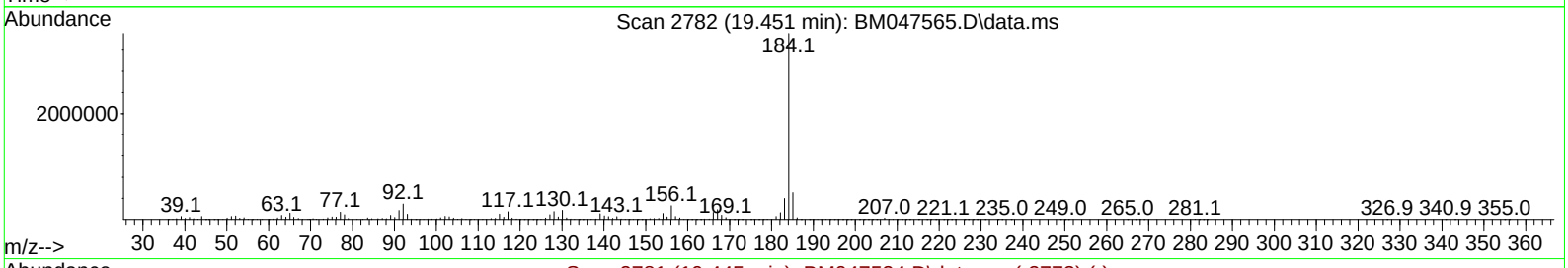
Sample Results: **BM047565.D**

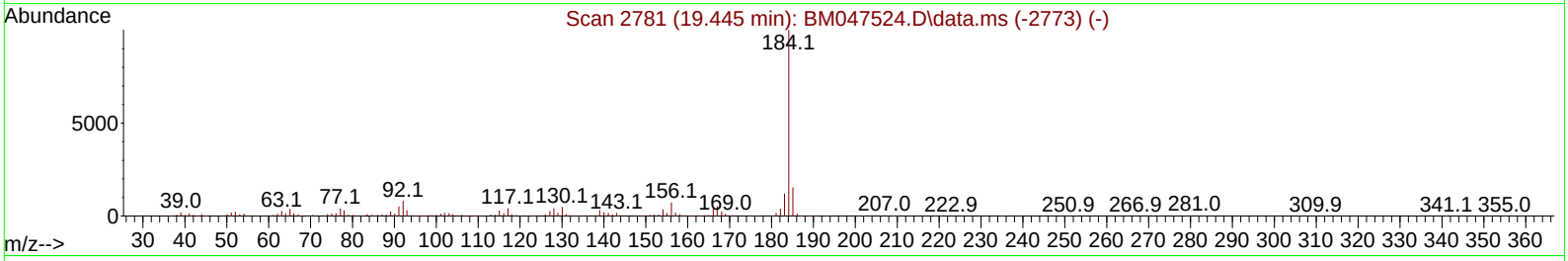
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047565.D
Acq On : 19 Sep 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Sep 19 12:50:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration




TIC: BM047565.D\data.ms

**(77) Benzidine**

**19.451min (+ 0.006) 2160538.53 ng m**

**response 4472986**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.20 | 14.44 |
| 183.00 | 12.00 | 11.35 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 9/19/2024 | BNA_M | BM047565.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1796898 | 20.686 |
| DDD | 111808 | 20.245 |
| DDE | 3650 | 19.745 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 115458 | 1912356 | 6.04 |
| | | |

Raw Data: **BM047567.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB163318BL | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047567.D | 1 | 09/12/24 08:40 | 09/19/24 12:35 | PB163318 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 108-95-2 | Phenol | 0.93 | U | 0.93 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.71 | U | 0.71 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.10 | U | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.20 | U | 1.20 | 10.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 2.00 | U | 2.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 1.50 | U | 1.50 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.88 | U | 0.88 | 5.00 | ug/L |
| 65-85-0 | Benzoic acid | 5.50 | U | 5.50 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.84 | U | 0.84 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.89 | U | 0.89 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 1.00 | U | 1.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 6.40 | U | 6.40 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.00 | U | 2.00 | 10.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3.10 | U | 3.10 | 10.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.90 | U | 1.90 | 10.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.79 | U | 0.79 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 124 | | 10 - 139 | 83% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 109 | | 10 - 134 | 73% | SPK: 150 |
| 118-79-6 | 2,4,6-Tribromophenol | 107 | | 44 - 137 | 71% | SPK: 150 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 354000 | 7.839 | | | |
| 1146-65-2 | Naphthalene-d8 | 1340000 | 10.633 | | | |
| 15067-26-2 | Acenaphthene-d10 | 660000 | 14.474 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1170000 | 17.209 | | | |
| 1719-03-5 | Chrysene-d12 | 865000 | 21.433 | | | |
| 1520-96-3 | Perylene-d12 | 939000 | 24.456 | | | |

Raw Data: **BM047567.D**

Alliance TECHNICAL GROUP

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Chemtech Consulting Group | | | Date Collected: | |
| Project: | NJ Waste Water PT | | | Date Received: | |
| Client Sample ID: | PB163318BL | | | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BL | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047567.D | 1 | 09/12/24 08:40 | 09/19/24 12:35 | PB163318 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

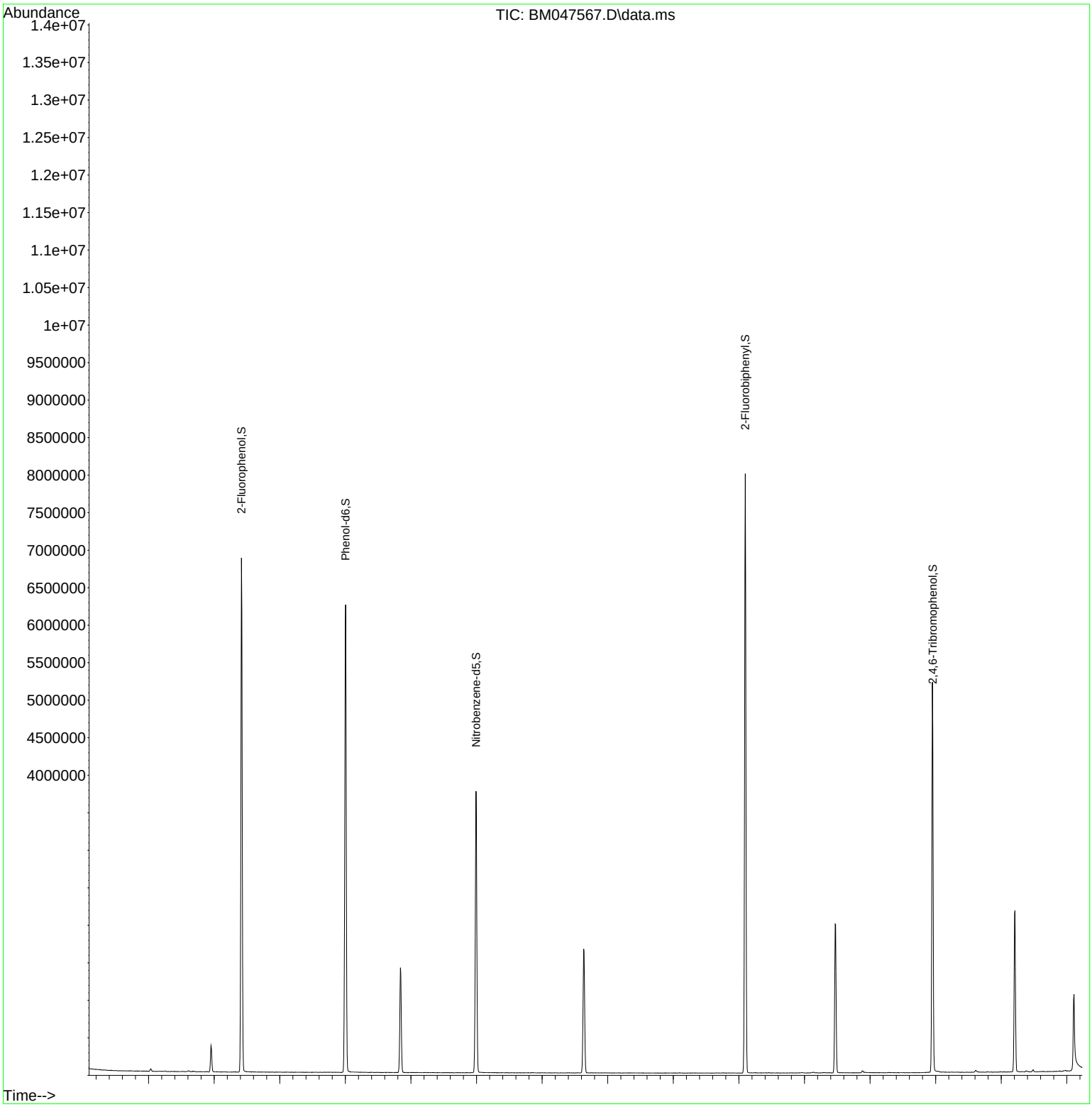
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.839 | 152 | 353821 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.633 | 136 | 1340234 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 659710 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.209 | 188 | 1165231 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 864552 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 24.456 | 264 | 939242 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 2760872 | 124.241 | ng | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 3405572 | 108.822 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.992 | 82 | 2088000 | 77.969 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 682393 | 107.014 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 3670972 | 76.653 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.821 | 244 | 4587860 | 95.092 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

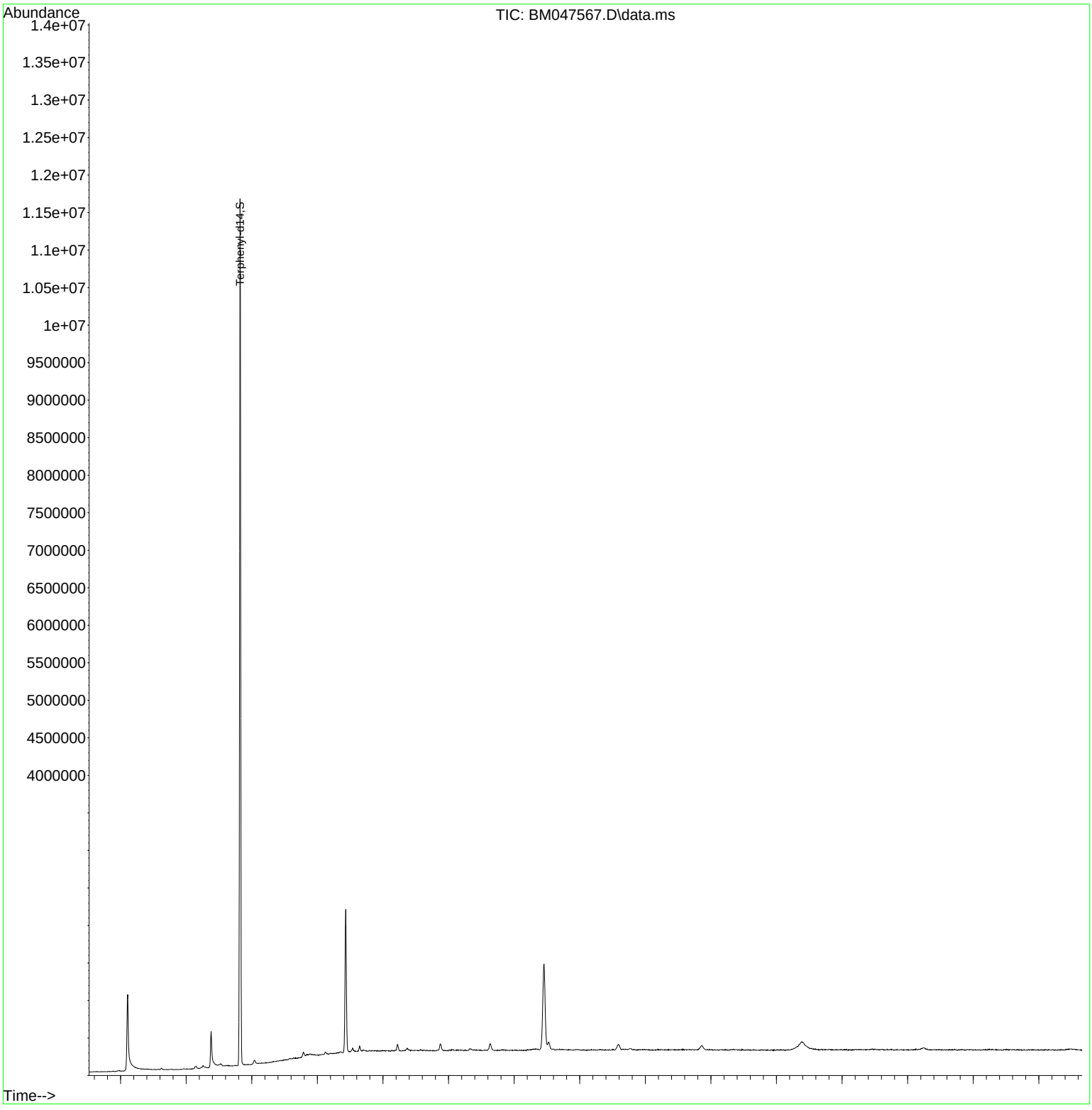


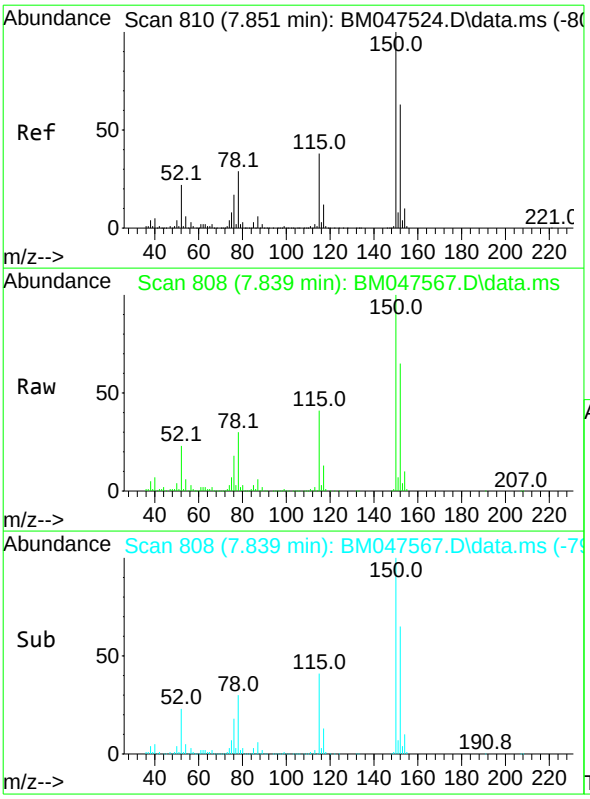
Sample Results: **BM047567.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047567.D
Acq On : 19 Sep 2024 12:35
Operator : RC/JU
Sample : PB163318BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Quant Time: Sep 19 13:22:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration



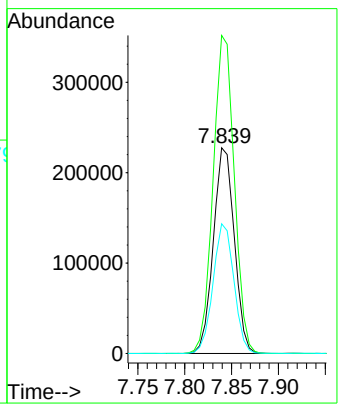


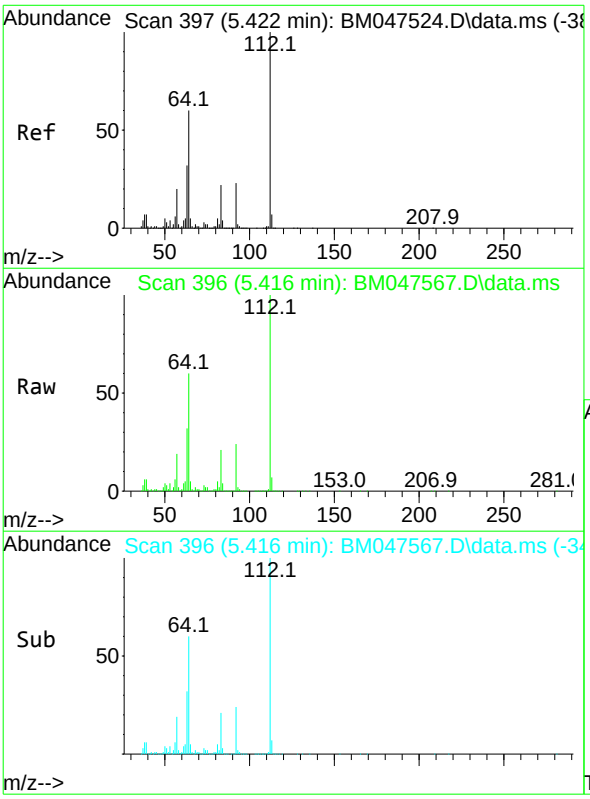

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion:152 Resp: 353821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.6 | 126.8 | 190.2 |
| 115 | 63.0 | 47.8 | 71.8 |

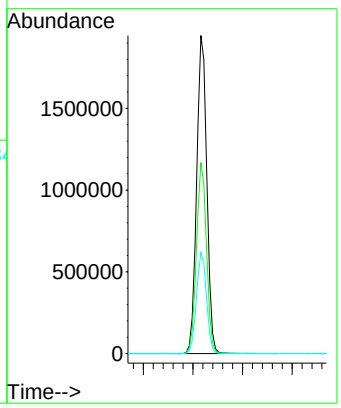


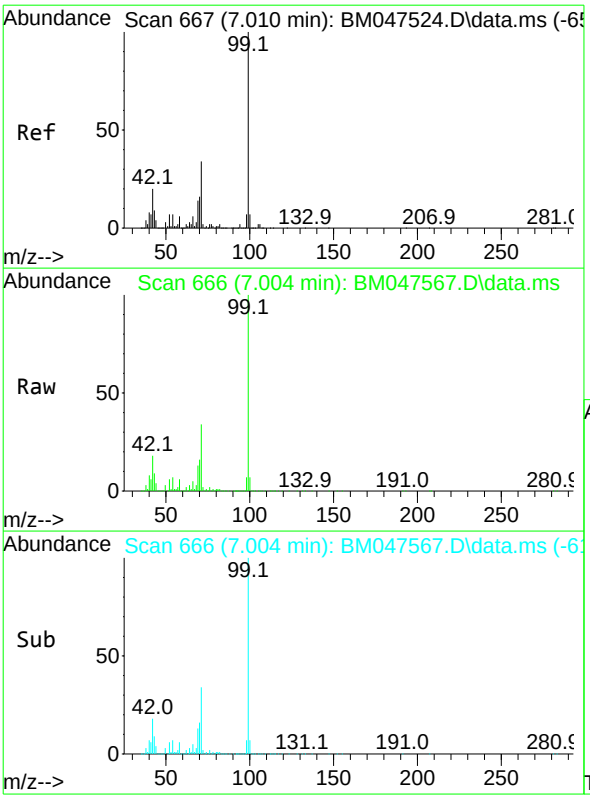




#5
2-Fluorophenol
Concen: 124.241 ng
RT: 5.416 min Scan# 396
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:112 Resp: 2760872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 48.2 | 72.4 |
| 63 | 31.8 | 26.0 | 39.0 |



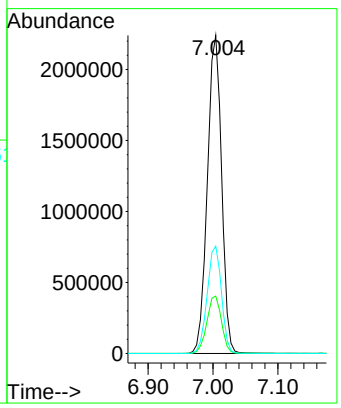


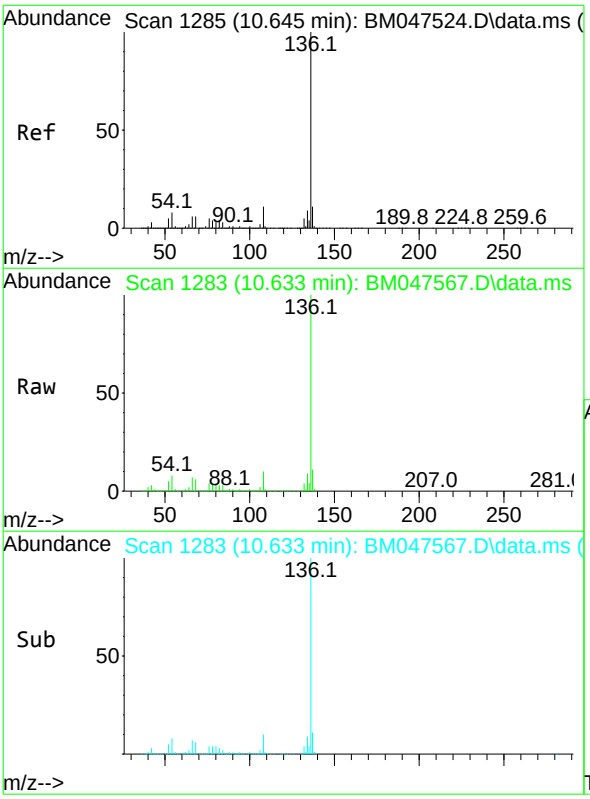

#7
Phenol-d6
Concen: 108.822 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion: 99 Resp: 3405572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.1 | 15.8 | 23.8 |
| 71 | 33.8 | 27.6 | 41.4 |

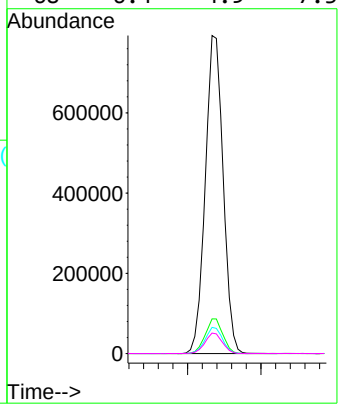


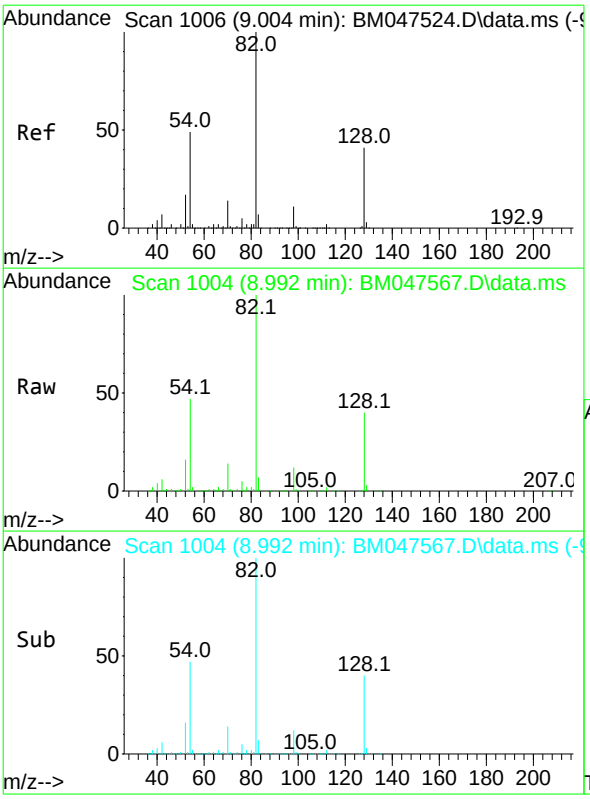




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:136 Resp: 1340234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 8.2 | 6.6 | 9.8 |
| 68 | 6.4 | 4.9 | 7.3 |



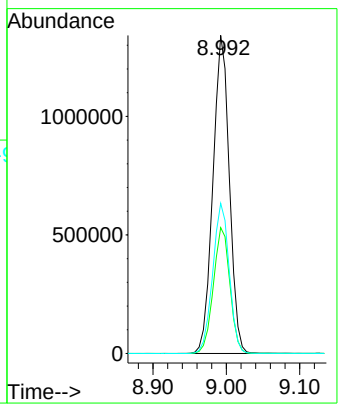


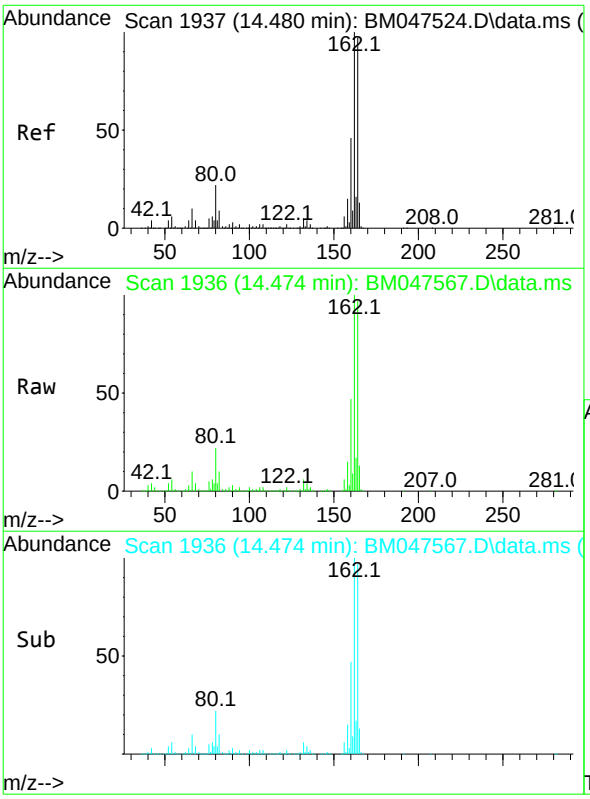

#23
Nitrobenzene-d5
Concen: 77.969 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion: 82 Resp: 2088000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.6 | 33.0 | 49.4 |
| 54 | 47.2 | 39.3 | 58.9 |

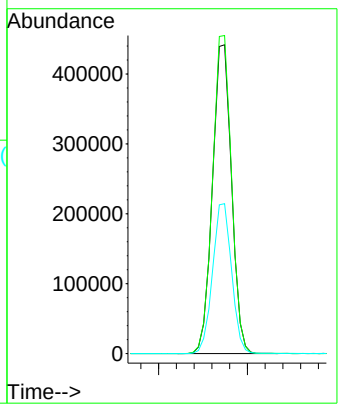


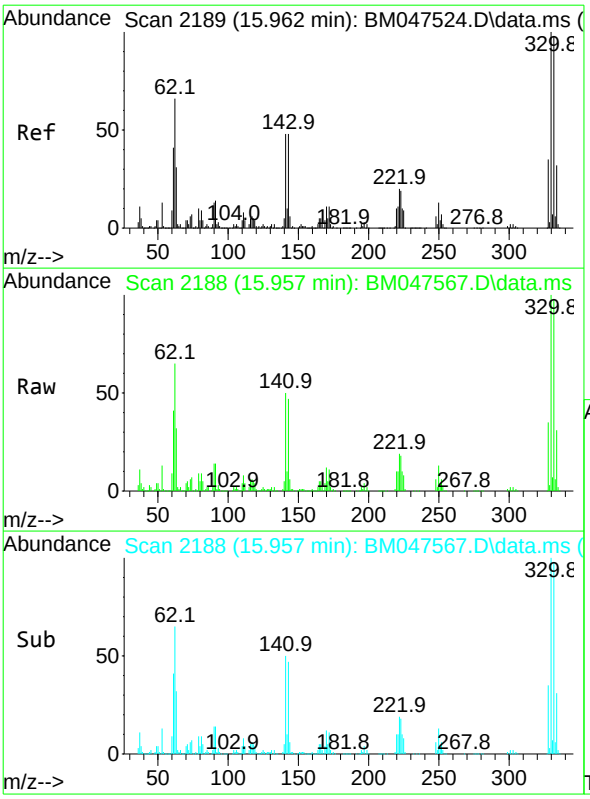




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:164 Resp: 659710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 82.2 | 123.2 |
| 160 | 48.5 | 38.2 | 57.2 |



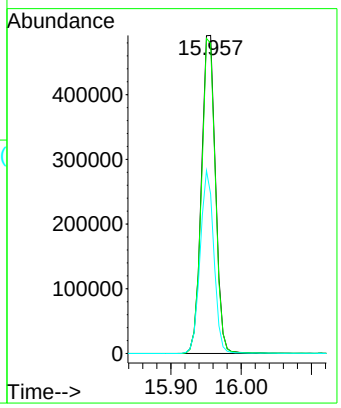


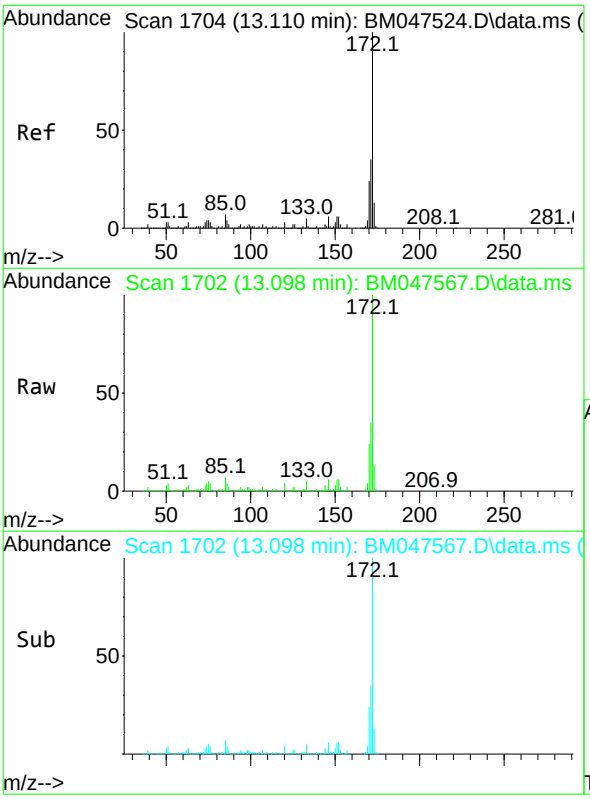

#42
2,4,6-Tribromophenol
Concen: 107.014 ng
RT: 15.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion:330 Resp: 682393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 76.9 | 115.3 |
| 141 | 56.0 | 42.2 | 63.2 |

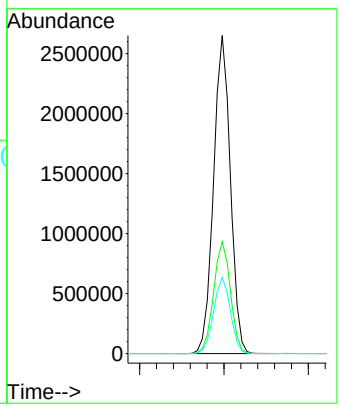


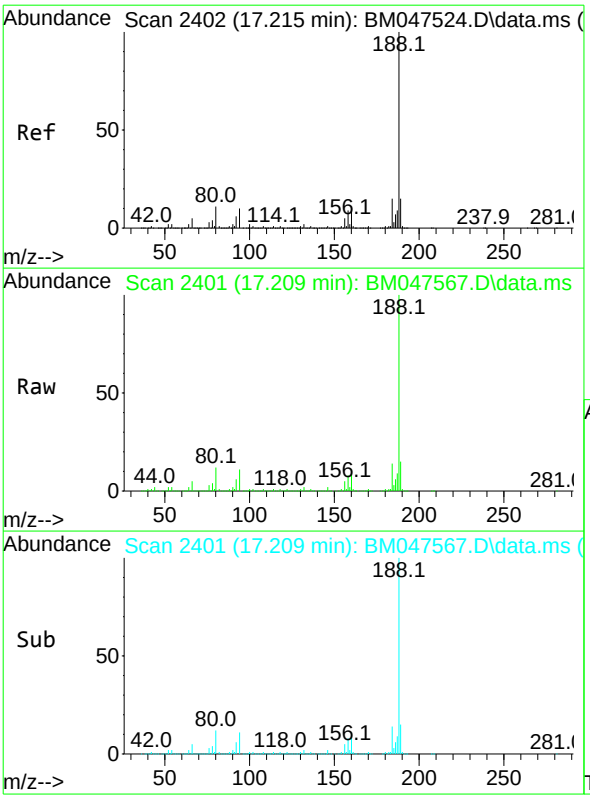




#45
2-Fluorobiphenyl
Concen: 76.653 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:172 Resp: 3670972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.2 | 42.2 |
| 170 | 24.0 | 19.4 | 29.0 |



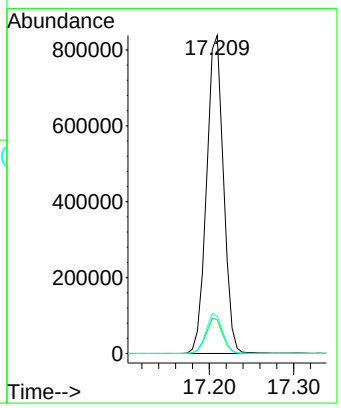


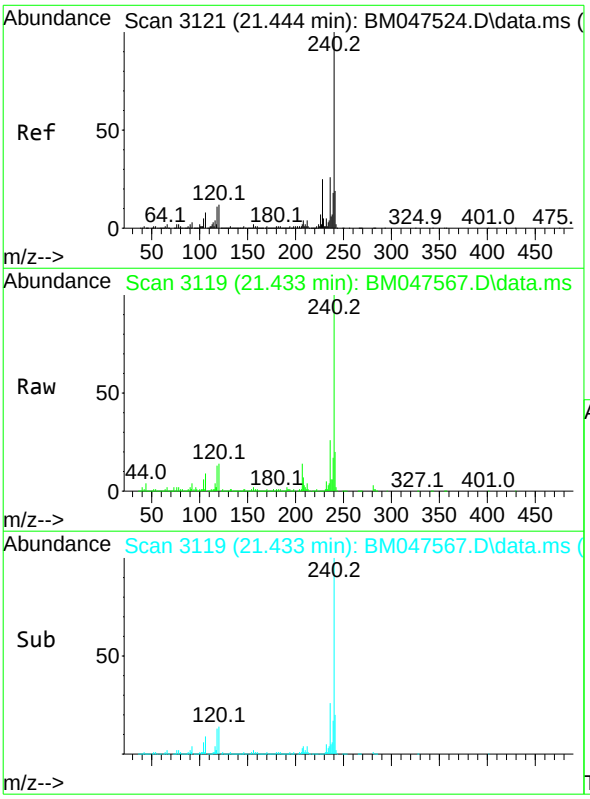

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion:188 Resp: 1165231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.4 | 12.6 |
| 80 | 11.7 | 9.1 | 13.7 |

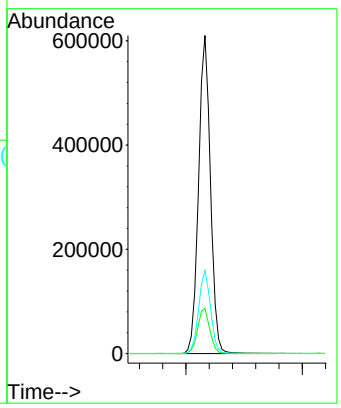


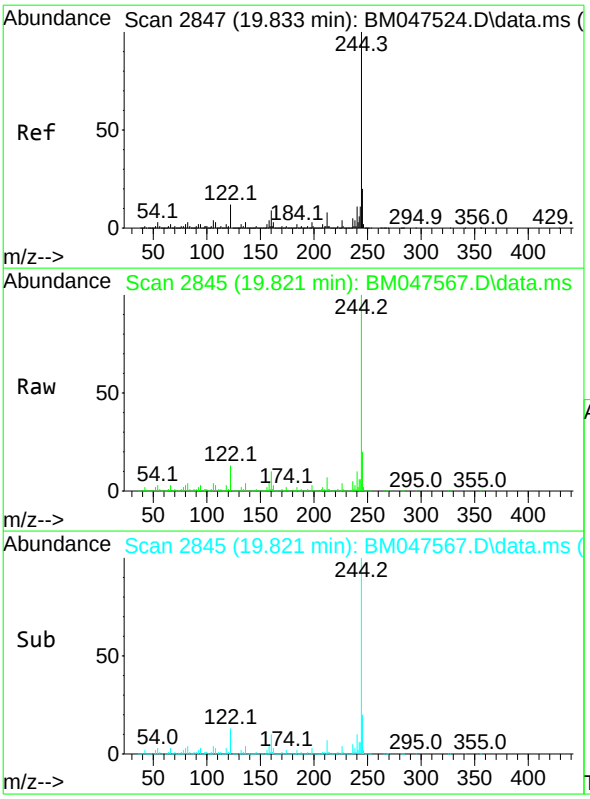




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:240 Resp: 864552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.2 | 9.6 | 14.4 |
| 236 | 26.2 | 20.9 | 31.3 |



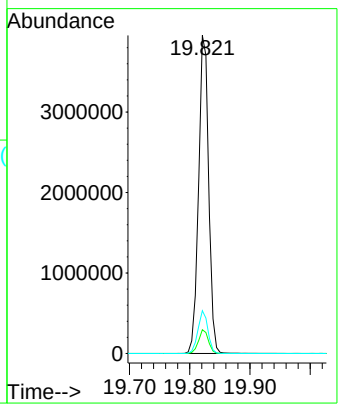


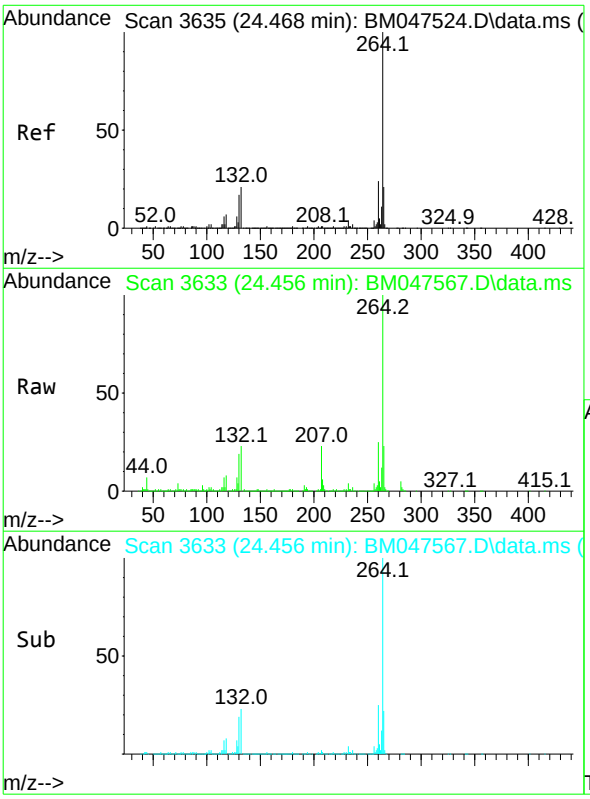

#79
Terphenyl-d14
Concen: 95.092 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BL

Tgt Ion:244 Resp: 4587860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.2 | 9.2 |
| 122 | 13.5 | 9.6 | 14.4 |

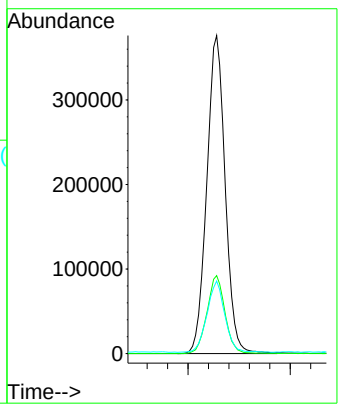



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047567.D
Acq: 19 Sep 2024 12:35

Tgt Ion:264 Resp: 939242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 18.9 | 28.3 |
| 265 | 22.8 | 17.4 | 26.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB163318BS | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BS | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047568.D | 1 | 09/12/24 08:40 | 09/19/24 13:15 | PB163318 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 108-95-2 | Phenol | 46.2 | | 0.93 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 45.3 | | 0.71 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 44.5 | | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 43.7 | | 1.20 | 10.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 50.1 | | 2.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 57.0 | | 1.50 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 46.6 | | 0.88 | 5.00 | ug/L |
| 65-85-0 | Benzoic acid | 42.6 | | 5.50 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 44.9 | | 0.84 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 49.2 | | 0.89 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 47.7 | | 1.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 82.7 | E | 6.40 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 110 | E | 2.00 | 10.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 44.9 | | 3.10 | 10.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 100 | E | 1.90 | 10.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 46.4 | | 0.79 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 156 | | 10 - 139 | 104% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 140 | | 10 - 134 | 93% | SPK: 150 |
| 118-79-6 | 2,4,6-Tribromophenol | 142 | | 44 - 137 | 95% | SPK: 150 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 305000 | 7.839 | | | |
| 1146-65-2 | Naphthalene-d8 | 1200000 | 10.639 | | | |
| 15067-26-2 | Acenaphthene-d10 | 615000 | 14.474 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1070000 | 17.209 | | | |
| 1719-03-5 | Chrysene-d12 | 845000 | 21.433 | | | |
| 1520-96-3 | Perylene-d12 | 809000 | 24.456 | | | |

Raw Data: **BM047568.D**

Alliance TECHNICAL GROUP

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Chemtech Consulting Group | | | Date Collected: | |
| Project: | NJ Waste Water PT | | | Date Received: | |
| Client Sample ID: | PB163318BS | | | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BS | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: mL | | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | uL | | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047568.D | 1 | 09/12/24 08:40 | 09/19/24 13:15 | PB163318 |

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

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

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

Sample Results: **BM047568.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.839 | 152 | 304822 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.639 | 136 | 1201949 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 615193 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.209 | 188 | 1066013 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 844898 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.456 | 264 | 808669 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 2977701 | 155.538 | ng | | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 3778517 | 140.148 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.992 | 82 | 2308971 | 96.140 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 846795 | 142.405 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 4276289 | 95.753 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.821 | 244 | 5250065 | 111.348 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 319087 | 38.913 | ng | | 99 |
| 3) Pyridine | 3.710 | 79 | 889857 | 36.457 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.616 | 42 | 449033 | 40.547 | ng | | 92 |
| 6) Aniline | 7.163 | 93 | 1104091 | 46.192 | ng | | 100 |
| 8) 2-Chlorophenol | 7.404 | 128 | 956923 | 45.342 | ng | | 99 |
| 9) Benzaldehyde | 6.975 | 77 | 225755 | 17.610 | ng | | 99 |
| 10) Phenol | 7.028 | 94 | 1246324 | 46.168 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.263 | 93 | 957527 | 44.181 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.734 | 146 | 986124 | 42.689 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.881 | 146 | 1008844 | 42.877 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.192 | 146 | 956357 | 41.302 | ng | | 99 |
| 15) Benzyl Alcohol | 8.075 | 79 | 832704 | 45.596 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.363 | 45 | 1308822 | 42.931 | ng | | 98 |
| 17) 2-Methylphenol | 8.281 | 107 | 767865 | 44.525 | ng | | 98 |
| 18) Hexachloroethane | 8.928 | 117 | 413357 | 43.978 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.645 | 70 | 750456 | 41.284 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.604 | 107 | 1051801 | 43.710 | ng | | 99 |
| 22) Acetophenone | 8.663 | 105 | 1406407 | 44.507 | ng | # | 98 |
| 24) Nitrobenzene | 9.039 | 77 | 1087814 | 44.079 | ng | | 99 |
| 25) Isophorone | 9.569 | 82 | 1883754 | 44.615 | ng | | 99 |
| 26) 2-Nitrophenol | 9.745 | 139 | 421154 | 50.080 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.810 | 122 | 727014 | 57.029 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.045 | 93 | 1187038 | 44.757 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.280 | 162 | 755002 | 46.616 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.498 | 180 | 756092 | 40.754 | ng | | 97 |
| 31) Naphthalene | 10.686 | 128 | 2788005 | 42.949 | ng | | 99 |
| 32) Benzoic acid | 9.928 | 122 | 523714 | 42.558 | ng | | 99 |
| 33) 4-Chloroaniline | 10.786 | 127 | 664735 | 28.322 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.980 | 225 | 421556 | 41.024 | ng | | 99 |
| 35) Caprolactam | 11.563 | 113 | 233945m | 43.854 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.910 | 107 | 833110 | 44.885 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.298 | 142 | 1830535 | 42.369 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.516 | 142 | 1686622 | 39.283 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 778787 | 46.783 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.657 | 237 | 931901 | 171.243 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.904 | 196 | 513517 | 49.239 | ng | | 99 |

Sample Results: **BM047568.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.974 | 196 | 561526 | 47.669 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 13.310 | 154 | 2181353 | 45.573 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 13.351 | 162 | 1655276 | 44.537 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.545 | 65 | 542727 | 49.716 | ng | | 98 |
| 49) | Acenaphthylene | 14.192 | 152 | 2642771 | 49.275 | ng | | 99 |
| 50) | Dimethylphthalate | 13.927 | 163 | 1922665 | 45.854 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 14.039 | 165 | 391098 | 44.184 | ng | | 92 |
| 52) | Acenaphthene | 14.539 | 154 | 1916152m | 50.990 | ng | | |
| 53) | 3-Nitroaniline | 14.363 | 138 | 363030 | 36.898 | ng | | 97 |
| 54) | 2,4-Dinitrophenol | 14.568 | 184 | 418269 | 82.737 | ng | | 98 |
| 55) | Dibenzofuran | 14.868 | 168 | 2348412 | 44.471 | ng | | 97 |
| 56) | 4-Nitrophenol | 14.674 | 139 | 855296 | 105.644 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 14.821 | 165 | 541739 | 45.889 | ng | | 94 |
| 58) | Fluorene | 15.515 | 166 | 2064805 | 43.429 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.092 | 232 | 426009 | 46.385 | ng | | 95 |
| 60) | Diethylphthalate | 15.292 | 149 | 2017759 | 45.216 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.515 | 204 | 910211 | 41.870 | ng | | 97 |
| 62) | 4-Nitroaniline | 15.527 | 138 | 505374 | 43.698 | ng | | 97 |
| 63) | Azobenzene | 15.804 | 77 | 2344863 | 47.721 | ng | | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 15.586 | 198 | 240735 | 44.884 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 15.721 | 169 | 1575610 | 48.315 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 16.404 | 248 | 455967 | 44.020 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.521 | 284 | 523759 | 44.635 | ng | | 98 |
| 69) | Atrazine | 16.674 | 200 | 463991 | 51.477 | ng | | 99 |
| 70) | Pentachlorophenol | 16.857 | 266 | 709776 | 104.346 | ng | | 100 |
| 71) | Phenanthrene | 17.251 | 178 | 2739821 | 46.637 | ng | | 100 |
| 72) | Anthracene | 17.339 | 178 | 2777929 | 49.217 | ng | | 100 |
| 73) | Carbazole | 17.604 | 167 | 2587365 | 46.256 | ng | | 99 |
| 74) | Di-n-butylphthalate | 18.180 | 149 | 3345257 | 49.983 | ng | | 100 |
| 75) | Fluoranthene | 19.256 | 202 | 2800166 | 43.686 | ng | | 97 |
| 77) | Benzidine | 19.439 | 184 | 1057298 | 88.854 | ng | | 99 |
| 78) | Pyrene | 19.621 | 202 | 3005093 | 48.761 | ng | | 100 |
| 80) | Butylbenzylphthalate | 20.515 | 149 | 1341786 | 56.558 | ng | | 96 |
| 81) | Benzo(a)anthracene | 21.415 | 228 | 2677135 | 48.613 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.333 | 252 | 737815 | 50.365 | ng | | 98 |
| 83) | Chrysene | 21.474 | 228 | 2522781 | 48.432 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.344 | 149 | 2065319 | 55.572 | ng | # | 98 |
| 85) | Di-n-octyl phthalate | 22.491 | 149 | 3210329 | 61.068 | ng | | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 27.879 | 276 | 3081058 | 63.665 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 23.503 | 252 | 2436128 | 46.560 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 23.562 | 252 | 2478620 | 47.799 | ng | | 98 |
| 90) | Benzo(a)pyrene | 24.315 | 252 | 2289428 | 53.387 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 27.944 | 278 | 2538011 | 62.334 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 28.944 | 276 | 2345773 | 58.978 | ng | | 98 |

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

Sample Results: **BM047568.D**

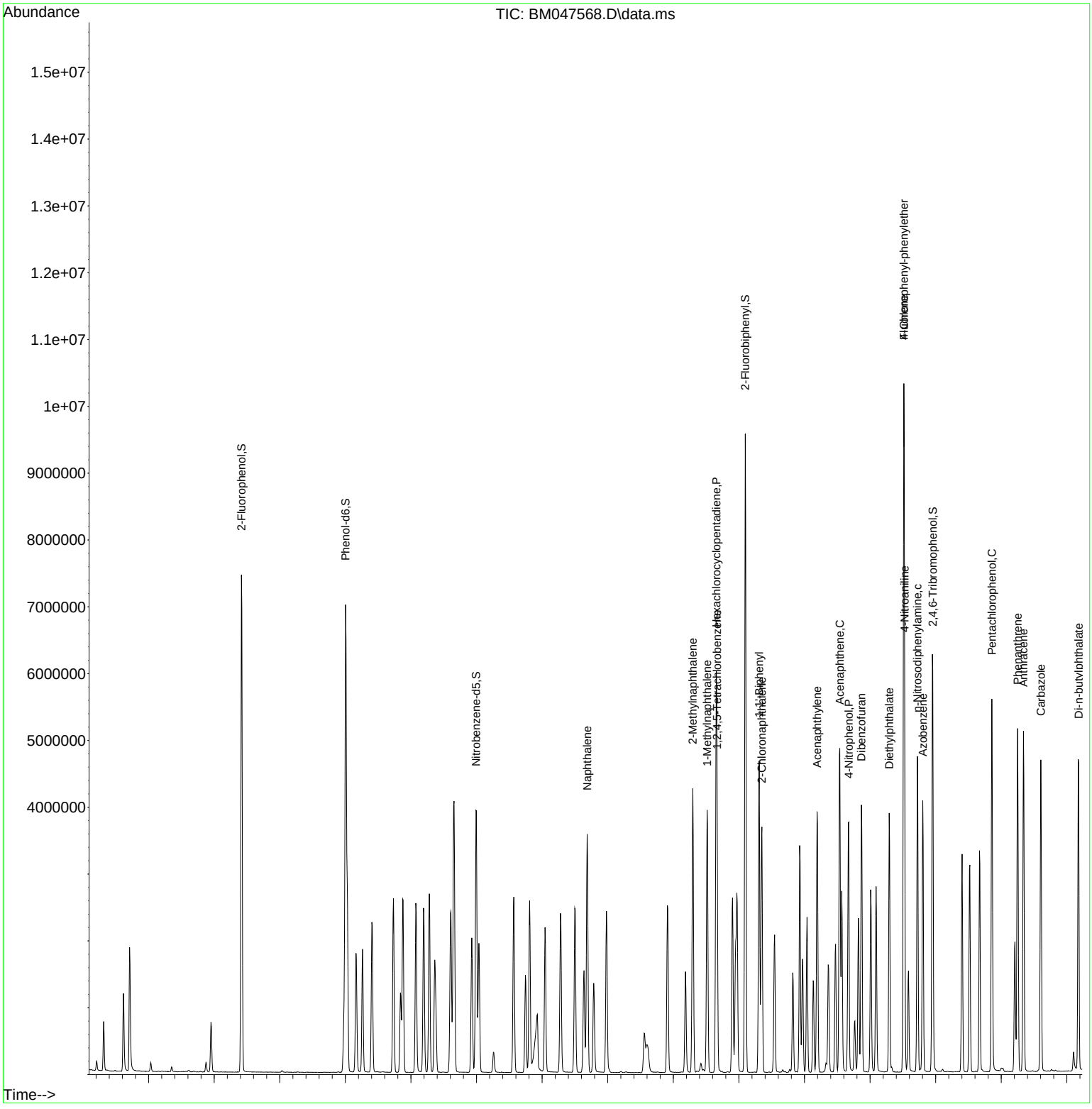
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



Sample Results: **BM047568.D**

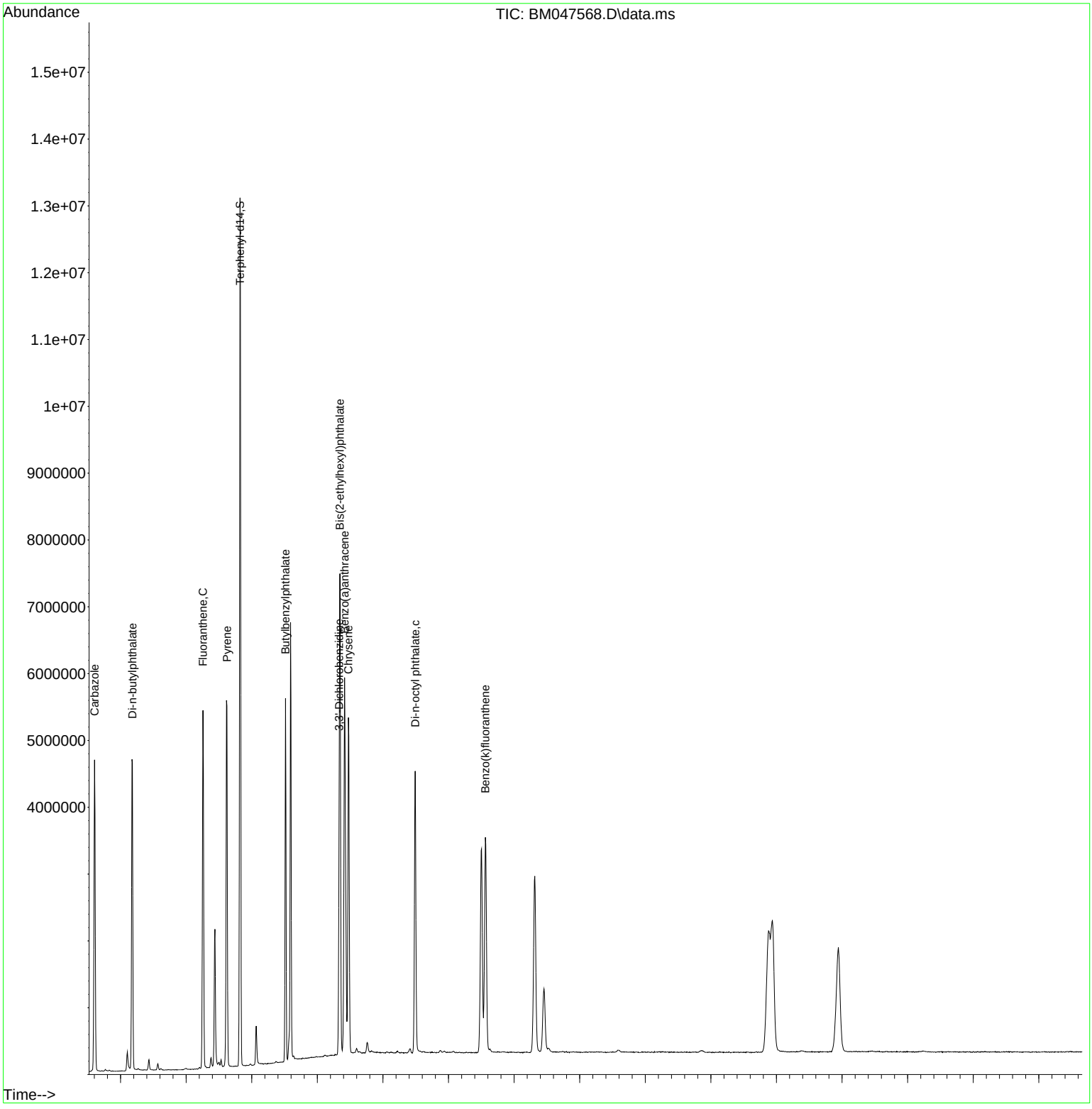
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047568.D
Acq On : 19 Sep 2024 13:15
Operator : RC/JU
Sample : PB163318BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

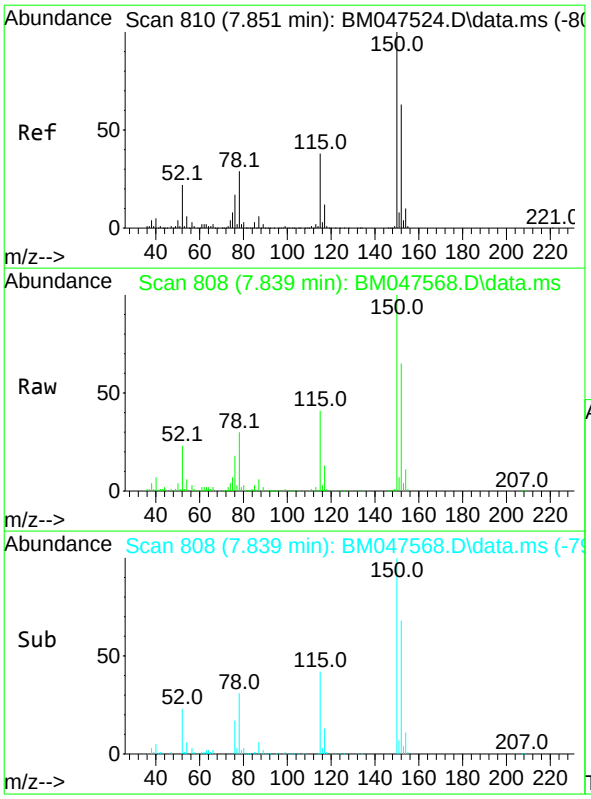
Quant Time: Sep 19 13:58:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

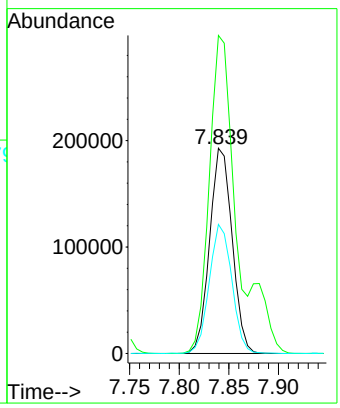





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:152 Resp: 304822

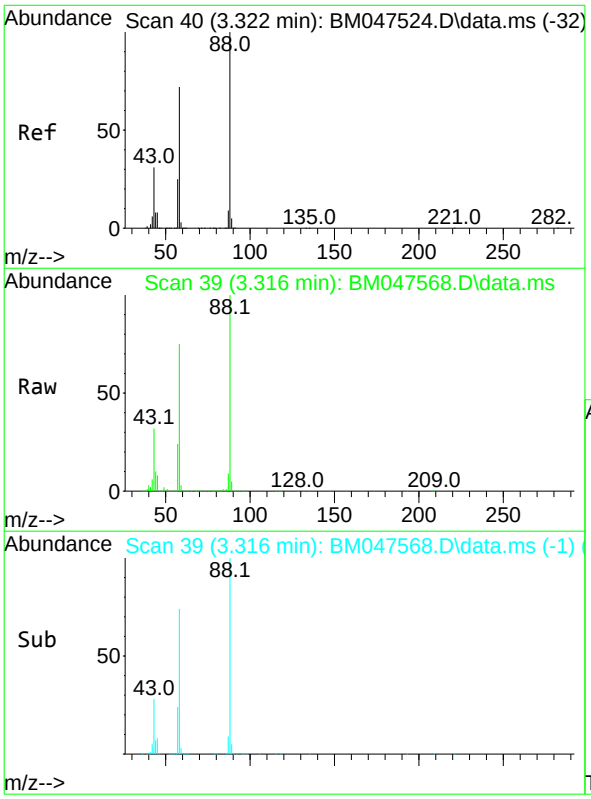
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.8 | 190.2 |
| 115 | 62.9 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

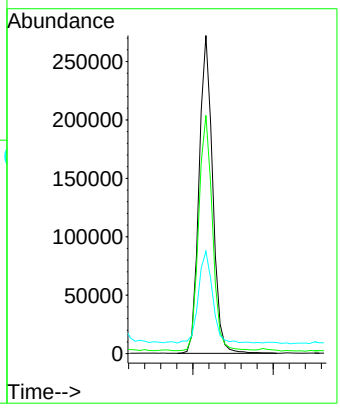
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

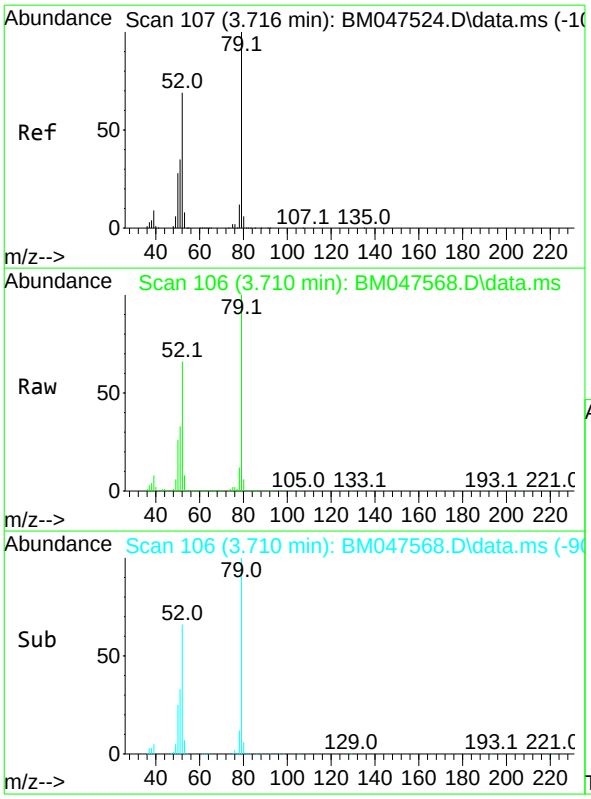



#2
1,4-Dioxane
Concen: 38.913 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 88 Resp: 319087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.7 | 59.0 | 88.6 |
| 43 | 30.0 | 25.0 | 37.4 |

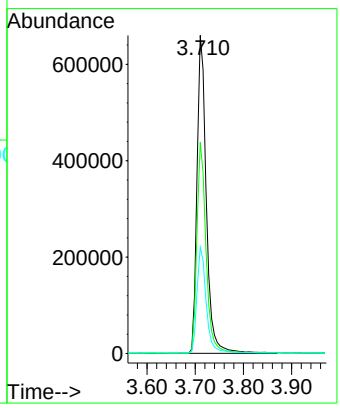





#3
Pyridine
Concen: 36.457 ng
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 79 Resp: 889857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.4 | 55.4 | 83.0 |
| 51 | 33.4 | 27.9 | 41.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
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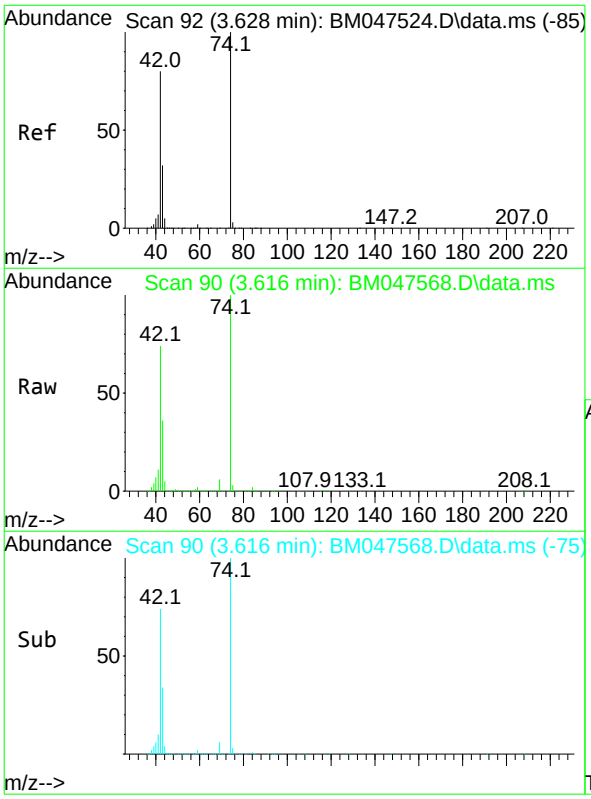
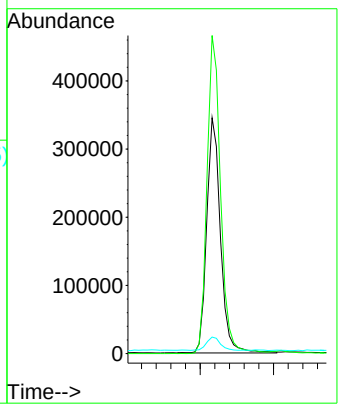
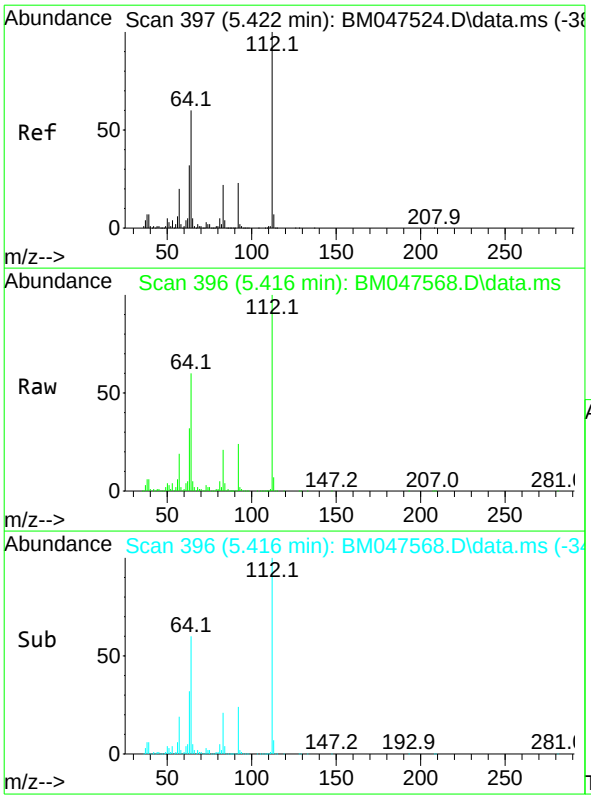



#4
n-Nitrosodimethylamine
Concen: 40.547 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 42 Resp: 449033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 134.9 | 100.5 | 150.7 |
| 44 | 7.0 | 6.9 | 10.3 |






#5
2-Fluorophenol
Concen: 155.538 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

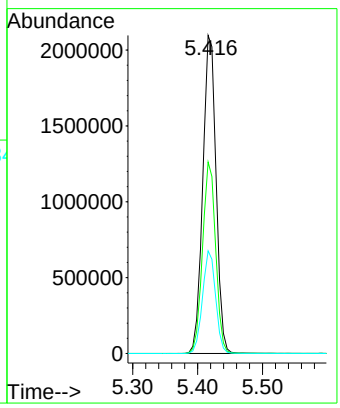
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

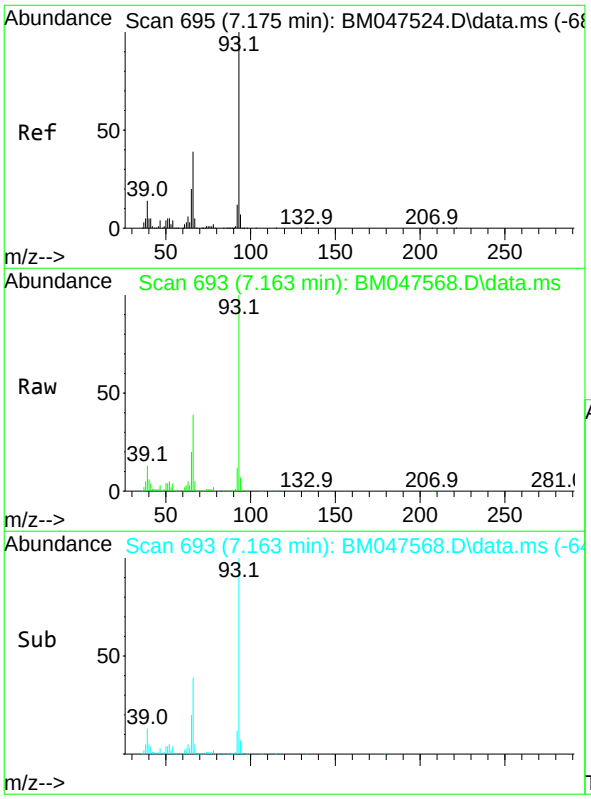
Tgt Ion:112 Resp: 2977701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.2 | 48.2 | 72.4 |
| 63 | 32.3 | 26.0 | 39.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

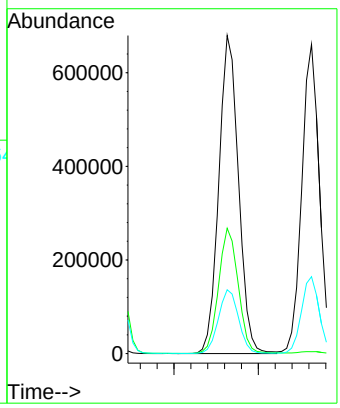


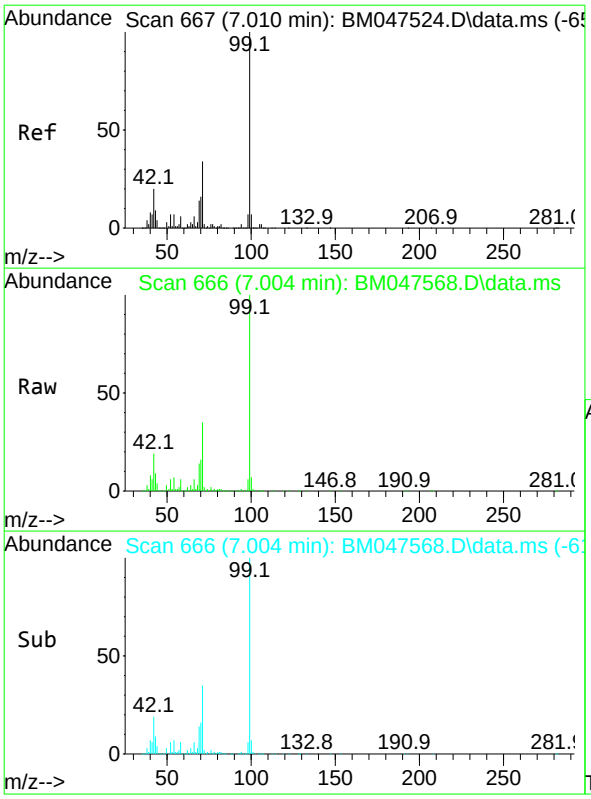




#6
Aniline
Concen: 46.192 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 1104091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 31.4 | 47.0 |
| 65 | 20.1 | 16.3 | 24.5 |

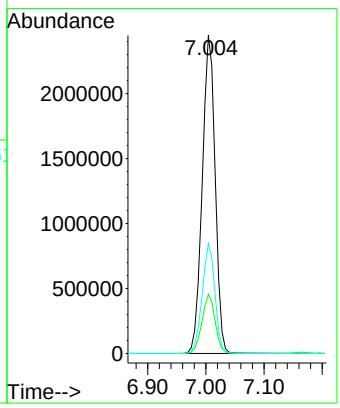





#7
Phenol-d6
Concen: 140.148 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 99 Resp: 3778517

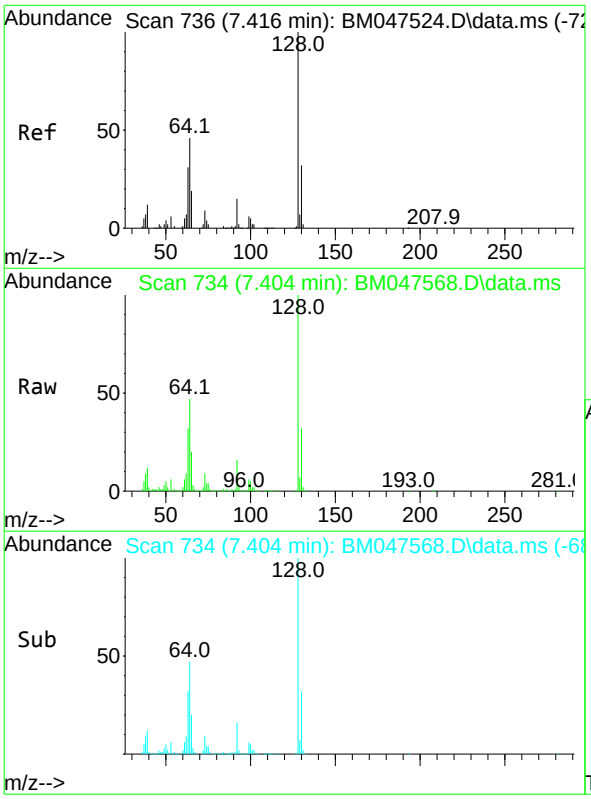
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.6 | 15.8 | 23.8 |
| 71 | 34.6 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

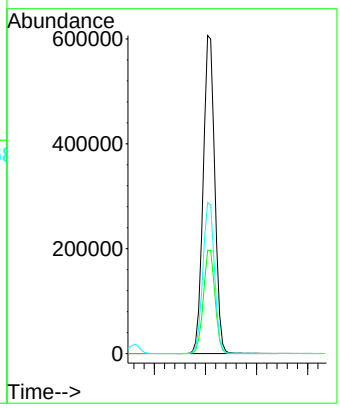
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

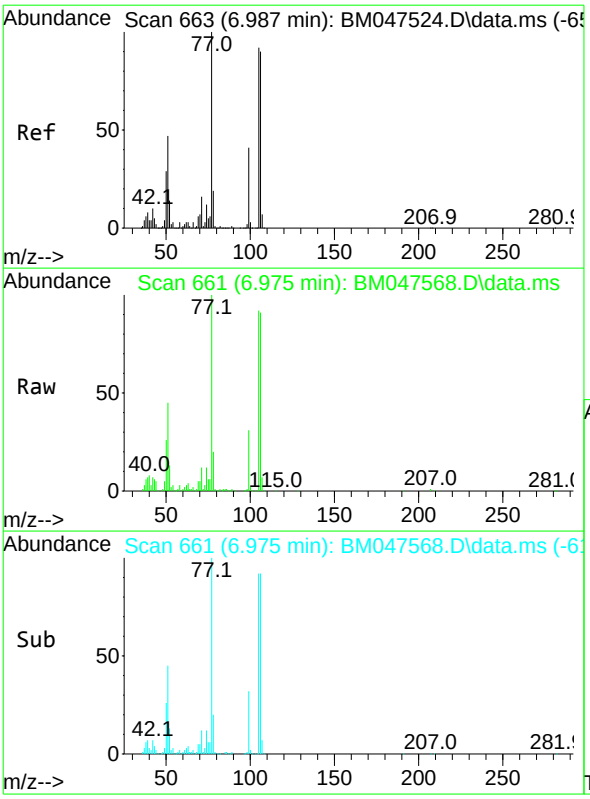



#8
2-Chlorophenol
Concen: 45.342 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:128 Resp: 956923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 11.8 | 51.8 |
| 64 | 47.5 | 27.6 | 67.6 |

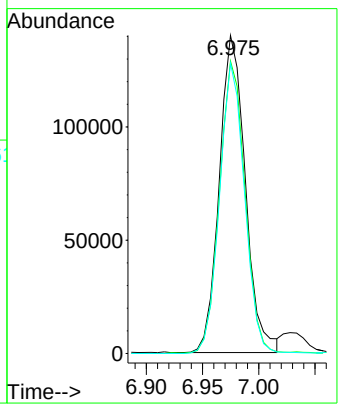





#9
Benzaldehyde
Concen: 17.610 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 77 Resp: 225755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.9 | 71.8 | 111.8 |
| 106 | 91.3 | 69.7 | 109.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 09/20/2024
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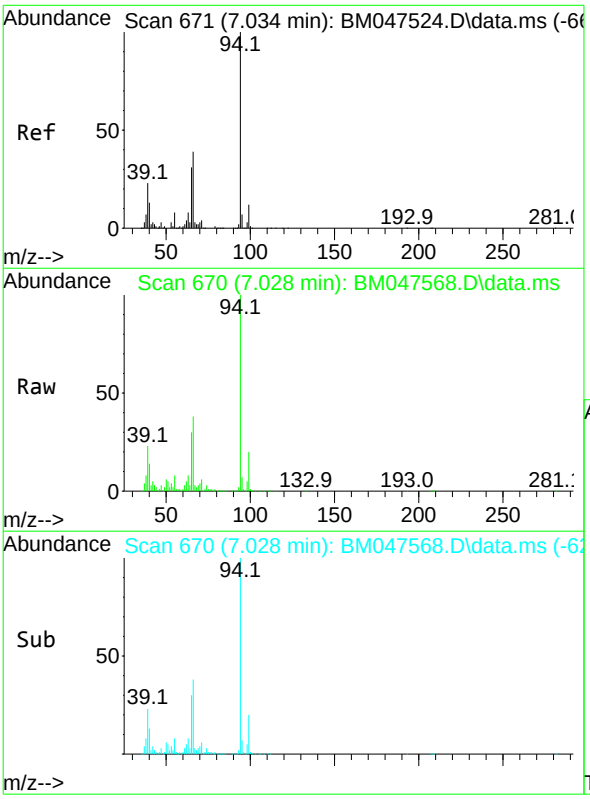
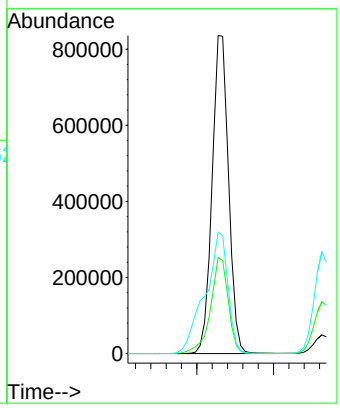
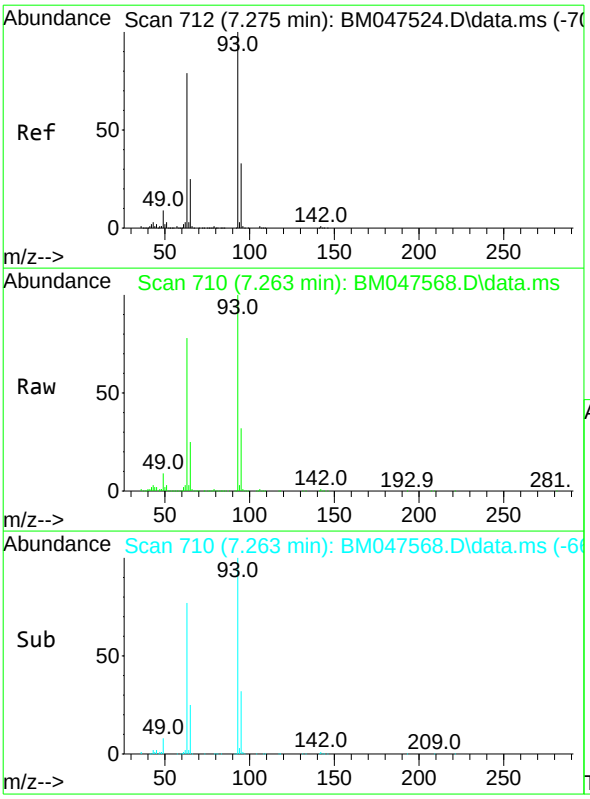



#10
Phenol
Concen: 46.168 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 94 Resp: 1246324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.2 | 10.8 | 50.8 |
| 66 | 38.2 | 19.2 | 59.2 |

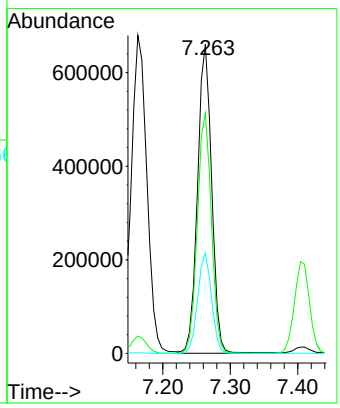





#11
bis(2-Chloroethyl)ether
Concen: 44.181 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 957527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.6 | 58.2 | 98.2 |
| 95 | 32.4 | 12.8 | 52.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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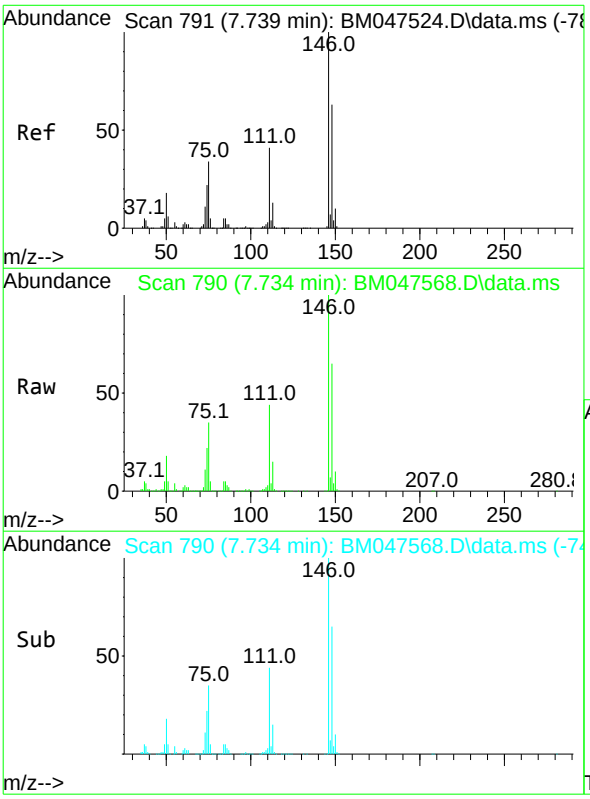
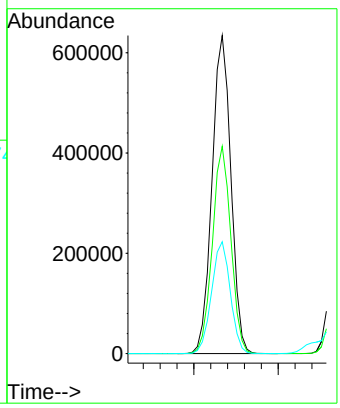
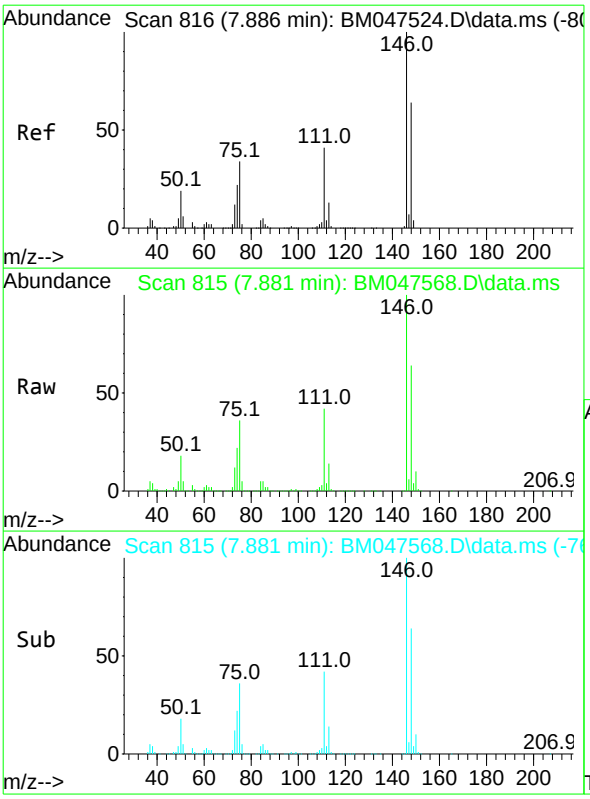



#12
1,3-Dichlorobenzene
Concen: 42.689 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 986124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 50.2 | 75.4 |
| 75 | 35.2 | 27.4 | 41.0 |






#13
1,4-Dichlorobenzene
Concen: 42.877 ng
RT: 7.881 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 1008844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.3 | 76.9 |
| 111 | 42.2 | 32.9 | 49.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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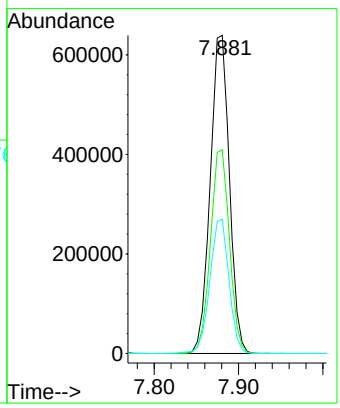
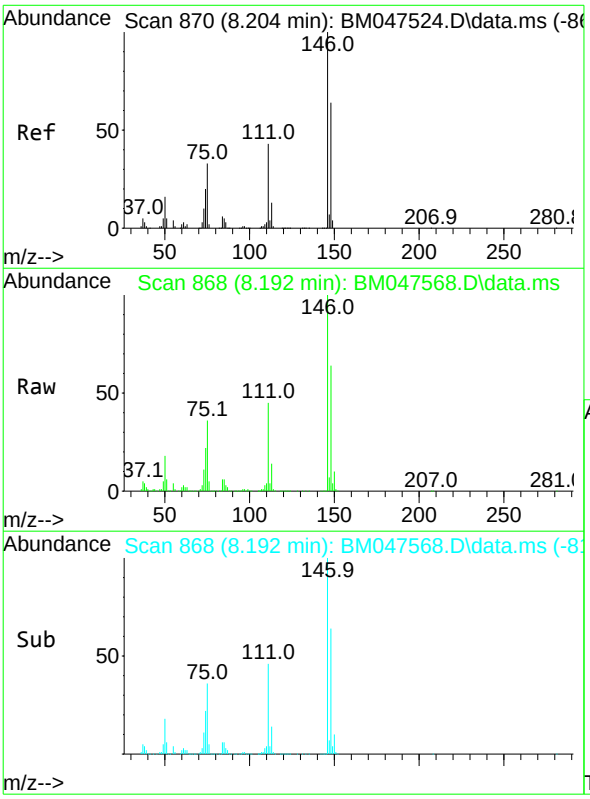
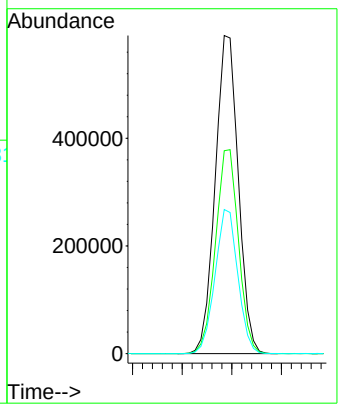


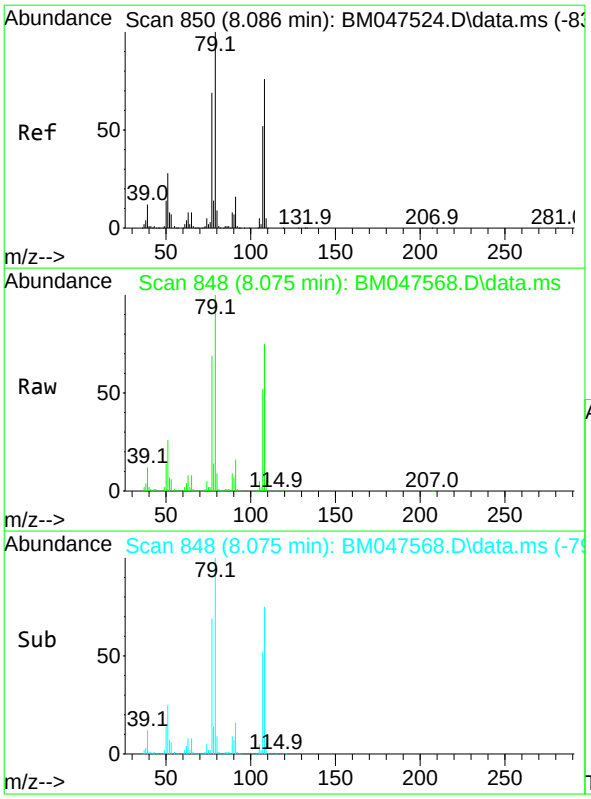




#14
1,2-Dichlorobenzene
Concen: 41.302 ng
RT: 8.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:146 Resp: 956357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.1 | 76.7 |
| 111 | 45.3 | 34.7 | 52.1 |

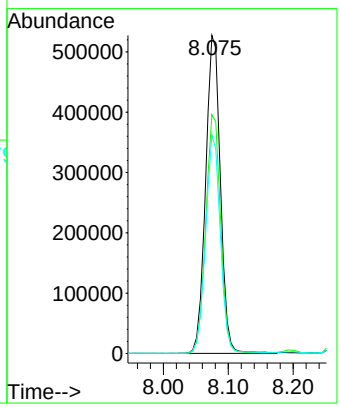





#15
Benzyl Alcohol
Concen: 45.596 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 79 Resp: 832704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.1 | 60.6 | 91.0 |
| 77 | 68.7 | 55.0 | 82.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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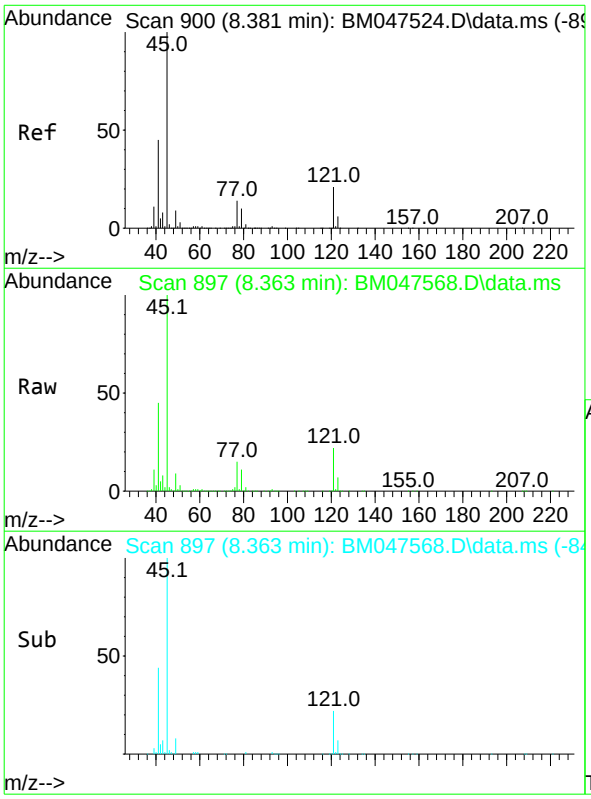
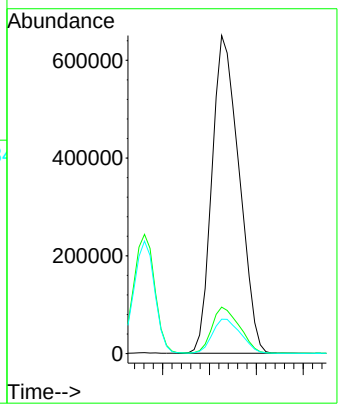
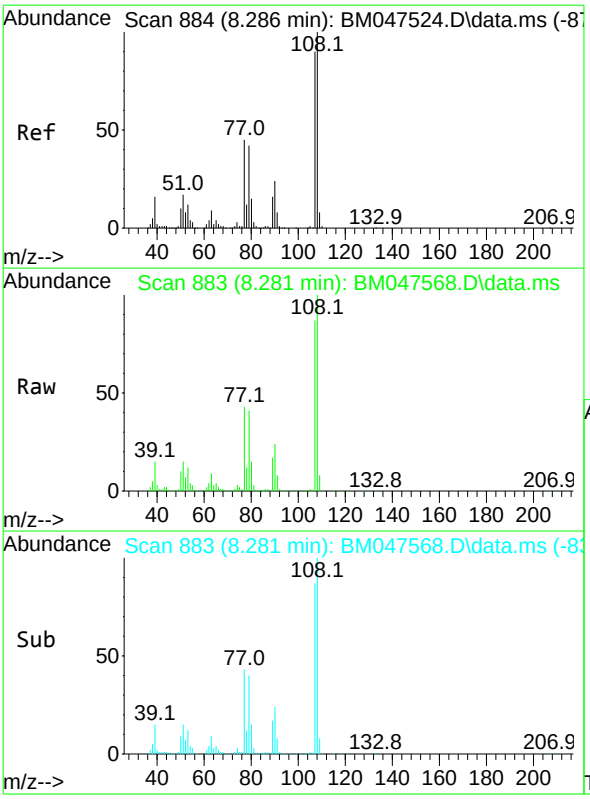



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.931 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 45 Resp: 1308822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.6 | 0.0 | 33.7 |
| 79 | 10.8 | 0.0 | 30.3 |






#17
2-Methylphenol
Concen: 44.525 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:107 Resp: 767865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 88.9 | 133.3 |
| 77 | 49.2 | 39.8 | 59.8 |
| 79 | 46.4 | 37.0 | 55.6 |

**Manual Integrations**
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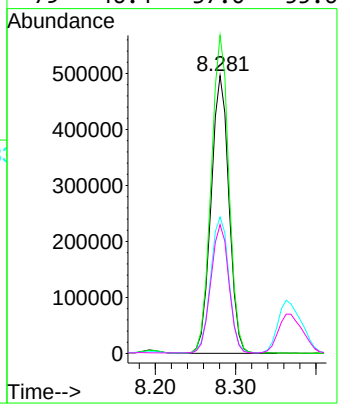
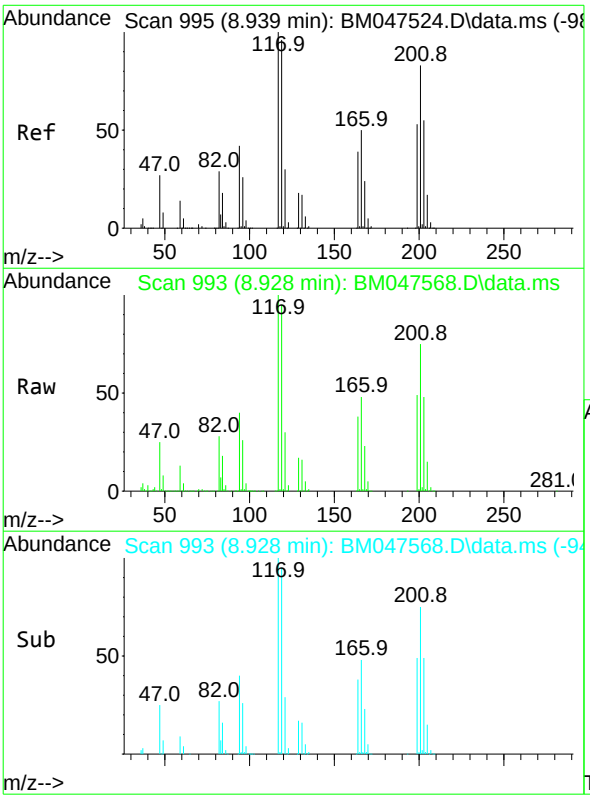
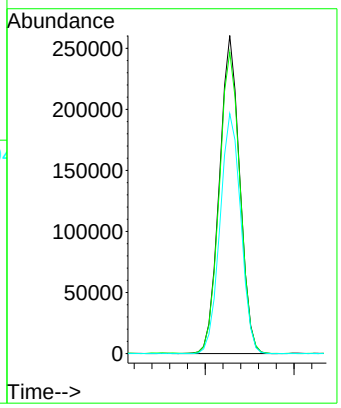


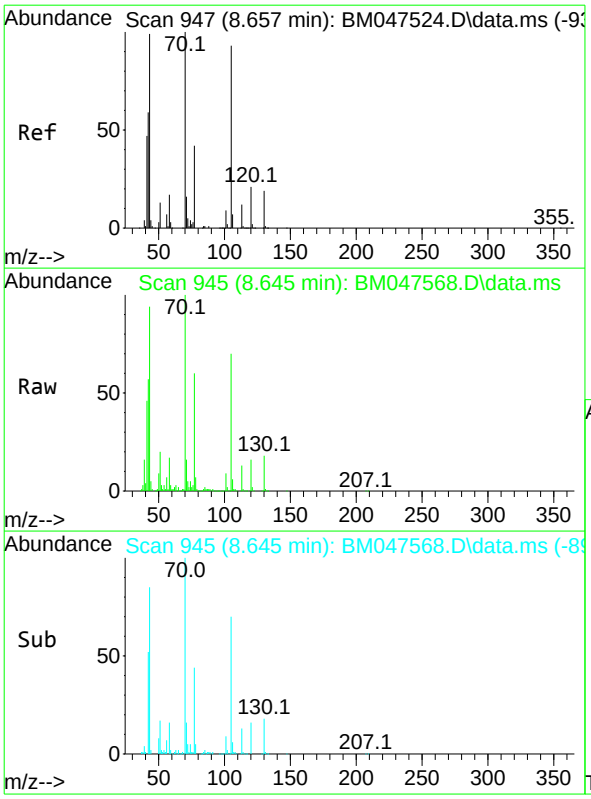




#18
Hexachloroethane
Concen: 43.978 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:117 Resp: 413357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.0 | 115.4 |
| 201 | 75.4 | 66.8 | 100.2 |






#19
n-Nitroso-di-n-propylamine
Concen: 41.284 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion: 70 Resp: 750456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.5 | 48.2 | 72.2 |
| 101 | 8.6 | 7.0 | 10.4 |
| 130 | 17.7 | 15.3 | 22.9 |

**Manual Integrations**
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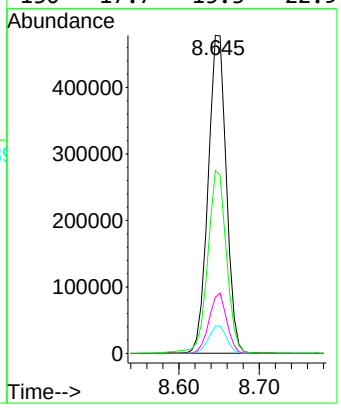
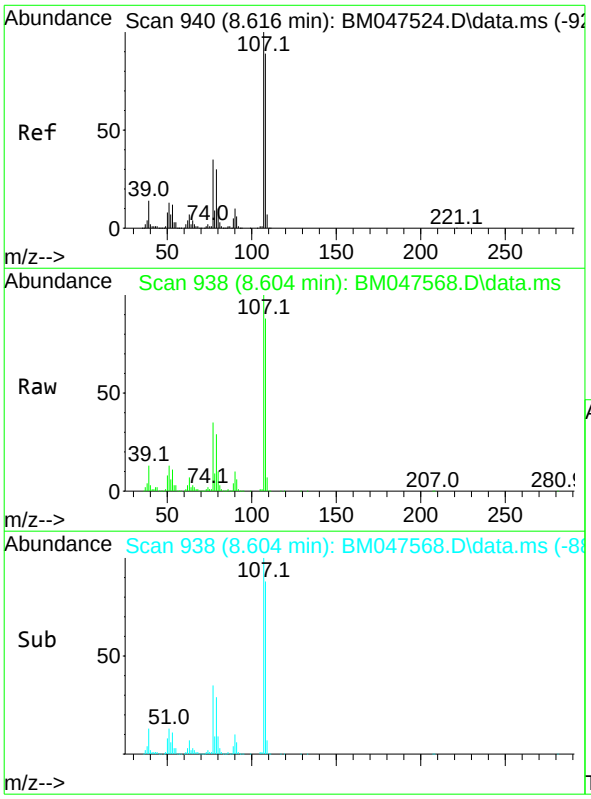
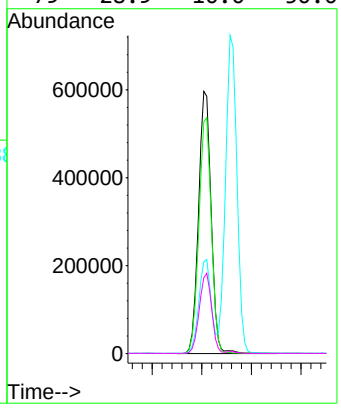


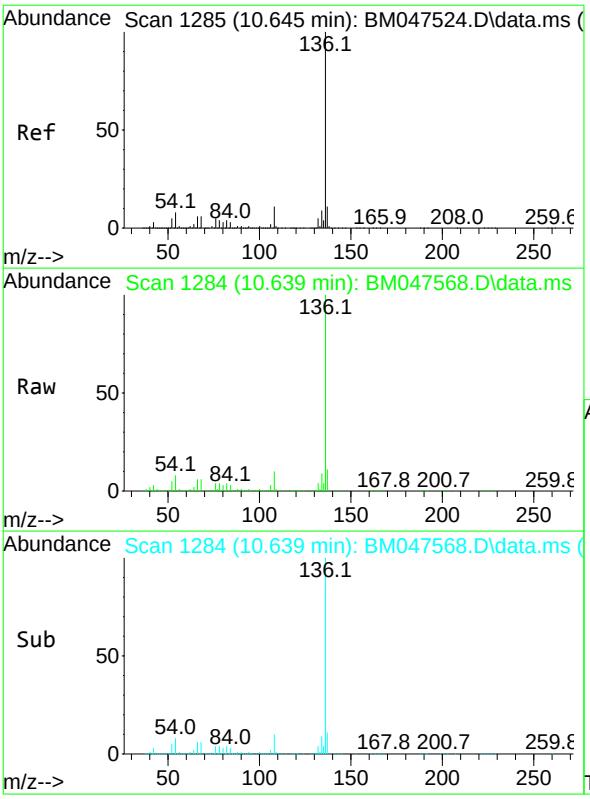




#20
3+4-Methylphenols
Concen: 43.710 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:107 Resp: 1051801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 68.9 | 108.9 |
| 77 | 35.0 | 15.5 | 55.5 |
| 79 | 28.9 | 10.0 | 50.0 |






#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:136 Resp: 1201949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.6 |
| 54 | 7.7 | 6.6 | 9.8 |
| 68 | 5.8 | 4.9 | 7.3 |

**Manual Integrations**
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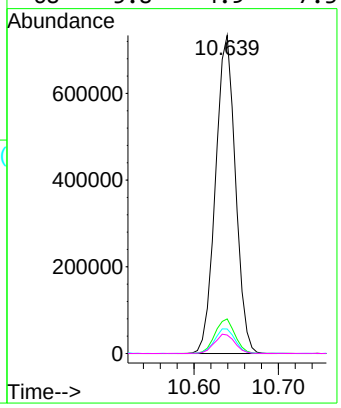
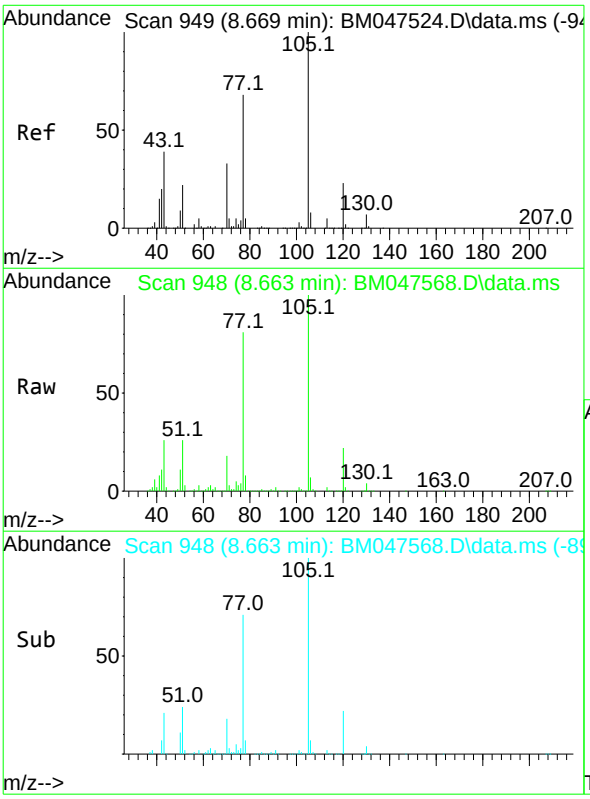
Supervised By :mohammad ahmed 09/22/2024

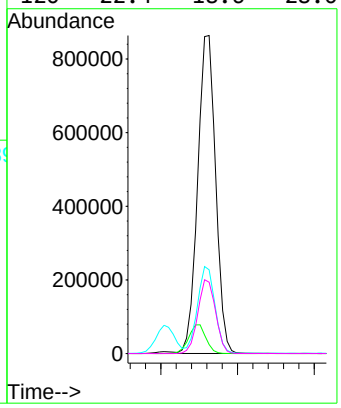


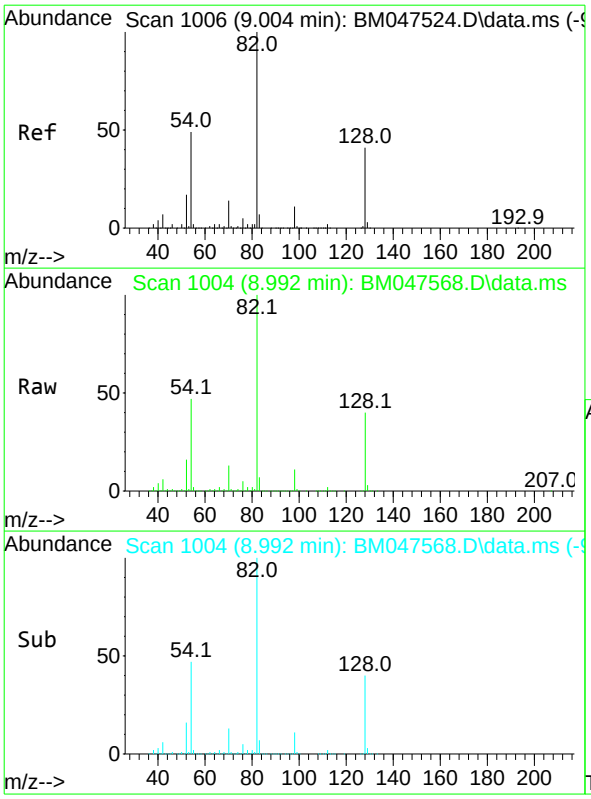




#22
Acetophenone
Concen: 44.507 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:105 Resp: 1406407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.8 | 4.3 | 6.5# |
| 51 | 26.3 | 21.5 | 32.3 |
| 120 | 22.4 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 96.140 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 82 Resp: 2308971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.7 | 33.0 | 49.4 |
| 54 | 47.4 | 39.3 | 58.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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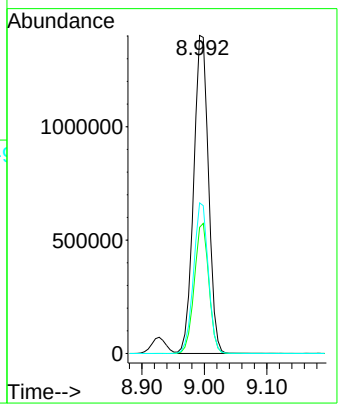
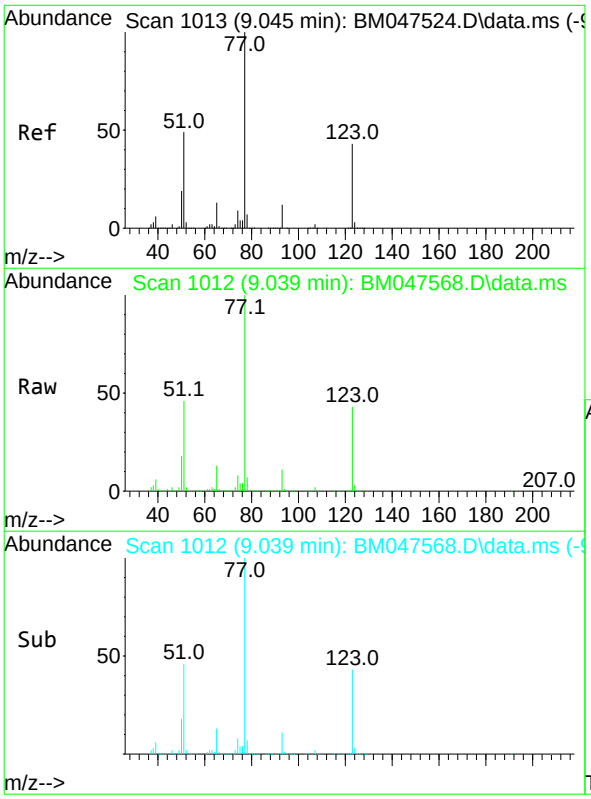
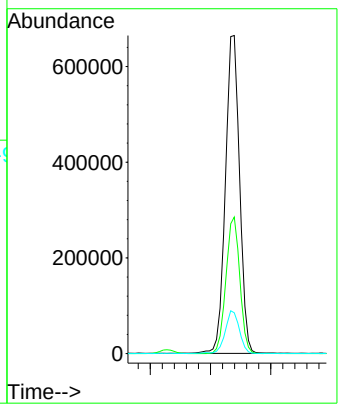


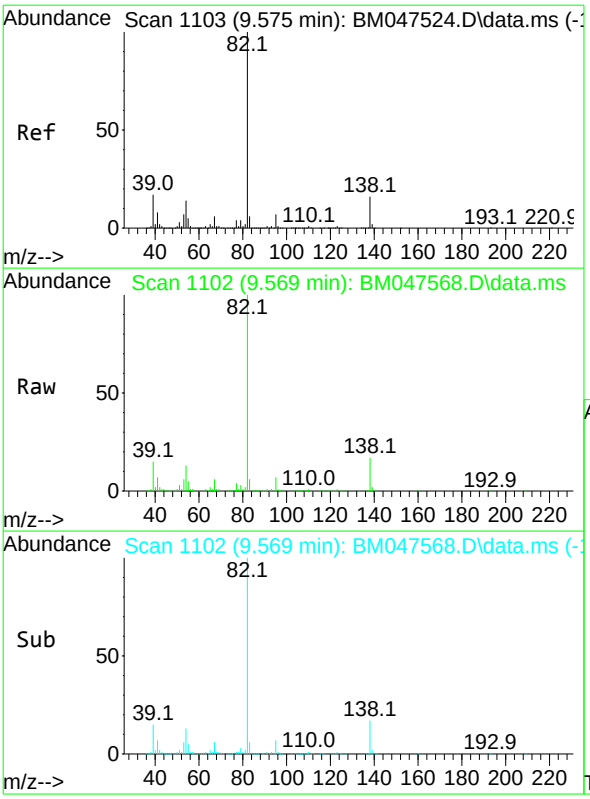




#24
Nitrobenzene
Concen: 44.079 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 77 Resp: 1087814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.9 | 34.5 | 51.7 |
| 65 | 12.8 | 10.7 | 16.1 |






#25
Isophorone
Concen: 44.615 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

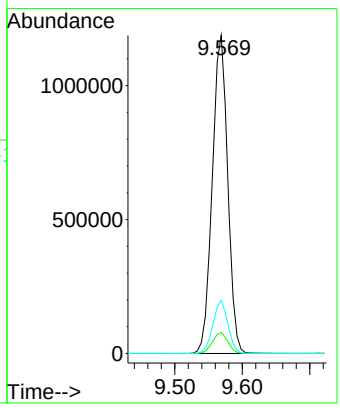
Tgt Ion: 82 Resp: 1883754

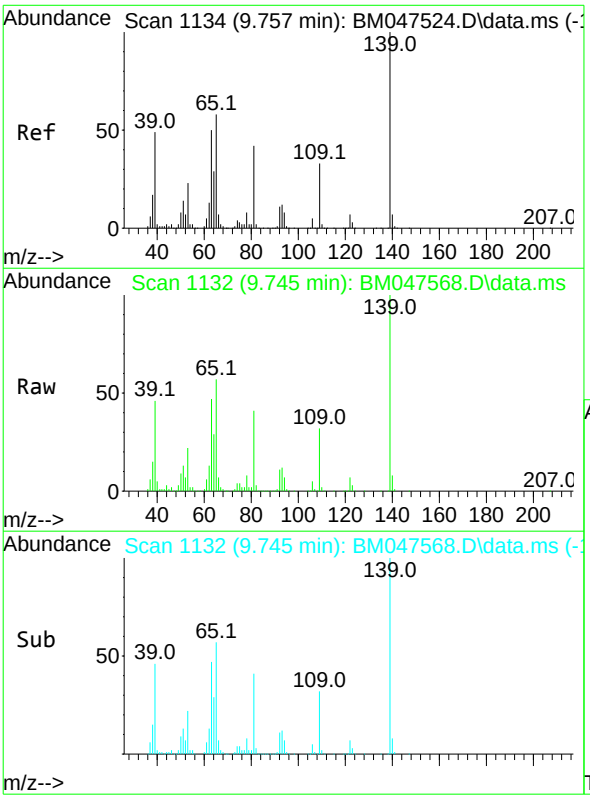
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.4 | 8.0 |
| 138 | 16.7 | 12.9 | 19.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

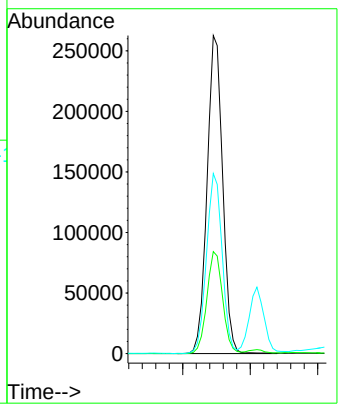


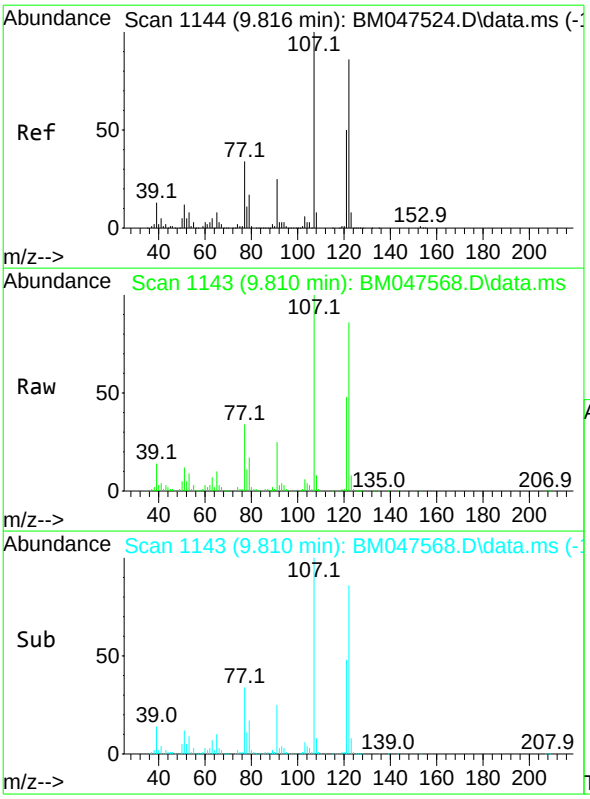




#26
2-Nitrophenol
Concen: 50.080 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:139 Resp: 421154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.1 | 26.0 | 39.0 |
| 65 | 56.6 | 46.2 | 69.4 |






#27
2,4-Dimethylphenol
Concen: 57.029 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:122 Resp: 727014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.5 | 92.4 | 138.6 |
| 121 | 56.4 | 46.2 | 69.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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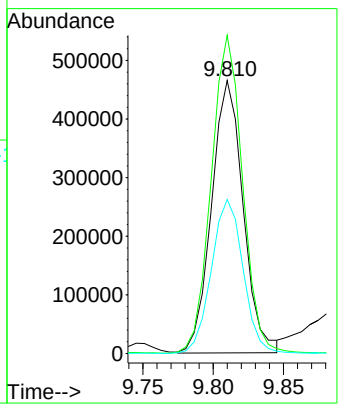
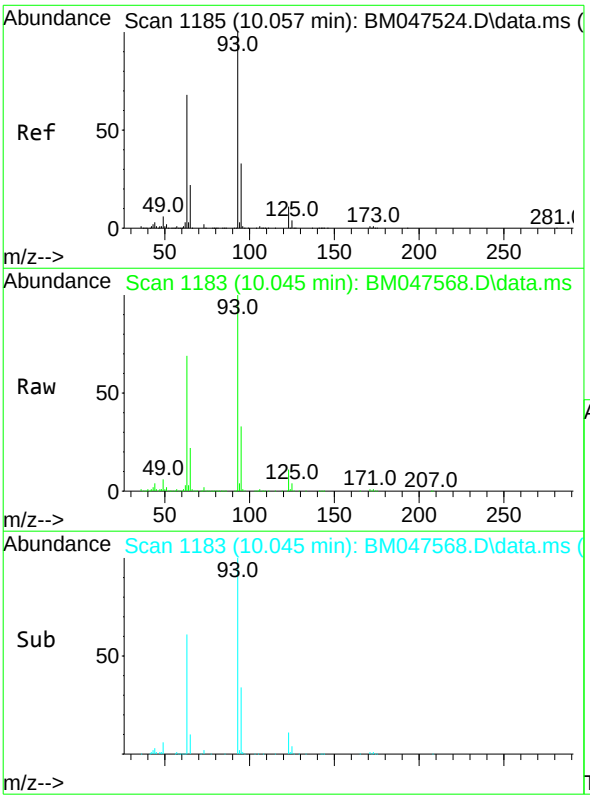
Supervised By :mohammad ahmed 09/22/2024

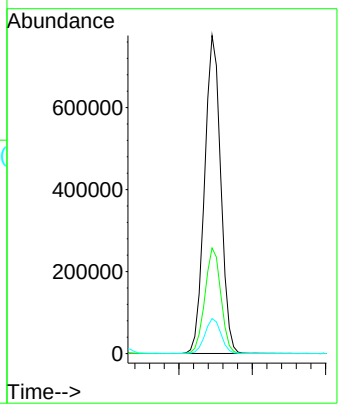


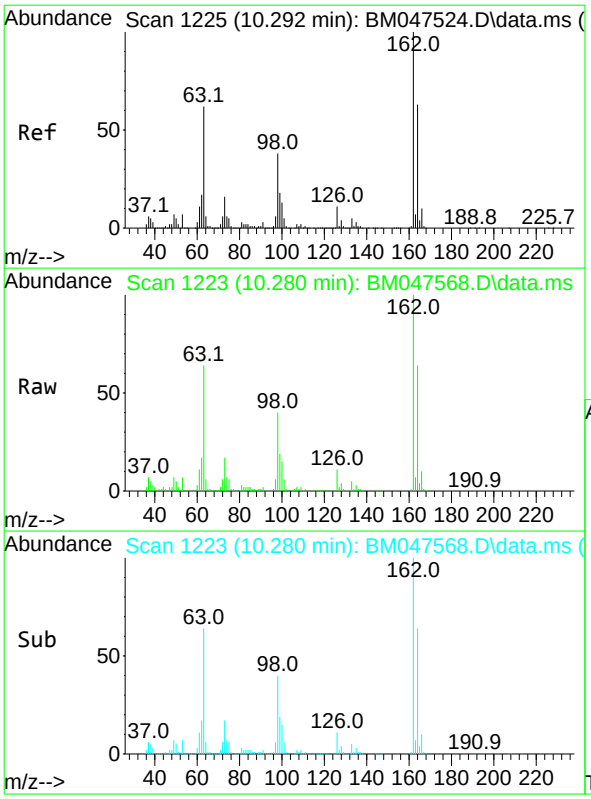




#28
bis(2-Chloroethoxy)methane
Concen: 44.757 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 93 Resp: 1187038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 26.2 | 39.2 |
| 123 | 11.0 | 9.2 | 13.8 |






#29
2,4-Dichlorophenol
Concen: 46.616 ng
RT: 10.280 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:162 Resp: 755002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 43.5 | 83.5 |
| 98 | 40.0 | 17.6 | 57.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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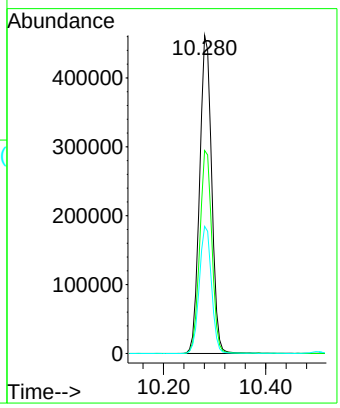
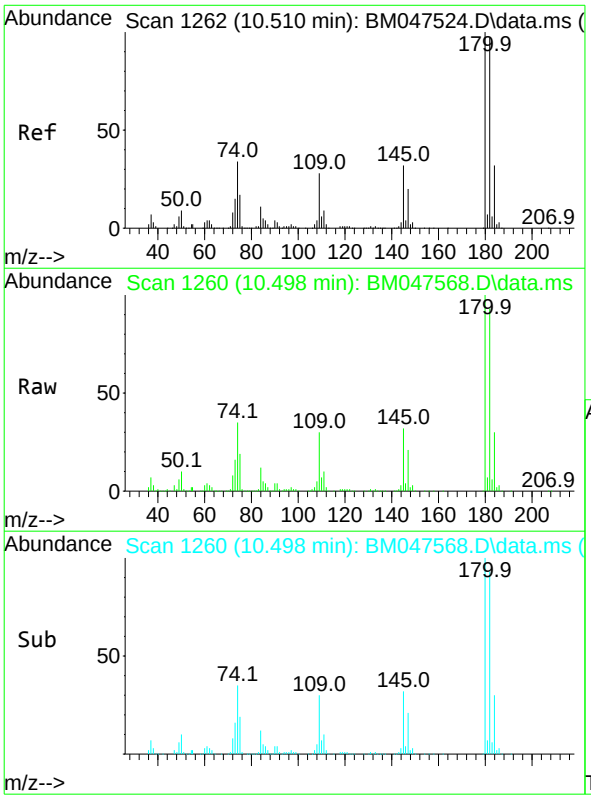
Supervised By :mohammad ahmed 09/22/2024

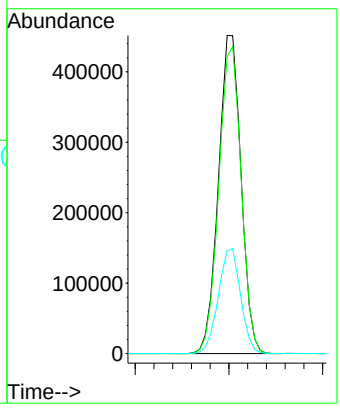


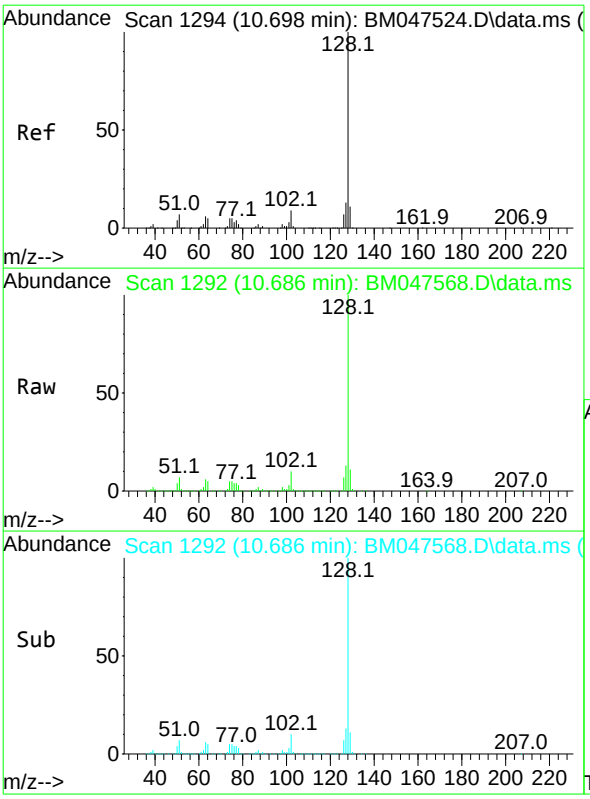




#30
1,2,4-Trichlorobenzene
Concen: 40.754 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:180 Resp: 756092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 77.6 | 116.4 |
| 145 | 32.3 | 25.4 | 38.0 |






#31
Naphthalene
Concen: 42.949 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

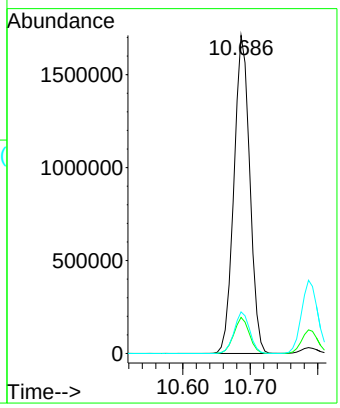
Tgt Ion:128 Resp: 2788005

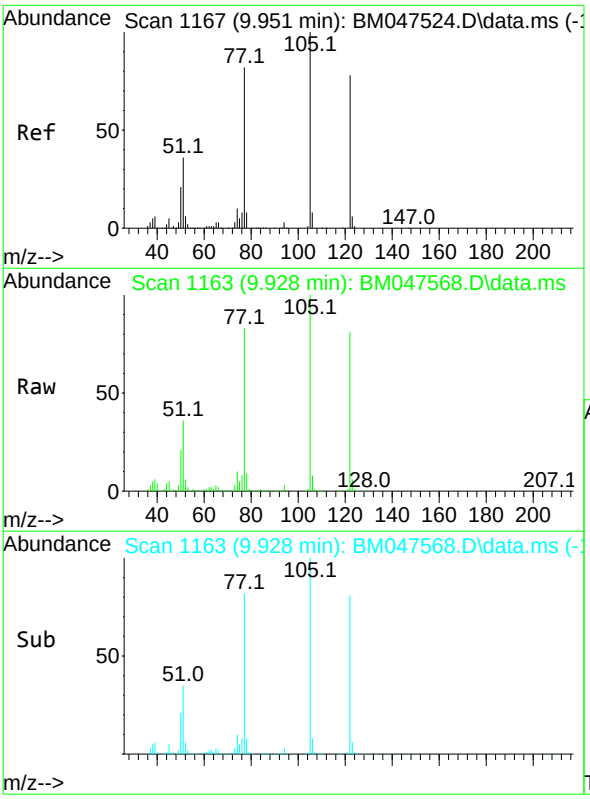
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.7 | 13.1 |
| 127 | 13.1 | 10.5 | 15.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

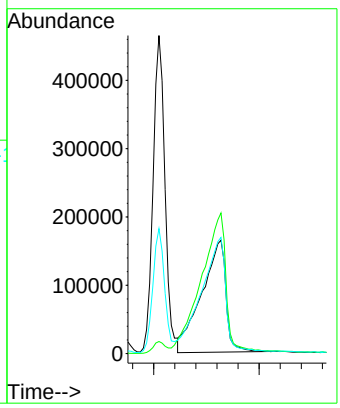


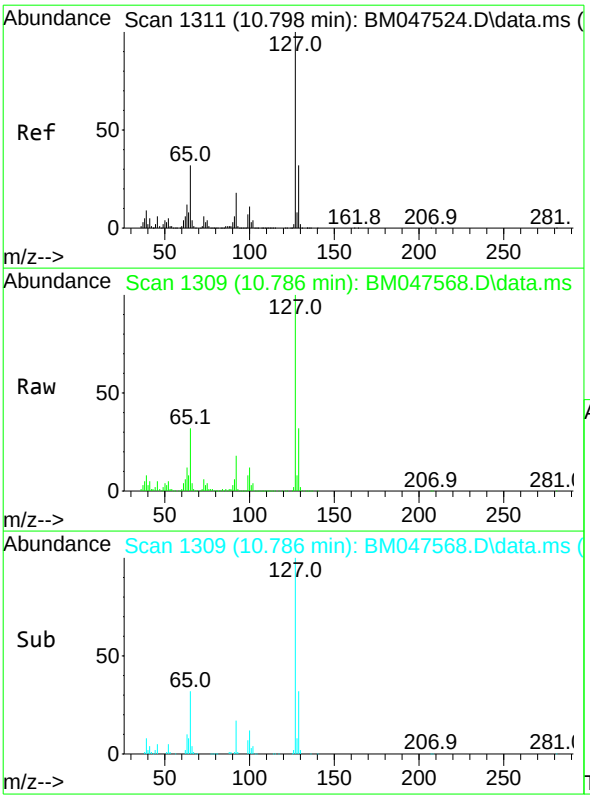




#32
Benzoic acid
Concen: 42.558 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:122 Resp: 523714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 104.7 | 144.7 |
| 77 | 102.5 | 83.4 | 123.4 |






#33
4-Chloroaniline
Concen: 28.322 ng
RT: 10.786 min Scan# 13
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:127 Resp: 664735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.4 | 38.0 |
| 65 | 31.9 | 25.5 | 38.3 |
| 92 | 18.3 | 14.8 | 22.2 |

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 09/20/2024
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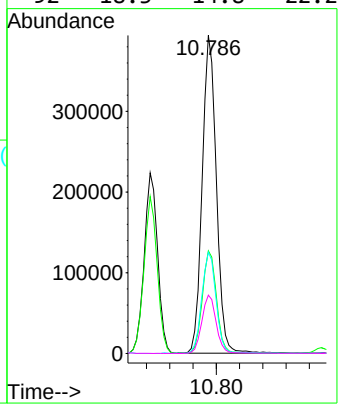
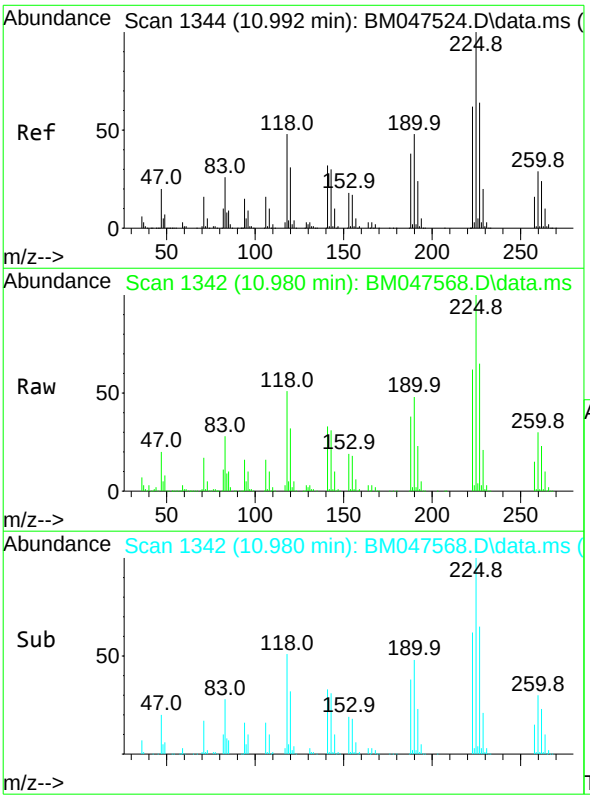
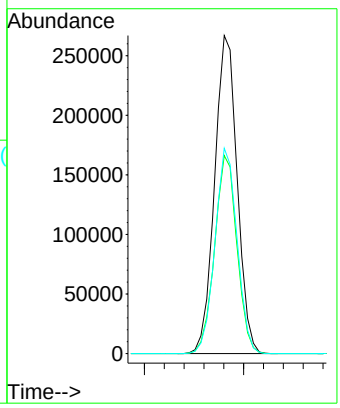


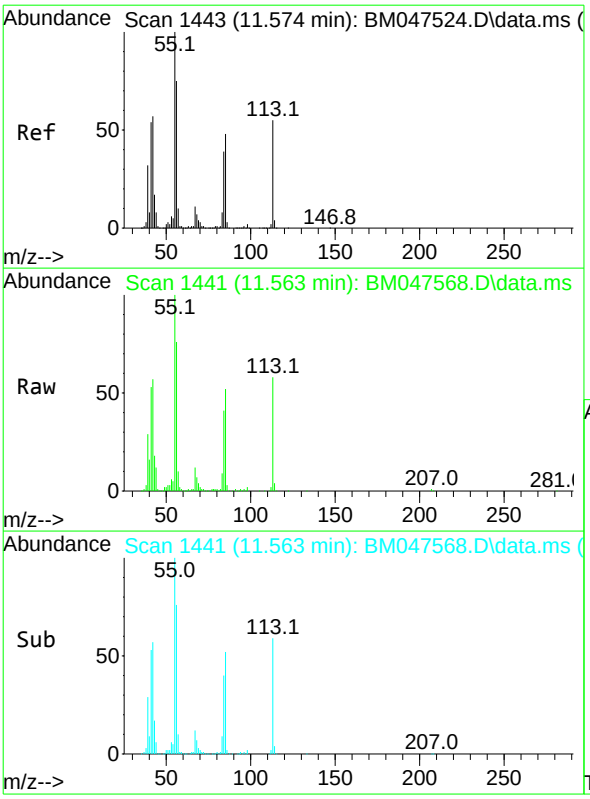




#34
Hexachlorobutadiene
Concen: 41.024 ng
RT: 10.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:225 Resp: 421556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 49.8 | 74.6 |
| 227 | 64.6 | 51.0 | 76.4 |






#35
Caprolactam
Concen: 43.854 ng m
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:113 Resp: 233945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 171.2 | 162.5 | 202.5 |
| 56 | 130.4 | 116.5 | 156.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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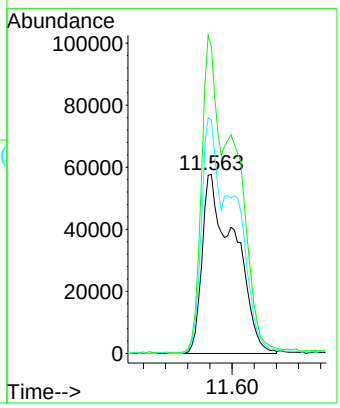
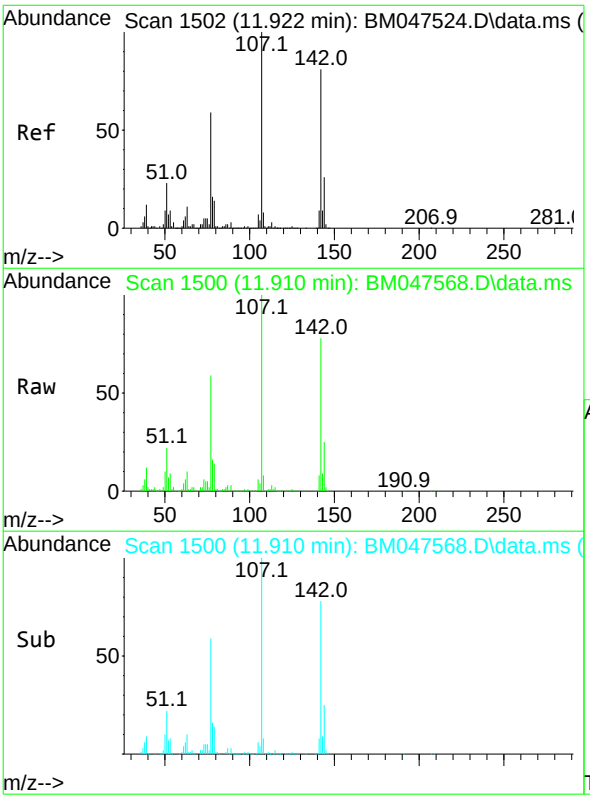
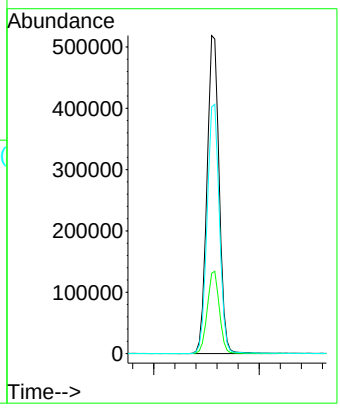


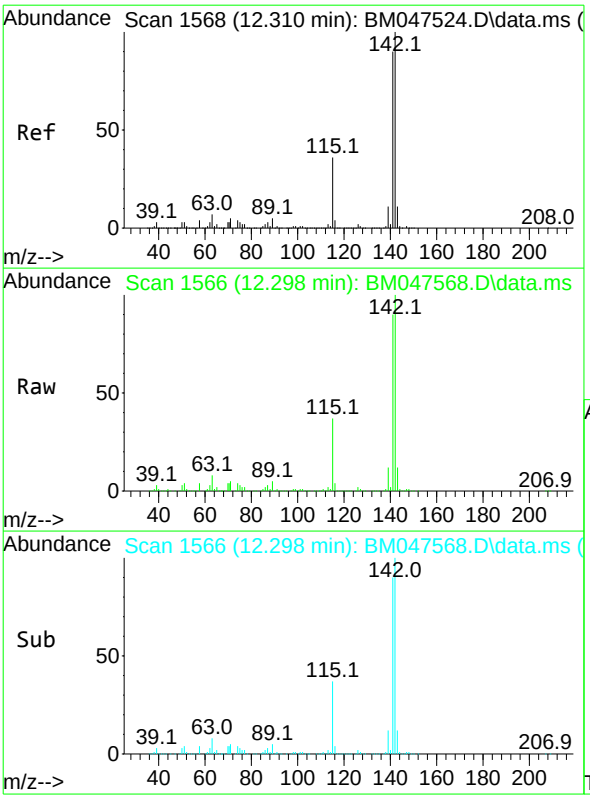




#36
4-Chloro-3-methylphenol
Concen: 44.885 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:107 Resp: 833110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.3 | 20.5 | 30.7 |
| 142 | 77.6 | 65.0 | 97.4 |

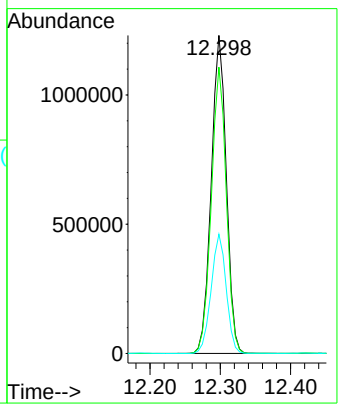





#37
2-Methylnaphthalene
Concen: 42.369 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:142 Resp: 1830535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 72.2 | 108.4 |
| 115 | 37.5 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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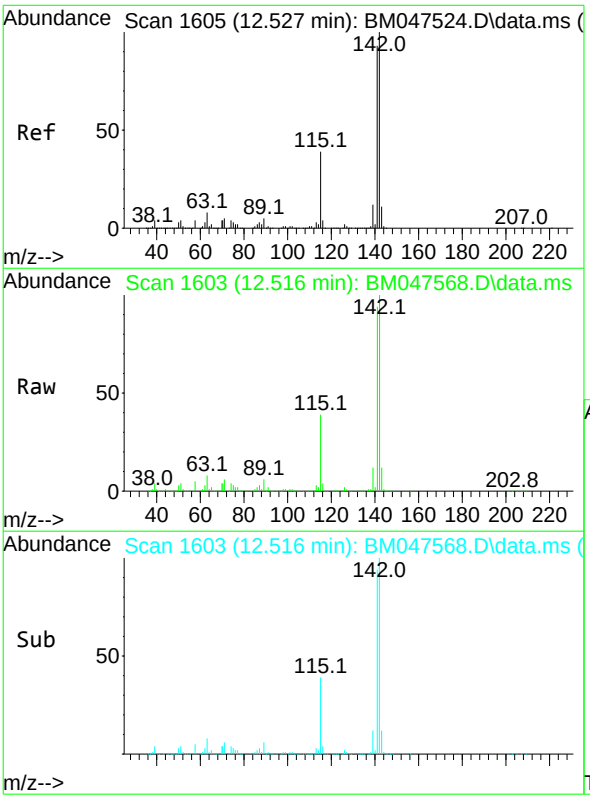
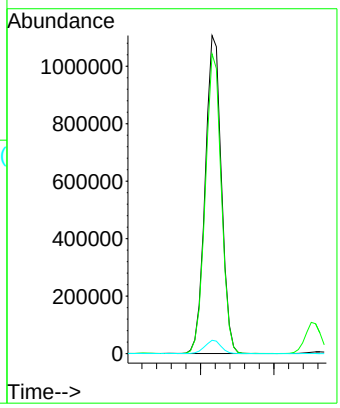
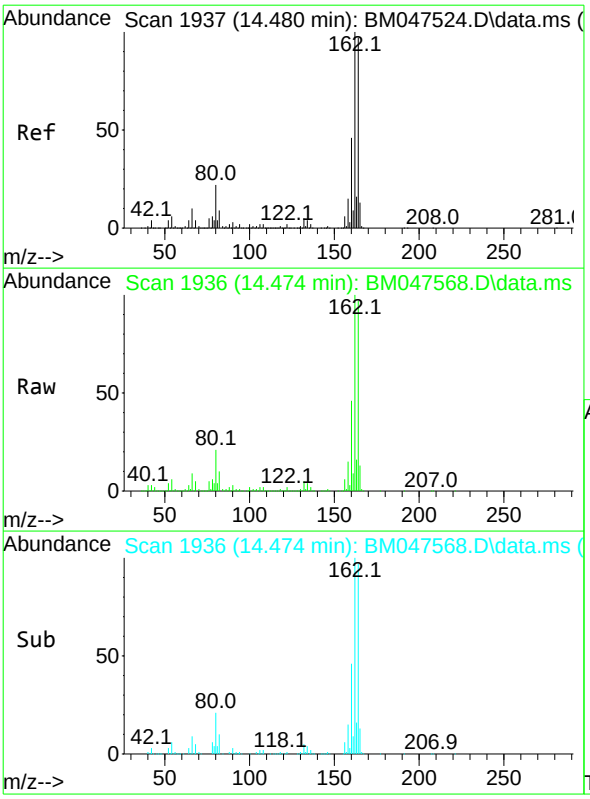



#38
1-Methylnaphthalene
Concen: 39.283 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:142 Resp: 1686622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.2 | 74.7 | 112.1 |
| 116 | 4.2 | 3.2 | 4.8 |

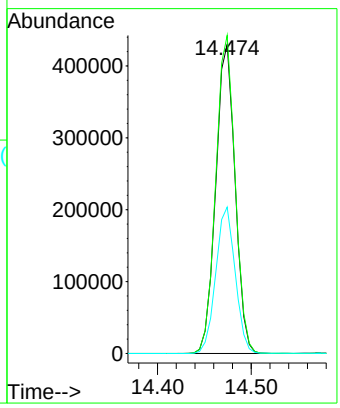





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:164 Resp: 615193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 82.2 | 123.2 |
| 160 | 47.4 | 38.2 | 57.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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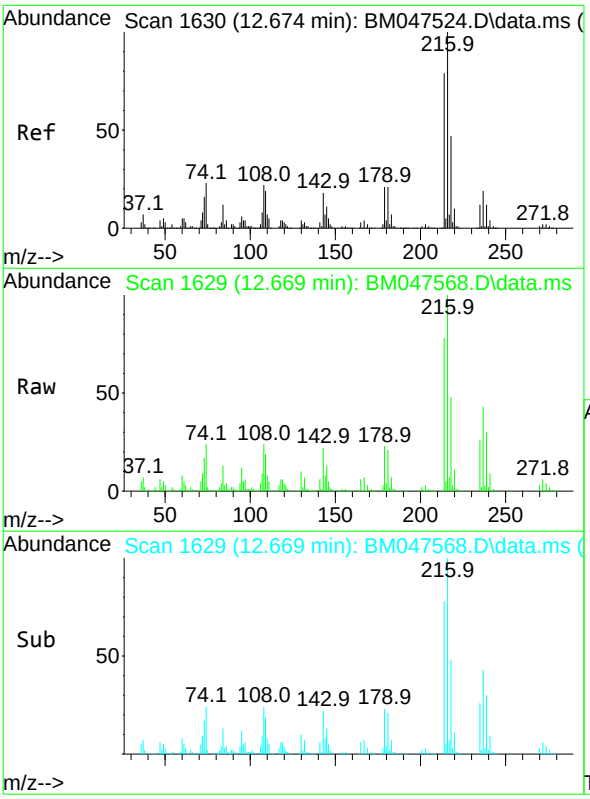
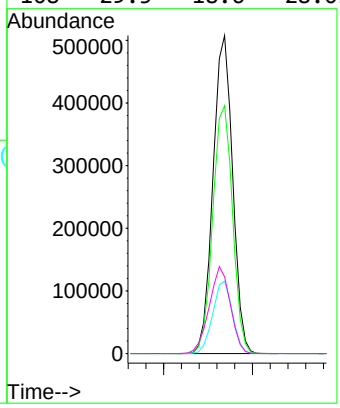
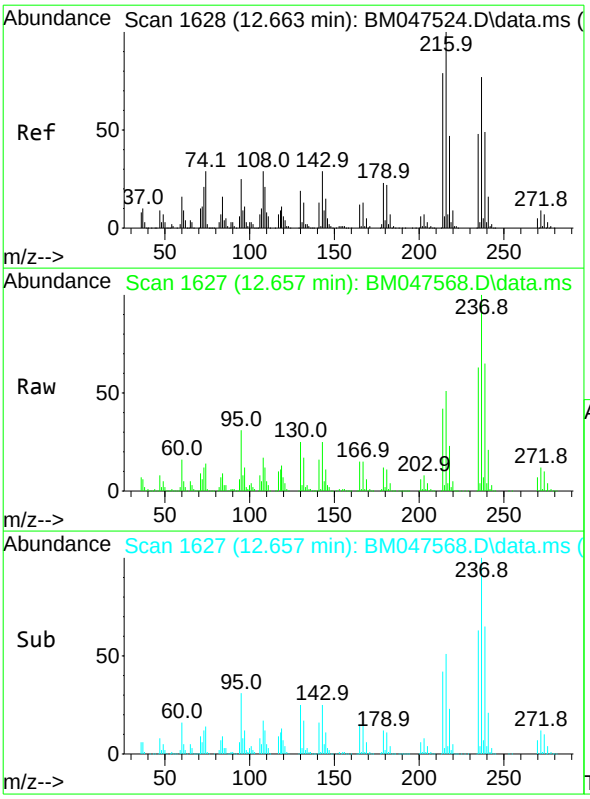



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.783 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:216 Resp: 778787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 63.0 | 94.6 |
| 179 | 22.9 | 17.5 | 26.3 |
| 108 | 29.5 | 18.6 | 28.0# |






#41
Hexachlorocyclopentadiene
Concen: 171.243 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

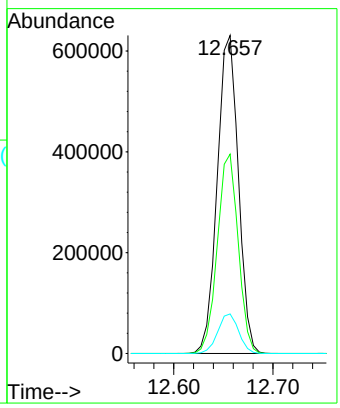
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

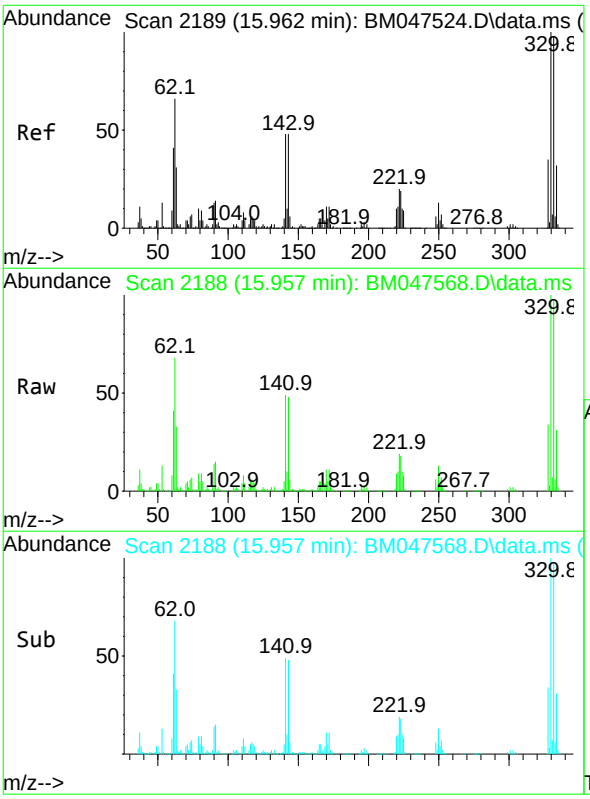
Tgt Ion:237 Resp: 931901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 42.0 | 82.0 |
| 272 | 12.4 | 0.0 | 31.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

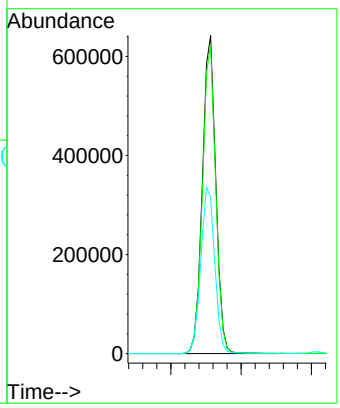


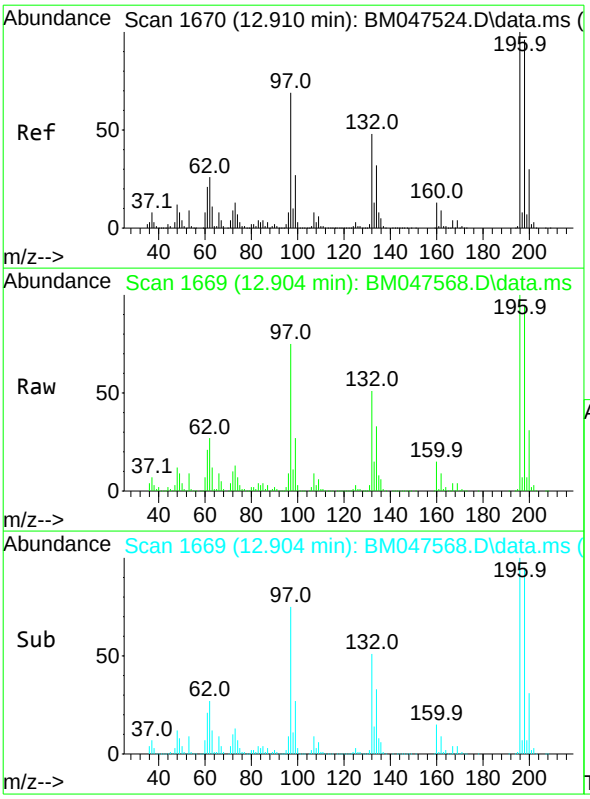




#42
2,4,6-Tribromophenol
Concen: 142.405 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:330 Resp: 846795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 55.0 | 42.2 | 63.2 |

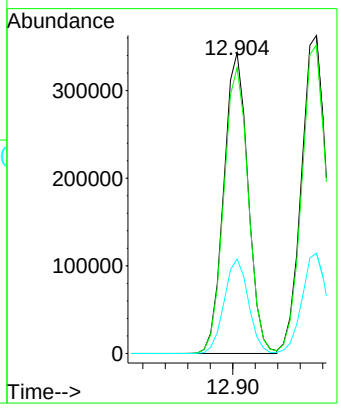





#43
2,4,6-Trichlorophenol
Concen: 49.239 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:196 Resp: 513517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.0 | 76.9 | 115.3 |
| 200 | 31.4 | 24.3 | 36.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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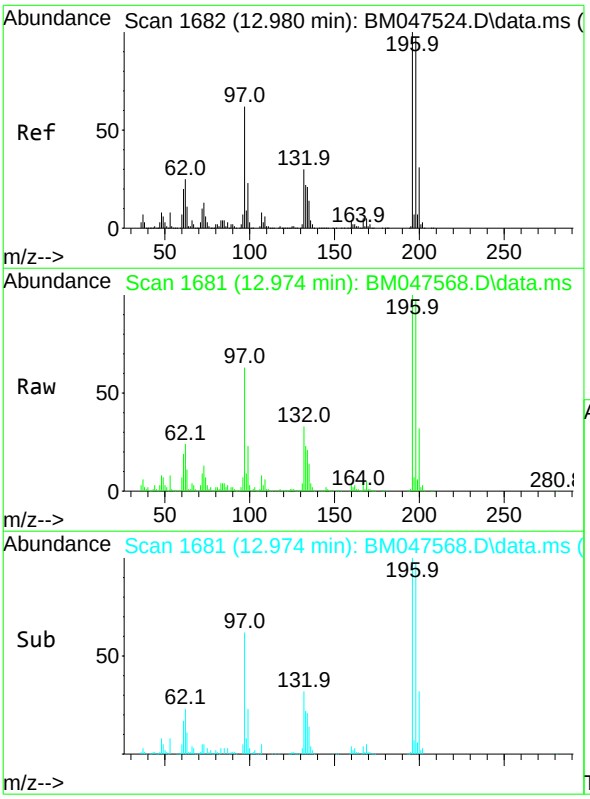
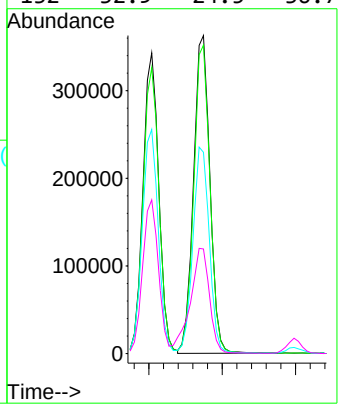
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

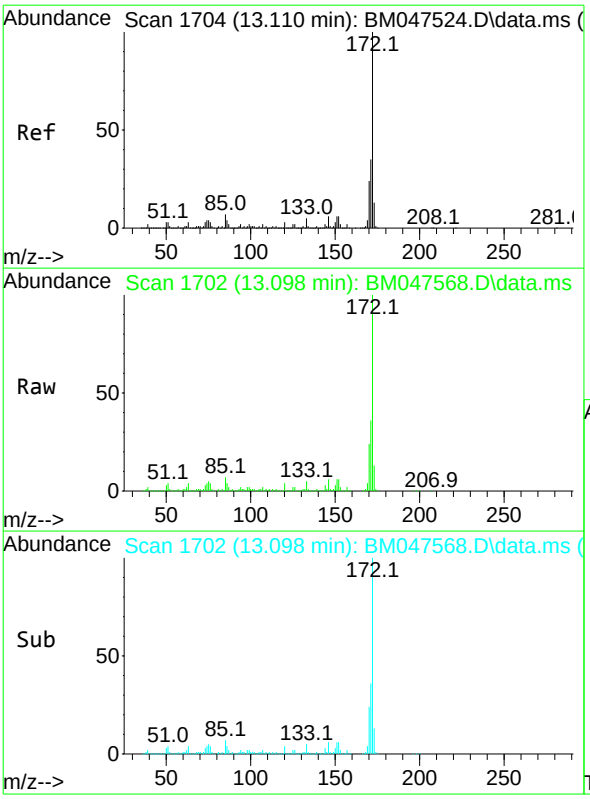



#44
2,4,5-Trichlorophenol
Concen: 47.669 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:196 Resp: 561526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.0 | 77.4 | 116.2 |
| 97 | 63.3 | 49.8 | 74.8 |
| 132 | 32.9 | 24.5 | 36.7 |

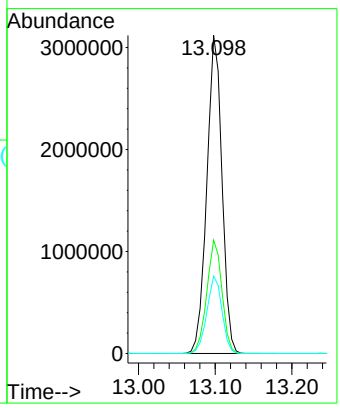





#45
2-Fluorobiphenyl
Concen: 95.753 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:172 Resp: 4276289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.2 | 42.2 |
| 170 | 24.3 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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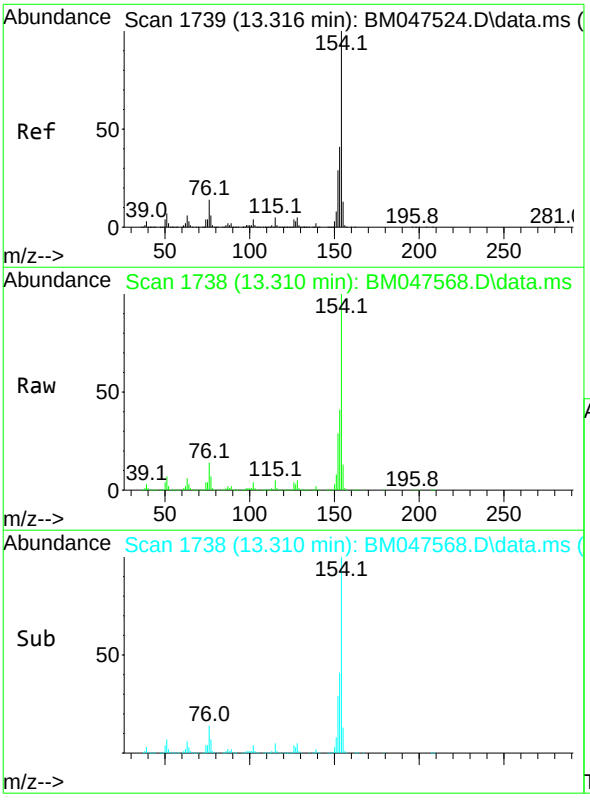
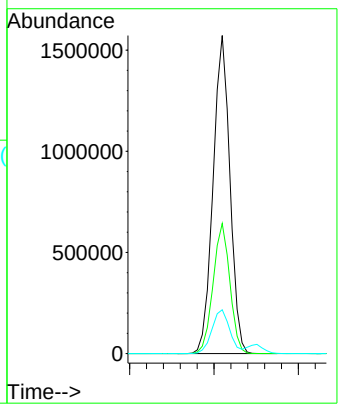
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

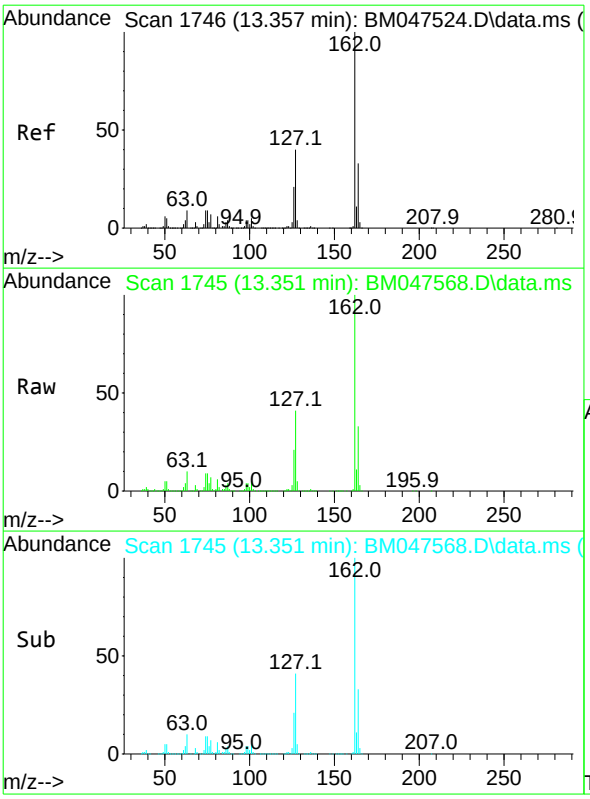



#46
1,1'-Biphenyl
Concen: 45.573 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:154 Resp: 2181353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 20.6 | 60.6 |
| 76 | 13.8 | 0.0 | 33.9 |

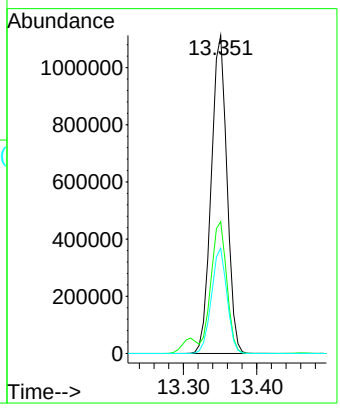





#47
2-Chloronaphthalene
Concen: 44.537 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:162 Resp: 1655276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.4 | 32.2 | 48.4 |
| 164 | 33.1 | 26.3 | 39.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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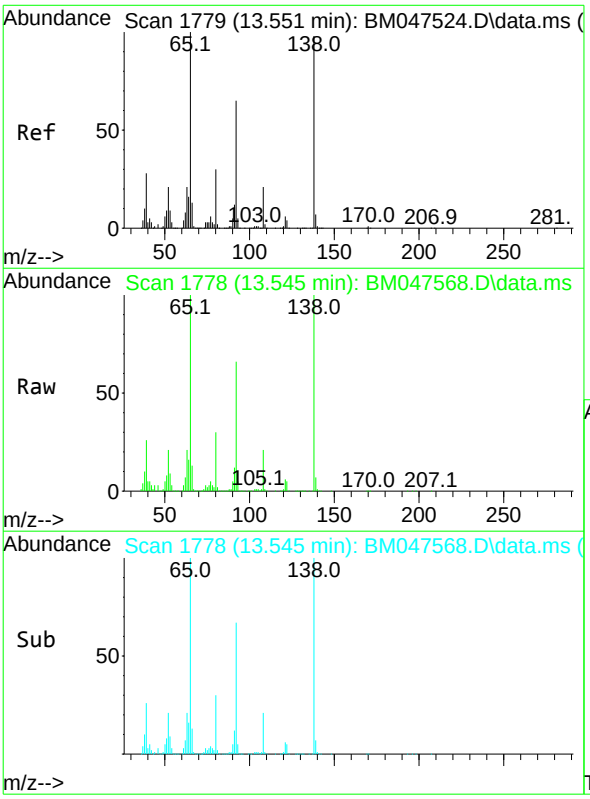
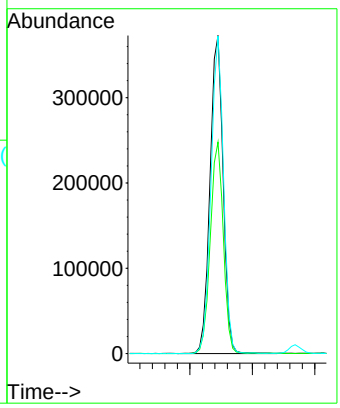
Supervised By :mohammad ahmed 09/22/2024

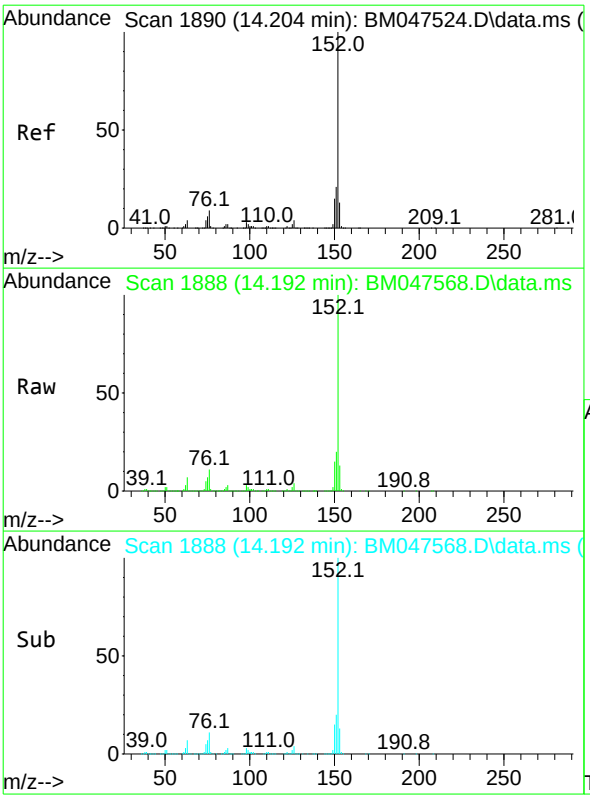



#48
2-Nitroaniline
Concen: 49.716 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion: 65 Resp: 542727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.5 | 51.9 | 77.9 |
| 138 | 99.8 | 78.5 | 117.7 |






#49
Acenaphthylene
Concen: 49.275 ng
RT: 14.192 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:152 Resp: 2642771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.5 | 24.7 |
| 153 | 13.4 | 10.4 | 15.6 |

**Manual Integrations**
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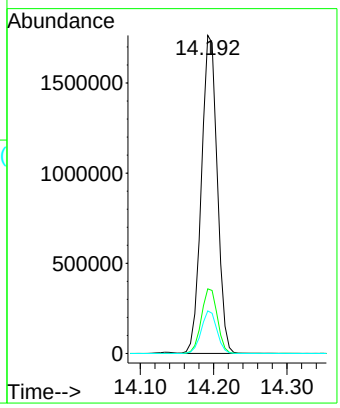
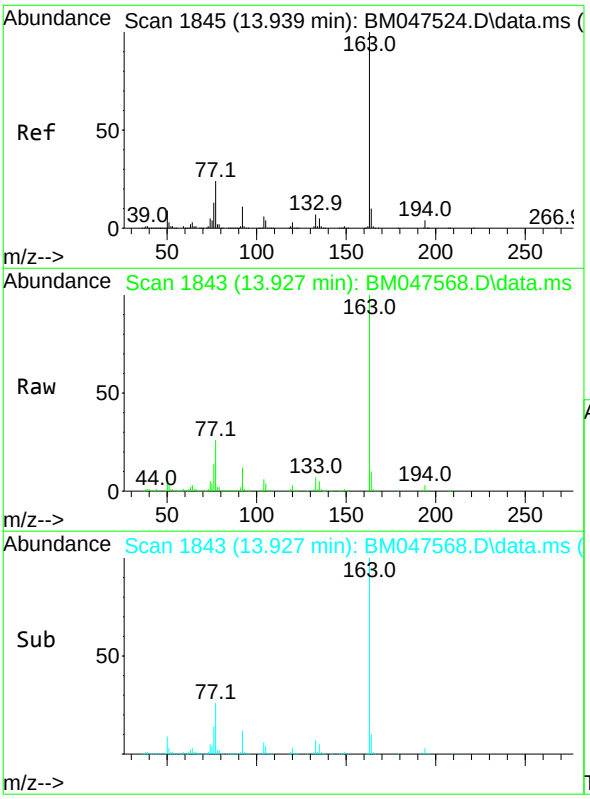
Supervised By :mohammad ahmed 09/22/2024

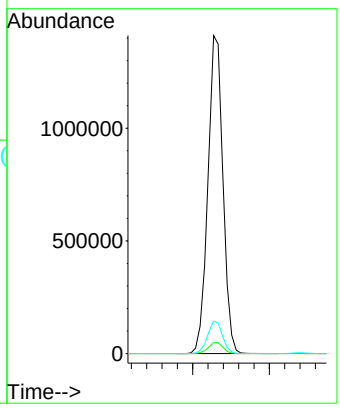


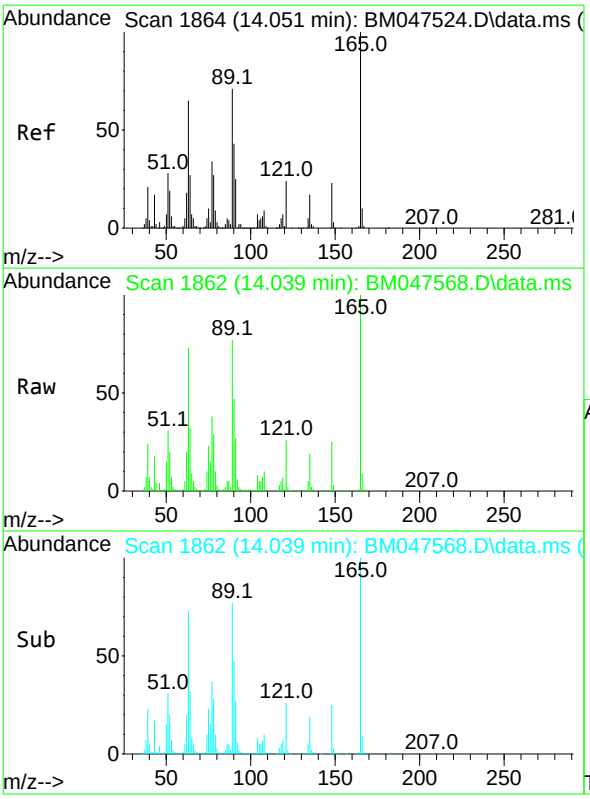




#50
Dimethylphthalate
Concen: 45.854 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:163 Resp: 1922665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.9 | 4.3 |
| 164 | 10.2 | 7.9 | 11.9 |






#51
2,6-Dinitrotoluene
Concen: 44.184 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:165 Resp: 391098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 73.3 | 54.2 | 81.2 |
| 89 | 77.4 | 56.4 | 84.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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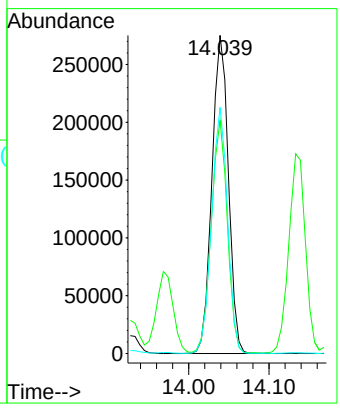
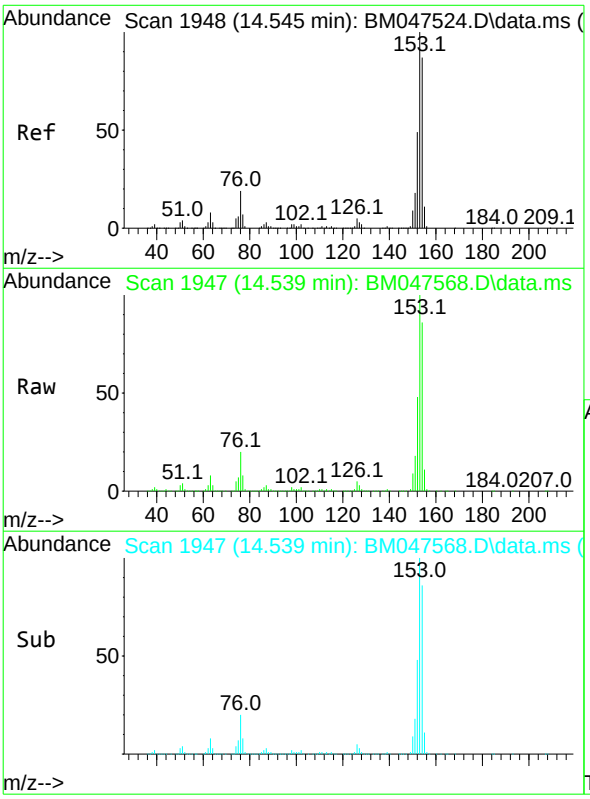
Supervised By :mohammad ahmed 09/22/2024

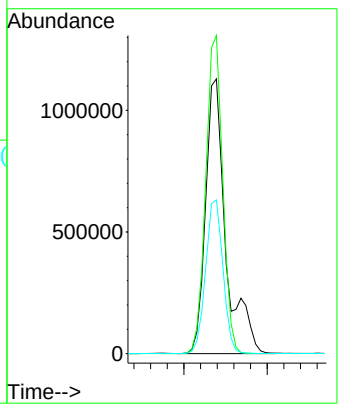


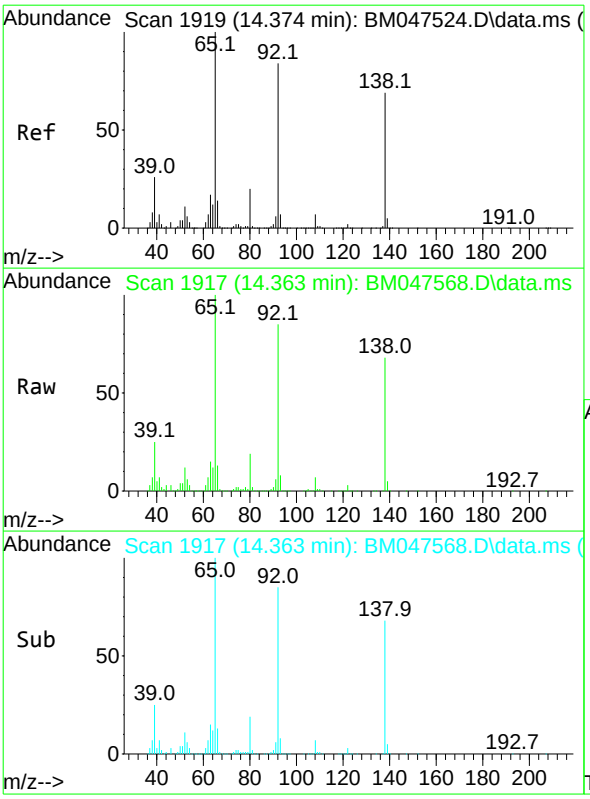




#52
Acenaphthene
Concen: 50.990 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:154 Resp: 1916152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.8 | 92.2 | 138.2 |
| 152 | 55.9 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 36.898 ng
RT: 14.363 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:138 Resp: 363030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.0 | 12.0 |
| 92 | 125.2 | 97.4 | 146.0 |

**Manual Integrations**
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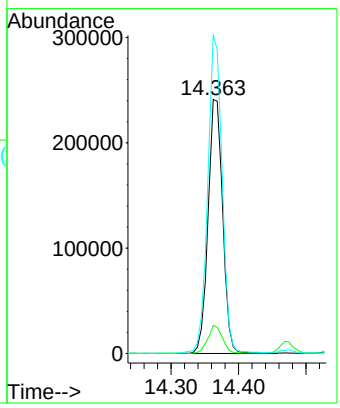
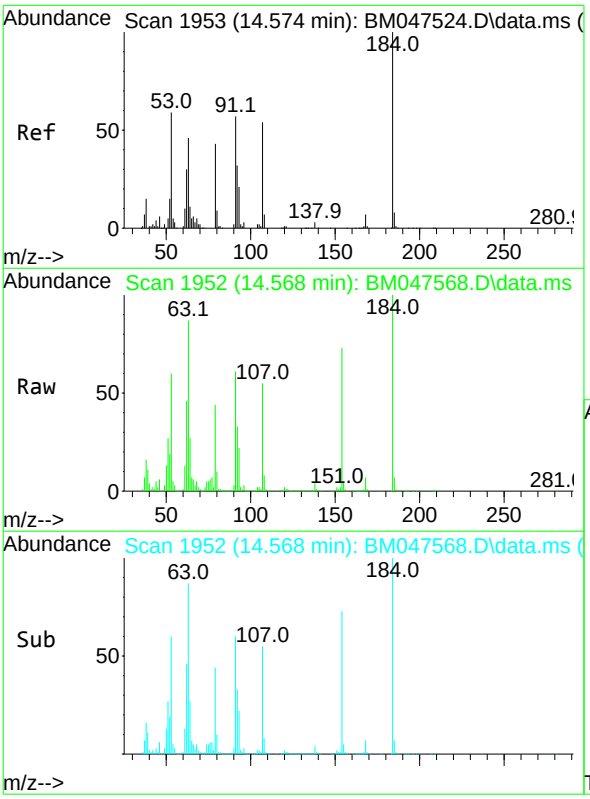
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

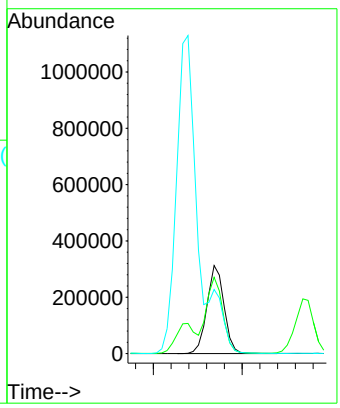


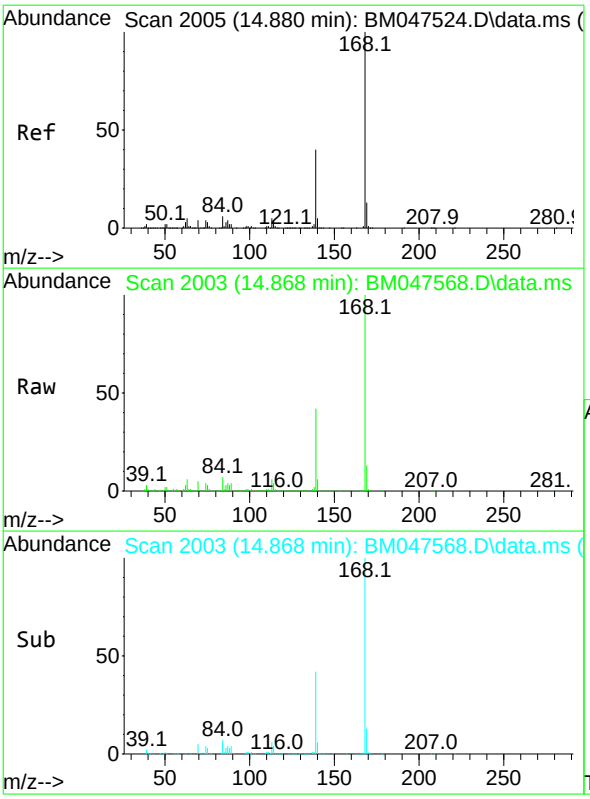




#54
2,4-Dinitrophenol
Concen: 82.737 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:184 Resp: 418269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 86.7 | 69.4 | 104.0 |
| 154 | 72.8 | 60.4 | 90.6 |






#55
Dibenzofuran
Concen: 44.471 ng
RT: 14.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

Tgt Ion:168 Resp: 2348412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.2 | 31.9 | 47.9 |
| 169 | 13.4 | 10.5 | 15.7 |

**Manual Integrations**
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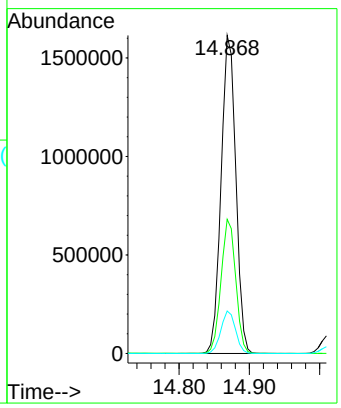
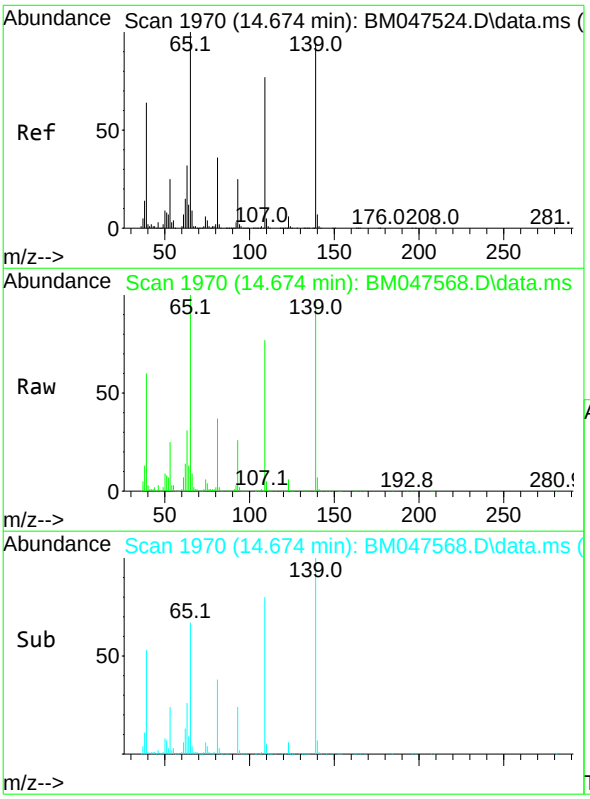
Supervised By :mohammad ahmed 09/22/2024

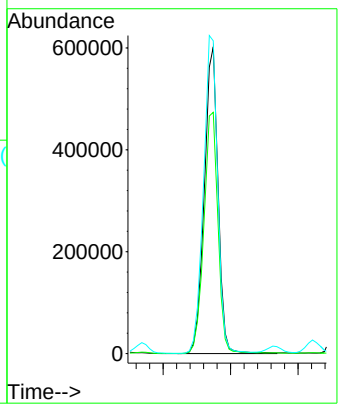


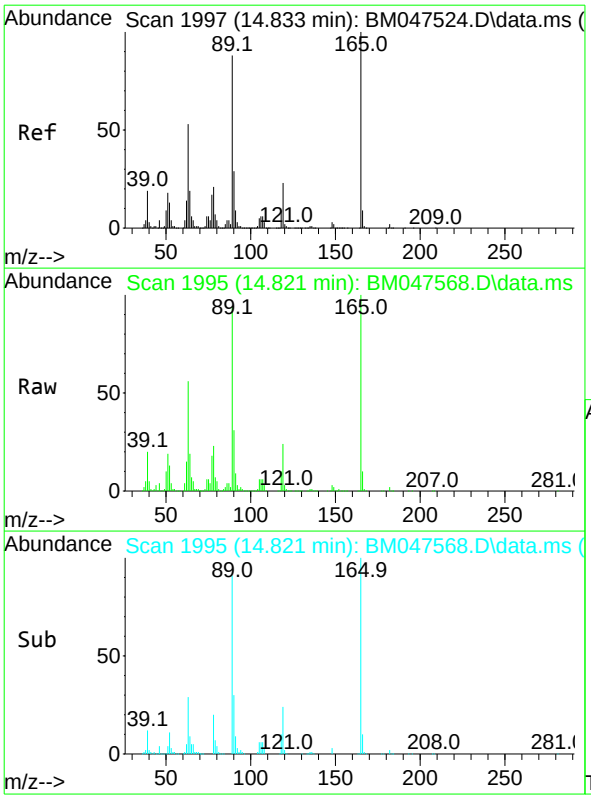




#56
4-Nitrophenol
Concen: 105.644 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:139 Resp: 855296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.7 | 62.0 | 102.0 |
| 65 | 102.0 | 87.0 | 127.0 |

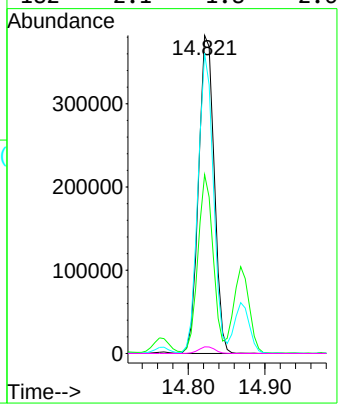





#57
2,4-Dinitrotoluene
Concen: 45.889 ng
RT: 14.821 min Scan# 19
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:165 Resp: 541739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.2 | 42.4 | 63.6 |
| 89 | 94.3 | 70.5 | 105.7 |
| 182 | 2.1 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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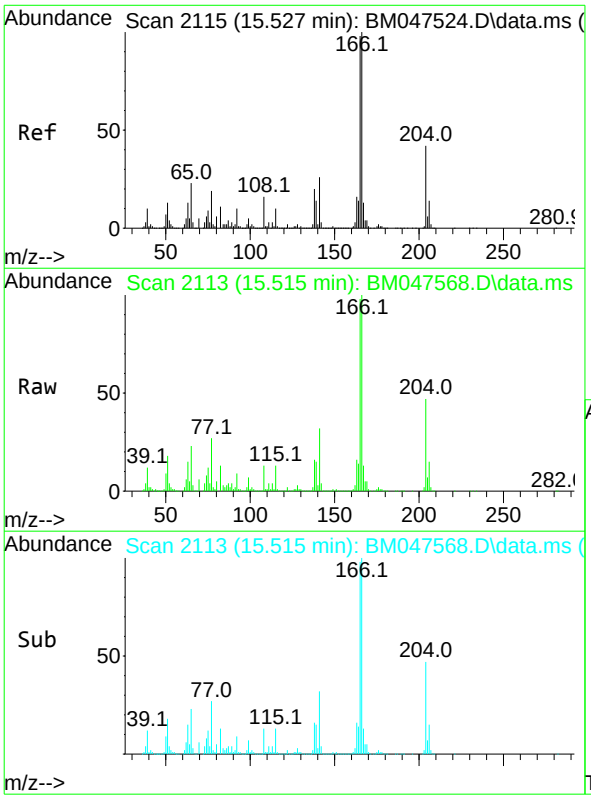
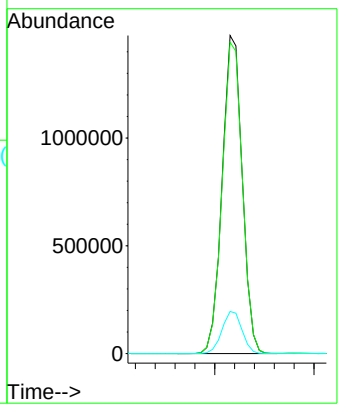
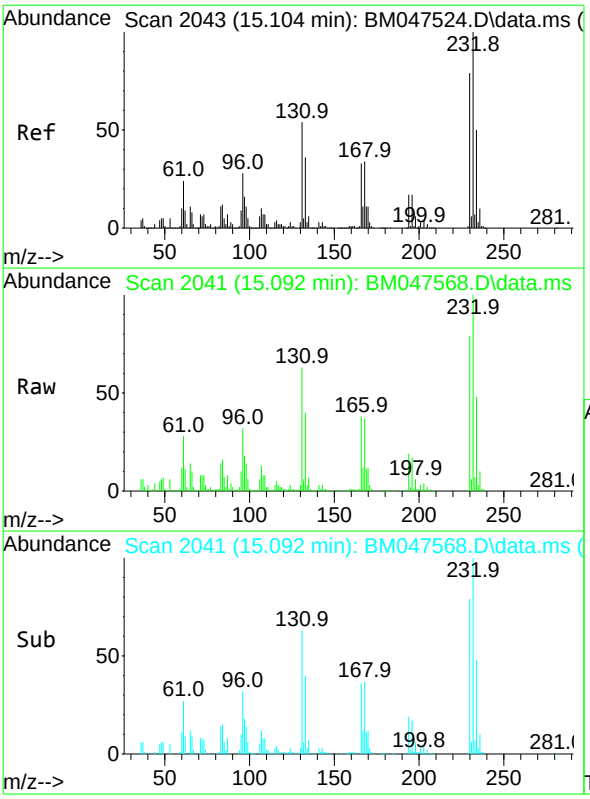



#58
Fluorene
Concen: 43.429 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:166 Resp: 2064805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.9 | 78.6 | 117.8 |
| 167 | 13.2 | 10.7 | 16.1 |

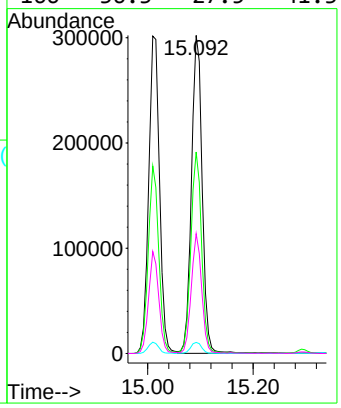





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.385 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:232 Resp: 426009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 63.4 | 47.0 | 70.4 |
| 130 | 3.6 | 2.6 | 3.8 |
| 166 | 36.3 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
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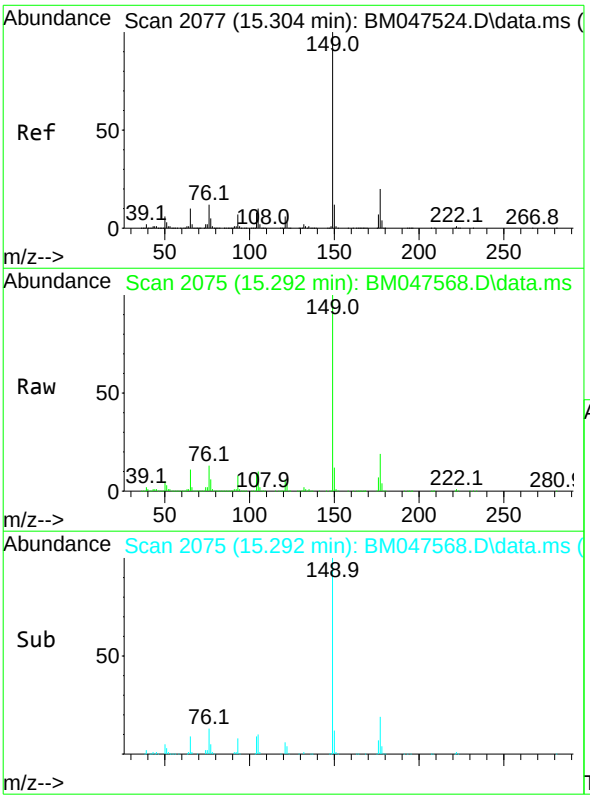
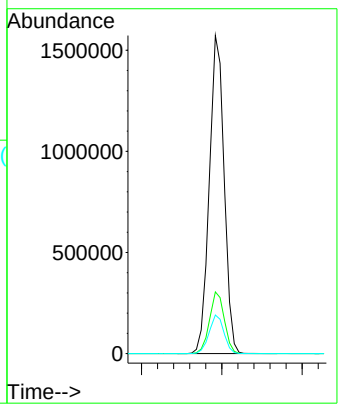
Supervised By :mohammad ahmed 09/22/2024

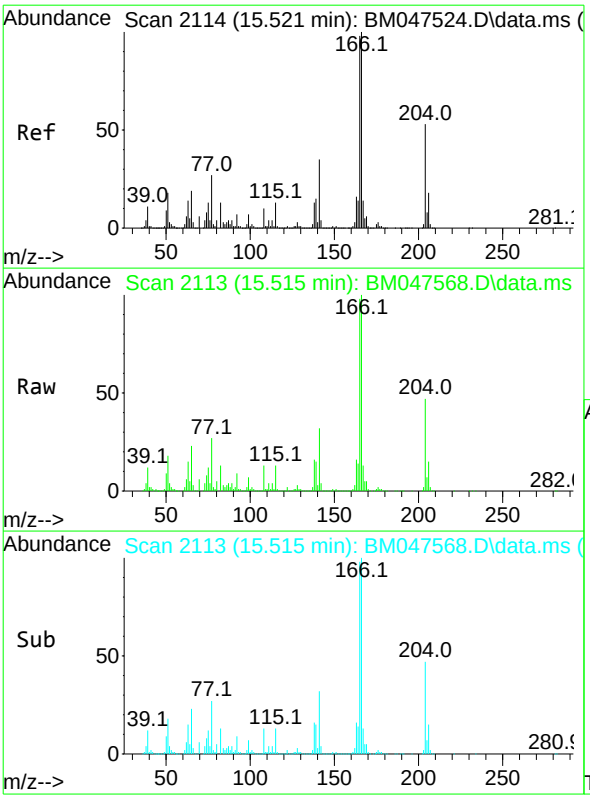



#60
Diethylphthalate
Concen: 45.216 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 2017759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 19.4 | 15.8 | 23.8 |
| 150 | 12.1 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 41.870 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

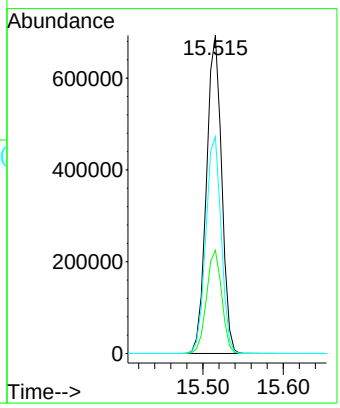
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

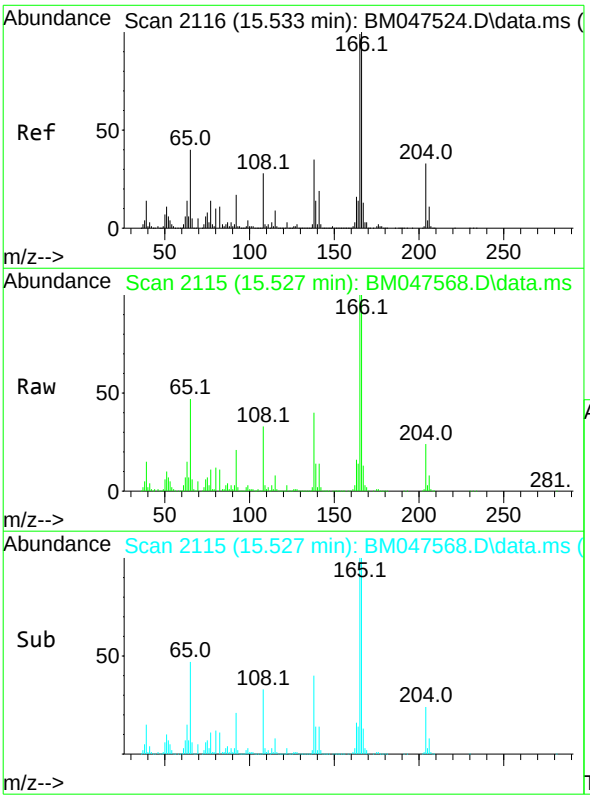
Tgt Ion:204 Resp: 910211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.5 | 39.7 |
| 141 | 68.2 | 52.1 | 78.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

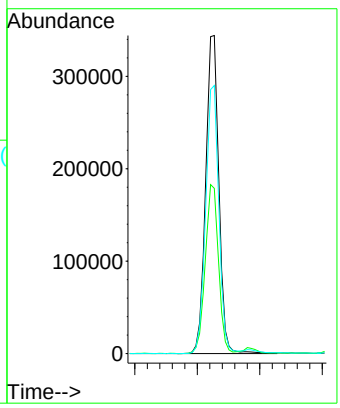


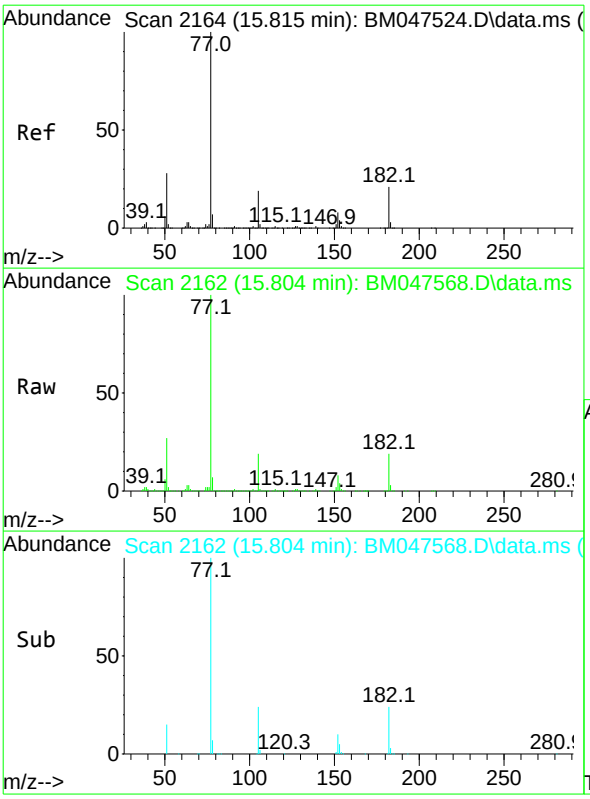




#62
4-Nitroaniline
Concen: 43.698 ng
RT: 15.527 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:138 Resp: 505374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.0 | 30.0 | 70.0 |
| 108 | 84.3 | 61.7 | 101.7 |






#63
Azobenzene
Concen: 47.721 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

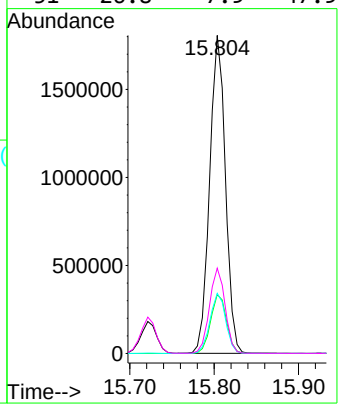
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

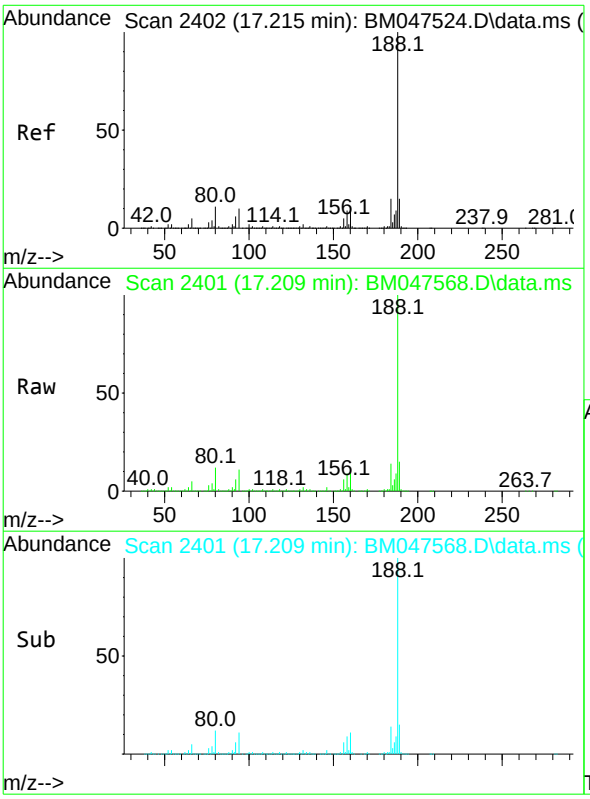
Tgt Ion: 77 Resp: 2344863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 18.5 | 1.2 | 41.2 |
| 105 | 18.9 | 0.0 | 39.4 |
| 51 | 26.8 | 7.9 | 47.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

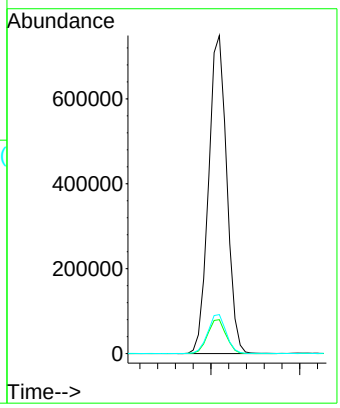


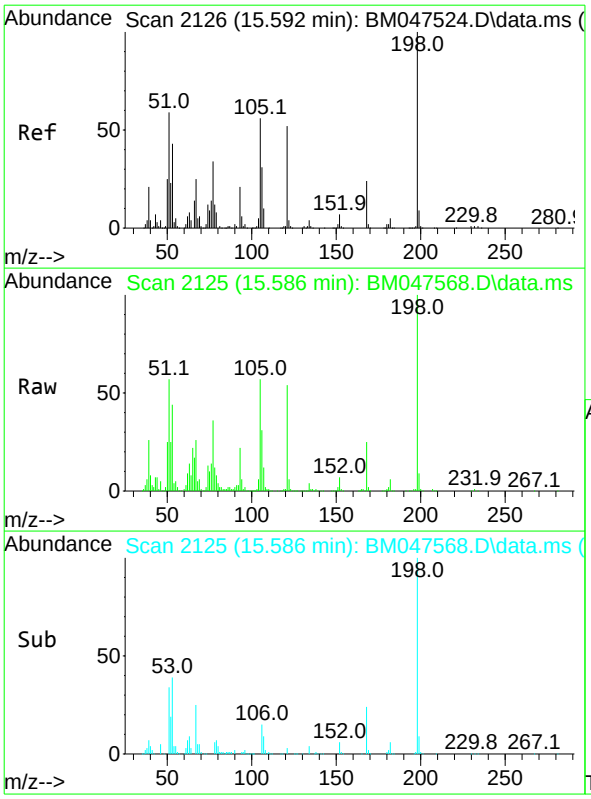




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:188 Resp: 1066013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.4 | 12.6 |
| 80 | 12.3 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 44.884 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

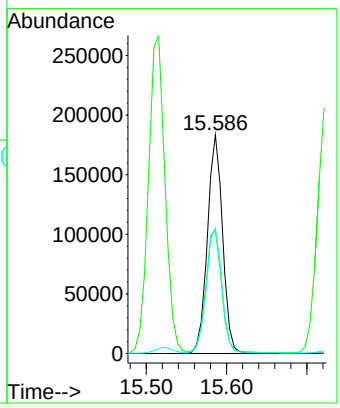
Tgt Ion:198 Resp: 240735

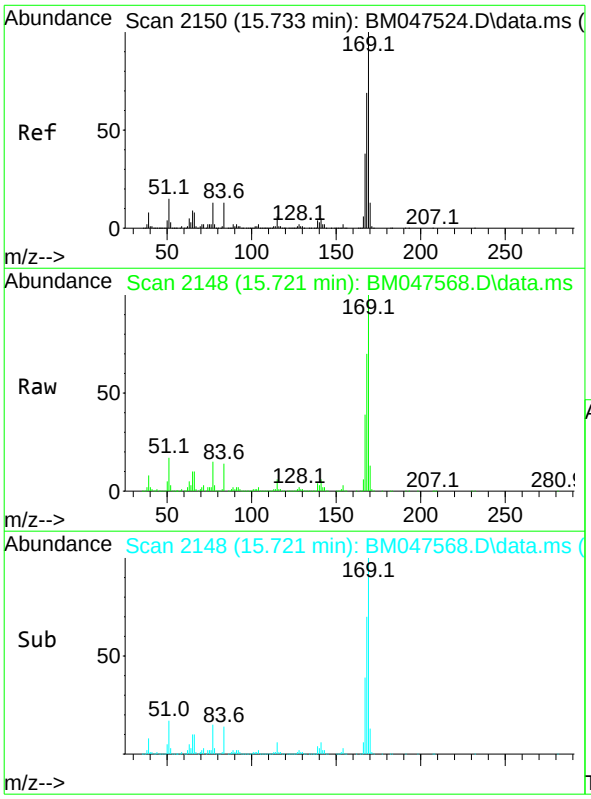
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.7 | 41.5 | 81.5 |
| 105 | 57.3 | 36.4 | 76.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

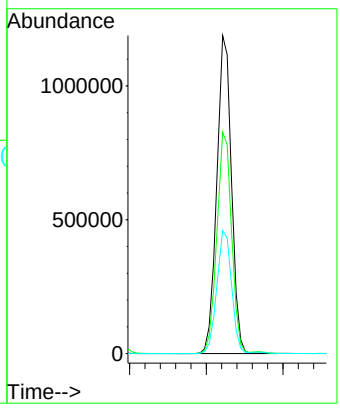


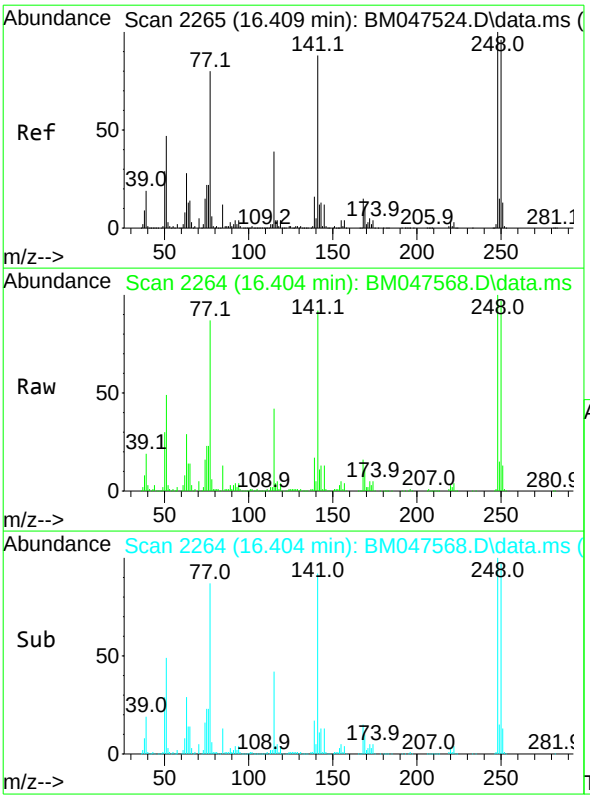




#66
n-Nitrosodiphenylamine
Concen: 48.315 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:169 Resp: 1575610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.6 | 55.3 | 82.9 |
| 167 | 38.7 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 44.020 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

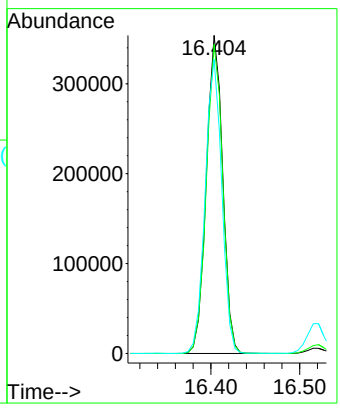
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

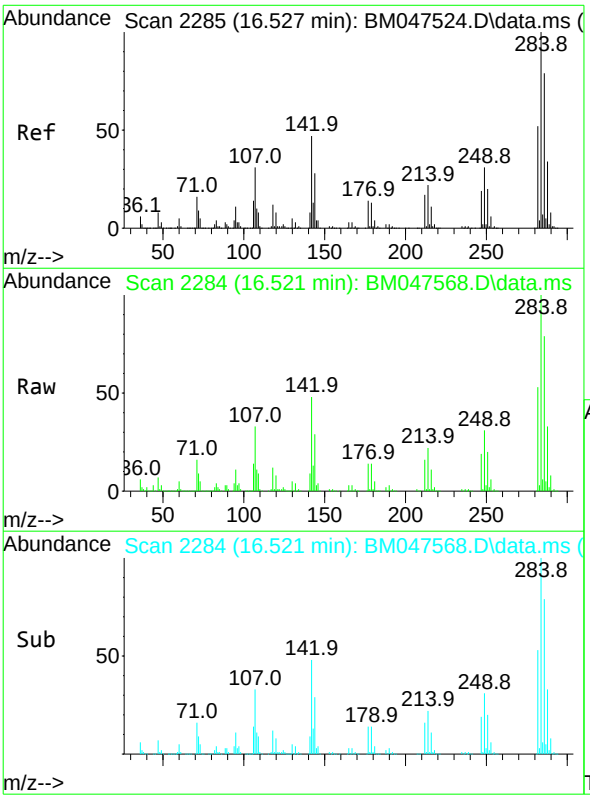
Tgt Ion:248 Resp: 455967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 76.9 | 115.3 |
| 141 | 92.5 | 70.8 | 106.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

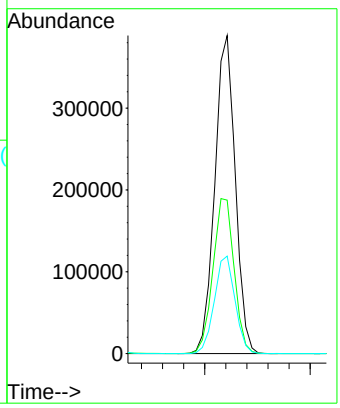


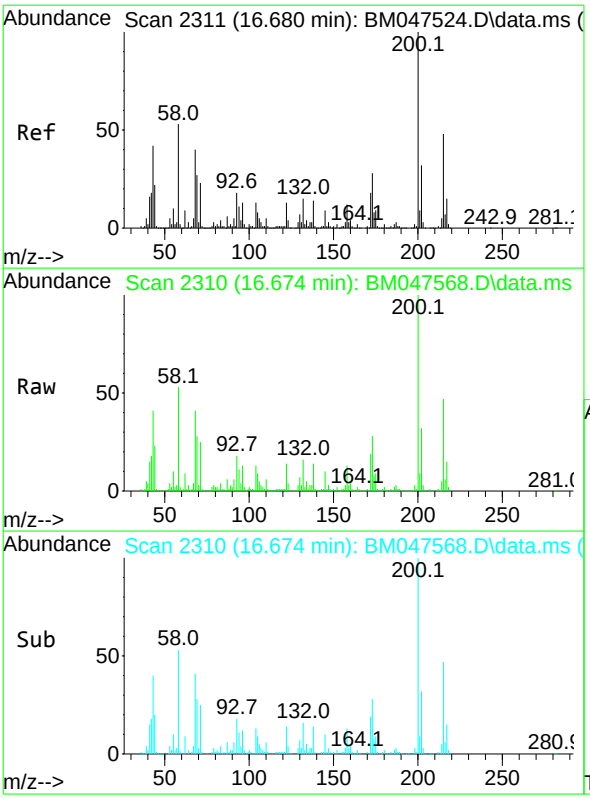




#68
Hexachlorobenzene
Concen: 44.635 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:284 Resp: 523759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 48.3 | 37.3 | 55.9 |
| 249 | 30.6 | 24.5 | 36.7 |






#69
Atrazine
Concen: 51.477 ng
RT: 16.674 min Scan# 23
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

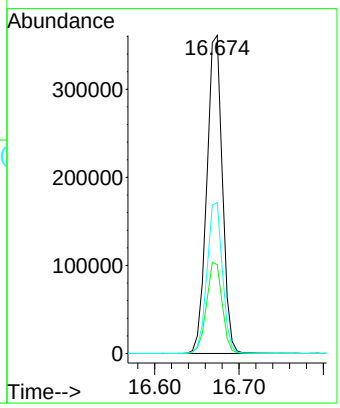
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

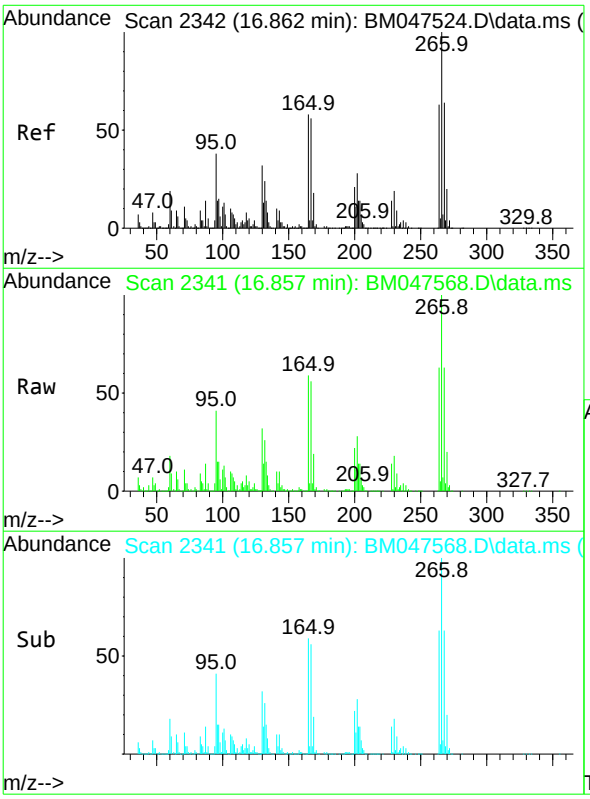
Tgt Ion:200 Resp: 463991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.0 | 7.7 | 47.7 |
| 215 | 47.5 | 27.9 | 67.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

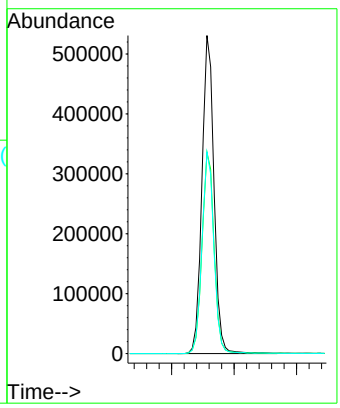


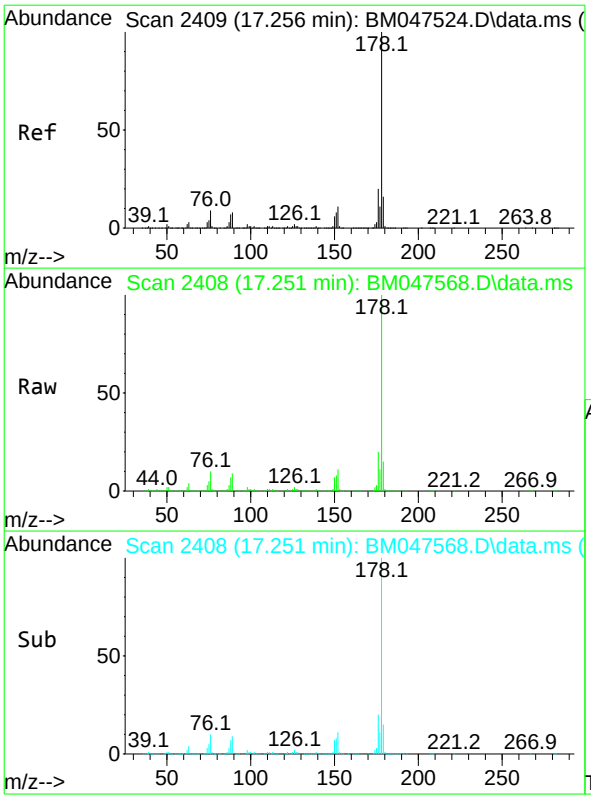




#70
Pentachlorophenol
Concen: 104.346 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:266 Resp: 709776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 51.0 | 76.4 |
| 264 | 63.3 | 50.4 | 75.6 |






#71
Phenanthrene
Concen: 46.637 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

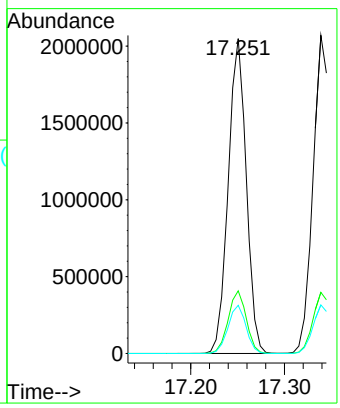
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

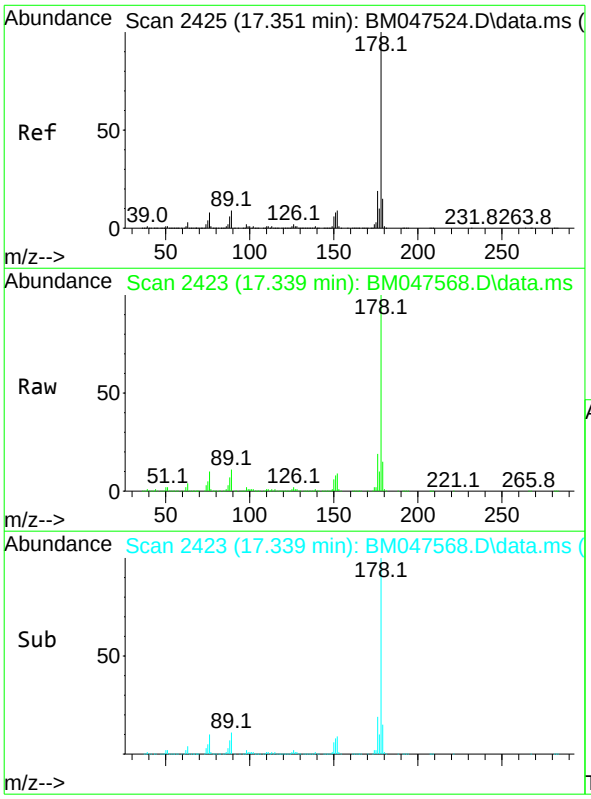
Tgt Ion:178 Resp: 2739821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.0 | 24.0 |
| 179 | 15.3 | 12.4 | 18.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

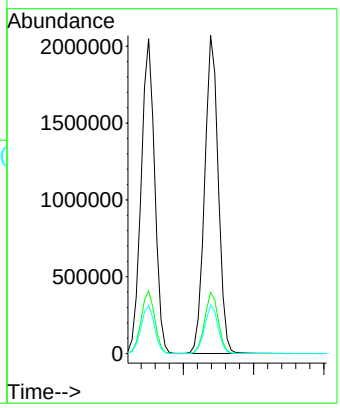


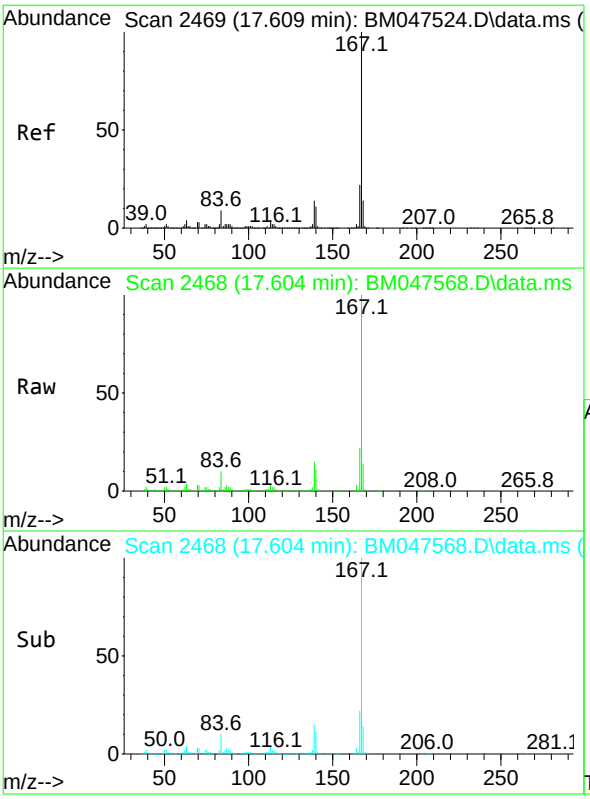




#72
Anthracene
Concen: 49.217 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:178 Resp: 2777929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.3 | 12.3 | 18.5 |






#73
Carbazole
Concen: 46.256 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

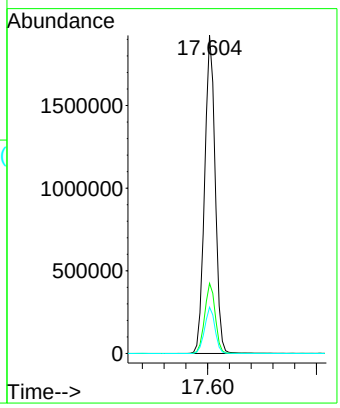
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

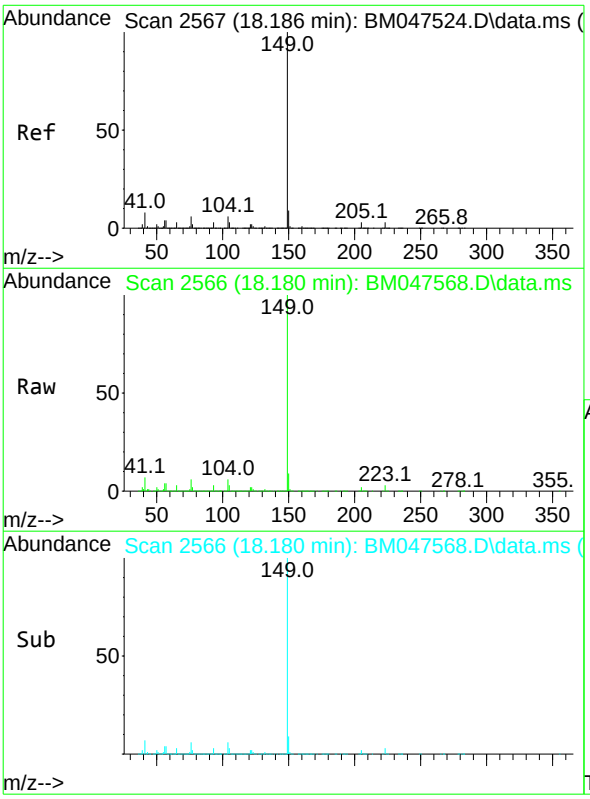
Tgt Ion:167 Resp: 2587365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.8 | 26.8 |
| 139 | 14.5 | 11.0 | 16.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

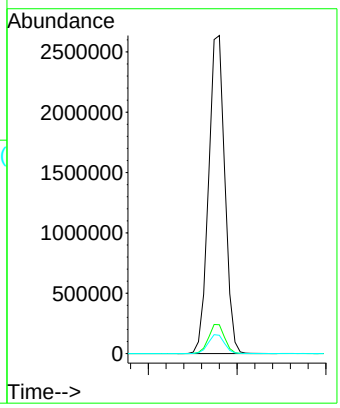


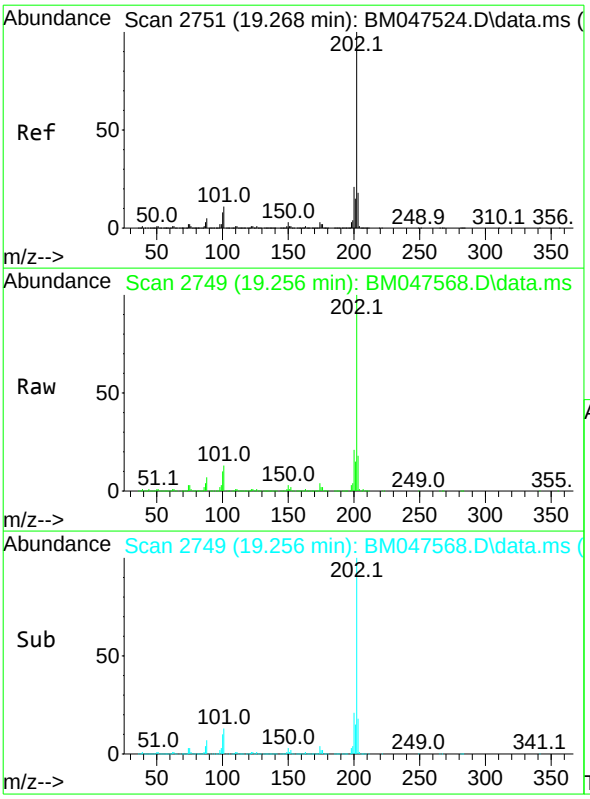




#74
Di-n-butylphthalate
Concen: 49.983 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 3345257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.4 | 11.2 |
| 104 | 5.7 | 4.6 | 6.8 |

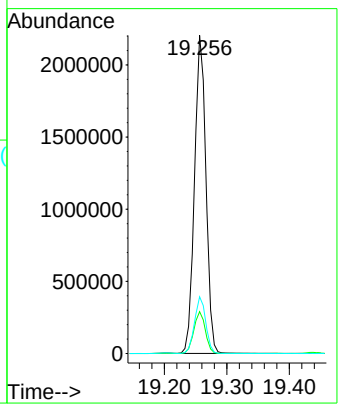





#75
Fluoranthene
Concen: 43.686 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:202 Resp: 2800166

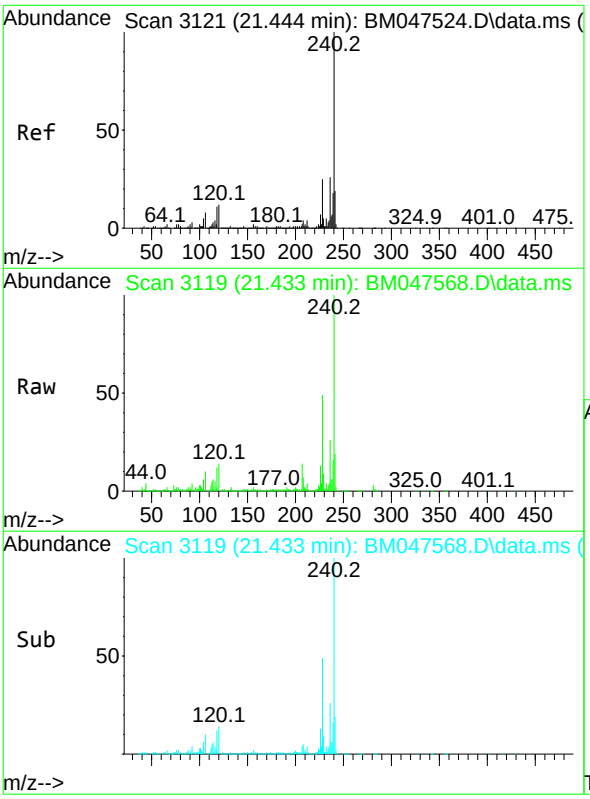
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 0.0 | 30.8 |
| 203 | 17.8 | 0.0 | 37.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

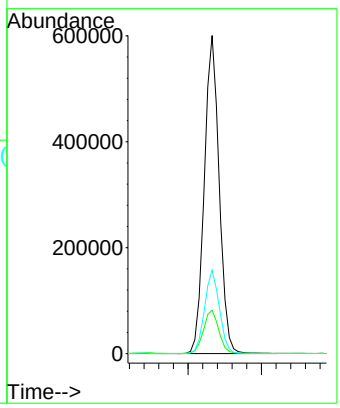
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

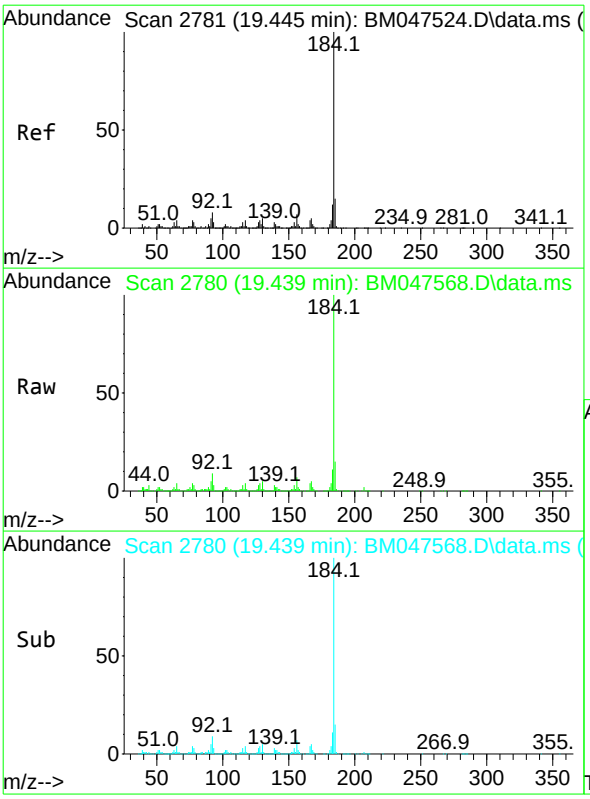



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:240 Resp: 844898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.6 | 9.6 | 14.4 |
| 236 | 26.2 | 20.9 | 31.3 |






#77
Benzidine
Concen: 88.854 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

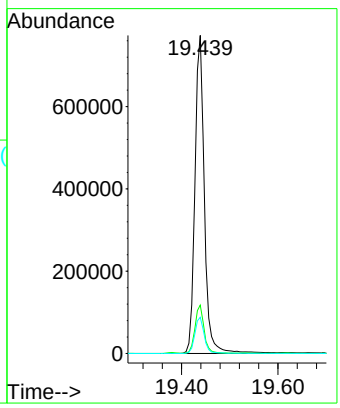
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

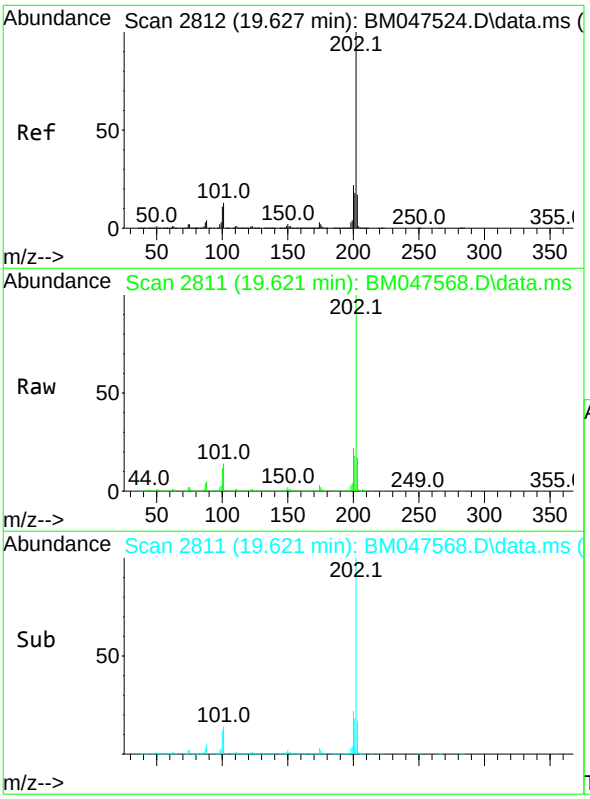
Tgt Ion:184 Resp: 1057298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 12.2 | 18.2 |
| 183 | 11.4 | 9.6 | 14.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

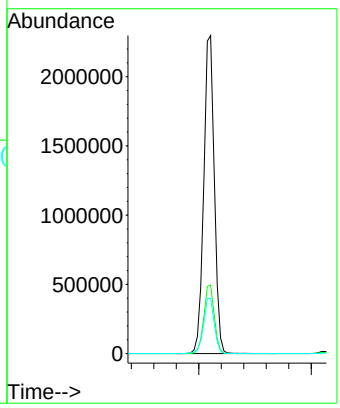


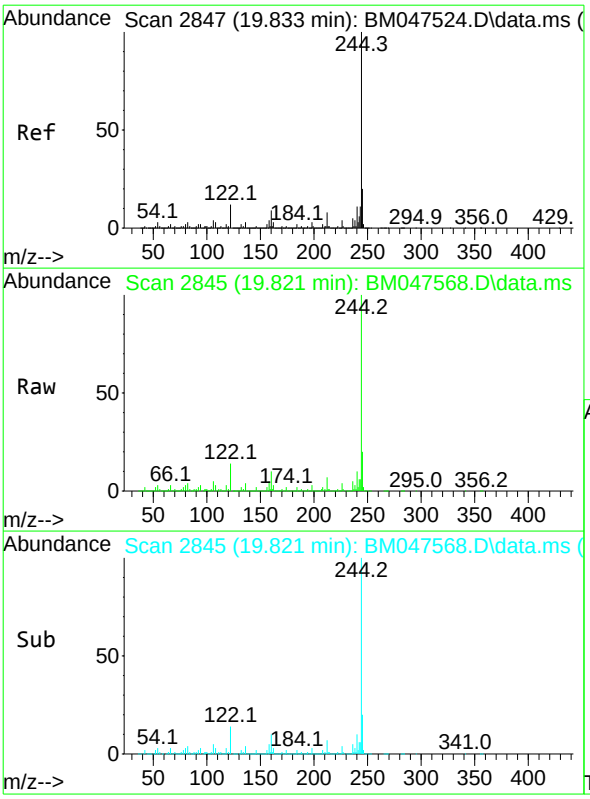




#78
Pyrene
Concen: 48.761 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:202 Resp: 3005093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.2 | 25.8 |
| 203 | 17.4 | 14.0 | 21.0 |

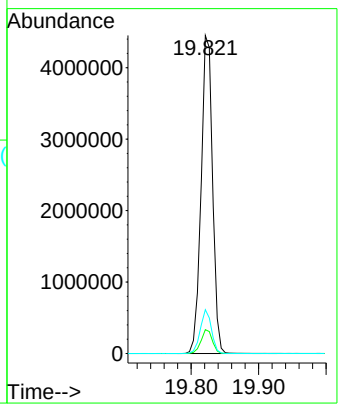





#79
Terphenyl-d14
Concen: 111.348 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:244 Resp: 5250065

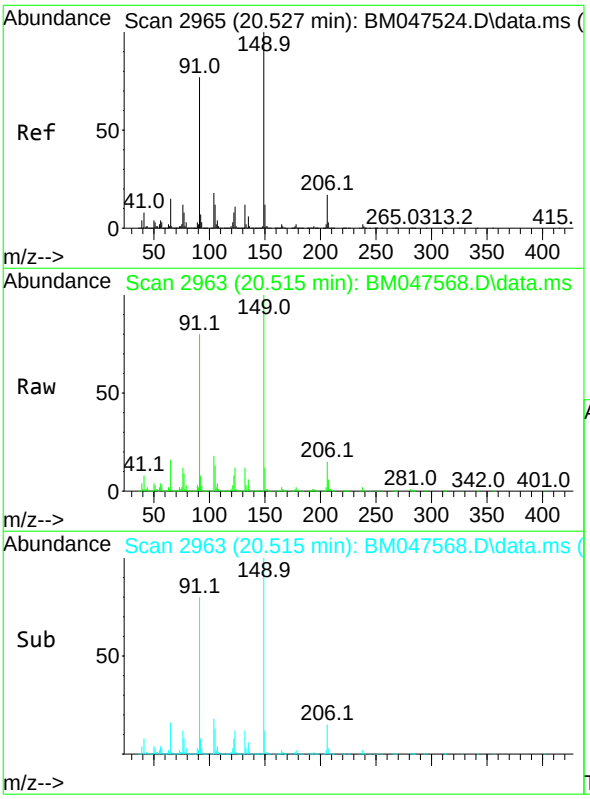
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.2 | 9.2 |
| 122 | 13.8 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

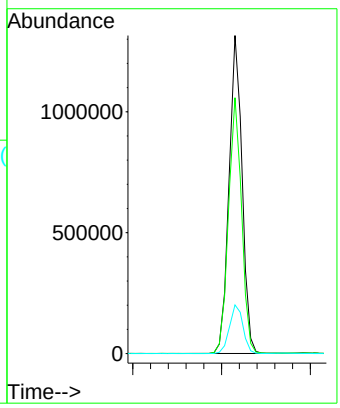
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

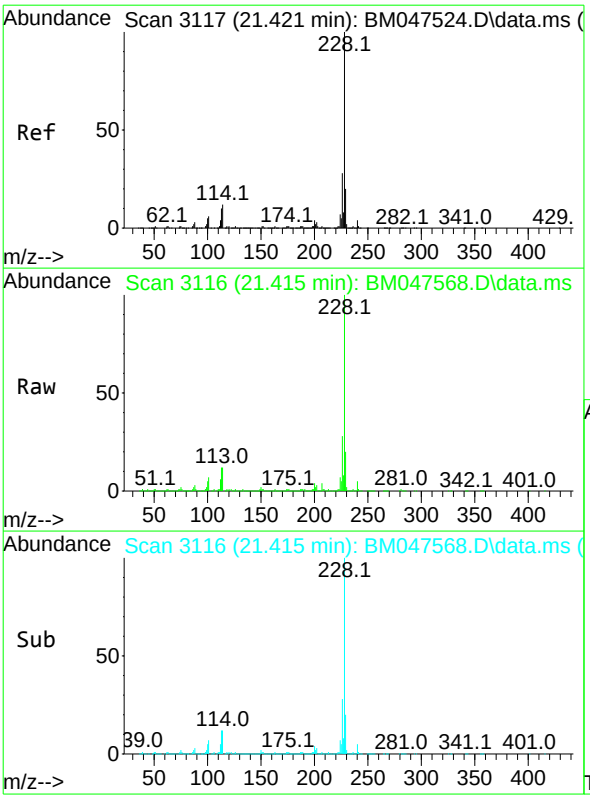



#80
Butylbenzylphthalate
Concen: 56.558 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 1341786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 80.5 | 62.0 | 93.0 |
| 206 | 15.3 | 13.8 | 20.8 |






#81
Benzo(a)anthracene
Concen: 48.613 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

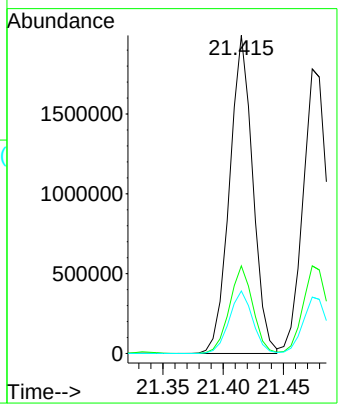
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

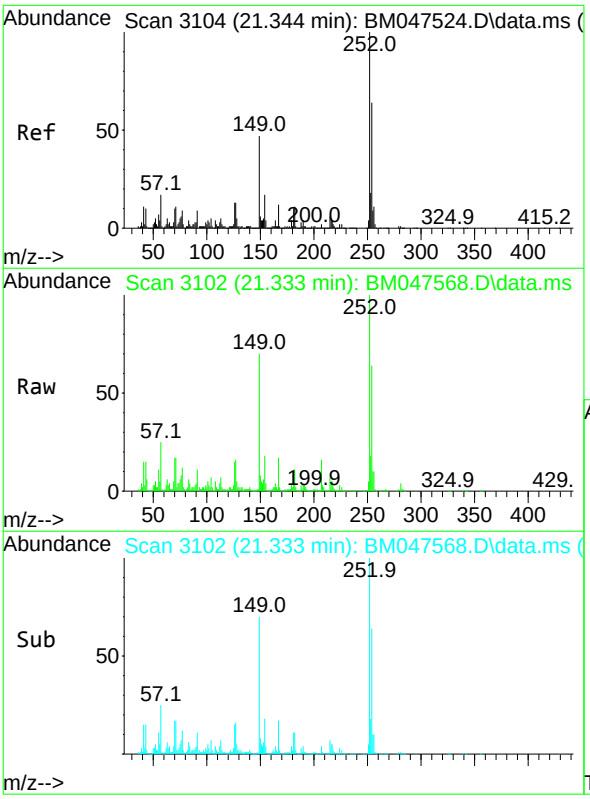
Tgt Ion:228 Resp: 2677135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 22.4 | 33.6 |
| 229 | 19.7 | 16.0 | 24.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

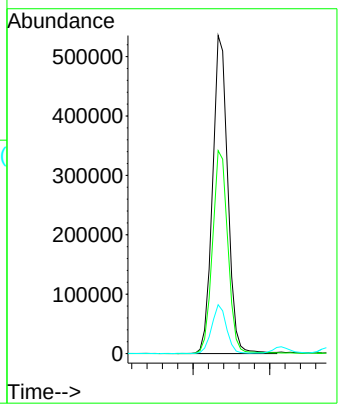


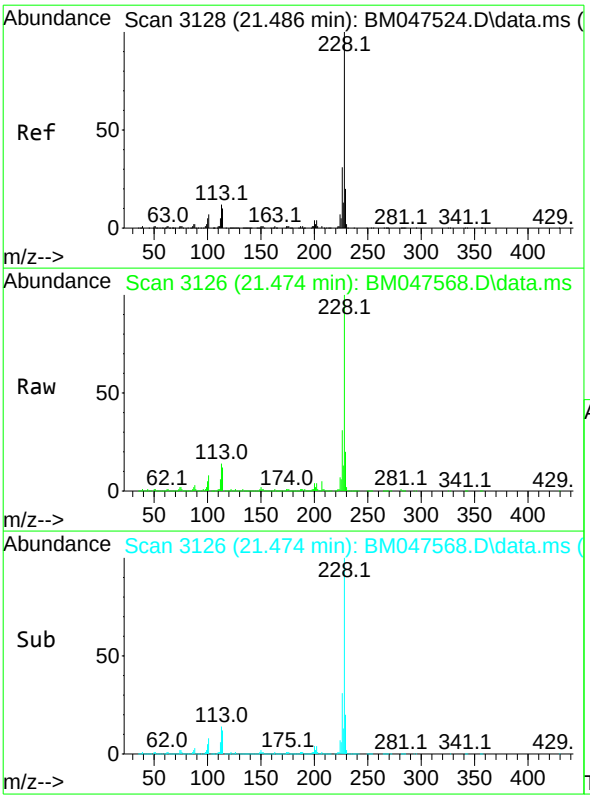




#82
3,3'-Dichlorobenzidine
Concen: 50.365 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 737815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 51.5 | 77.3 |
| 126 | 15.4 | 10.3 | 15.5 |






#83
Chrysene
Concen: 48.432 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

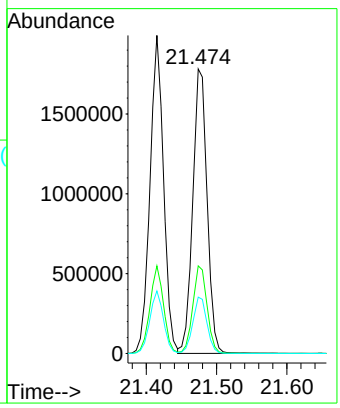
Tgt Ion:228 Resp: 2522781

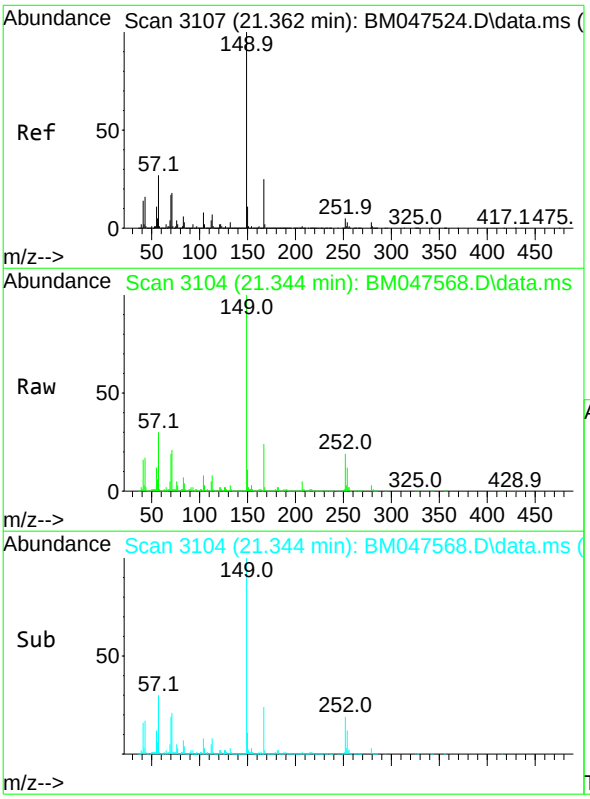
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.0 | 37.6 |
| 229 | 19.8 | 15.9 | 23.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

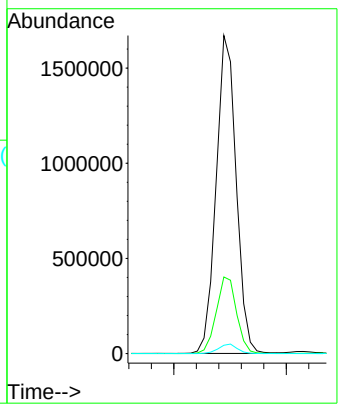


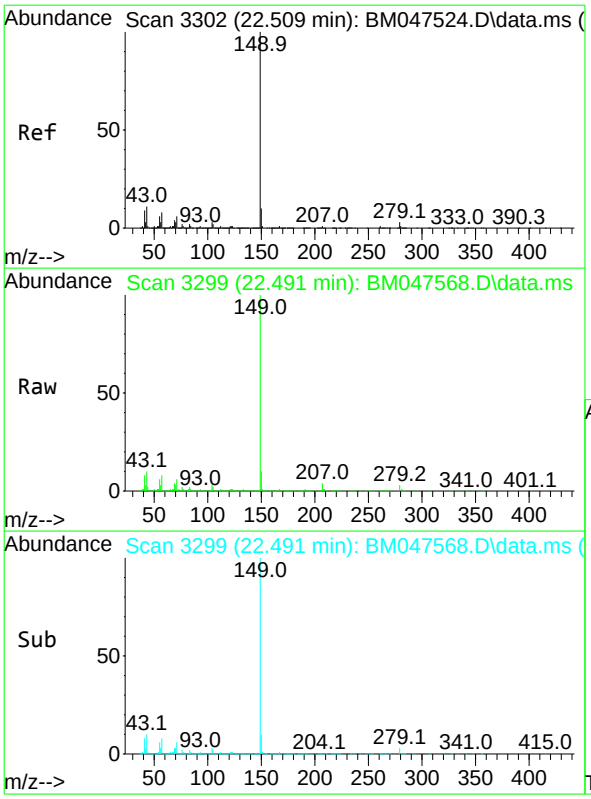




#84
Bis(2-ethylhexyl)phthalate
Concen: 55.572 ng
RT: 21.344 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 2065319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.1 | 20.2 | 30.4 |
| 279 | 2.6 | 2.6 | 4.0# |

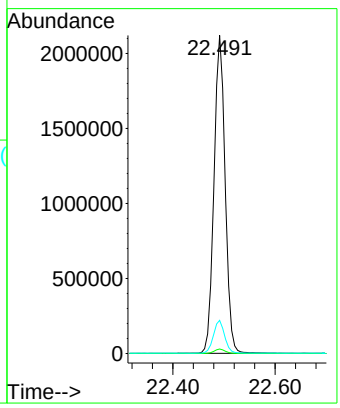





#85
Di-n-octyl phthalate
Concen: 61.068 ng
RT: 22.491 min Scan# 32
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:149 Resp: 3210329

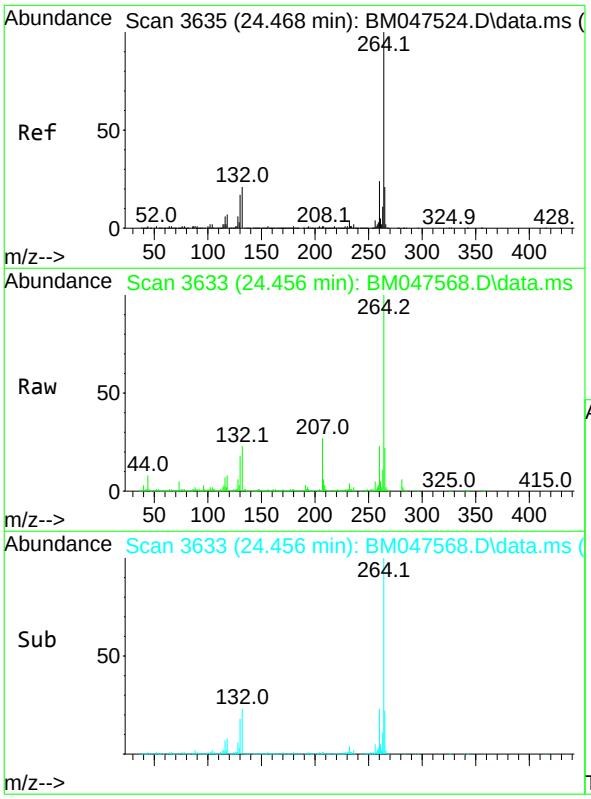
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.3 | 1.1 | 1.7 |
| 43 | 10.4 | 8.9 | 13.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

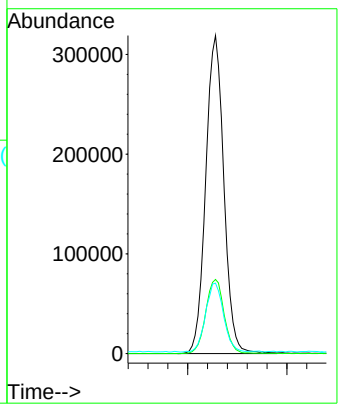
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

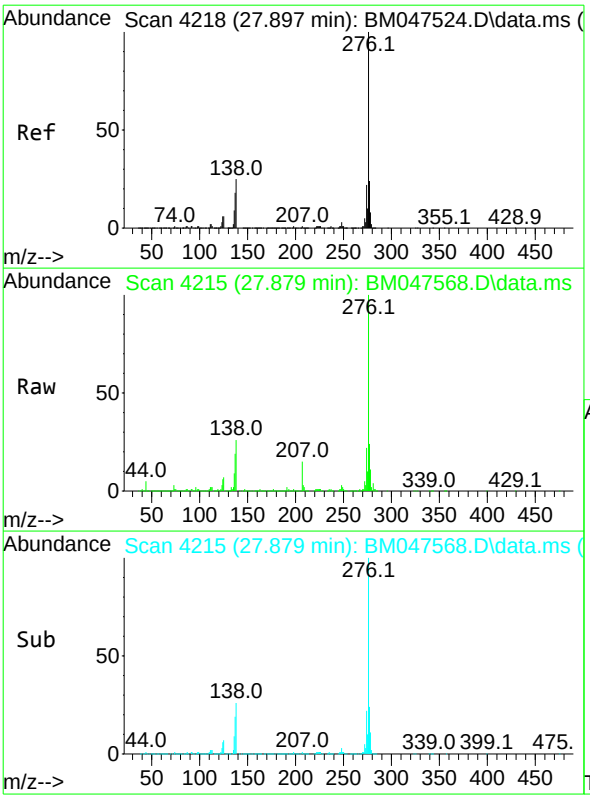



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:264 Resp: 808669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.9 | 28.3 |
| 265 | 22.1 | 17.4 | 26.2 |






#87
Indeno(1,2,3-cd)pyrene
Concen: 63.665 ng
RT: 27.879 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

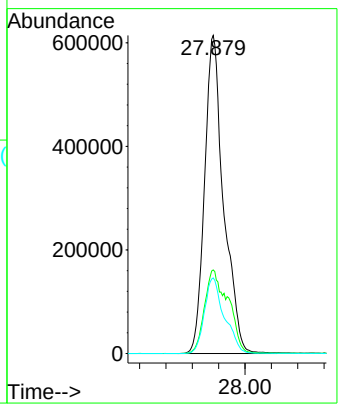
Tgt Ion:276 Resp: 3081058

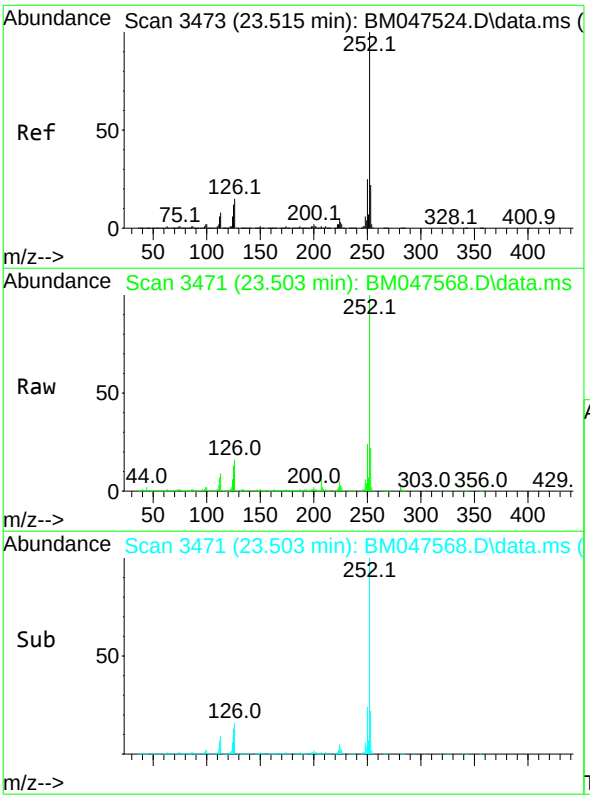
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.6 | 25.0 | 37.6 |
| 277 | 24.9 | 20.1 | 30.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

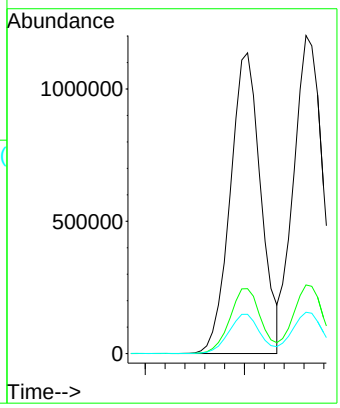


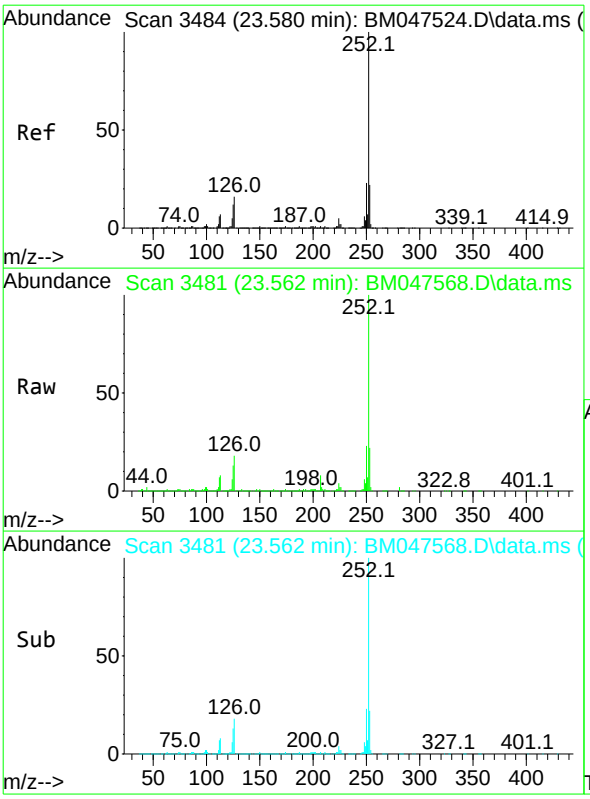




#88
Benzo(b)fluoranthene
Concen: 46.560 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 2436128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.8 |
| 125 | 13.1 | 9.5 | 14.3 |






#89
Benzo(k)fluoranthene
Concen: 47.799 ng
RT: 23.562 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

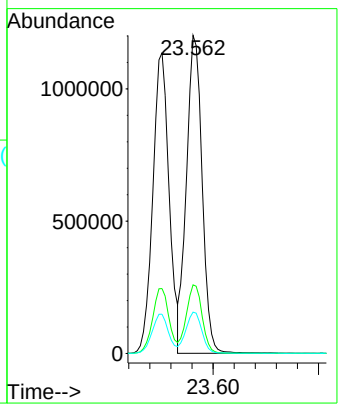
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

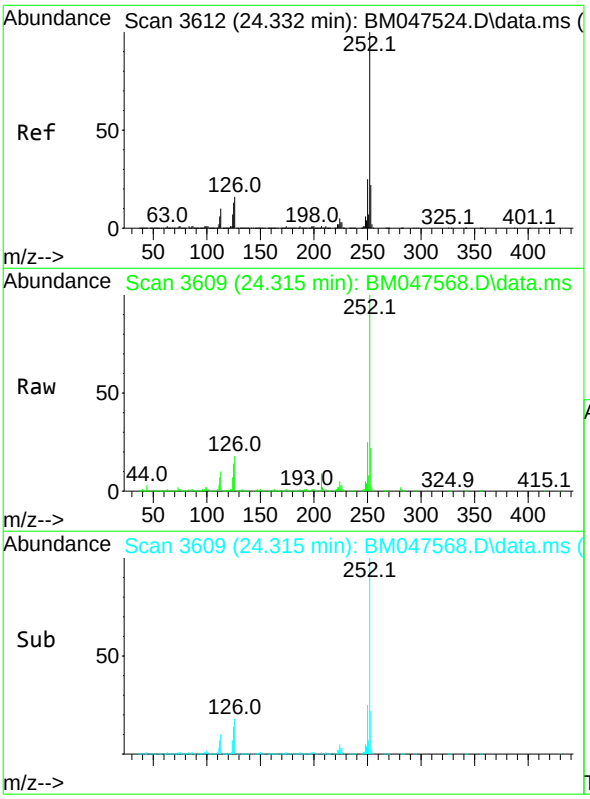
Tgt Ion:252 Resp: 2478620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 13.0 | 9.5 | 14.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

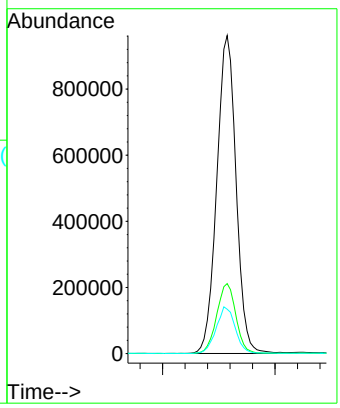


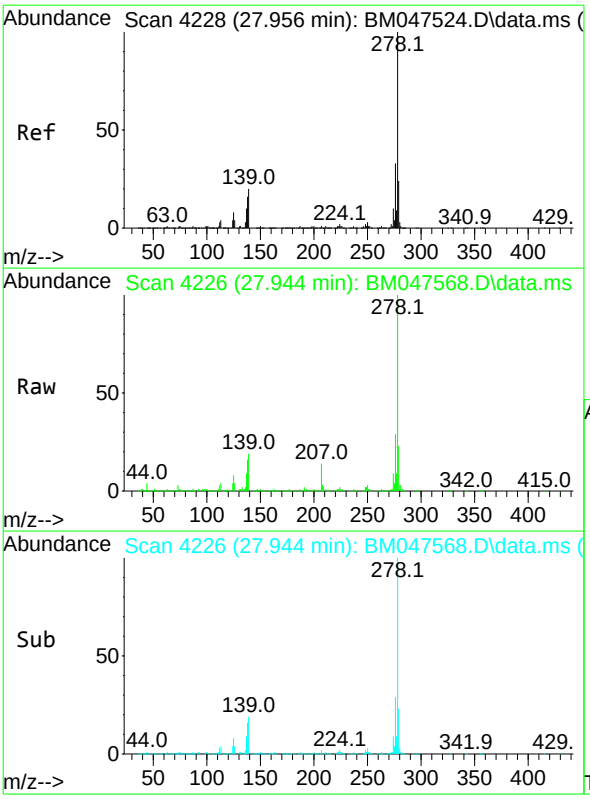




#90
Benzo(a)pyrene
Concen: 53.387 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.018 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:252 Resp: 2289428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 14.0 | 10.2 | 15.4 |






#91
Dibenzo(a,h)anthracene
Concen: 62.334 ng
RT: 27.944 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

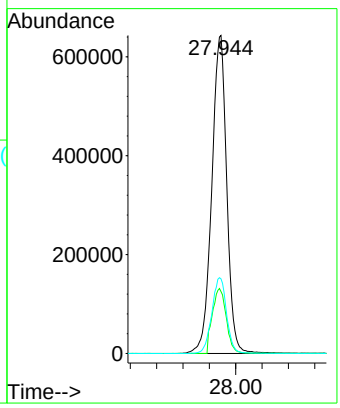
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BS

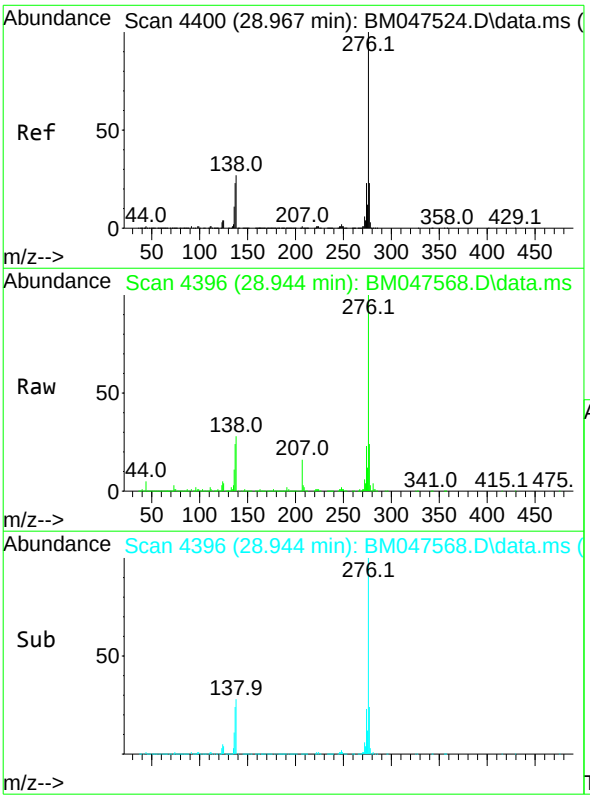
Tgt Ion:278 Resp: 2538011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.5 | 15.9 | 23.9 |
| 279 | 23.5 | 19.3 | 28.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

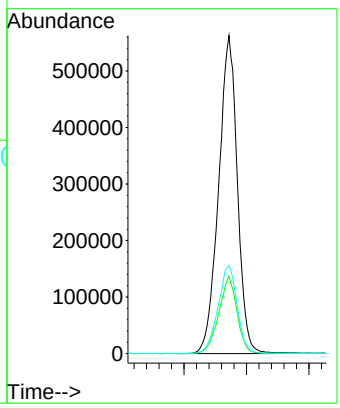



#92
Benzo(g,h,i)perylene
Concen: 58.978 ng
RT: 28.944 min Scan# 4396
Delta R.T. -0.023 min
Lab File: BM047568.D
Acq: 19 Sep 2024 13:15

Tgt Ion:276 Resp: 2345773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 18.6 | 28.0 |
| 138 | 27.6 | 21.5 | 32.3 |



Raw Data: **BM047569.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Chemtech Consulting Group | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB163318BSD | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BSD | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047569.D | 1 | 09/12/24 08:40 | 09/19/24 13:54 | PB163318 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 108-95-2 | Phenol | 45.6 | | 0.93 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 45.1 | | 0.71 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 44.4 | | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 42.9 | | 1.20 | 10.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 50.6 | | 2.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 57.5 | | 1.50 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 46.9 | | 0.88 | 5.00 | ug/L |
| 65-85-0 | Benzoic acid | 42.0 | | 5.50 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 44.8 | | 0.84 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 50.4 | | 0.89 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 47.6 | | 1.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 82.2 | E | 6.40 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 110 | E | 2.00 | 10.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 44.9 | | 3.10 | 10.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 110 | E | 1.90 | 10.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 46.4 | | 0.79 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 153 | | 10 - 139 | 102% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 139 | | 10 - 134 | 92% | SPK: 150 |
| 118-79-6 | 2,4,6-Tribromophenol | 142 | | 44 - 137 | 95% | SPK: 150 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 313000 | 7.845 | | | |
| 1146-65-2 | Naphthalene-d8 | 1210000 | 10.639 | | | |
| 15067-26-2 | Acenaphthene-d10 | 613000 | 14.474 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1050000 | 17.21 | | | |
| 1719-03-5 | Chrysene-d12 | 836000 | 21.433 | | | |
| 1520-96-3 | Perylene-d12 | 807000 | 24.456 | | | |

Raw Data: **BM047569.D**

Alliance TECHNICAL GROUP

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Chemtech Consulting Group | | | Date Collected: | |
| Project: | NJ Waste Water PT | | | Date Received: | |
| Client Sample ID: | PB163318BSD | | | SDG No.: | P3845 |
| Lab Sample ID: | PB163318BSD | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: mL | | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | uL | | Test: | SVOCMS Group2 |
| 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 |
|---|---|---|---|---|
| BM047569.D | 1 | 09/12/24 08:40 | 09/19/24 13:54 | PB163318 |

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

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

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

Sample Results: **BM047569.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.845 | 152 | 312652 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.639 | 136 | 1211917 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 613404 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1048553 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 835988 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.456 | 264 | 806711 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 3001380 | 152.849 | ng | | 0.00 |
| 7) Phenol-d6 | 7.004 | 99 | 3830819 | 138.530 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.992 | 82 | 2335679 | 96.452 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 842227 | 142.050 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 4315694 | 96.918 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.821 | 244 | 5281167 | 113.202 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 327657 | 38.958 | ng | | 99 |
| 3) Pyridine | 3.710 | 79 | 903337 | 36.083 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.616 | 42 | 463407 | 40.797 | ng | | 94 |
| 6) Aniline | 7.163 | 93 | 1114446 | 45.457 | ng | | 100 |
| 8) 2-Chlorophenol | 7.404 | 128 | 977204 | 45.143 | ng | | 98 |
| 9) Benzaldehyde | 6.975 | 77 | 231232 | 17.585 | ng | | 99 |
| 10) Phenol | 7.034 | 94 | 1262093 | 45.581 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.263 | 93 | 971343 | 43.696 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.734 | 146 | 1012115 | 42.717 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.875 | 146 | 1016987 | 42.141 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.193 | 146 | 971941 | 40.924 | ng | | 98 |
| 15) Benzyl Alcohol | 8.075 | 79 | 850986 | 45.431 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.363 | 45 | 1329121 | 42.505 | ng | | 98 |
| 17) 2-Methylphenol | 8.281 | 107 | 785893 | 44.429 | ng | | 97 |
| 18) Hexachloroethane | 8.928 | 117 | 420465 | 43.614 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.645 | 70 | 764052 | 40.979 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.604 | 107 | 1057865 | 42.861 | ng | | 99 |
| 22) Acetophenone | 8.663 | 105 | 1422087 | 44.633 | ng | # | 98 |
| 24) Nitrobenzene | 9.040 | 77 | 1108309 | 44.540 | ng | | 100 |
| 25) Isophorone | 9.569 | 82 | 1913866 | 44.955 | ng | | 100 |
| 26) 2-Nitrophenol | 9.745 | 139 | 429354 | 50.635 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.810 | 122 | 739664 | 57.544 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.045 | 93 | 1197364 | 44.775 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.281 | 162 | 765581 | 46.880 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.498 | 180 | 770321 | 41.180 | ng | | 98 |
| 31) Naphthalene | 10.686 | 128 | 2837269 | 43.348 | ng | | 100 |
| 32) Benzoic acid | 9.928 | 122 | 519346 | 41.966 | ng | | 98 |
| 33) 4-Chloroaniline | 10.786 | 127 | 680573 | 28.759 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.981 | 225 | 427487 | 41.259 | ng | | 99 |
| 35) Caprolactam | 11.563 | 113 | 235553m | 43.792 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.910 | 107 | 837721 | 44.762 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.298 | 142 | 1842679 | 42.299 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.516 | 142 | 1711593 | 39.536 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 791753 | 47.701 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.657 | 237 | 943035 | 173.794 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.904 | 196 | 524521 | 50.441 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.975 | 196 | 558681 | 47.566 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.310 | 154 | 2211954 | 46.347 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.351 | 162 | 1676373 | 45.236 | ng | | 99 |
| 48) 2-Nitroaniline | 13.545 | 65 | 541845 | 49.780 | ng | | 99 |
| 49) Acenaphthylene | 14.192 | 152 | 2666450 | 49.861 | ng | | 99 |
| 50) Dimethylphthalate | 13.927 | 163 | 1918542 | 45.889 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.039 | 165 | 393353 | 44.568 | ng | | 93 |
| 52) Acenaphthene | 14.539 | 154 | 1907981m | 50.920 | ng | | |
| 53) 3-Nitroaniline | 14.369 | 138 | 361244 | 36.824 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.569 | 184 | 413034 | 82.181 | ng | | 99 |
| 55) Dibenzofuran | 14.869 | 168 | 2370535 | 45.021 | ng | | 98 |
| 56) 4-Nitrophenol | 14.674 | 139 | 855857 | 106.021 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.822 | 165 | 541137 | 45.972 | ng | | 97 |
| 58) Fluorene | 15.516 | 166 | 2088643 | 44.059 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232 | 424887 | 46.398 | ng | | 95 |
| 60) Diethylphthalate | 15.292 | 149 | 2032402 | 45.676 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 907298 | 41.858 | ng | | 99 |
| 62) 4-Nitroaniline | 15.521 | 138 | 501117 | 43.457 | ng | | 97 |
| 63) Azobenzene | 15.804 | 77 | 2330821 | 47.573 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198 | 236745 | 44.877 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.721 | 169 | 1565272 | 48.797 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248 | 456056 | 44.762 | ng | | 98 |
| 68) Hexachlorobenzene | 16.521 | 284 | 520321 | 45.080 | ng | | 99 |
| 69) Atrazine | 16.668 | 200 | 461837 | 52.091 | ng | | 99 |
| 70) Pentachlorophenol | 16.857 | 266 | 708658 | 105.917 | ng | | 99 |
| 71) Phenanthrene | 17.251 | 178 | 2723635 | 47.134 | ng | | 100 |
| 72) Anthracene | 17.339 | 178 | 2748272 | 49.502 | ng | | 99 |
| 73) Carbazole | 17.604 | 167 | 2574886 | 46.799 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.180 | 149 | 3281482 | 49.847 | ng | | 99 |
| 75) Fluoranthene | 19.256 | 202 | 2772764 | 43.979 | ng | | 97 |
| 77) Benzidine | 19.439 | 184 | 1041881 | 88.491 | ng | | 99 |
| 78) Pyrene | 19.621 | 202 | 2942597 | 48.256 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.515 | 149 | 1320356 | 56.247 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.415 | 228 | 2675714 | 49.105 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.333 | 252 | 744323 | 51.351 | ng | # | 97 |
| 83) Chrysene | 21.474 | 228 | 2502737 | 48.559 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.345 | 149 | 2039617 | 55.465 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.492 | 149 | 3174143 | 61.023 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.885 | 276 | 3072358 | 63.640 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.503 | 252 | 2406481 | 46.105 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.568 | 252 | 2482785 | 47.996 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.315 | 252 | 2282601 | 53.357 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 27.938 | 278 | 2557213 | 62.958 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.950 | 276 | 2340478 | 58.988 | ng | | 99 |

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

Sample Results: **BM047569.D**

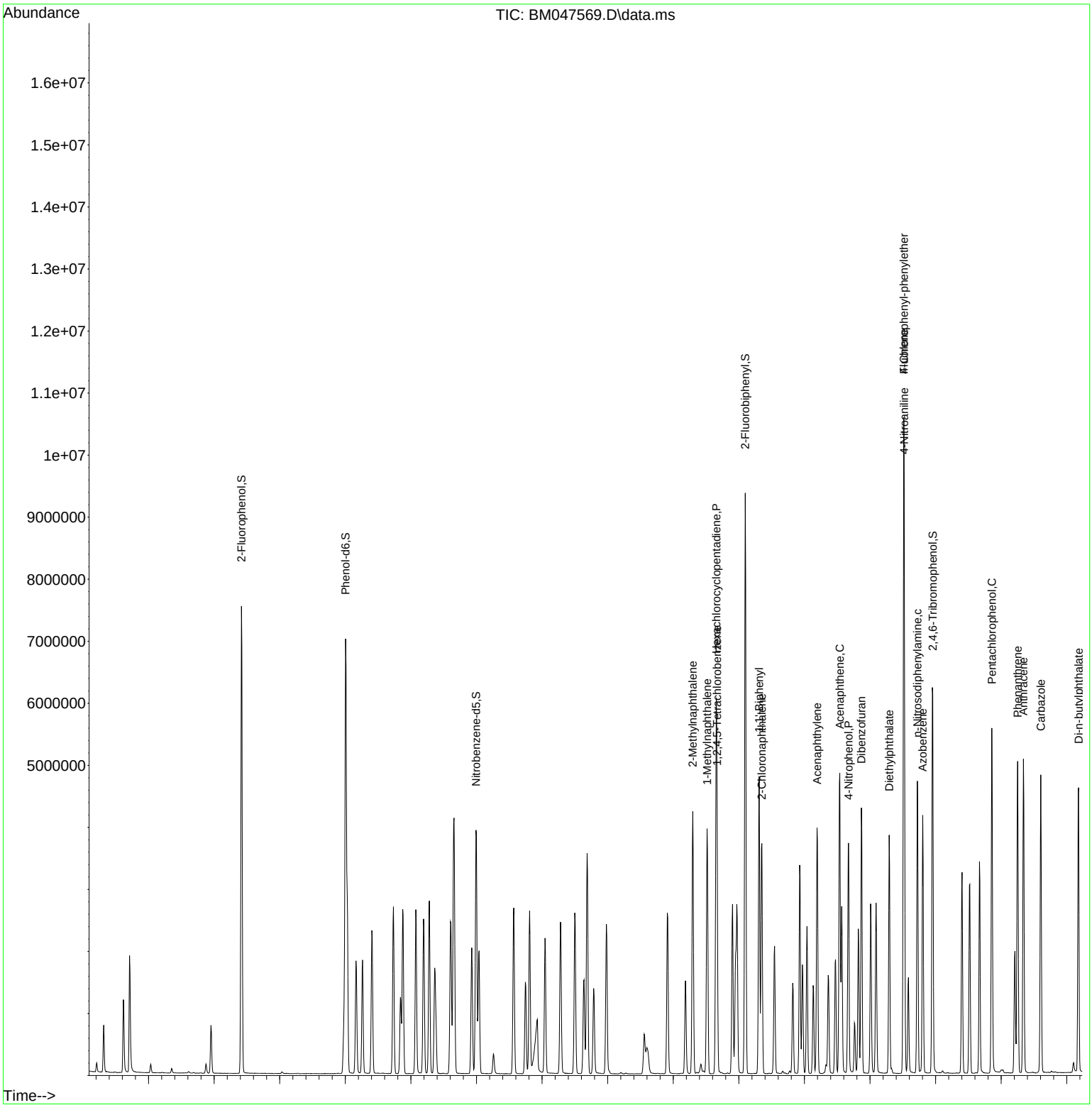
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



Sample Results: **BM047569.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091924\
Data File : BM047569.D
Acq On : 19 Sep 2024 13:54
Operator : RC/JU
Sample : PB163318BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 14:40:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 08:56:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations APPROVED**

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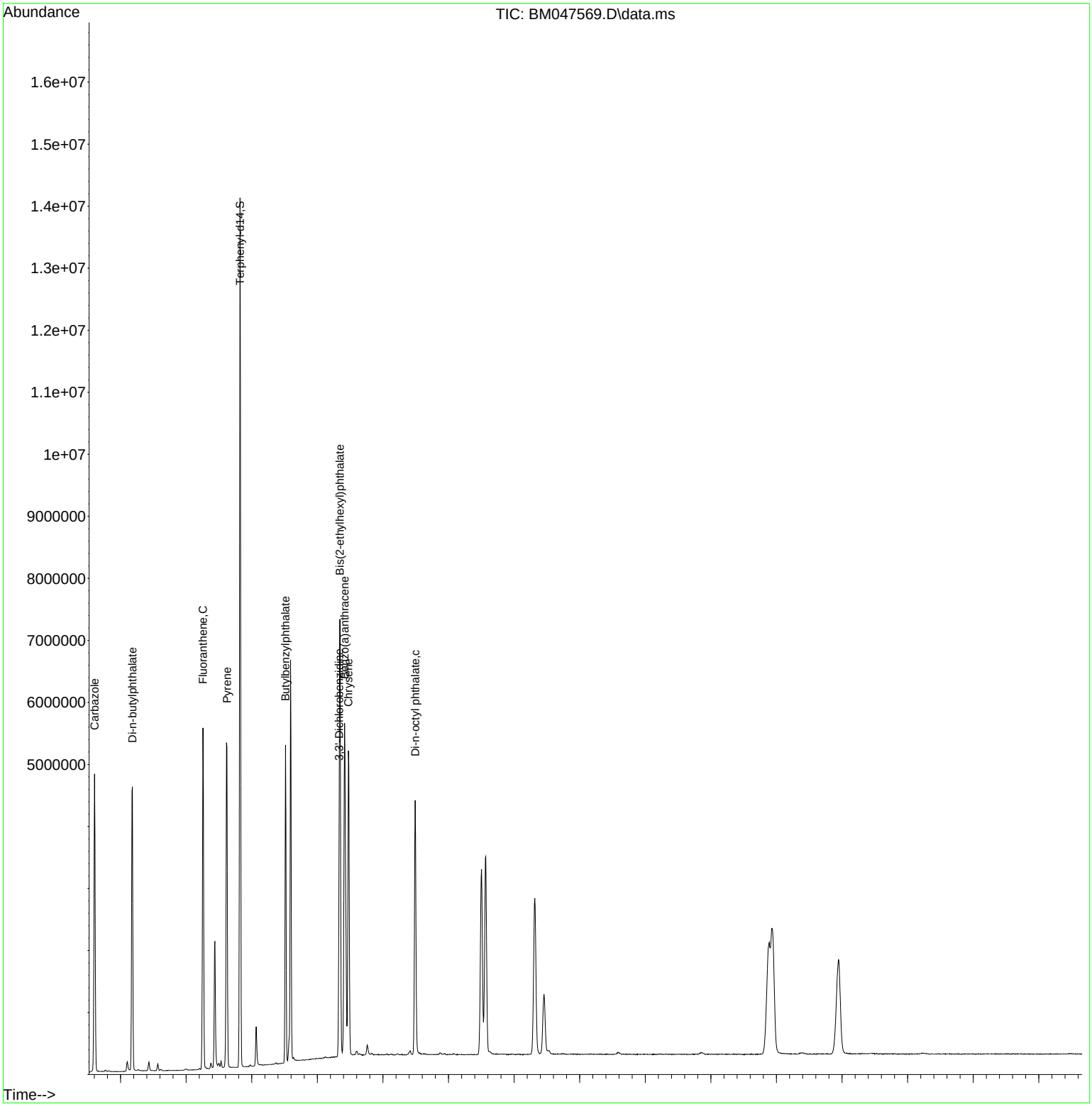
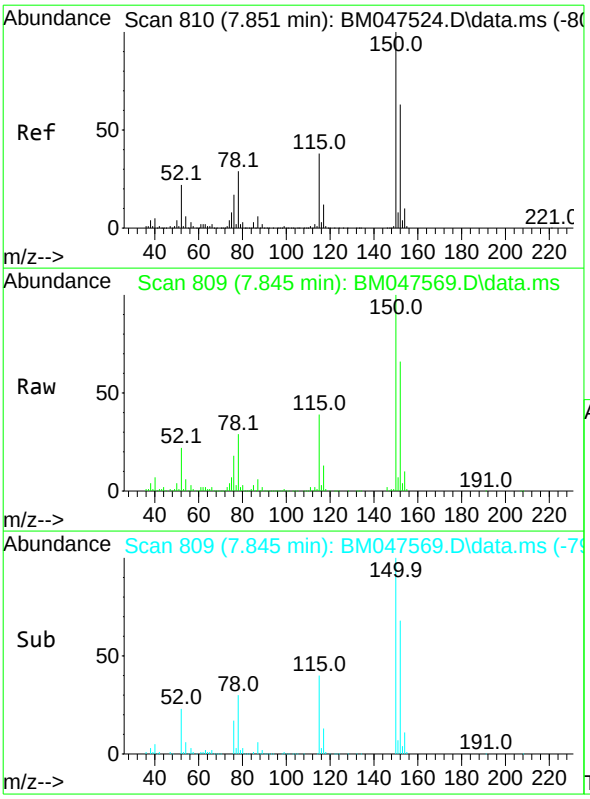
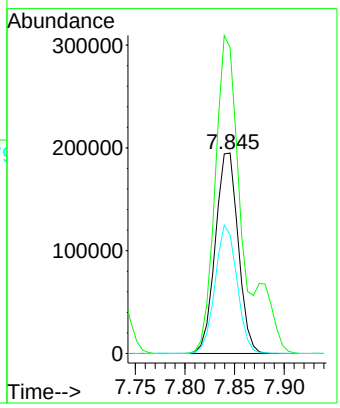





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:152 Resp: 312652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.6 | 126.8 | 190.2 |
| 115 | 59.2 | 47.8 | 71.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

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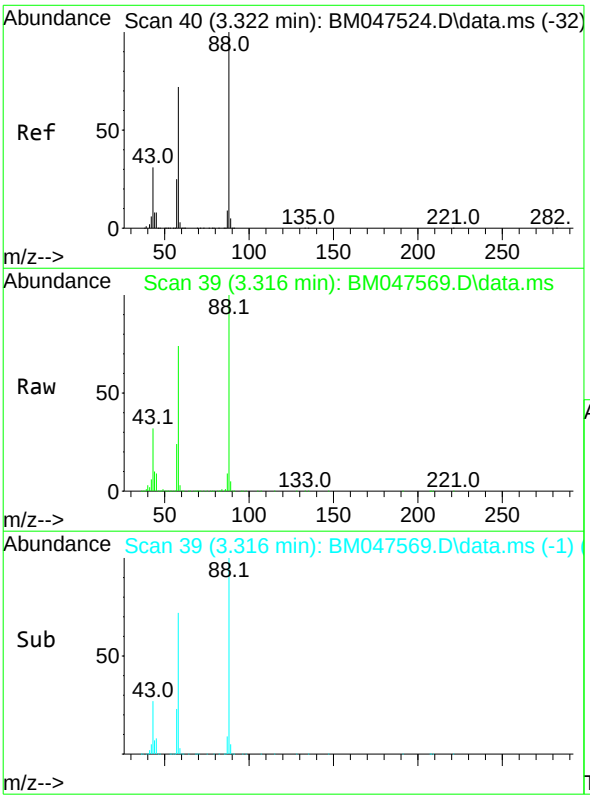
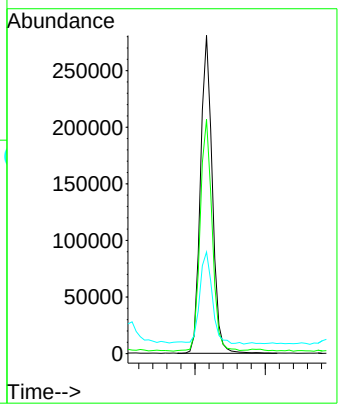
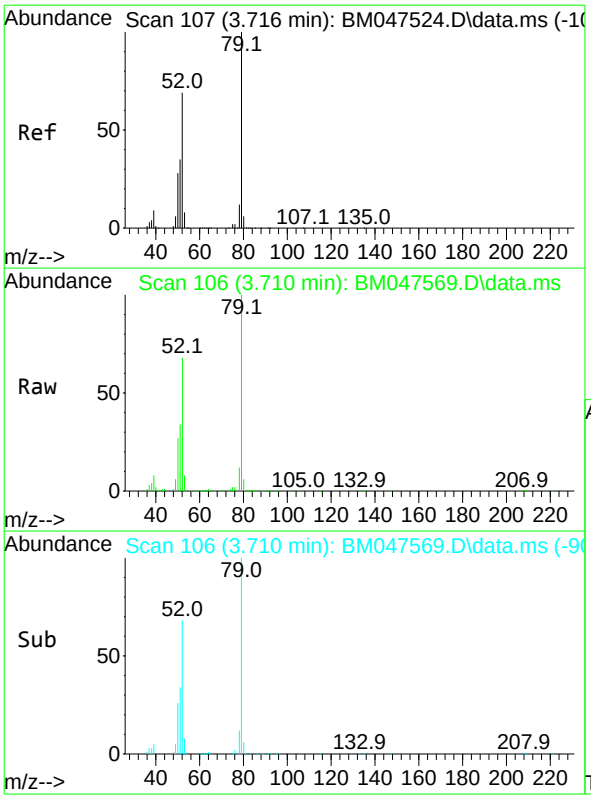



#2
1,4-Dioxane
Concen: 38.958 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 88 Resp: 327657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.0 | 59.0 | 88.6 |
| 43 | 29.6 | 25.0 | 37.4 |






#3
Pyridine
Concen: 36.083 ng
RT: 3.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion: 79 Resp: 903337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.6 | 55.4 | 83.0 |
| 51 | 33.9 | 27.9 | 41.9 |

**Manual Integrations**
**APPROVED**

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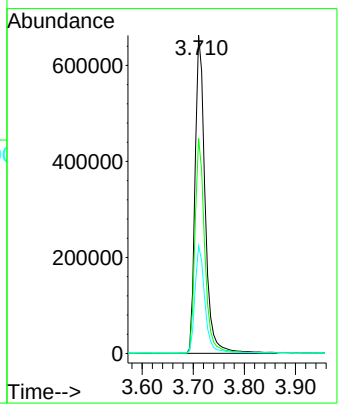
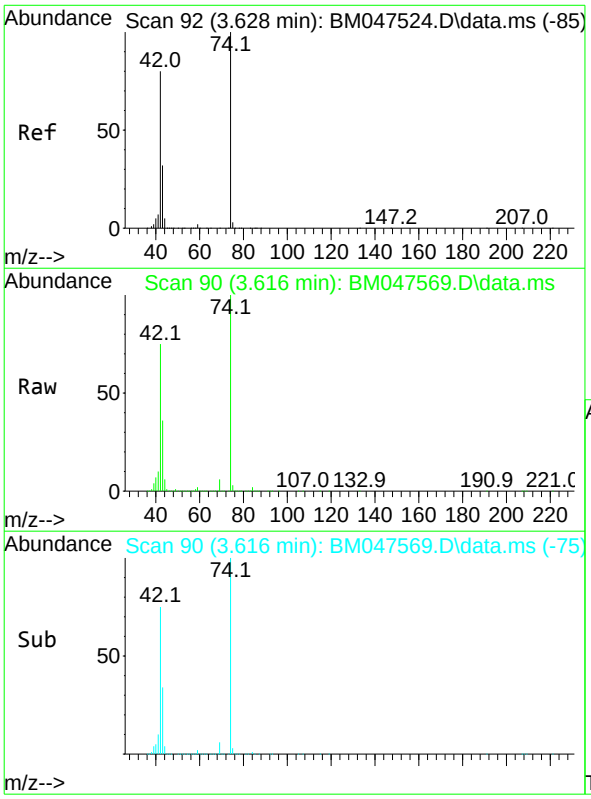
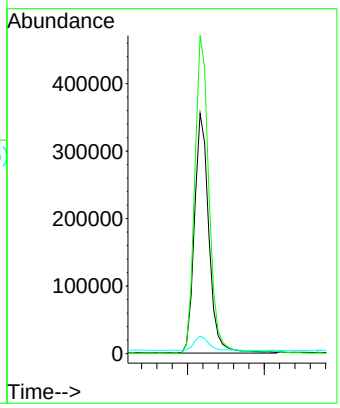


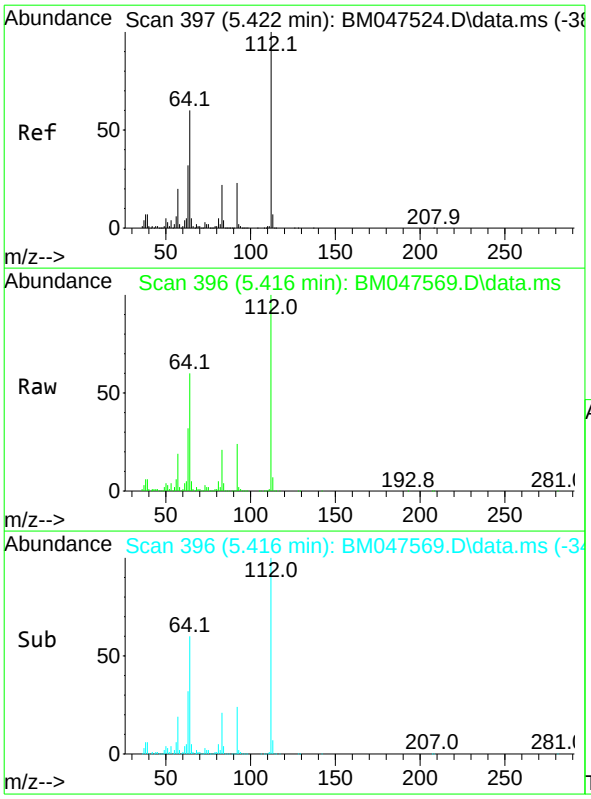




#4
n-Nitrosodimethylamine
Concen: 40.797 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 42 Resp: 463407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.5 | 100.5 | 150.7 |
| 44 | 7.3 | 6.9 | 10.3 |






#5
2-Fluorophenol
Concen: 152.849 ng
RT: 5.416 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:112 Resp: 3001380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 48.2 | 72.4 |
| 63 | 32.5 | 26.0 | 39.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

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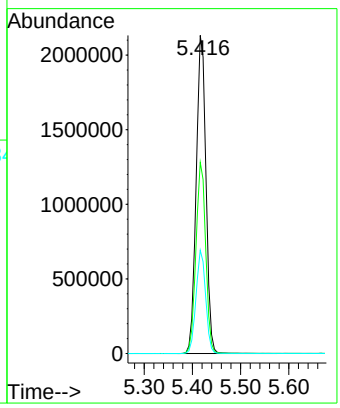
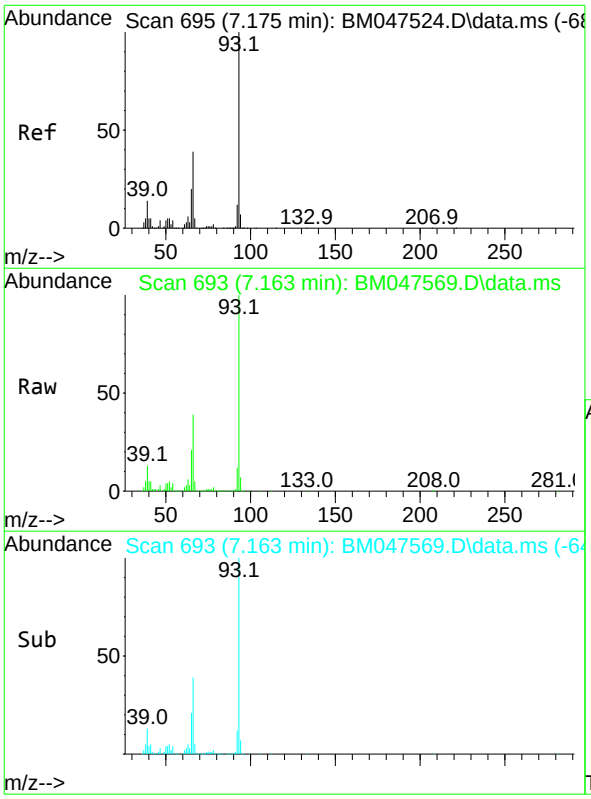
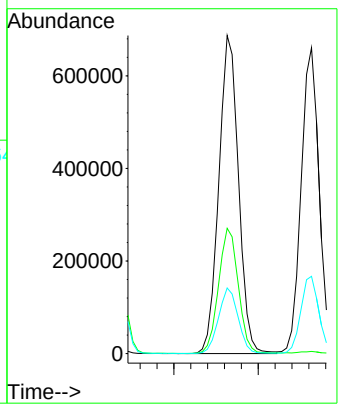


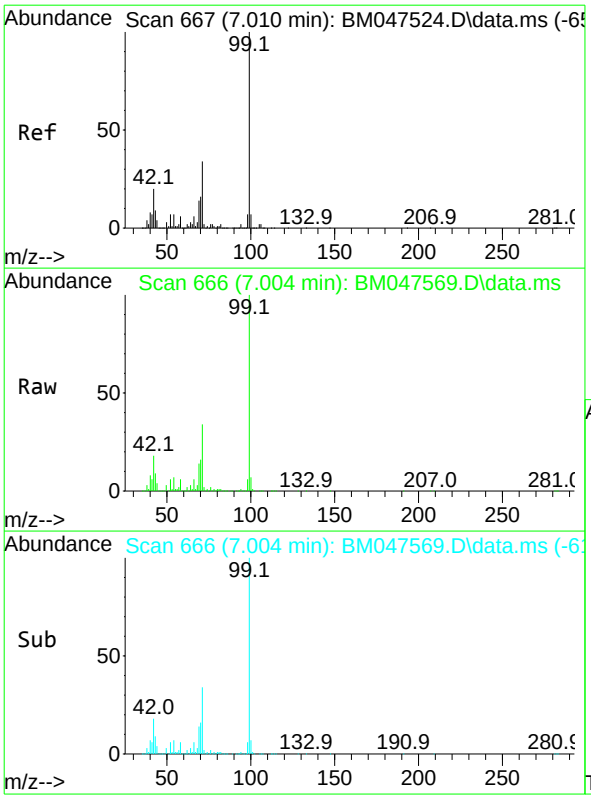




#6
Aniline
Concen: 45.457 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 1114446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 31.4 | 47.0 |
| 65 | 20.6 | 16.3 | 24.5 |

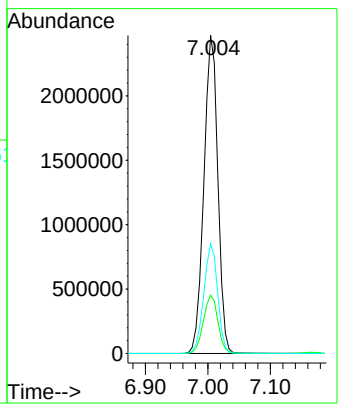





#7
Phenol-d6
Concen: 138.530 ng
RT: 7.004 min Scan# 66
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 99 Resp: 3830819

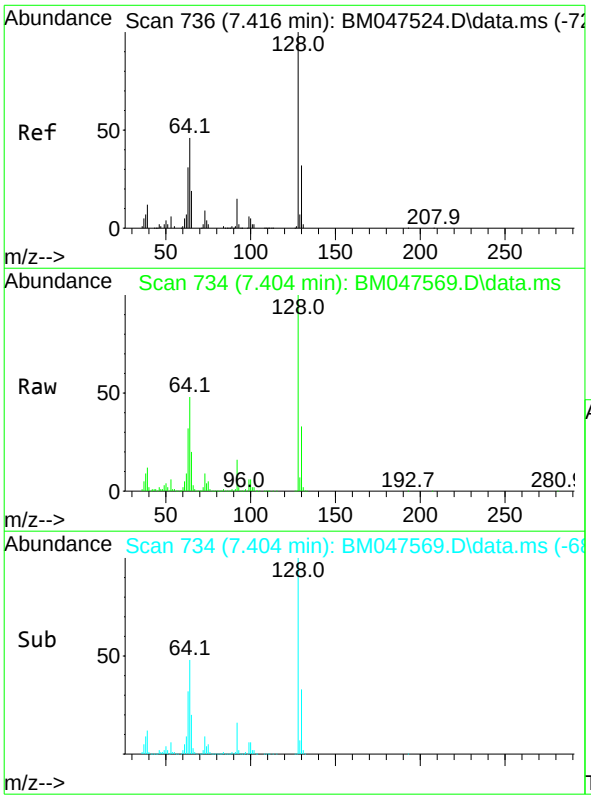
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.8 | 23.8 |
| 71 | 34.5 | 27.6 | 41.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

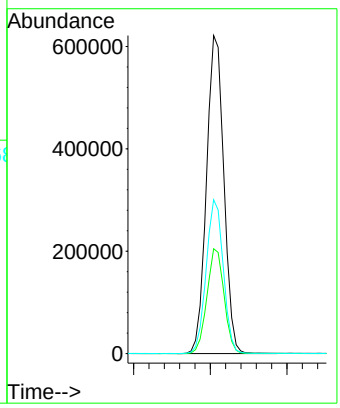
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

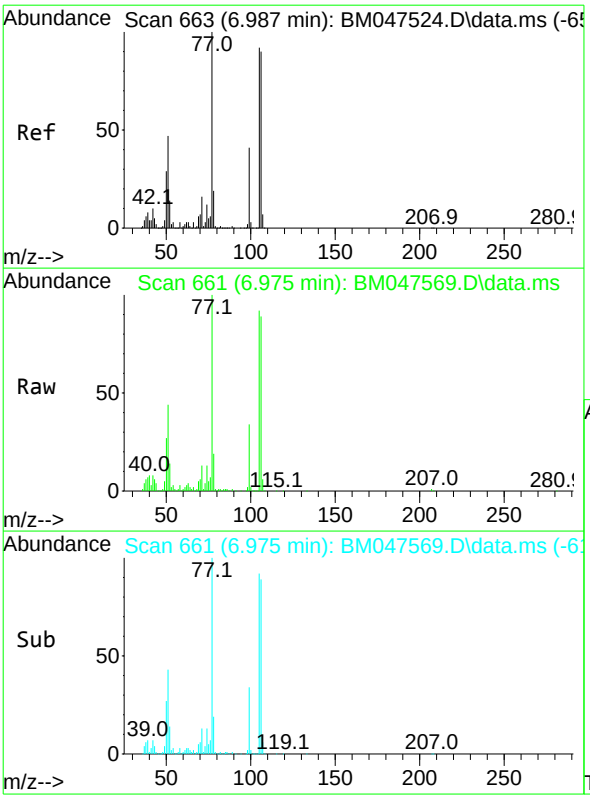



#8
2-Chlorophenol
Concen: 45.143 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:128 Resp: 977204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 11.8 | 51.8 |
| 64 | 48.4 | 27.6 | 67.6 |

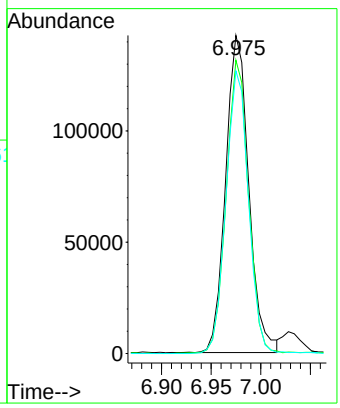





#9
Benzaldehyde
Concen: 17.585 ng
RT: 6.975 min Scan# 66
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 231232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 92.2 | 71.8 | 111.8 |
| 106 | 88.9 | 69.7 | 109.7 |




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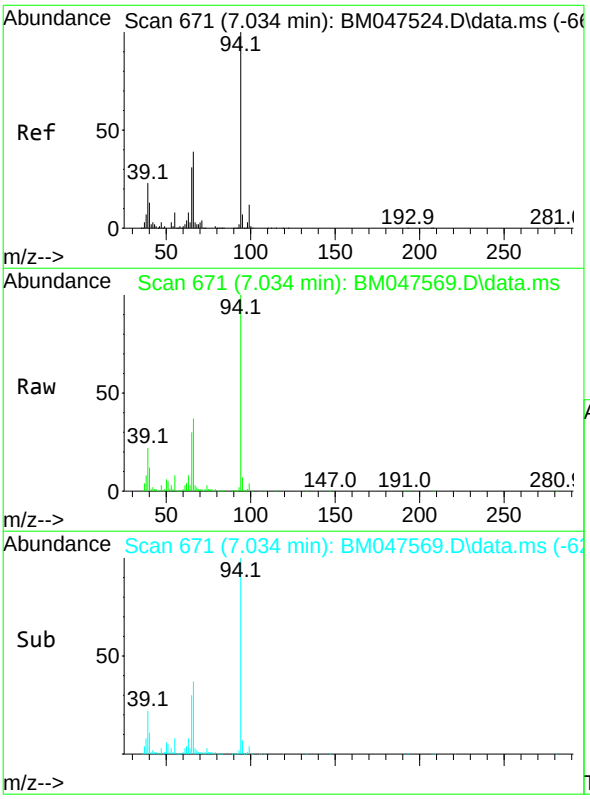
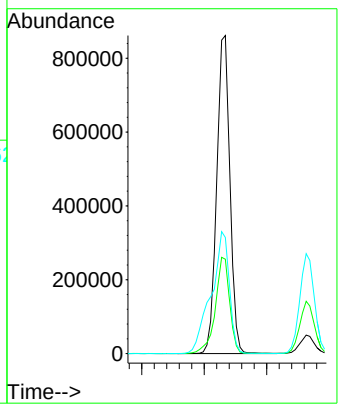
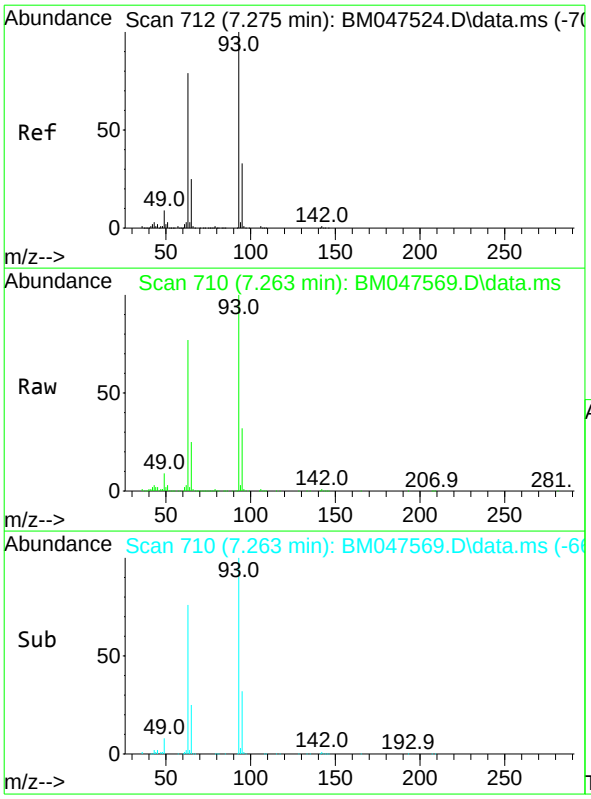



#10
Phenol
Concen: 45.581 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 94 Resp: 1262093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.7 | 10.8 | 50.8 |
| 66 | 36.5 | 19.2 | 59.2 |

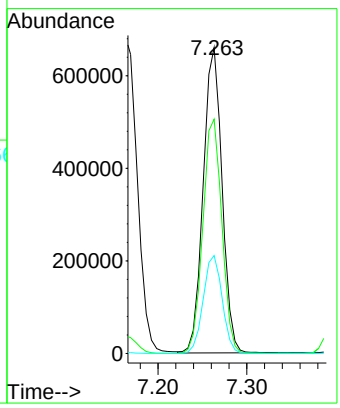





#11
bis(2-Chloroethyl)ether
Concen: 43.696 ng
RT: 7.263 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 971343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.6 | 58.2 | 98.2 |
| 95 | 32.0 | 12.8 | 52.8 |

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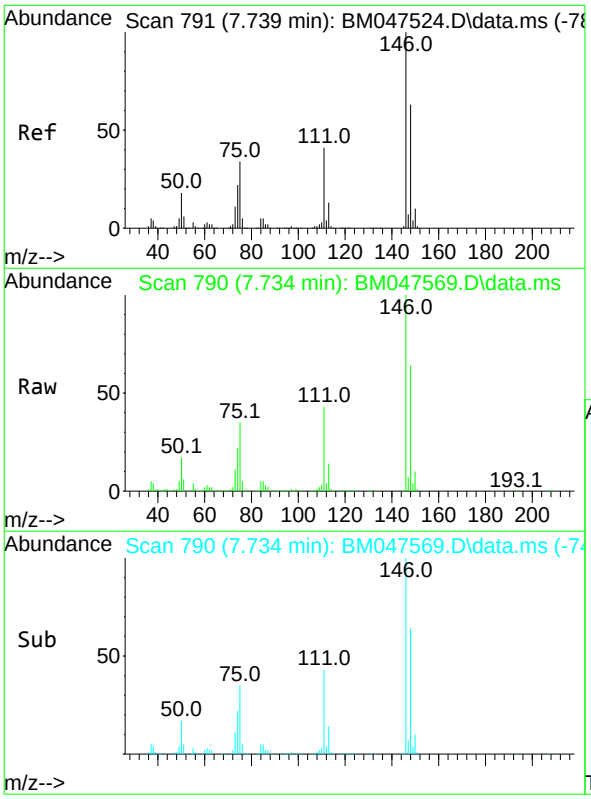
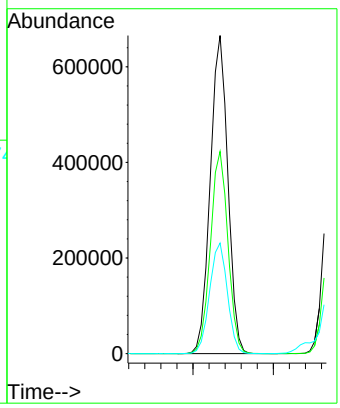
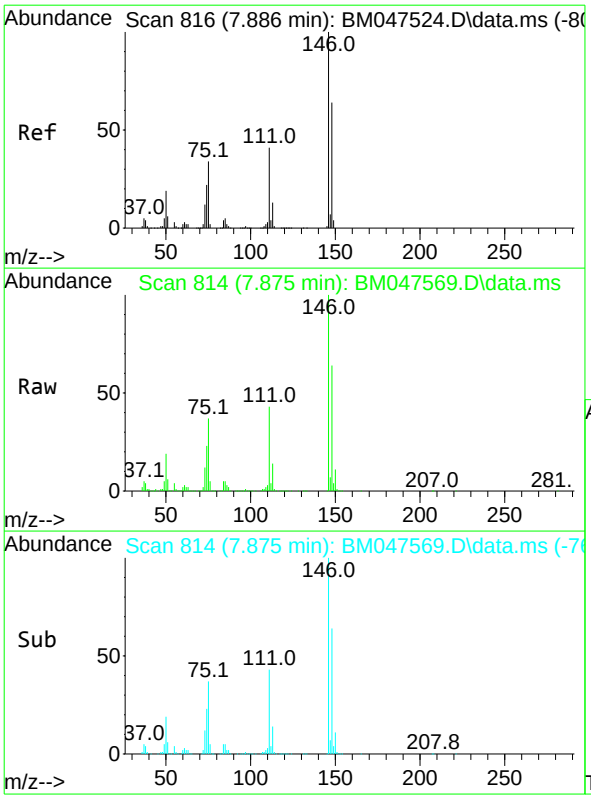



#12
1,3-Dichlorobenzene
Concen: 42.717 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 1012115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.2 | 75.4 |
| 75 | 34.8 | 27.4 | 41.0 |

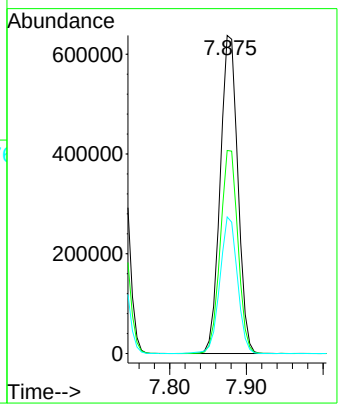





#13
1,4-Dichlorobenzene
Concen: 42.141 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 1016987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.3 | 76.9 |
| 111 | 42.9 | 32.9 | 49.3 |




**Instrument :**
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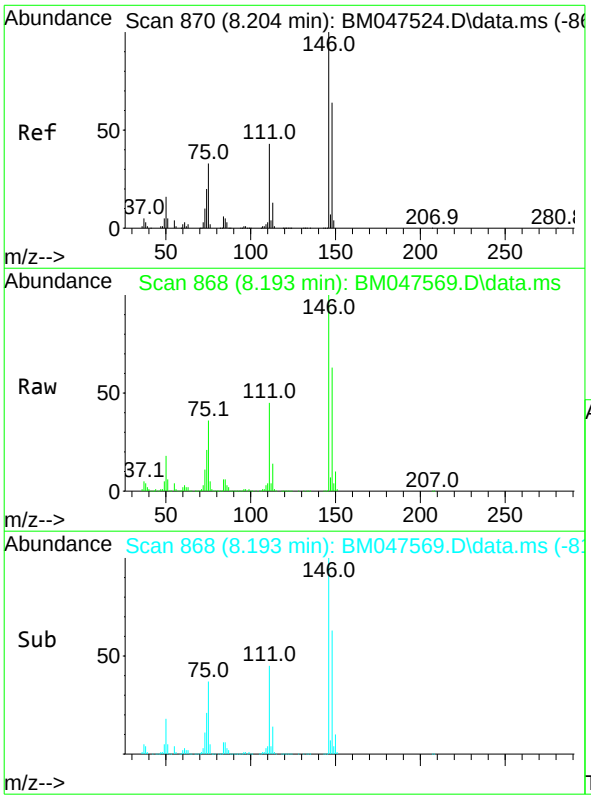
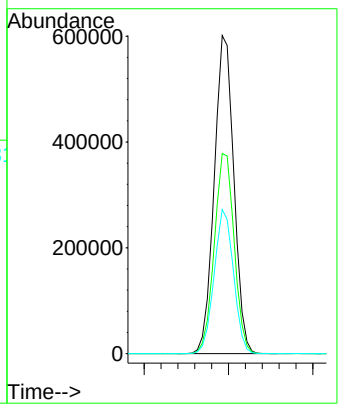
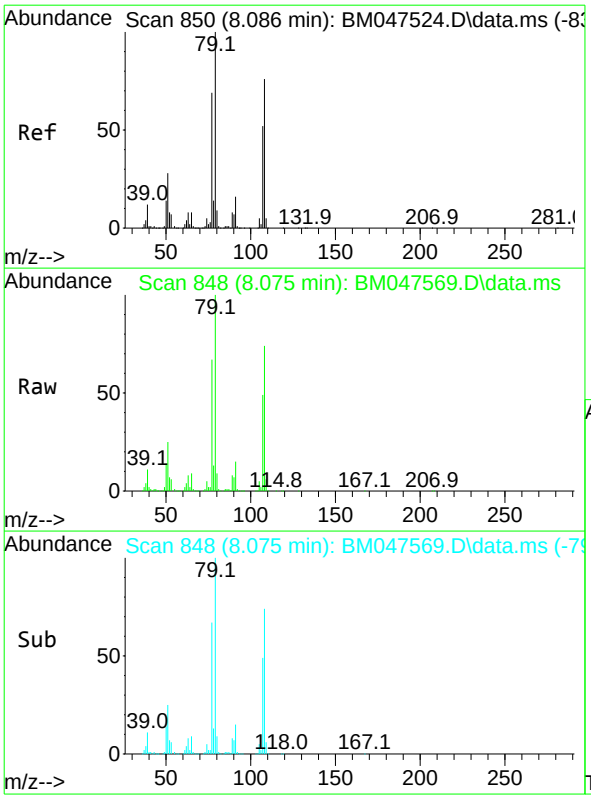



#14
1,2-Dichlorobenzene
Concen: 40.924 ng
RT: 8.193 min Scan# 868
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:146 Resp: 971941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 51.1 | 76.7 |
| 111 | 45.3 | 34.7 | 52.1 |

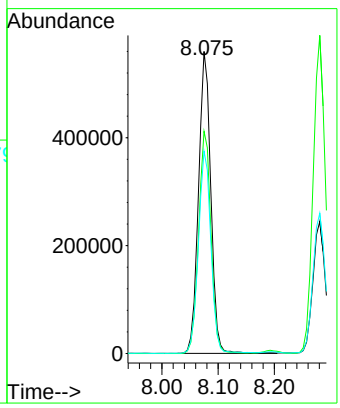





#15
Benzyl Alcohol
Concen: 45.431 ng
RT: 8.075 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 79 Resp: 850986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.5 | 60.6 | 91.0 |
| 77 | 67.0 | 55.0 | 82.4 |

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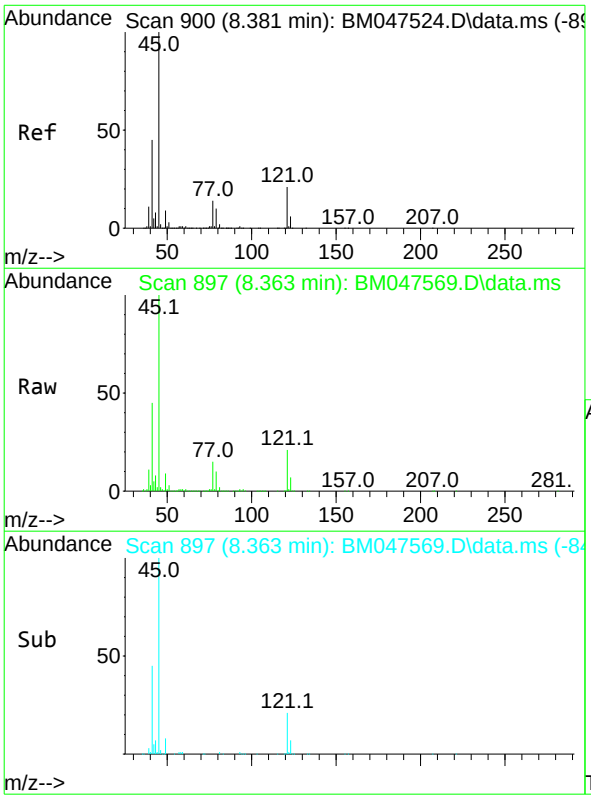
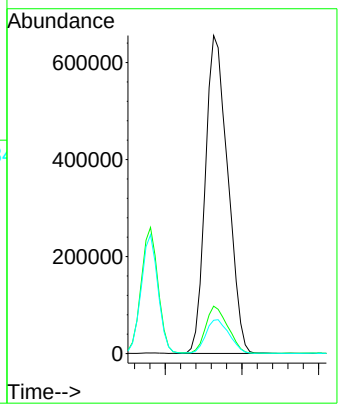
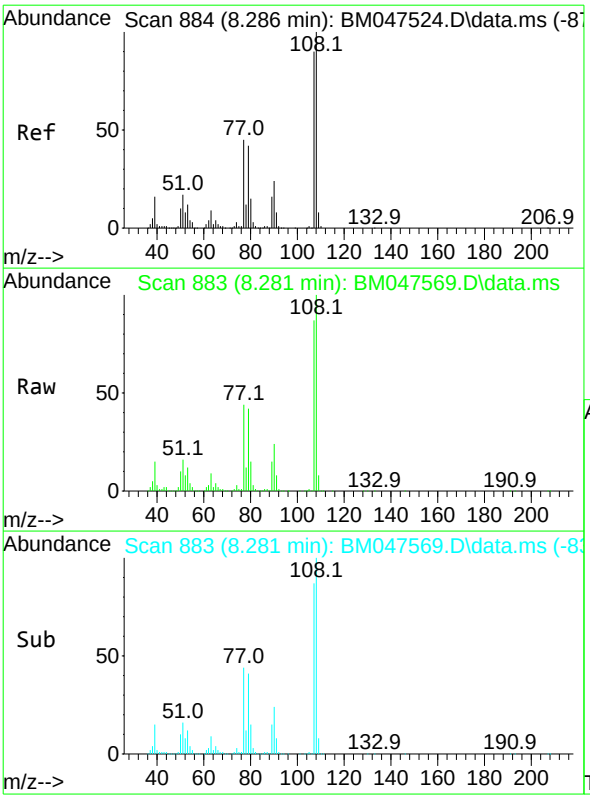



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.505 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 45 Resp: 1329121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.9 | 0.0 | 33.7 |
| 79 | 10.5 | 0.0 | 30.3 |

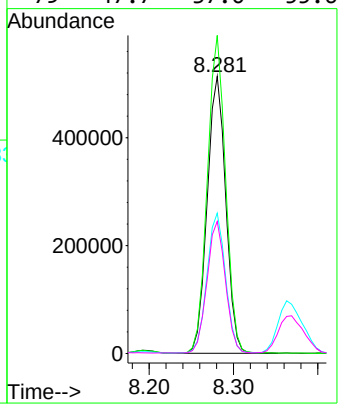





#17
2-Methylphenol
Concen: 44.429 ng
RT: 8.281 min Scan# 88
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 785893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.8 | 88.9 | 133.3 |
| 77 | 50.6 | 39.8 | 59.8 |
| 79 | 47.7 | 37.0 | 55.6 |




**Instrument :**
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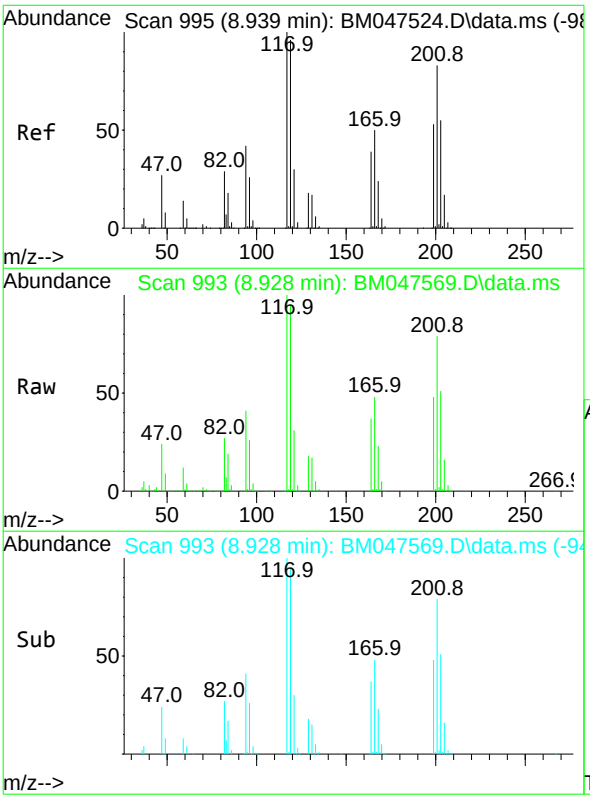
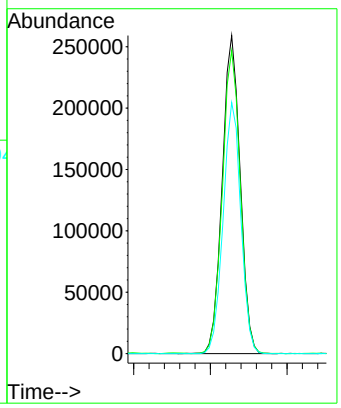
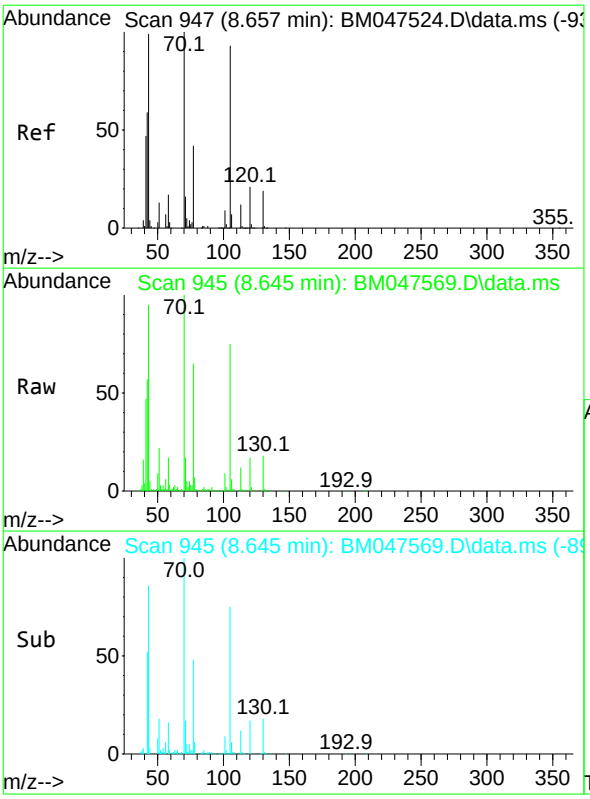



#18
Hexachloroethane
Concen: 43.614 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:117 Resp: 420465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 77.0 | 115.4 |
| 201 | 78.9 | 66.8 | 100.2 |

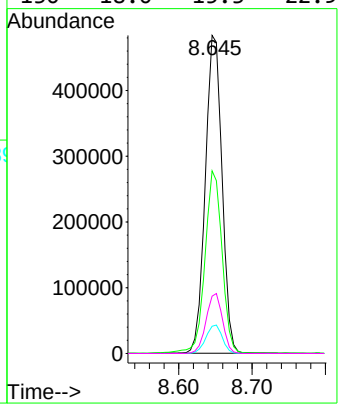





#19
n-Nitroso-di-n-propylamine
Concen: 40.979 ng
RT: 8.645 min Scan# 94
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 70 Resp: 764052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.4 | 48.2 | 72.2 |
| 101 | 8.6 | 7.0 | 10.4 |
| 130 | 18.0 | 15.3 | 22.9 |

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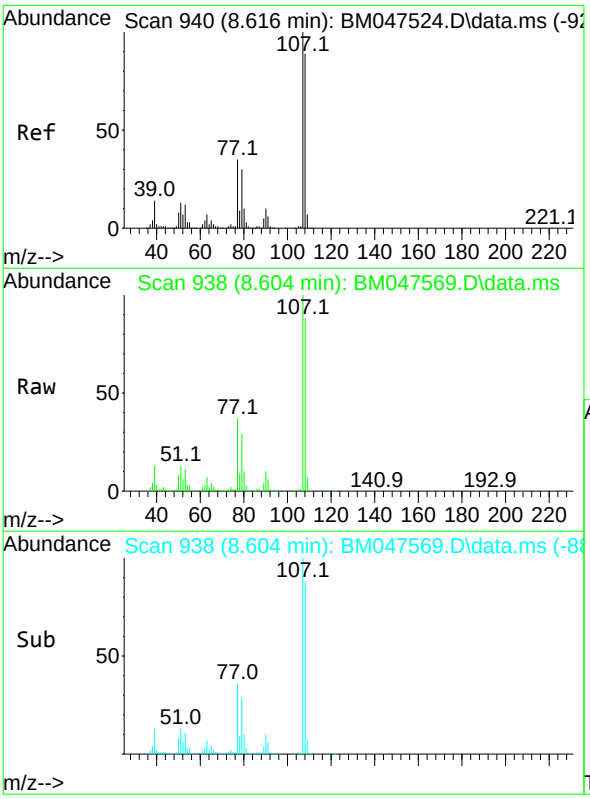
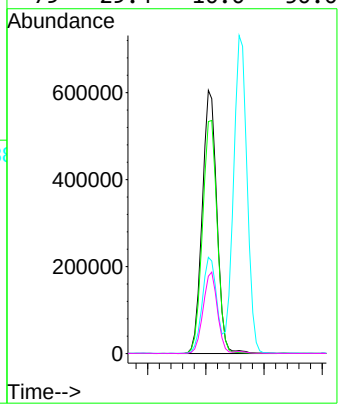
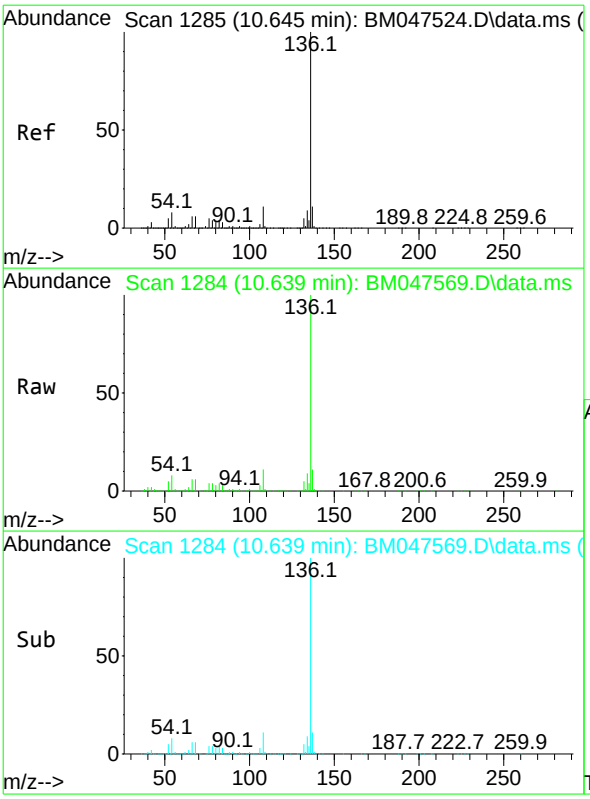



#20
3+4-Methylphenols
Concen: 42.861 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 1057865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 68.9 | 108.9 |
| 77 | 36.6 | 15.5 | 55.5 |
| 79 | 29.4 | 10.0 | 50.0 |

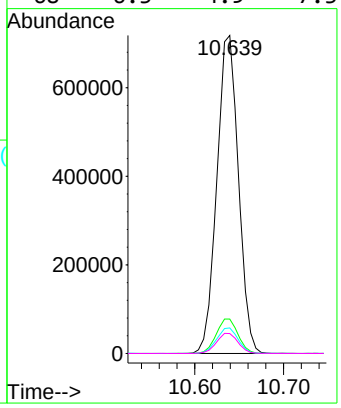





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 12
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:136 Resp: 1211917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.6 |
| 54 | 8.0 | 6.6 | 9.8 |
| 68 | 6.3 | 4.9 | 7.3 |

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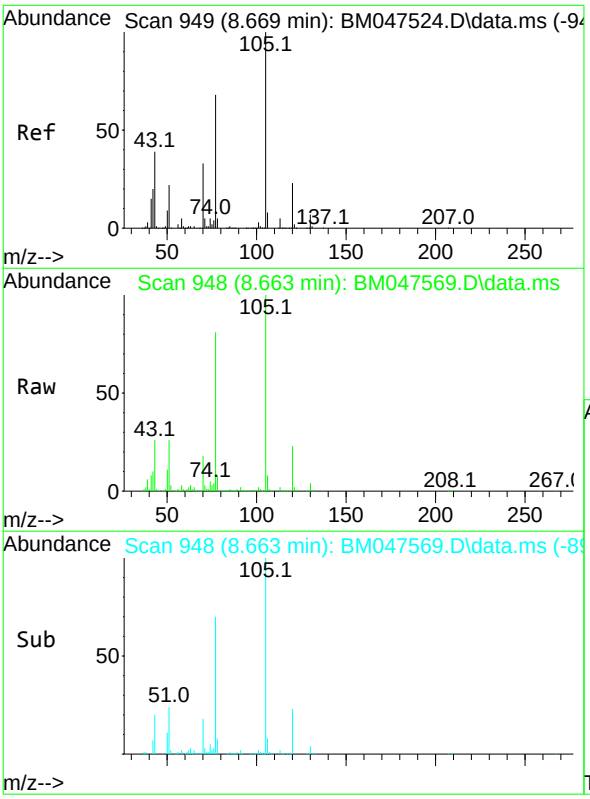
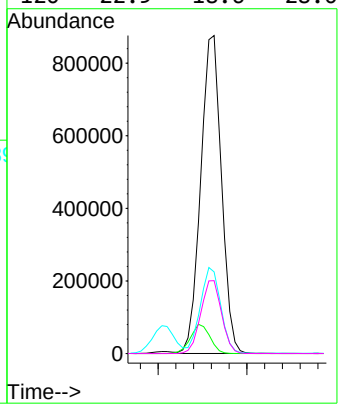
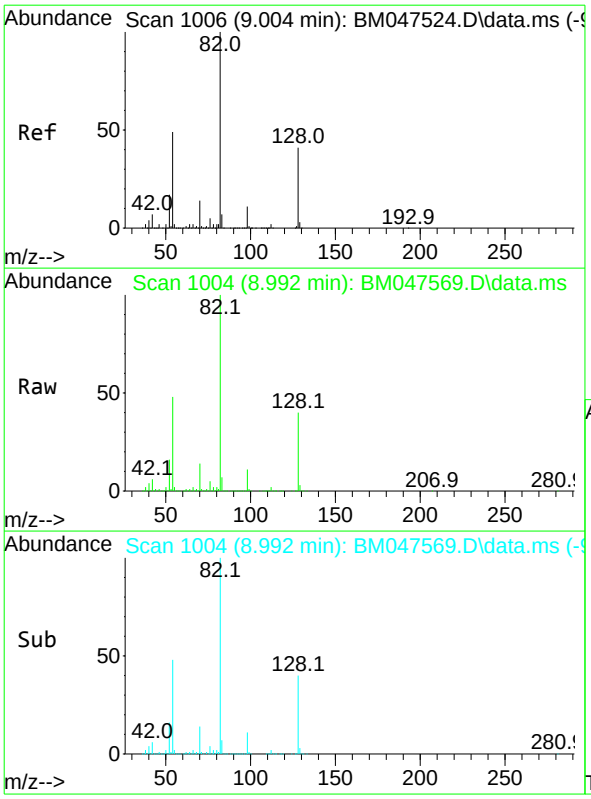



#22
Acetophenone
Concen: 44.633 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:105 Resp: 1422087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.9 | 4.3 | 6.5# |
| 51 | 25.7 | 21.5 | 32.3 |
| 120 | 22.9 | 18.6 | 28.0 |






#23
Nitrobenzene-d5
Concen: 96.452 ng
RT: 8.992 min Scan# 10
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 82 Resp: 2335679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.7 | 33.0 | 49.4 |
| 54 | 48.1 | 39.3 | 58.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

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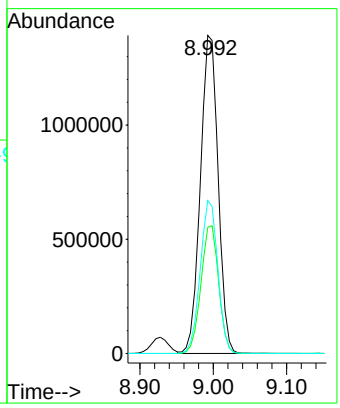
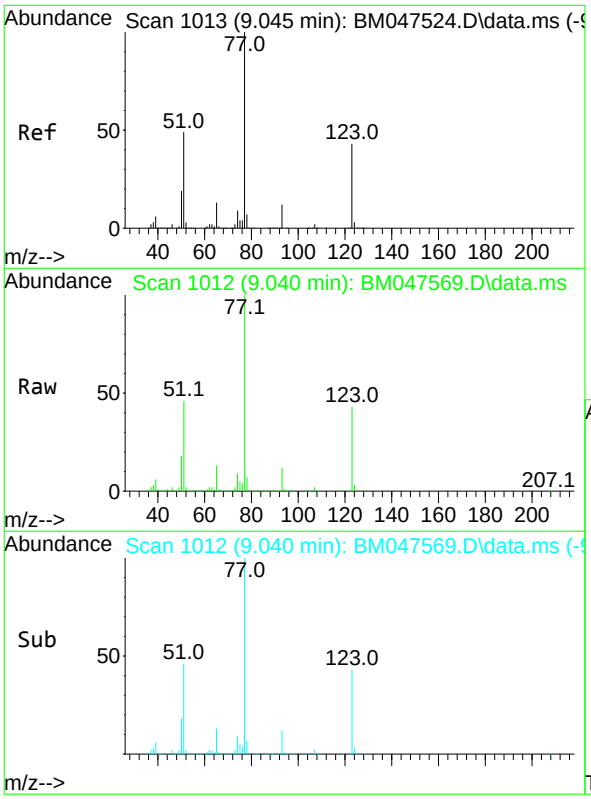
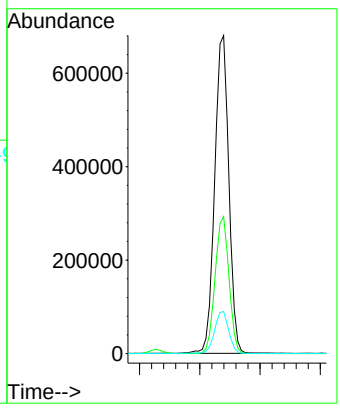


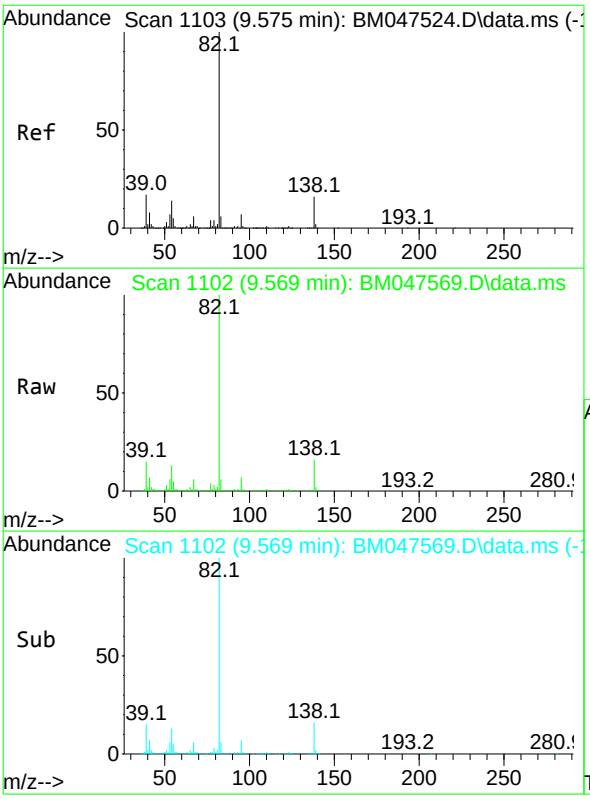




#24
Nitrobenzene
Concen: 44.540 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 1108309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.0 | 34.5 | 51.7 |
| 65 | 13.2 | 10.7 | 16.1 |

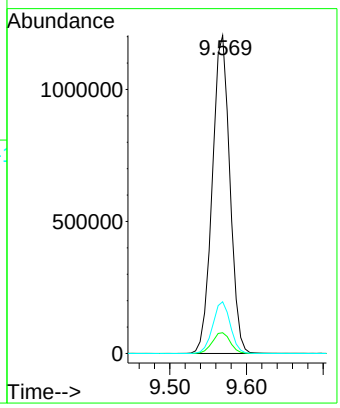





#25
Isophorone
Concen: 44.955 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 82 Resp: 1913866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.5 | 5.4 | 8.0 |
| 138 | 16.3 | 12.9 | 19.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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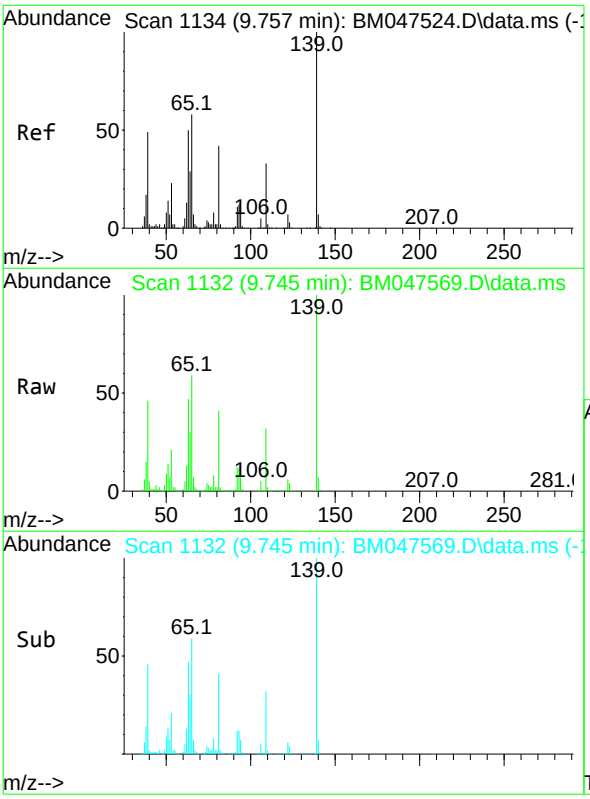
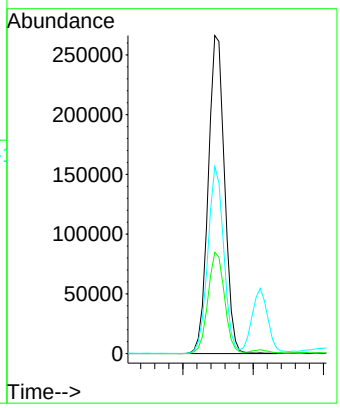
Supervised By :mohammad ahmed 09/22/2024

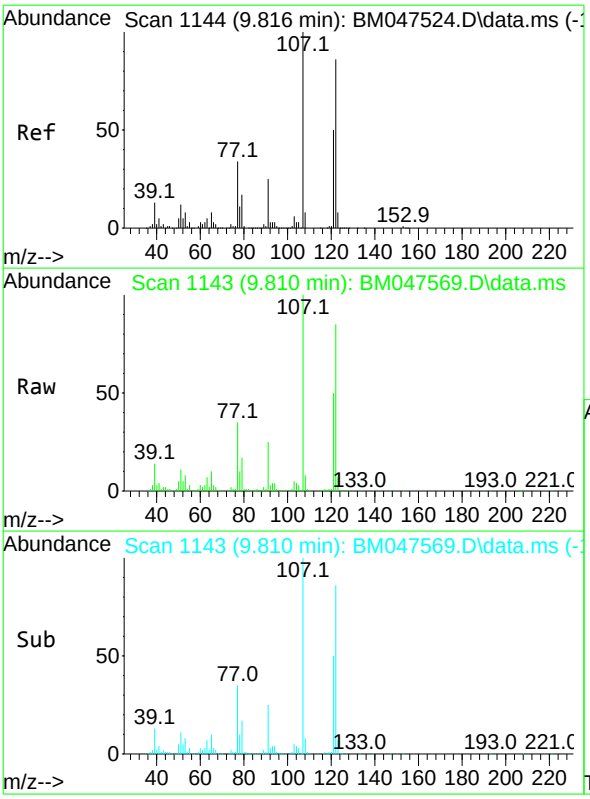



#26
2-Nitrophenol
Concen: 50.635 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:139 Resp: 429354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.8 | 26.0 | 39.0 |
| 65 | 58.8 | 46.2 | 69.4 |

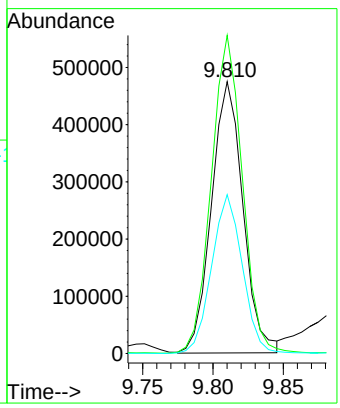





#27
2,4-Dimethylphenol
Concen: 57.544 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:122 Resp: 739664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.0 | 92.4 | 138.6 |
| 121 | 58.4 | 46.2 | 69.4 |




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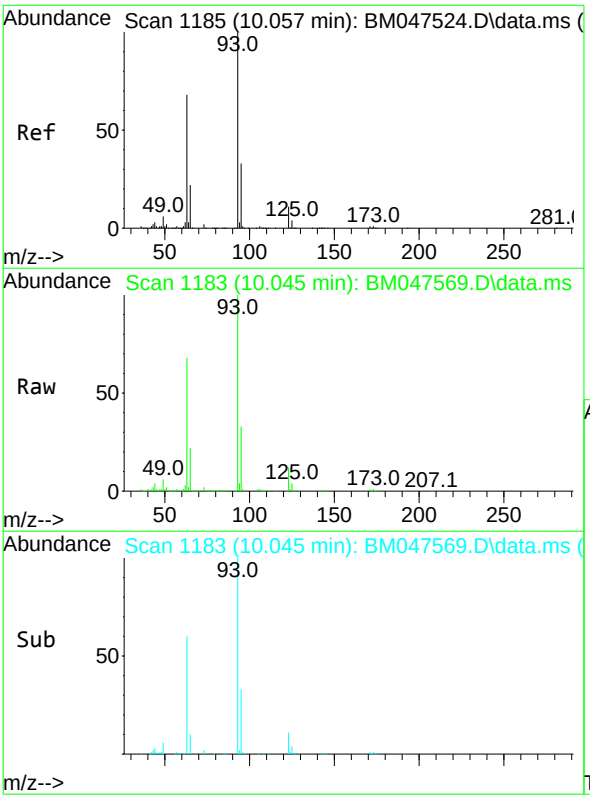
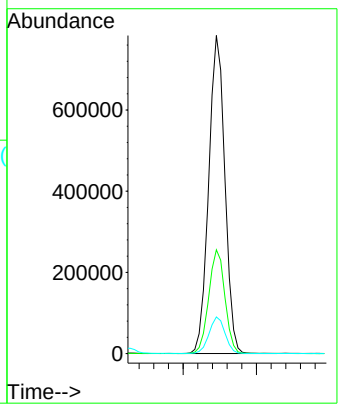
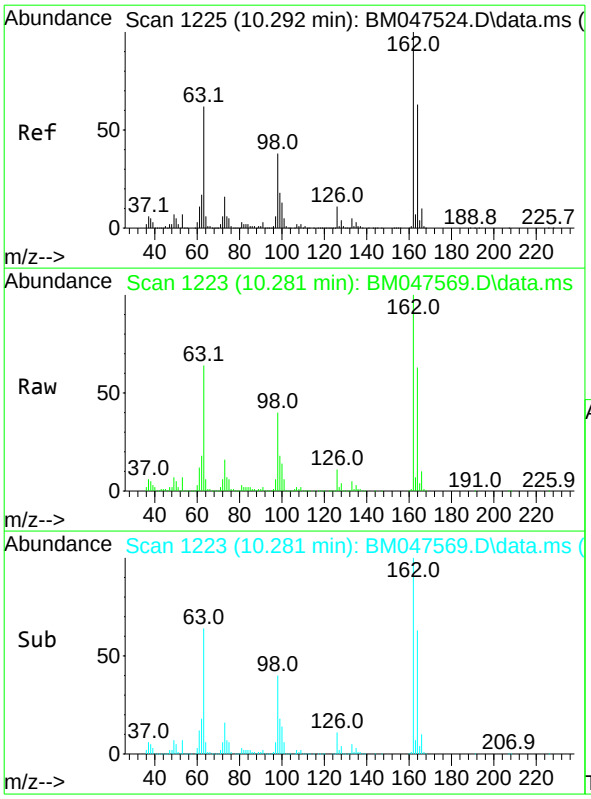



#28
bis(2-Chloroethoxy)methane
Concen: 44.775 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 93 Resp: 1197364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.2 |
| 123 | 11.5 | 9.2 | 13.8 |






#29
2,4-Dichlorophenol
Concen: 46.880 ng
RT: 10.281 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:162 Resp: 765581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.5 | 43.5 | 83.5 |
| 98 | 40.1 | 17.6 | 57.6 |

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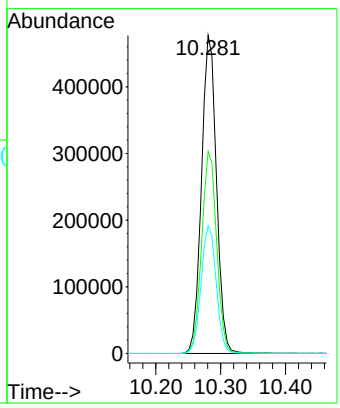
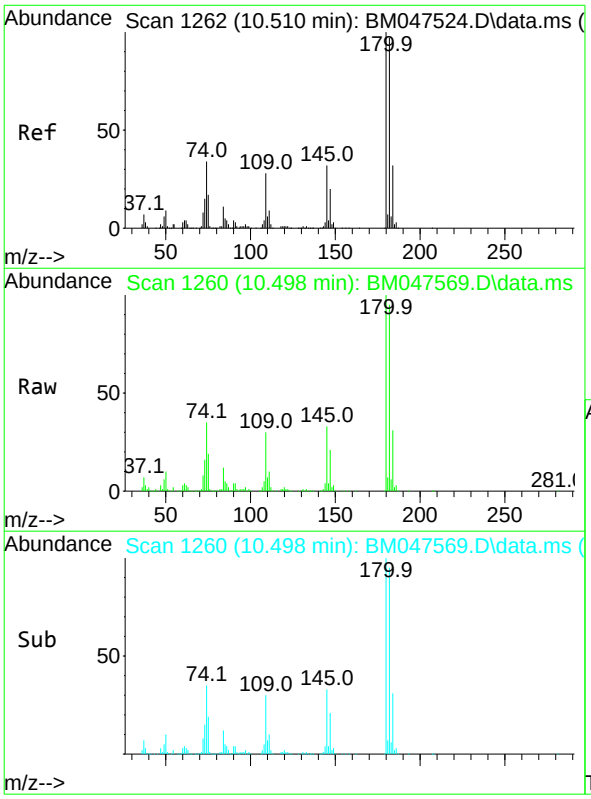
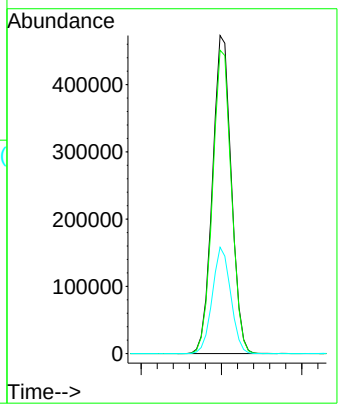


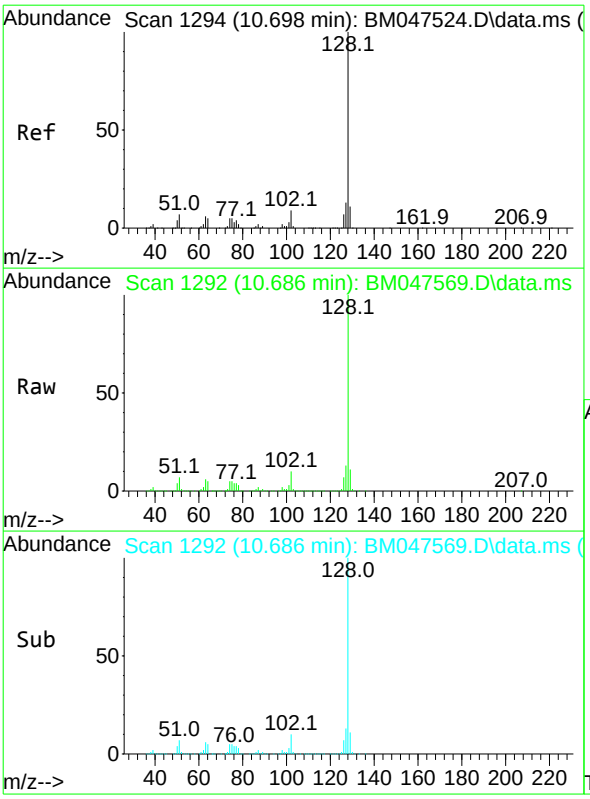




#30
1,2,4-Trichlorobenzene
Concen: 41.180 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:180 Resp: 770321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 77.6 | 116.4 |
| 145 | 33.4 | 25.4 | 38.0 |

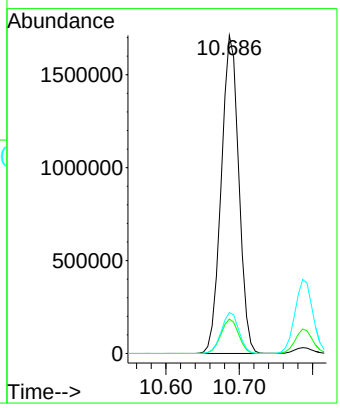





#31
Naphthalene
Concen: 43.348 ng
RT: 10.686 min Scan# 12
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:128 Resp: 2837269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.7 | 13.1 |
| 127 | 12.9 | 10.5 | 15.7 |




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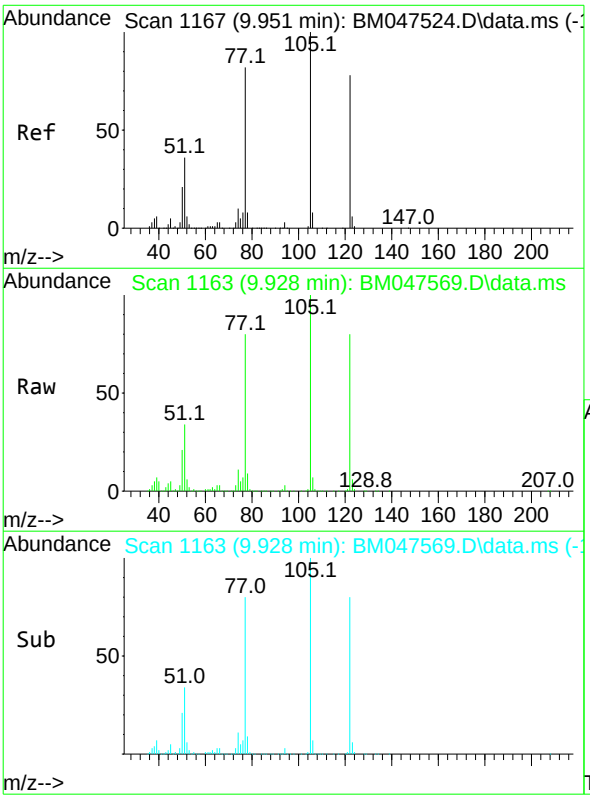
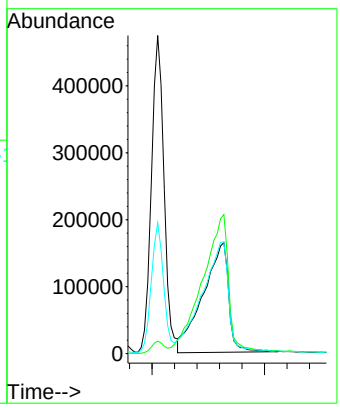
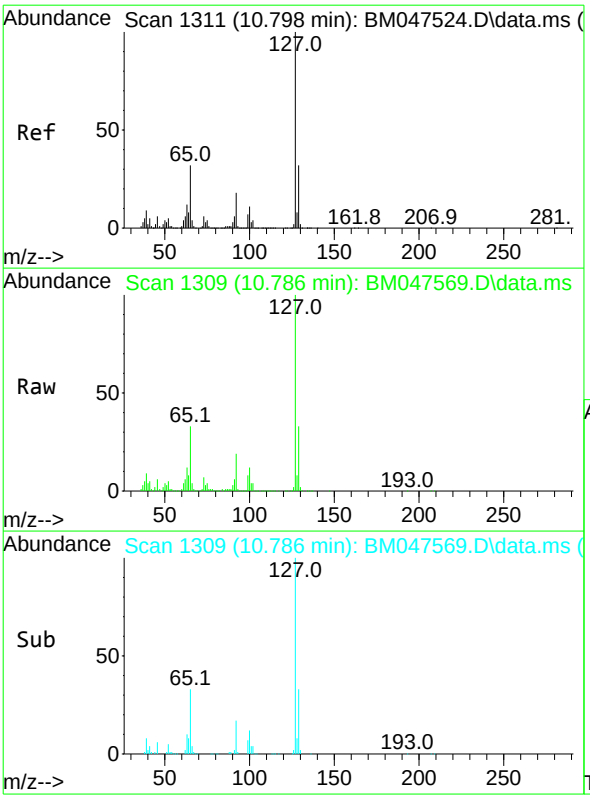



#32
Benzoic acid
Concen: 41.966 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:122 Resp: 519346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.2 | 104.7 | 144.7 |
| 77 | 100.5 | 83.4 | 123.4 |






#33
4-Chloroaniline
Concen: 28.759 ng
RT: 10.786 min Scan# 13
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:127 Resp: 680573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.1 | 25.4 | 38.0 |
| 65 | 32.8 | 25.5 | 38.3 |
| 92 | 18.7 | 14.8 | 22.2 |

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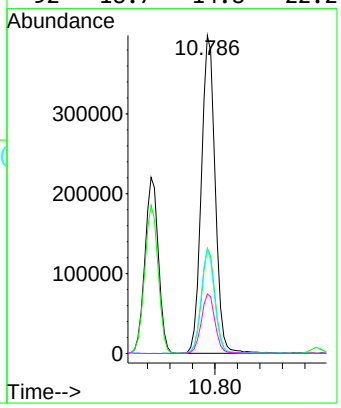
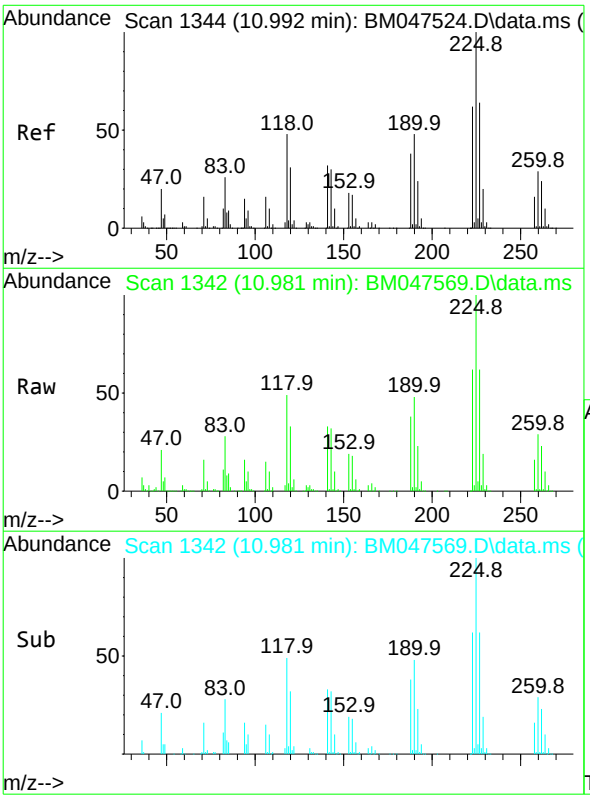
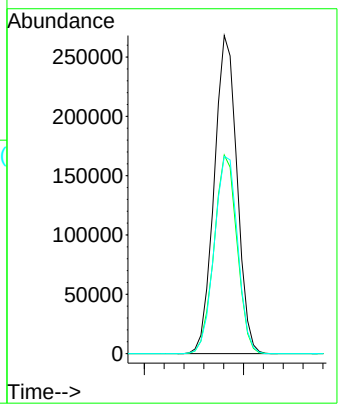


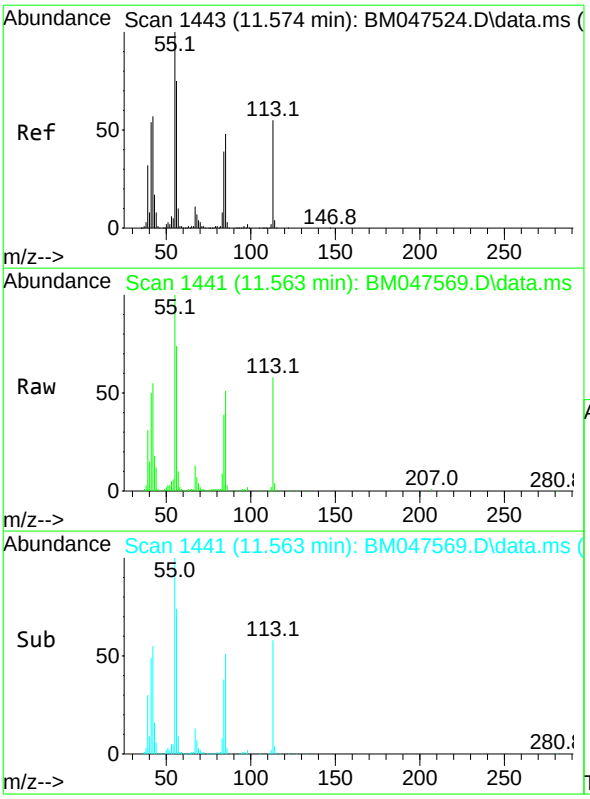




#34
Hexachlorobutadiene
Concen: 41.259 ng
RT: 10.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:225 Resp: 427487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 49.8 | 74.6 |
| 227 | 62.1 | 51.0 | 76.4 |

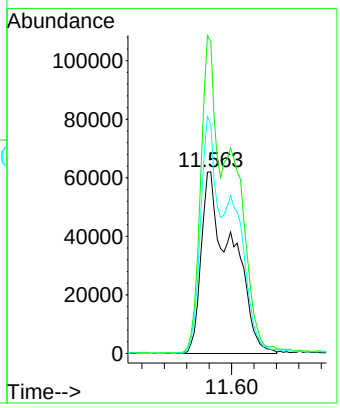





#35
Caprolactam
Concen: 43.792 ng m
RT: 11.563 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:113 Resp: 235553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 171.6 | 162.5 | 202.5 |
| 56 | 126.1 | 116.5 | 156.5 |




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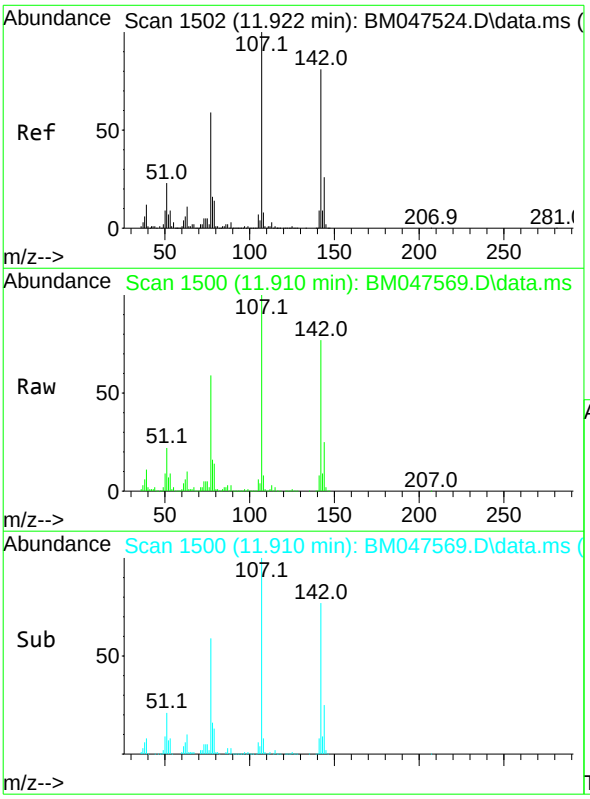
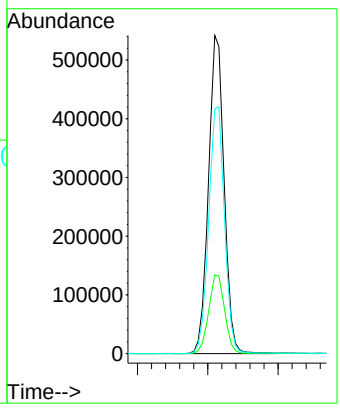
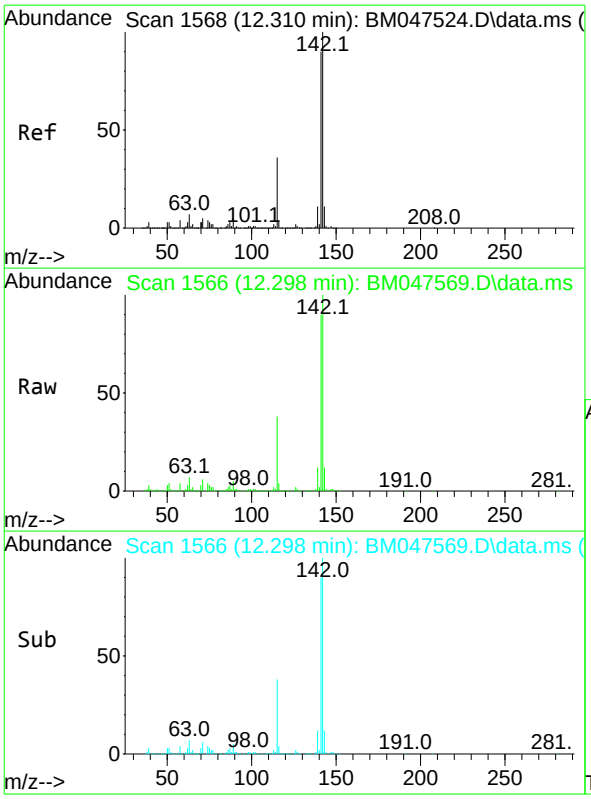



#36
4-Chloro-3-methylphenol
Concen: 44.762 ng
RT: 11.910 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:107 Resp: 837721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.5 | 30.7 |
| 142 | 76.9 | 65.0 | 97.4 |

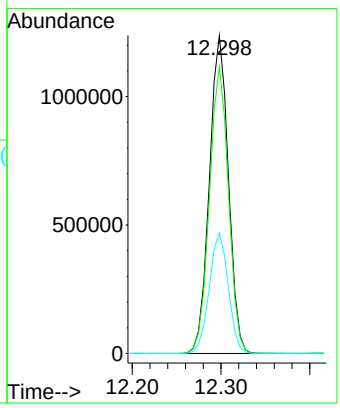





#37
2-Methylnaphthalene
Concen: 42.299 ng
RT: 12.298 min Scan# 15
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:142 Resp: 1842679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 72.2 | 108.4 |
| 115 | 37.7 | 29.1 | 43.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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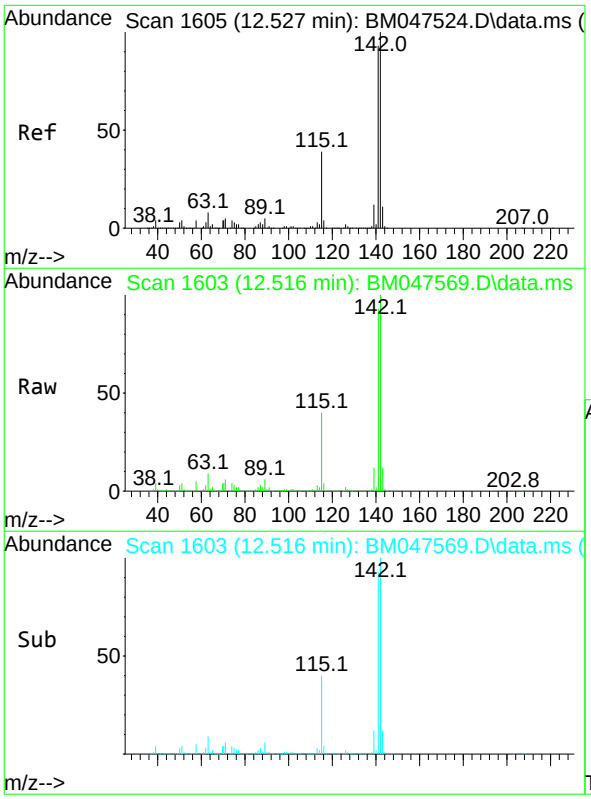
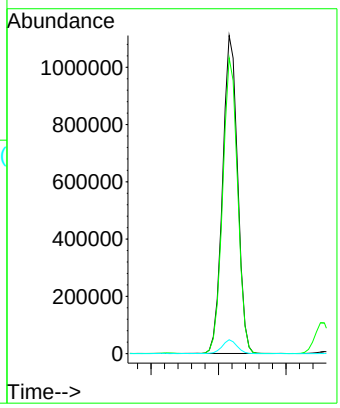
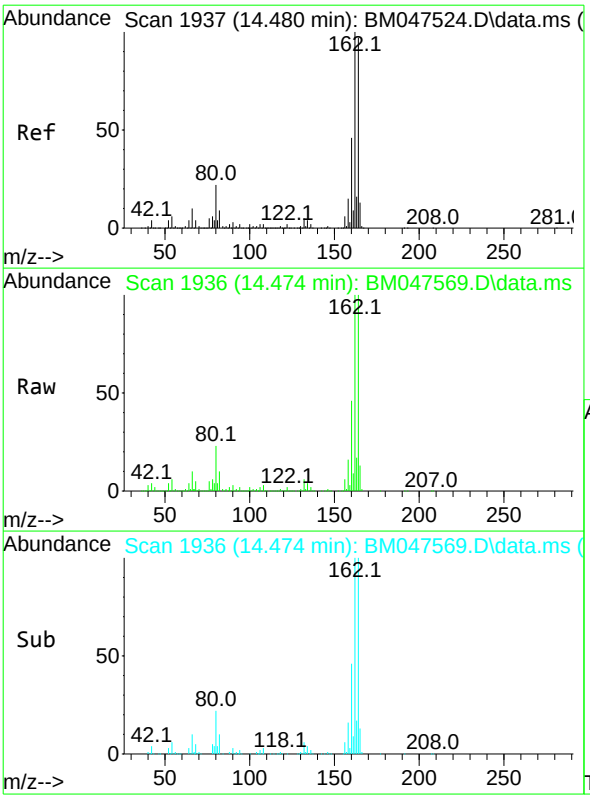



#38
1-Methylnaphthalene
Concen: 39.536 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:142 Resp: 1711593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 74.7 | 112.1 |
| 116 | 4.4 | 3.2 | 4.8 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:164 Resp: 613404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 82.2 | 123.2 |
| 160 | 46.4 | 38.2 | 57.2 |

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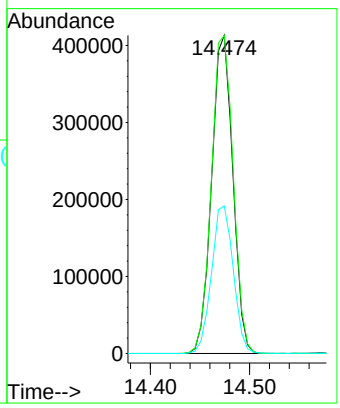
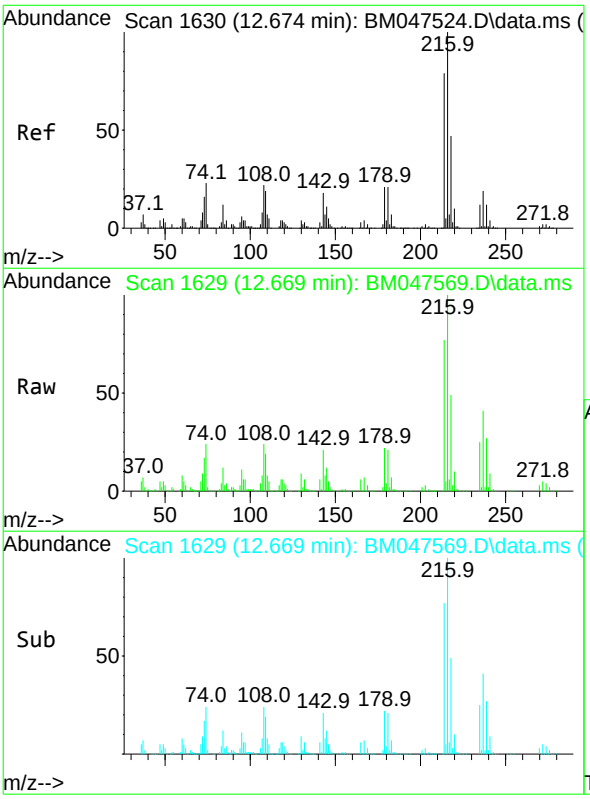
Supervised By :mohammad ahmed 09/22/2024

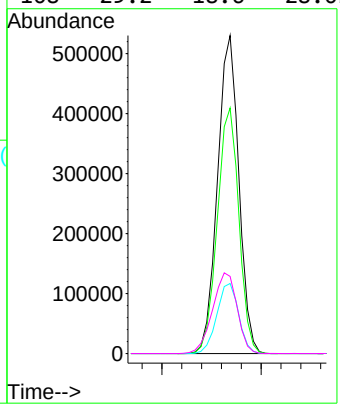


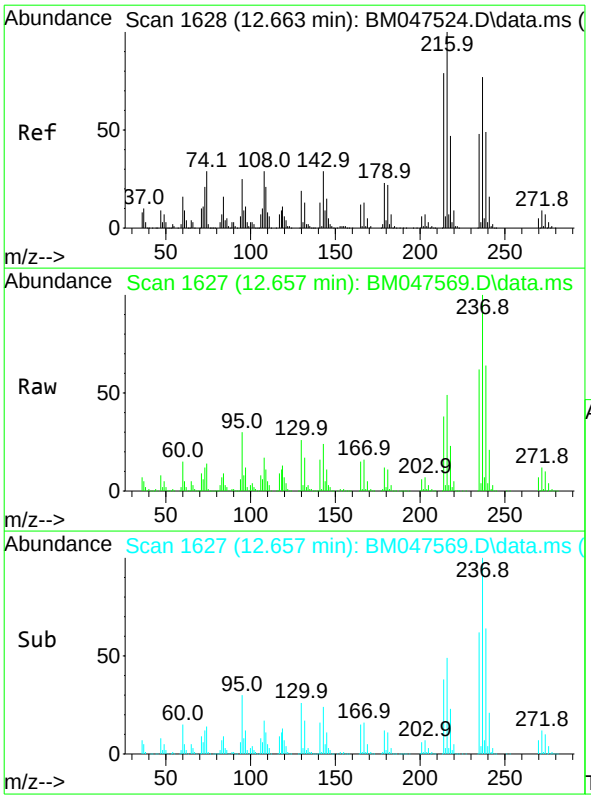




#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.701 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:216 Resp: 791753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 63.0 | 94.6 |
| 179 | 22.6 | 17.5 | 26.3 |
| 108 | 29.2 | 18.6 | 28.0# |






#41
Hexachlorocyclopentadiene
Concen: 173.794 ng
RT: 12.657 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:237 Resp: 943035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 42.0 | 82.0 |
| 272 | 12.4 | 0.0 | 31.5 |

**Manual Integrations**
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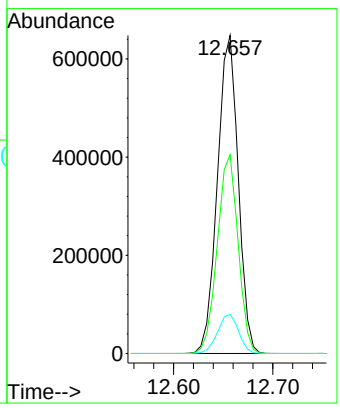
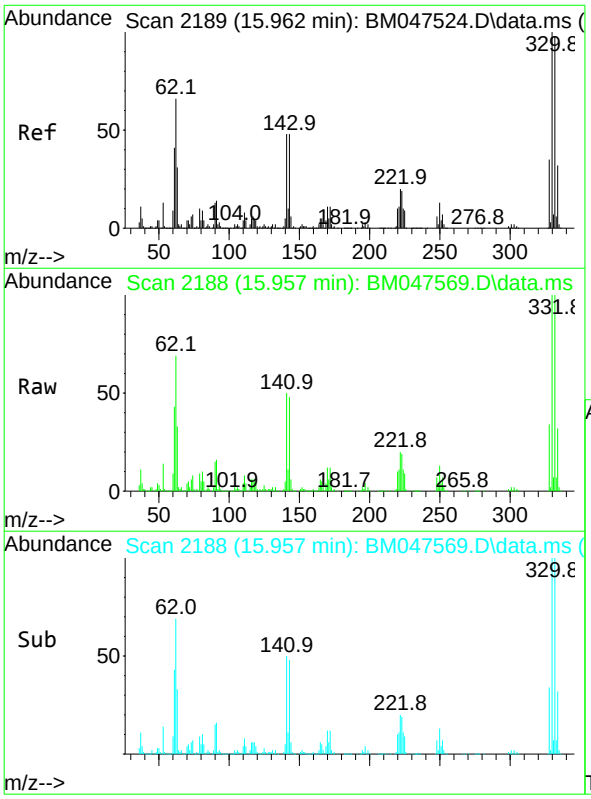
Supervised By :mohammad ahmed 09/22/2024

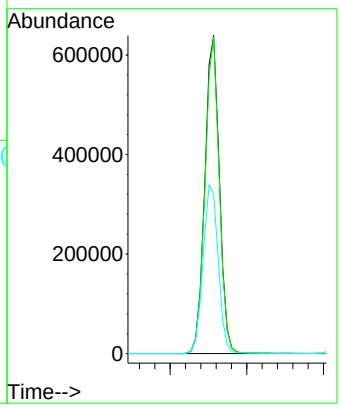


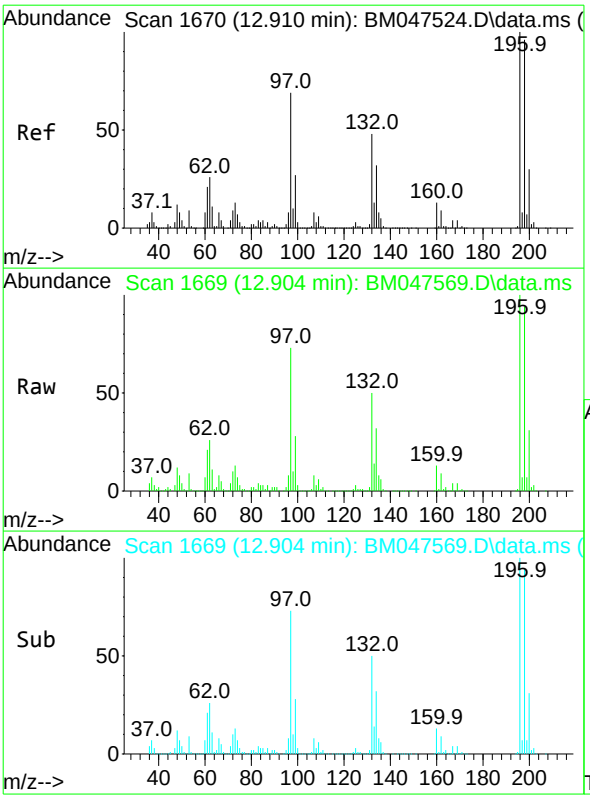




#42
2,4,6-Tribromophenol
Concen: 142.050 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:330 Resp: 842227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 76.9 | 115.3 |
| 141 | 55.7 | 42.2 | 63.2 |

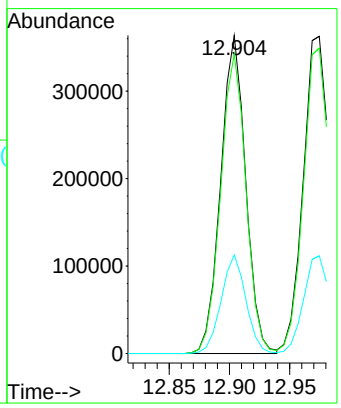





#43
2,4,6-Trichlorophenol
Concen: 50.441 ng
RT: 12.904 min Scan# 16
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:196 Resp: 524521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.2 | 76.9 | 115.3 |
| 200 | 31.0 | 24.3 | 36.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

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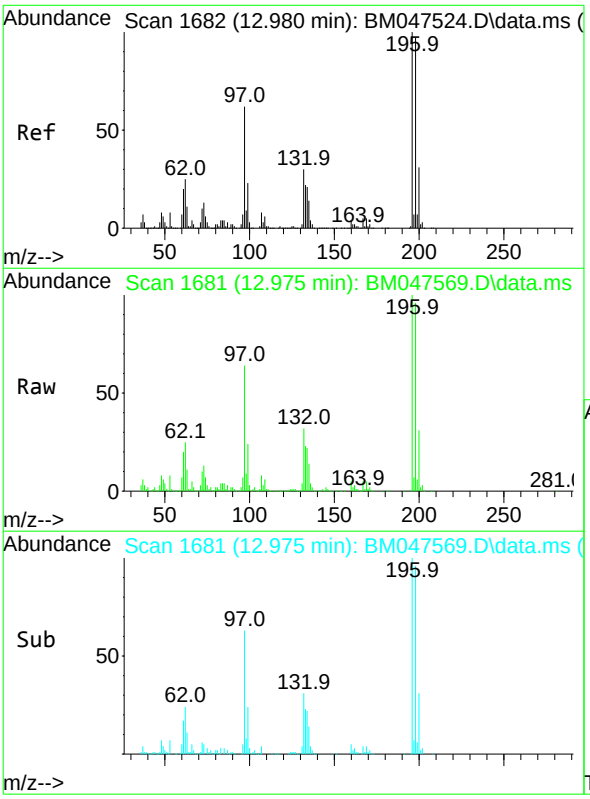
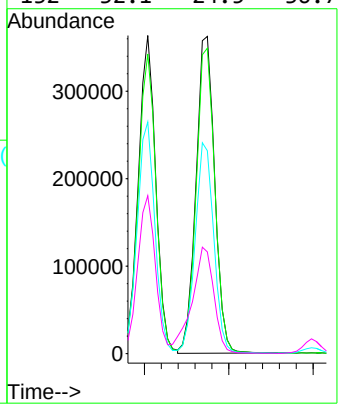
Supervised By :mohammad ahmed 09/22/2024

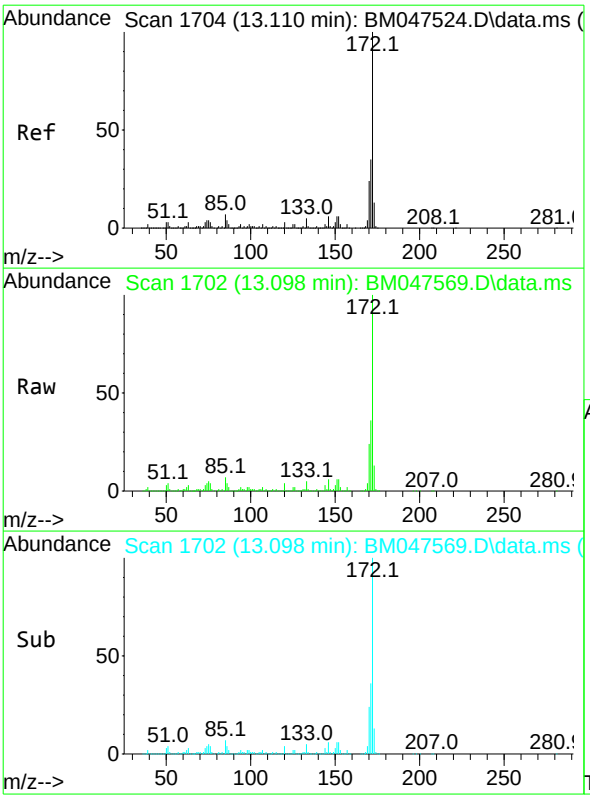



#44
2,4,5-Trichlorophenol
Concen: 47.566 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:196 Resp: 558681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.3 | 77.4 | 116.2 |
| 97 | 64.0 | 49.8 | 74.8 |
| 132 | 32.1 | 24.5 | 36.7 |






#45
2-Fluorobiphenyl
Concen: 96.918 ng
RT: 13.098 min Scan# 17
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:172 Resp: 4315694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.2 | 42.2 |
| 170 | 24.1 | 19.4 | 29.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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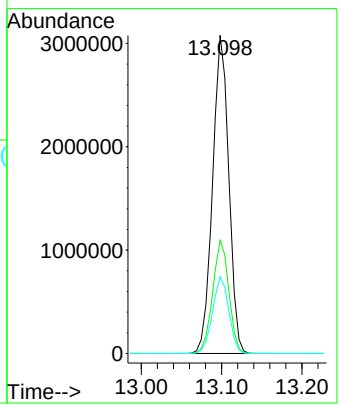
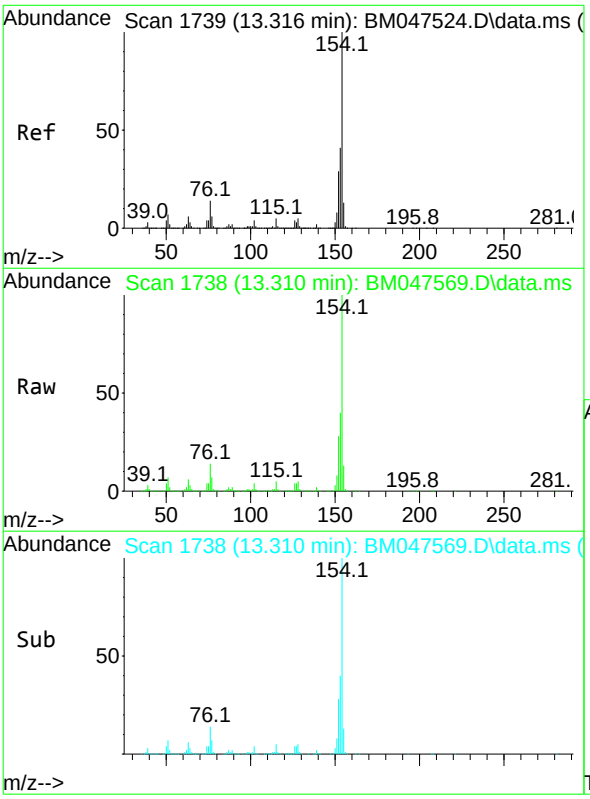
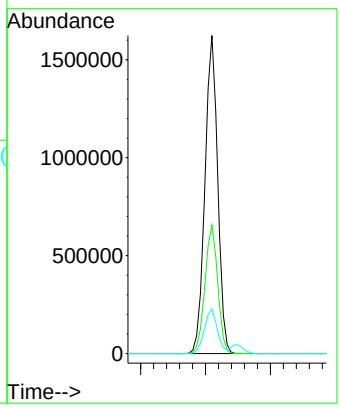


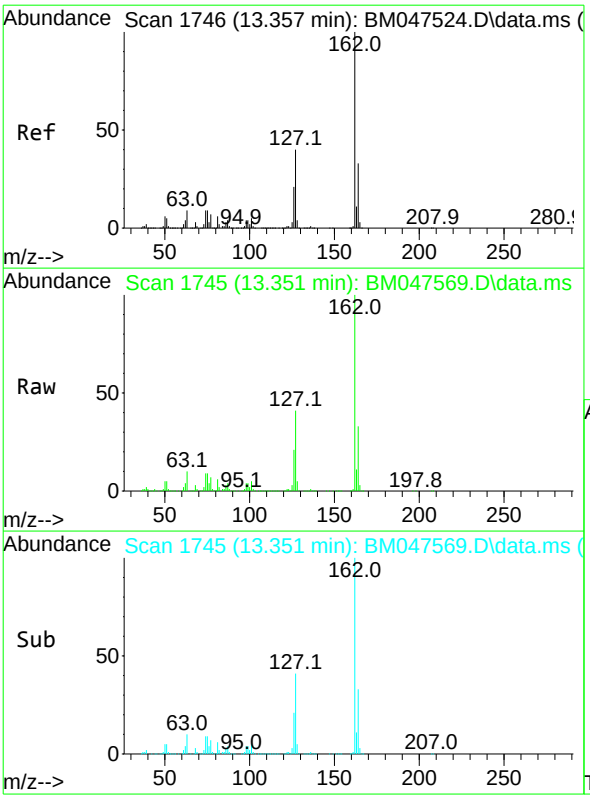




#46
1,1'-Biphenyl
Concen: 46.347 ng
RT: 13.310 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:154 Resp: 2211954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 20.6 | 60.6 |
| 76 | 14.0 | 0.0 | 33.9 |






#47
2-Chloronaphthalene
Concen: 45.236 ng
RT: 13.351 min Scan# 17
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:162 Resp: 1676373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 32.2 | 48.4 |
| 164 | 32.7 | 26.3 | 39.5 |

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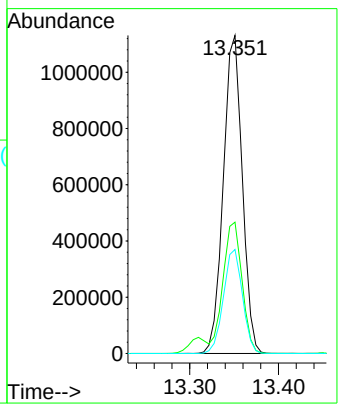
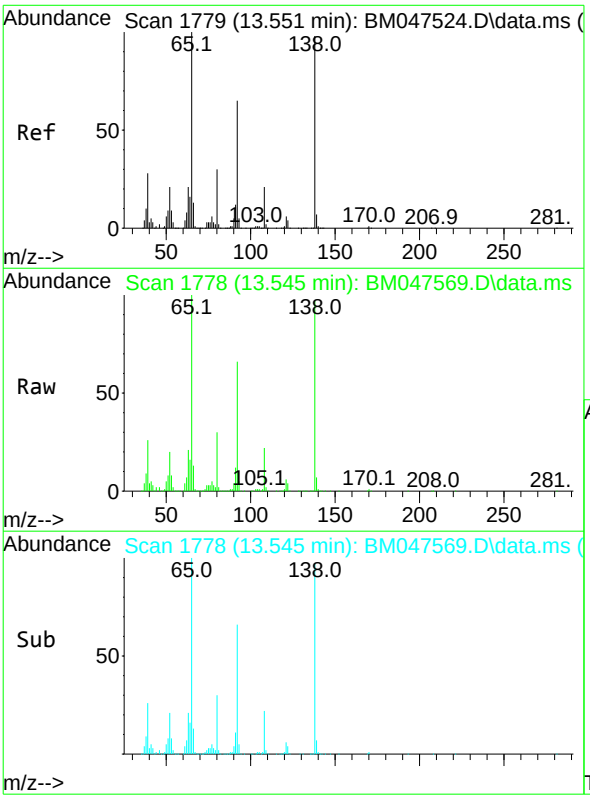
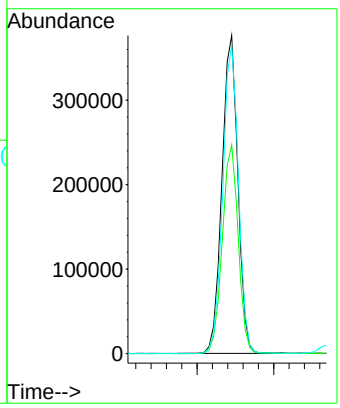


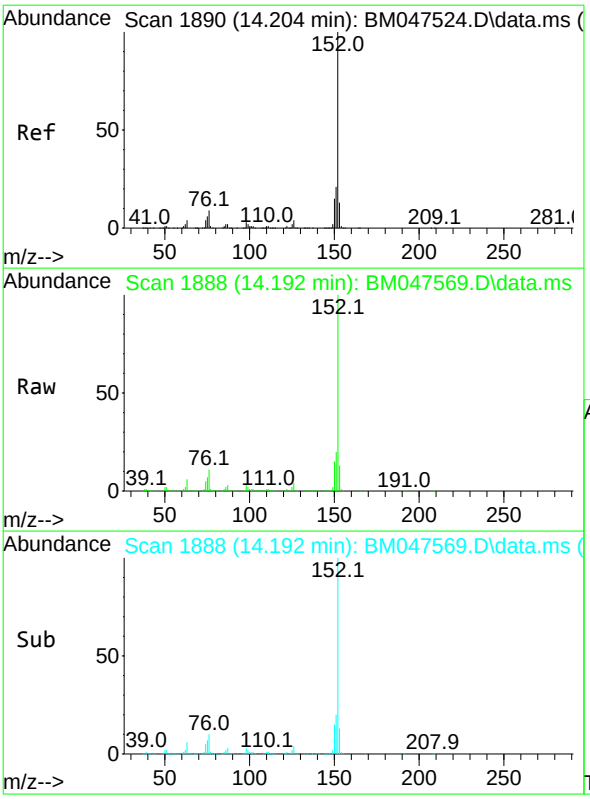




#48
2-Nitroaniline
Concen: 49.780 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 65 Resp: 541845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.6 | 51.9 | 77.9 |
| 138 | 97.0 | 78.5 | 117.7 |

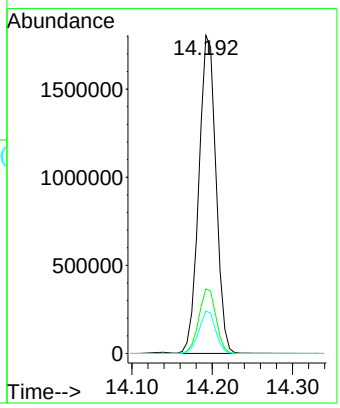





#49
Acenaphthylene
Concen: 49.861 ng
RT: 14.192 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:152 Resp: 2666450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.5 | 24.7 |
| 153 | 13.4 | 10.4 | 15.6 |




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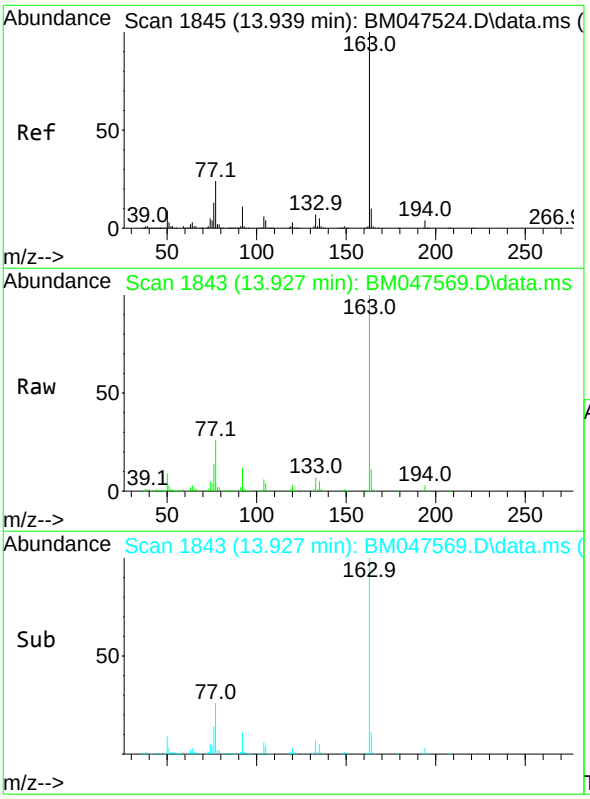
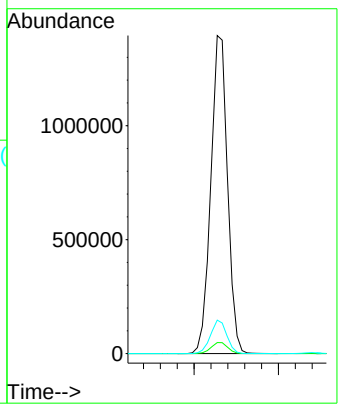
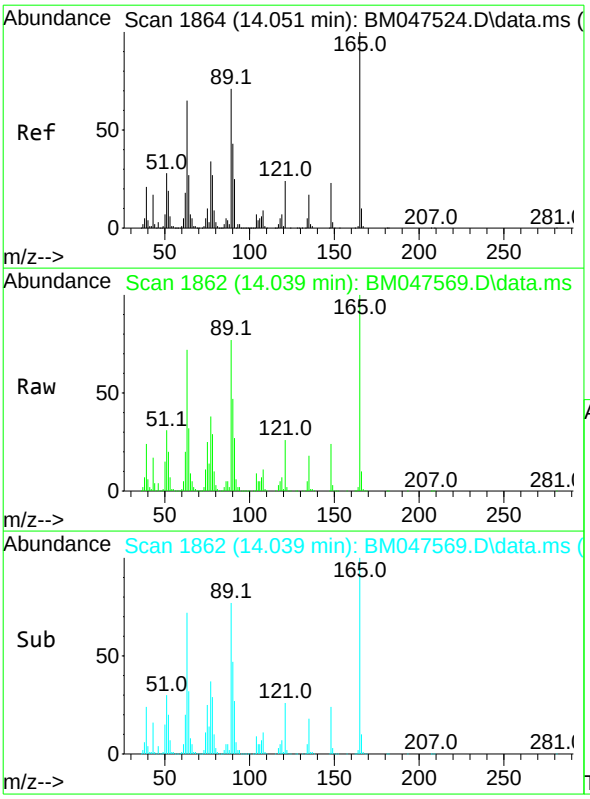



#50
Dimethylphthalate
Concen: 45.889 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:163 Resp: 1918542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.9 | 4.3 |
| 164 | 10.5 | 7.9 | 11.9 |






#51
2,6-Dinitrotoluene
Concen: 44.568 ng
RT: 14.039 min Scan# 18
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:165 Resp: 393353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 71.8 | 54.2 | 81.2 |
| 89 | 77.1 | 56.4 | 84.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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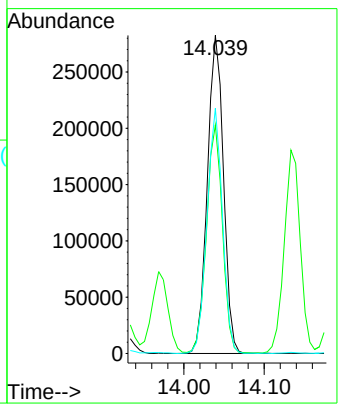
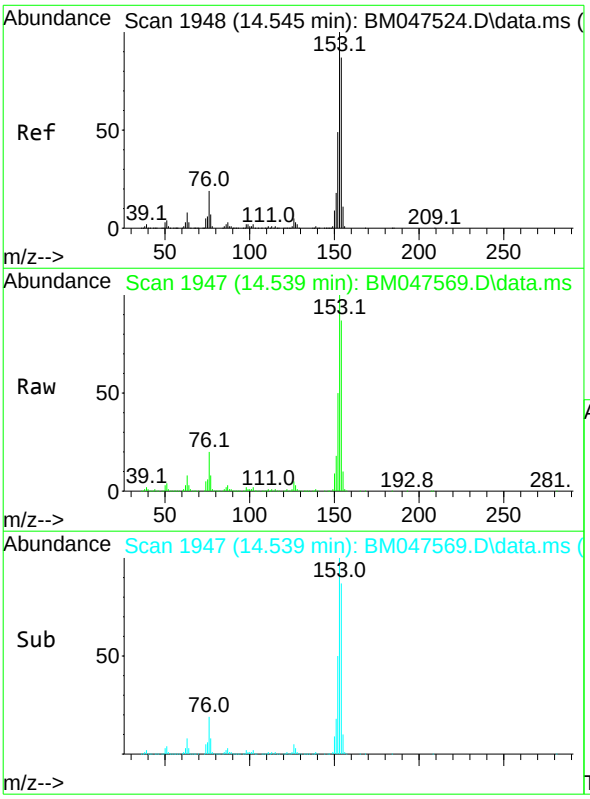
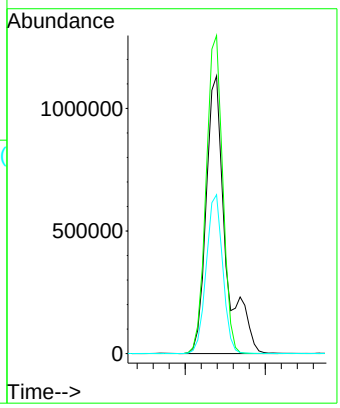


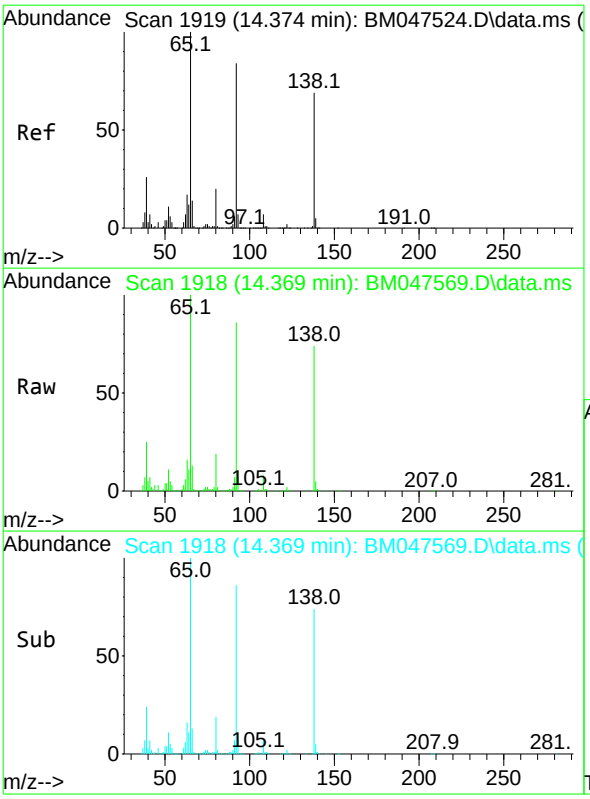




#52
Acenaphthene
Concen: 50.920 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:154 Resp: 1907981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.6 | 92.2 | 138.2 |
| 152 | 57.2 | 45.4 | 68.0 |






#53
3-Nitroaniline
Concen: 36.824 ng
RT: 14.369 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:138 Resp: 361244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.0 | 12.0 |
| 92 | 116.4 | 97.4 | 146.0 |

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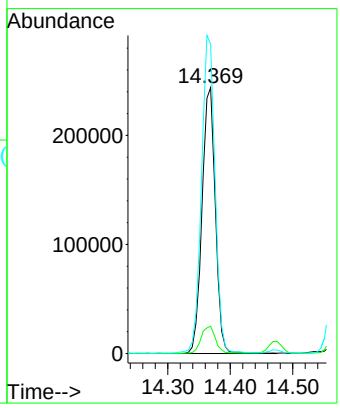
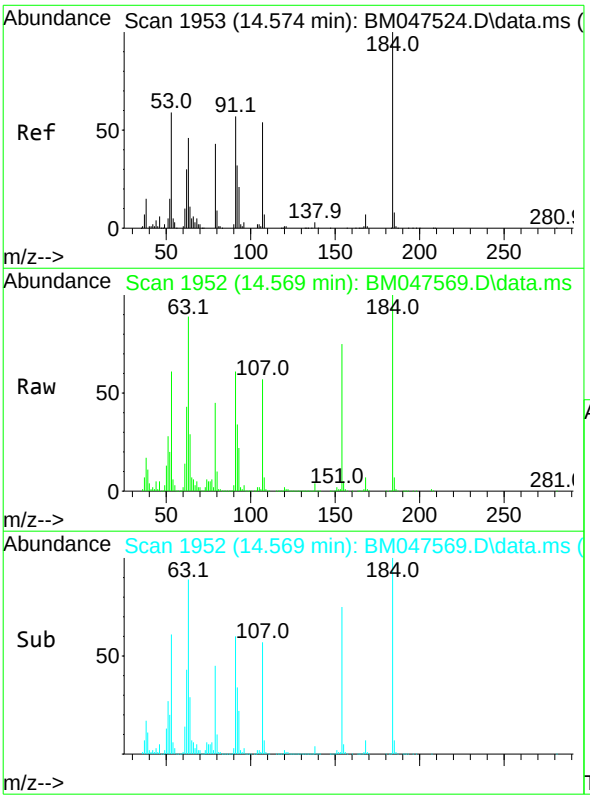
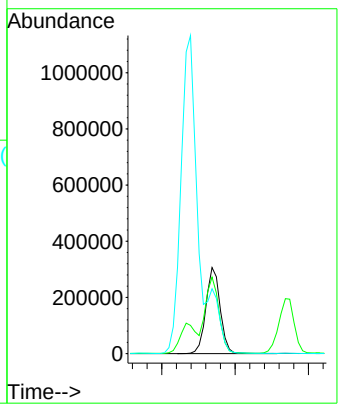


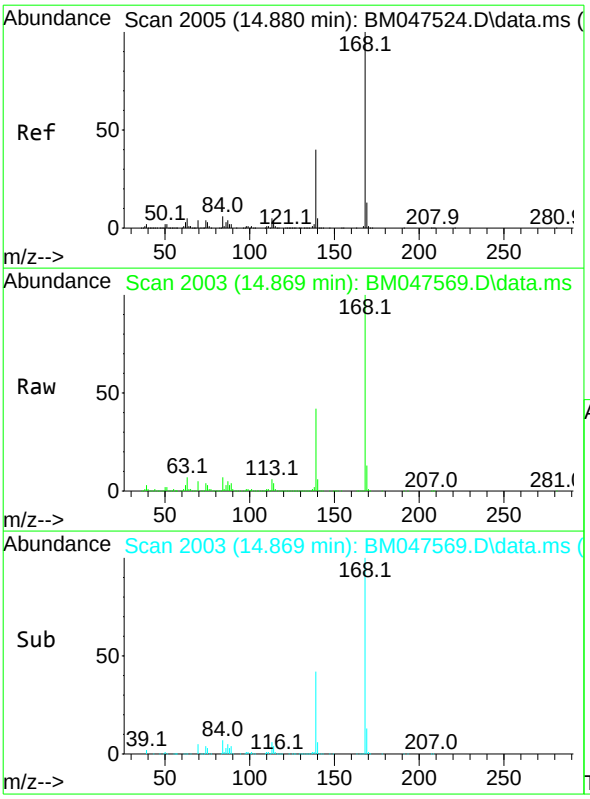




#54
2,4-Dinitrophenol
Concen: 82.181 ng
RT: 14.569 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:184 Resp: 413034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 88.9 | 69.4 | 104.0 |
| 154 | 75.4 | 60.4 | 90.6 |

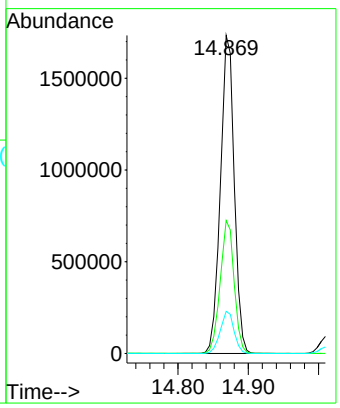





#55
Dibenzofuran
Concen: 45.021 ng
RT: 14.869 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:168 Resp: 2370535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 31.9 | 47.9 |
| 169 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

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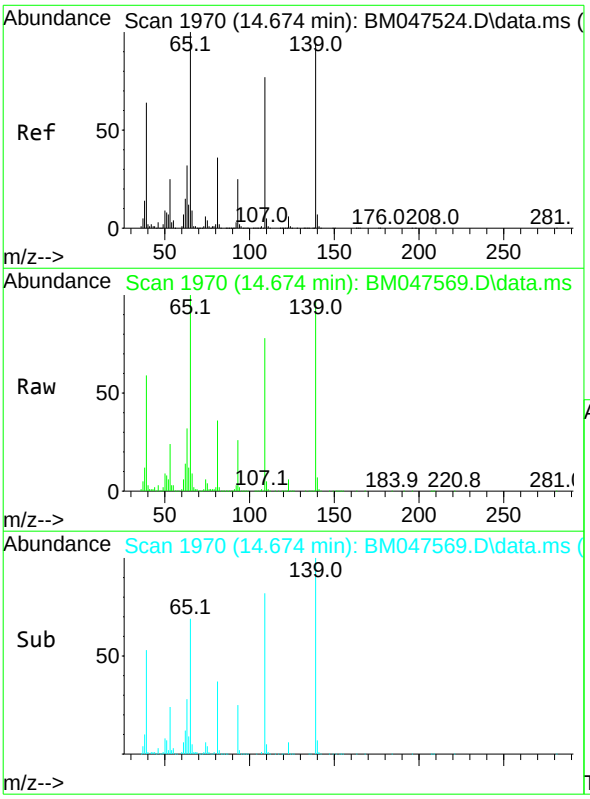
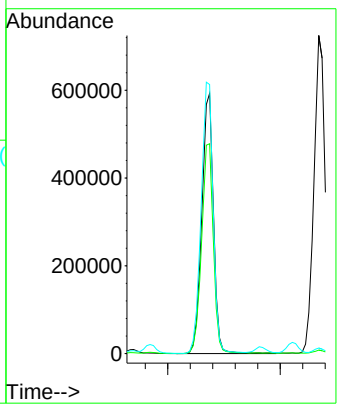
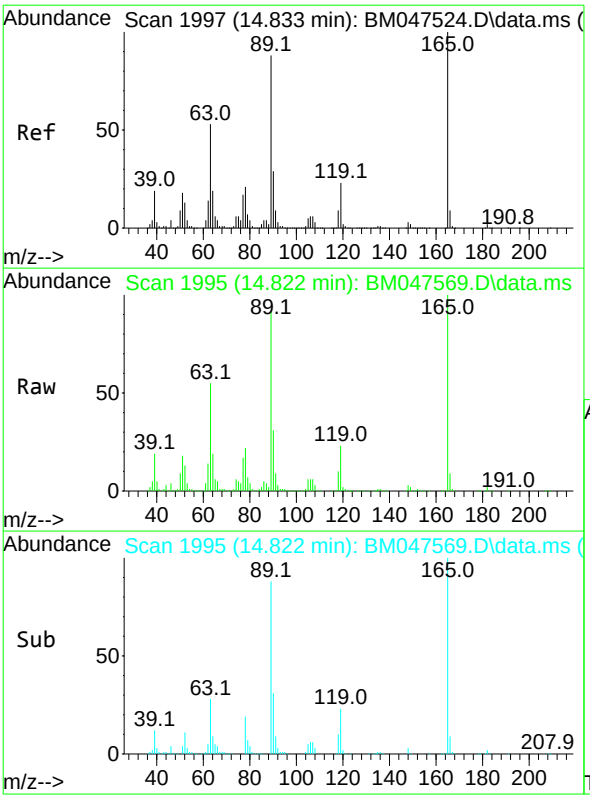



#56
4-Nitrophenol
Concen: 106.021 ng
RT: 14.674 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:139 Resp: 855857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.6 | 62.0 | 102.0 |
| 65 | 103.4 | 87.0 | 127.0 |

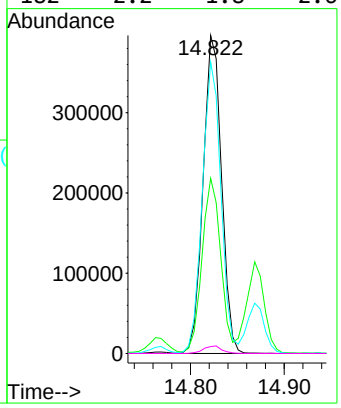





#57
2,4-Dinitrotoluene
Concen: 45.972 ng
RT: 14.822 min Scan# 19
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:165 Resp: 541137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.1 | 42.4 | 63.6 |
| 89 | 91.7 | 70.5 | 105.7 |
| 182 | 2.2 | 1.8 | 2.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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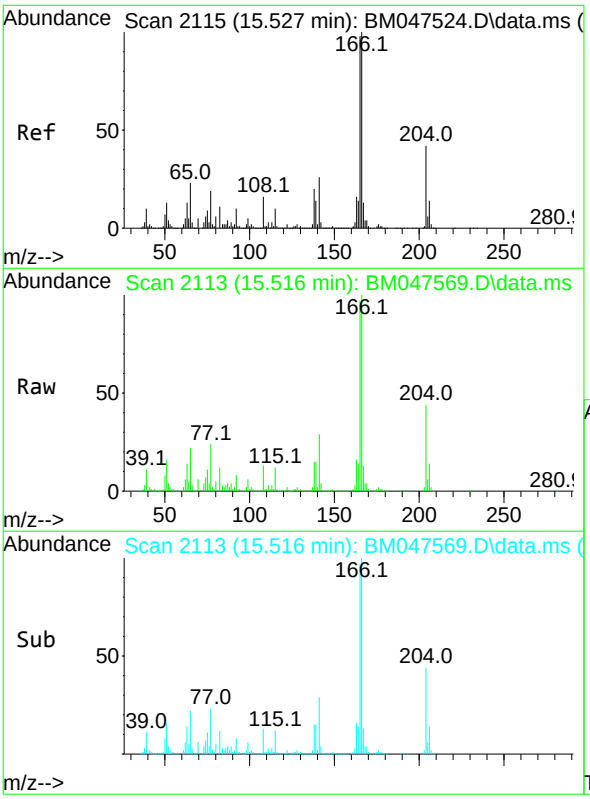
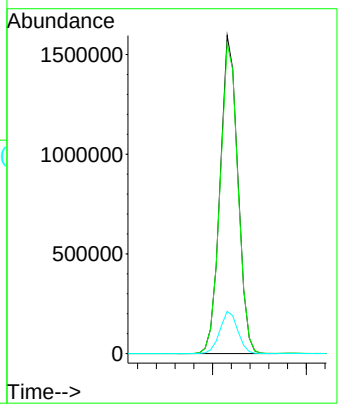
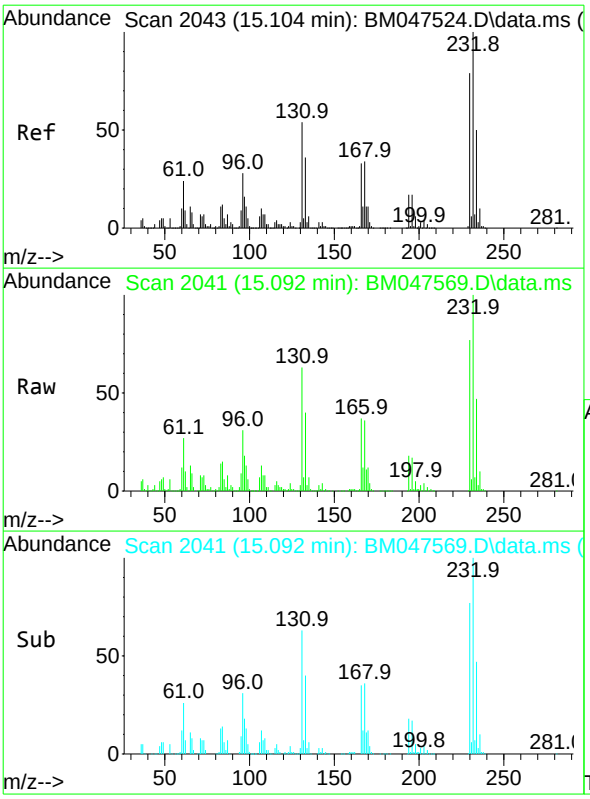



#58
Fluorene
Concen: 44.059 ng
RT: 15.516 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:166 Resp: 2088643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 78.6 | 117.8 |
| 167 | 13.3 | 10.7 | 16.1 |

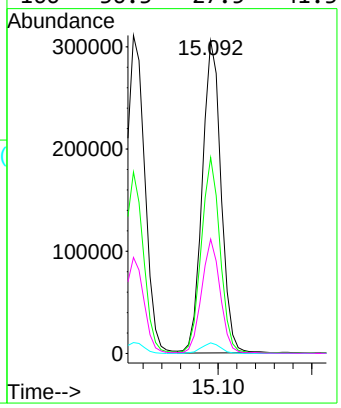





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.398 ng
RT: 15.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:232 Resp: 424887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 62.8 | 47.0 | 70.4 |
| 130 | 3.5 | 2.6 | 3.8 |
| 166 | 36.3 | 27.5 | 41.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

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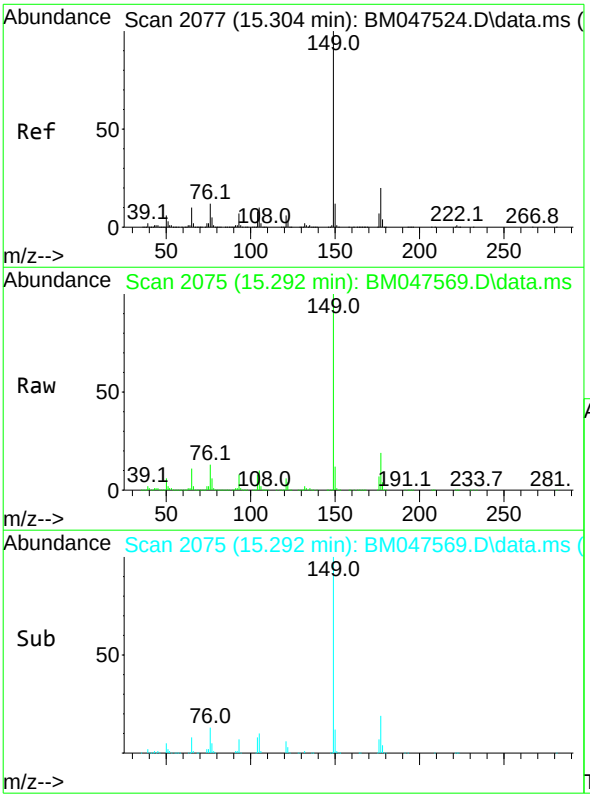
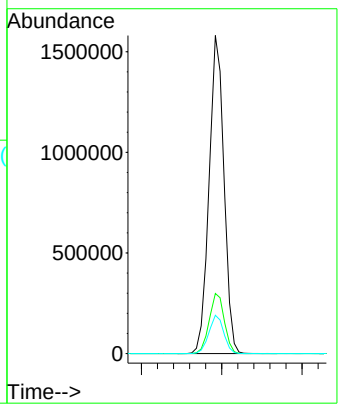
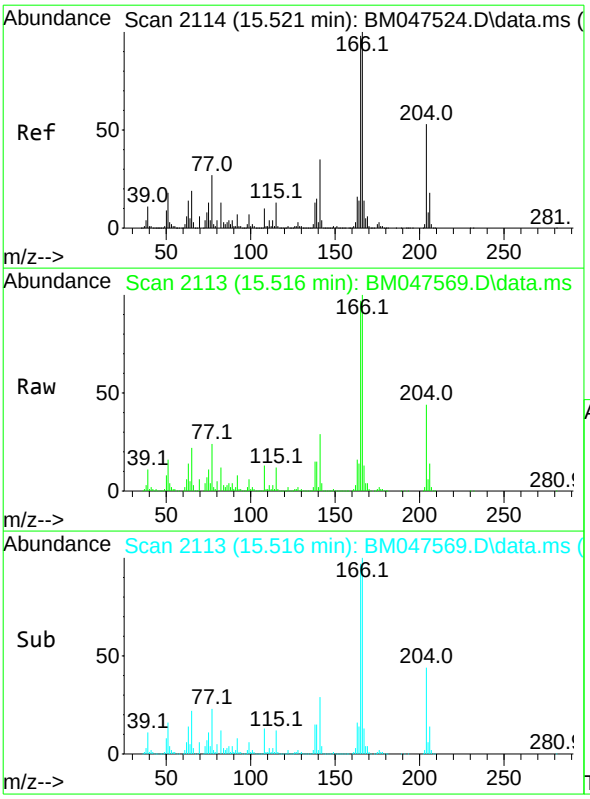



#60
Diethylphthalate
Concen: 45.676 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 2032402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 18.9 | 15.8 | 23.8 |
| 150 | 12.1 | 9.7 | 14.5 |






#61
4-Chlorophenyl-phenylether
Concen: 41.858 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

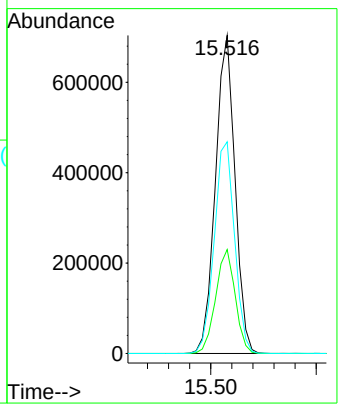
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

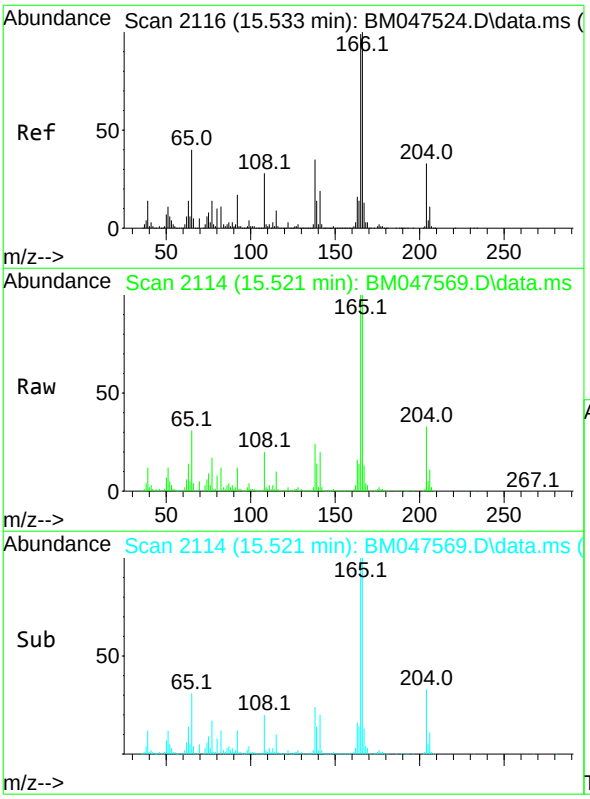
Tgt Ion:204 Resp: 907298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.5 | 39.7 |
| 141 | 66.6 | 52.1 | 78.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

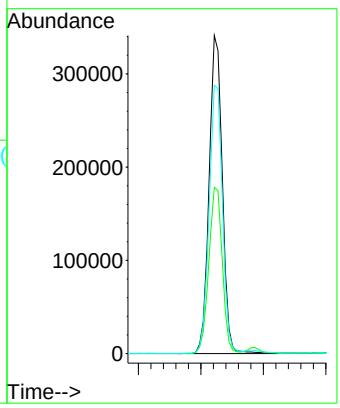


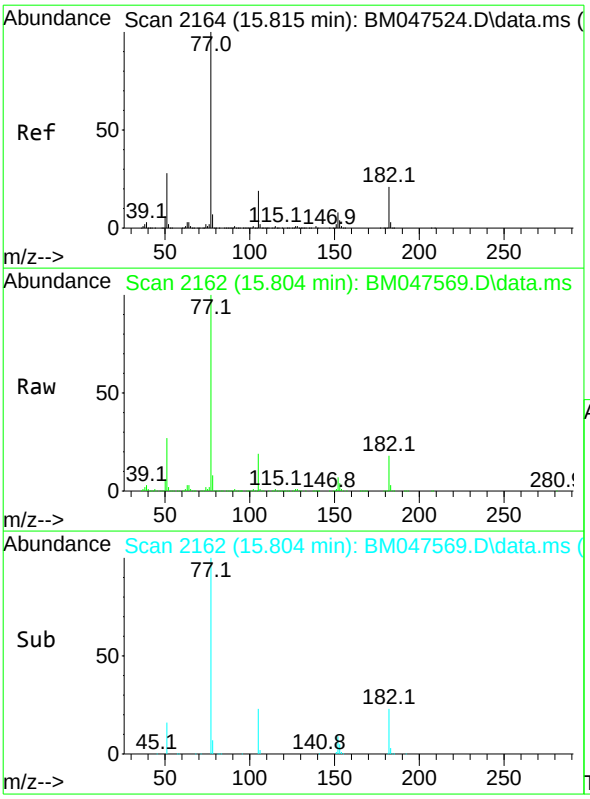




#62
4-Nitroaniline
Concen: 43.457 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:138 Resp: 501117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.3 | 30.0 | 70.0 |
| 108 | 84.4 | 61.7 | 101.7 |

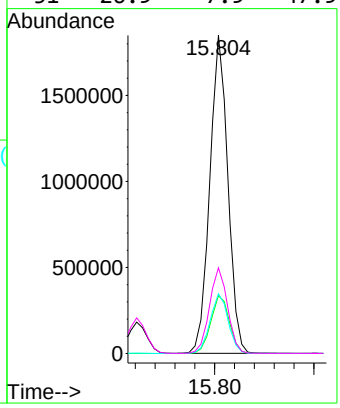





#63
Azobenzene
Concen: 47.573 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion: 77 Resp: 2330821

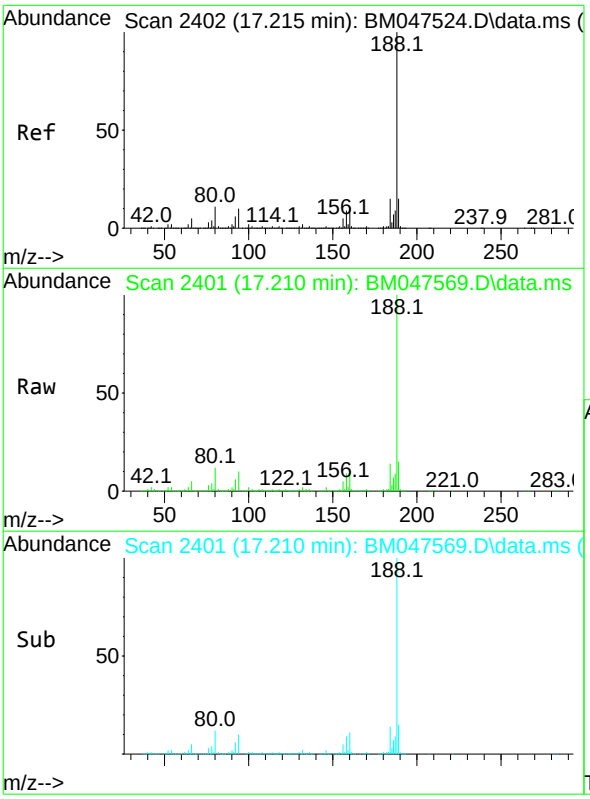
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 18.2 | 1.2 | 41.2 |
| 105 | 18.8 | 0.0 | 39.4 |
| 51 | 26.9 | 7.9 | 47.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

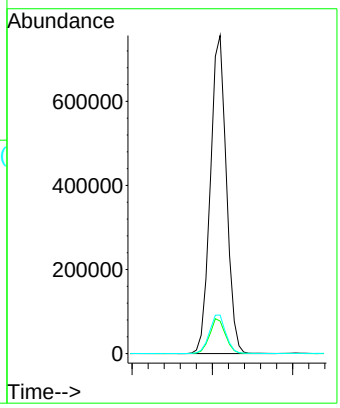
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

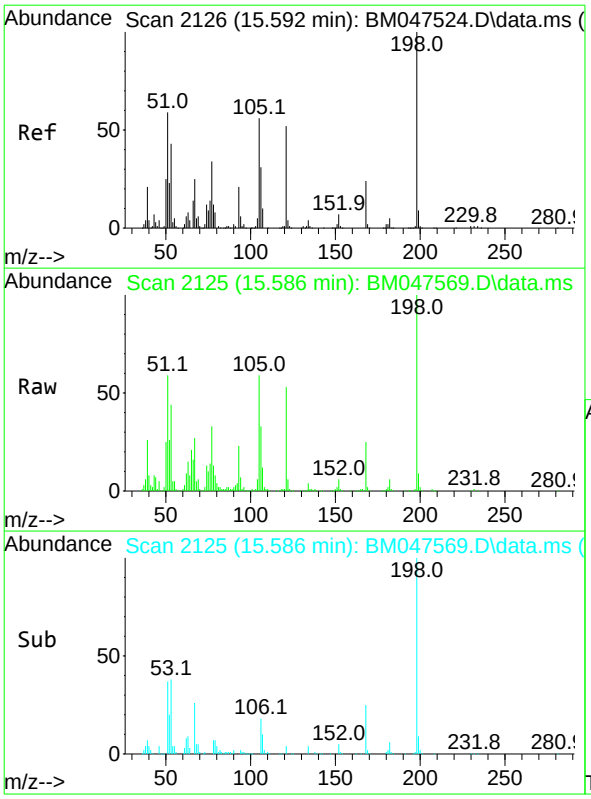



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:188 Resp: 1048553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.4 | 12.6 |
| 80 | 12.1 | 9.1 | 13.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 44.877 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

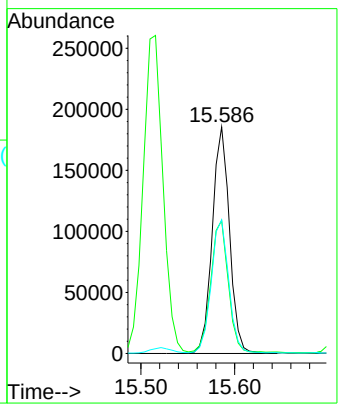
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

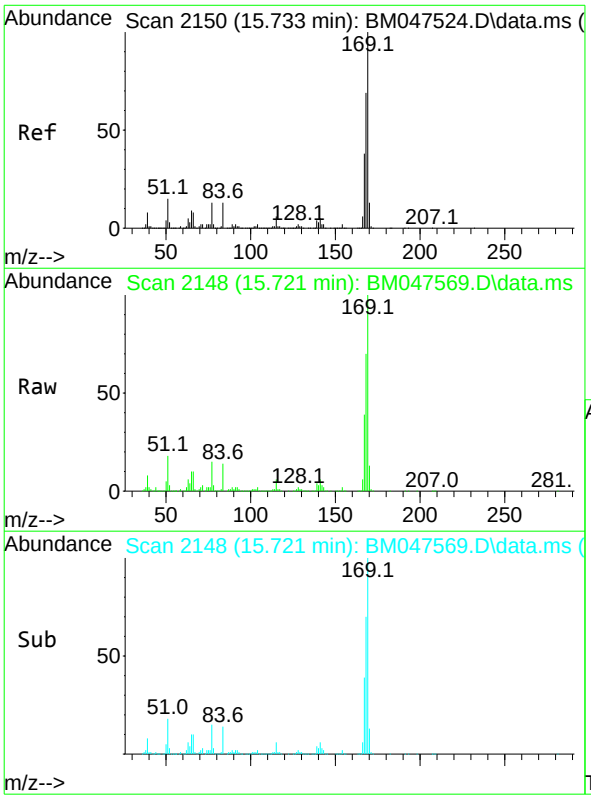
Tgt Ion:198 Resp: 236745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 58.7 | 41.5 | 81.5 |
| 105 | 59.0 | 36.4 | 76.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

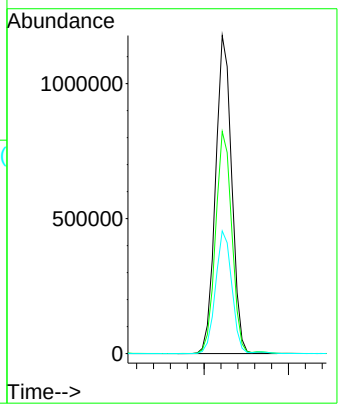


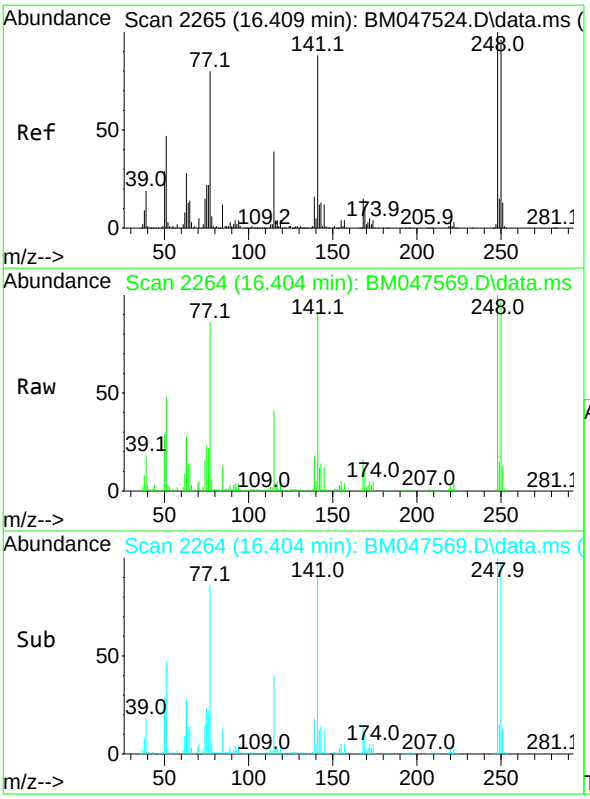




#66
n-Nitrosodiphenylamine
Concen: 48.797 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:169 Resp: 1565272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 69.8 | 55.3 | 82.9 |
| 167 | 38.6 | 30.5 | 45.7 |






#67
4-Bromophenyl-phenylether
Concen: 44.762 ng
RT: 16.404 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:248 Resp: 456056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 76.9 | 115.3 |
| 141 | 91.0 | 70.8 | 106.2 |

**Manual Integrations**
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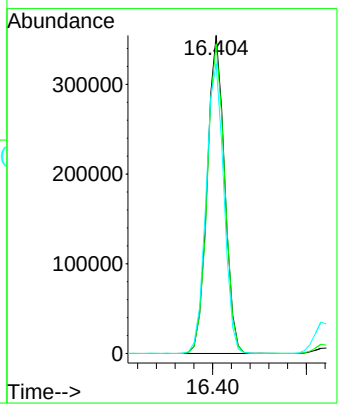
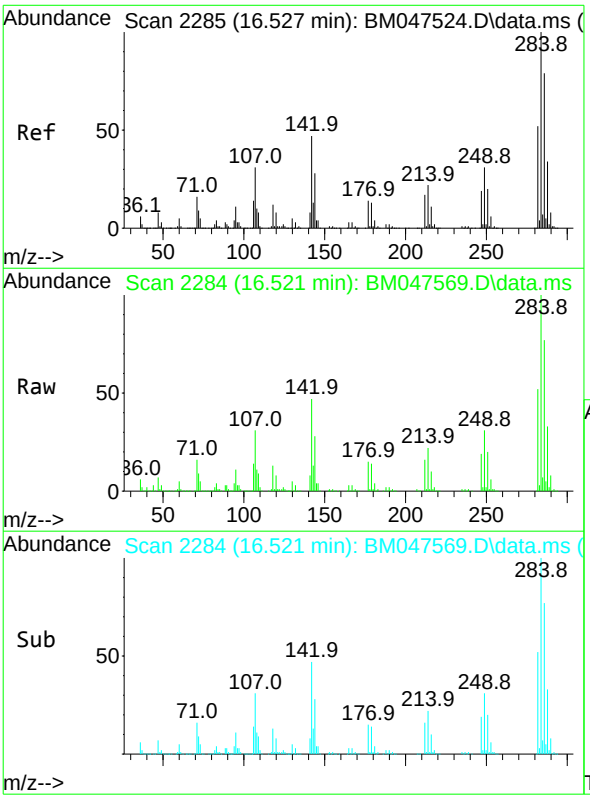
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

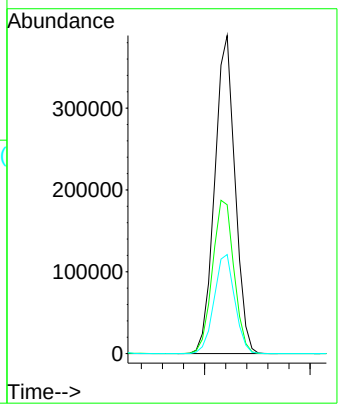


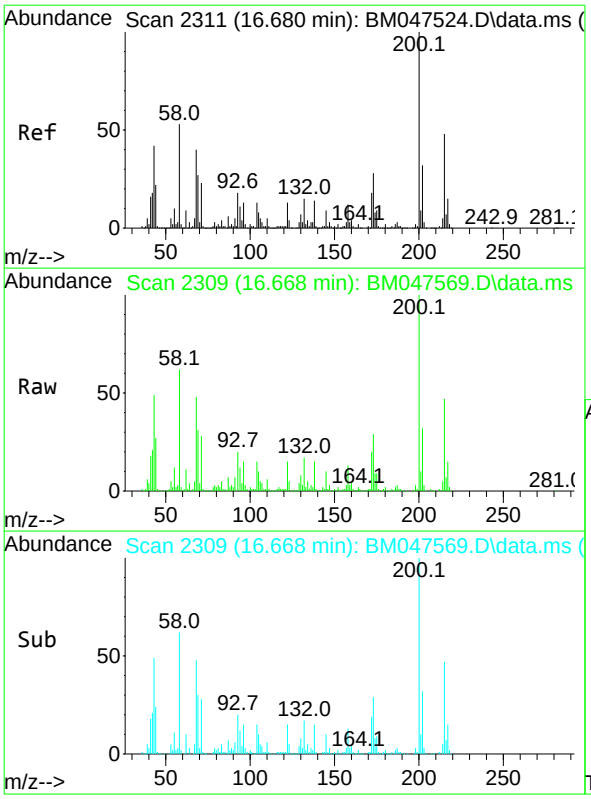




#68
Hexachlorobenzene
Concen: 45.080 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:284 Resp: 520321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 46.8 | 37.3 | 55.9 |
| 249 | 31.1 | 24.5 | 36.7 |






#69
Atrazine
Concen: 52.091 ng
RT: 16.668 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:200 Resp: 461837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.9 | 7.7 | 47.7 |
| 215 | 47.5 | 27.9 | 67.9 |

**Manual Integrations**
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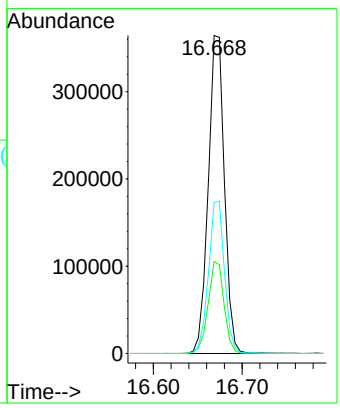
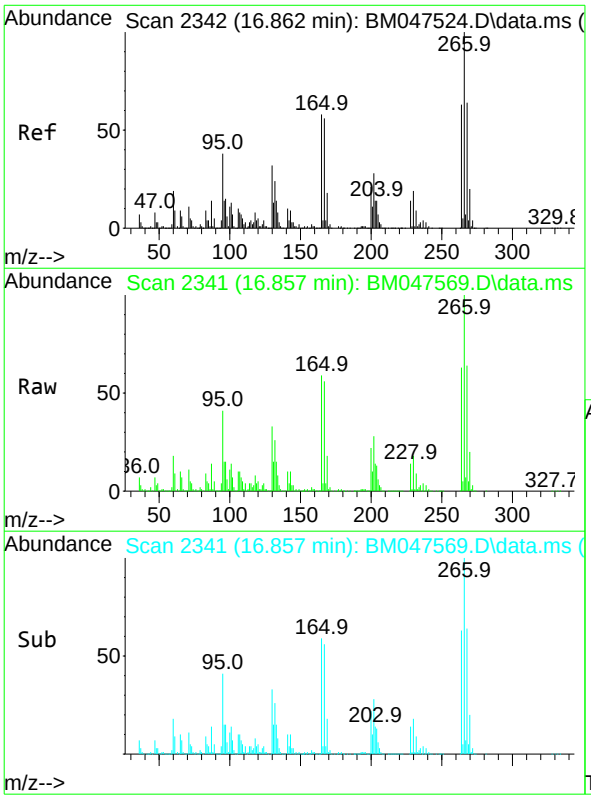
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

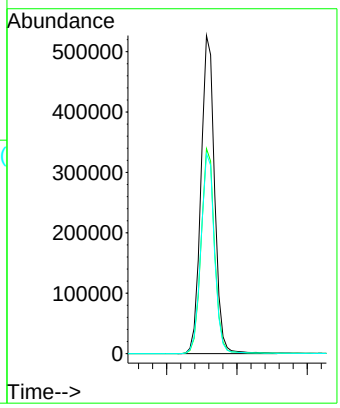


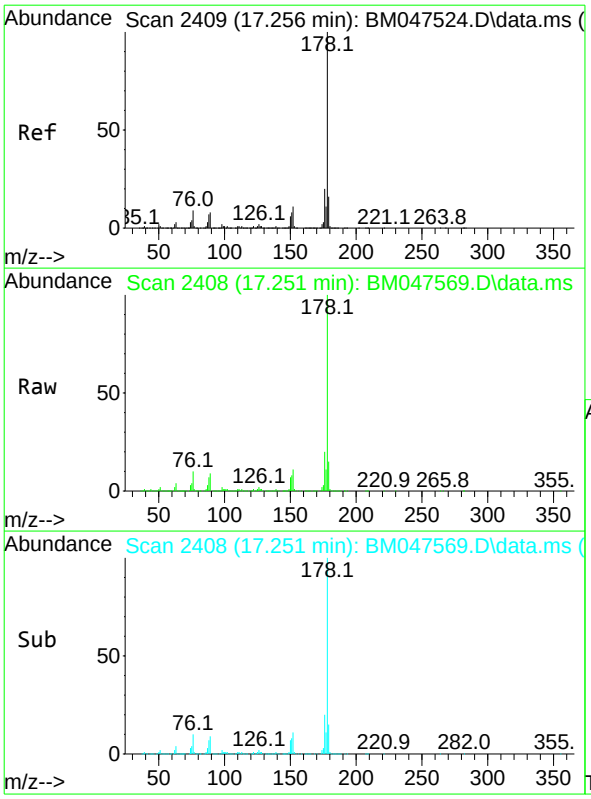




#70
Pentachlorophenol
Concen: 105.917 ng
RT: 16.857 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:266 Resp: 708658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 51.0 | 76.4 |
| 264 | 62.8 | 50.4 | 75.6 |

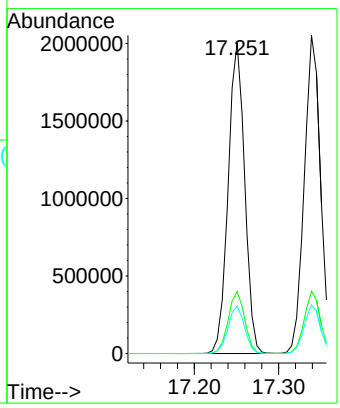





#71
Phenanthrene
Concen: 47.134 ng
RT: 17.251 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:178 Resp: 2723635

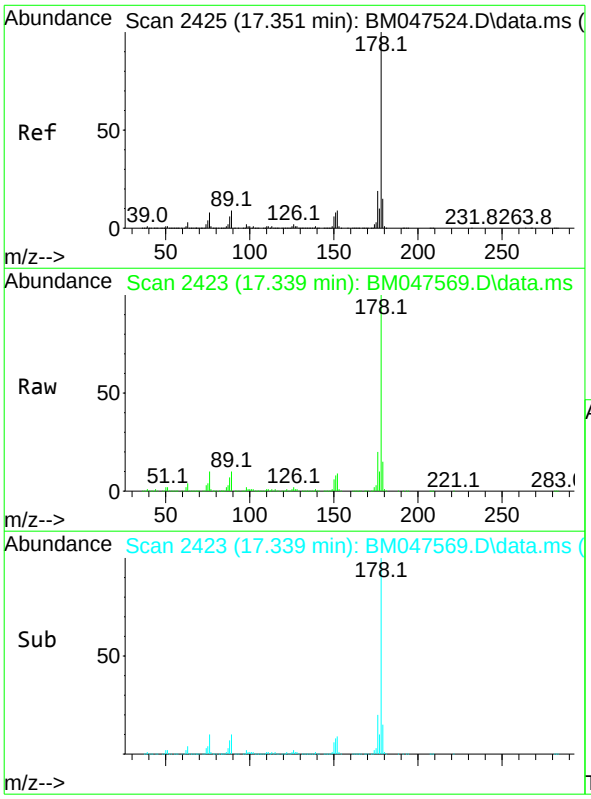
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.0 | 24.0 |
| 179 | 15.3 | 12.4 | 18.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

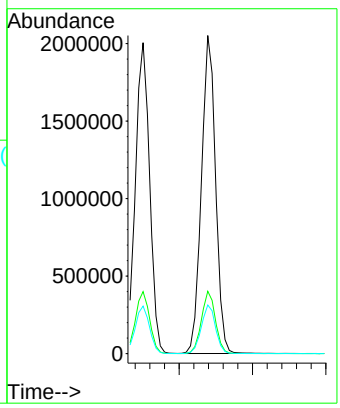
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

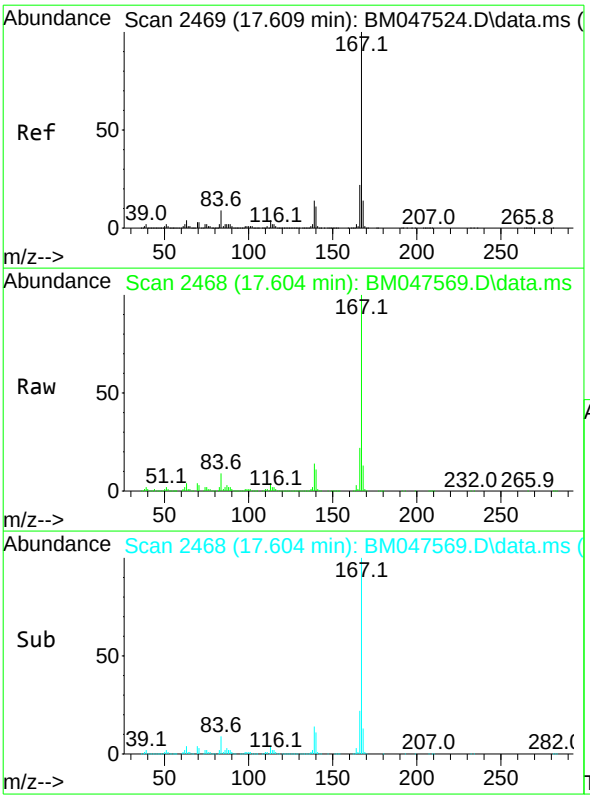



#72
Anthracene
Concen: 49.502 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:178 Resp: 2748272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.0 |
| 179 | 15.3 | 12.3 | 18.5 |






#73
Carbazole
Concen: 46.799 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

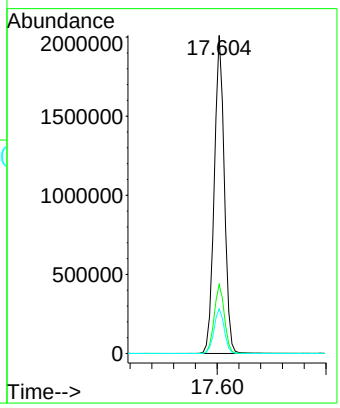
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

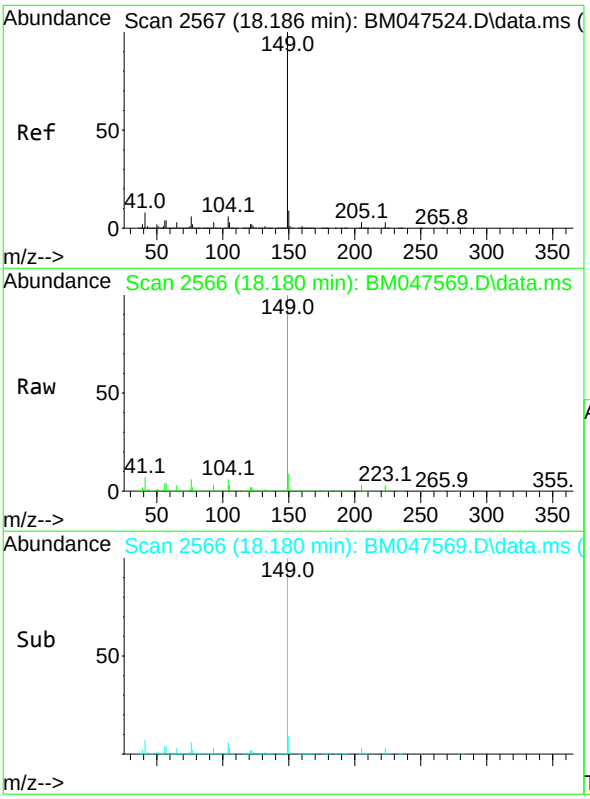
Tgt Ion:167 Resp: 2574886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.8 | 26.8 |
| 139 | 14.1 | 11.0 | 16.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

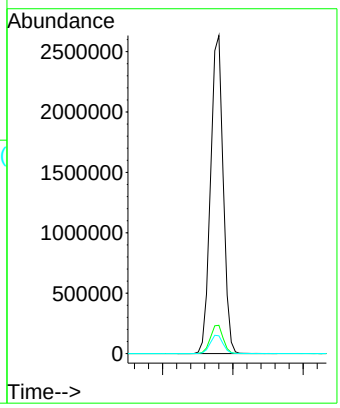


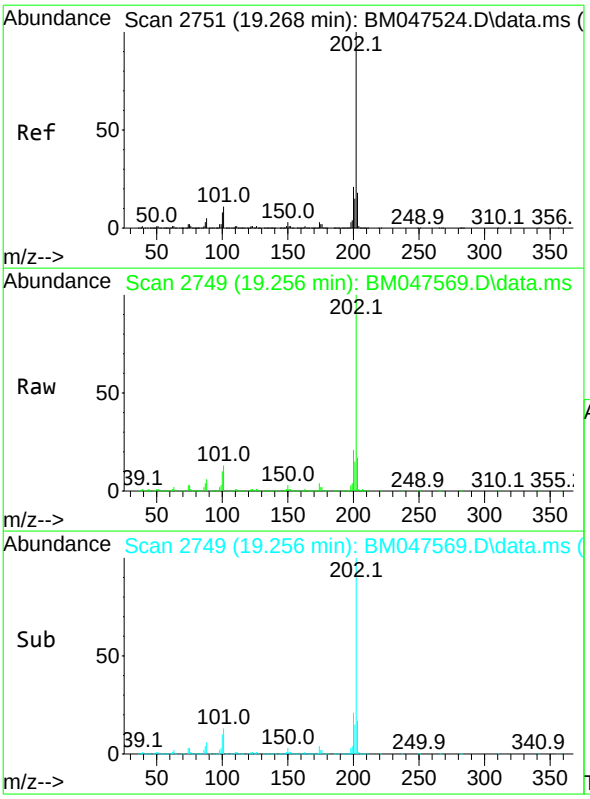




#74
Di-n-butylphthalate
Concen: 49.847 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 3281482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.4 | 11.2 |
| 104 | 5.6 | 4.6 | 6.8 |

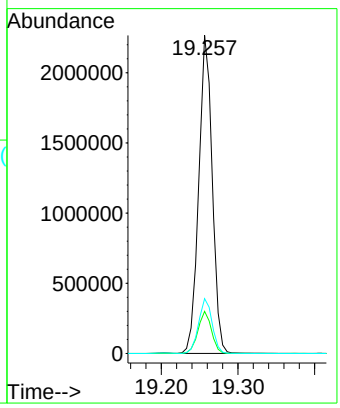





#75
Fluoranthene
Concen: 43.979 ng
RT: 19.256 min Scan# 27
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:202 Resp: 2772764

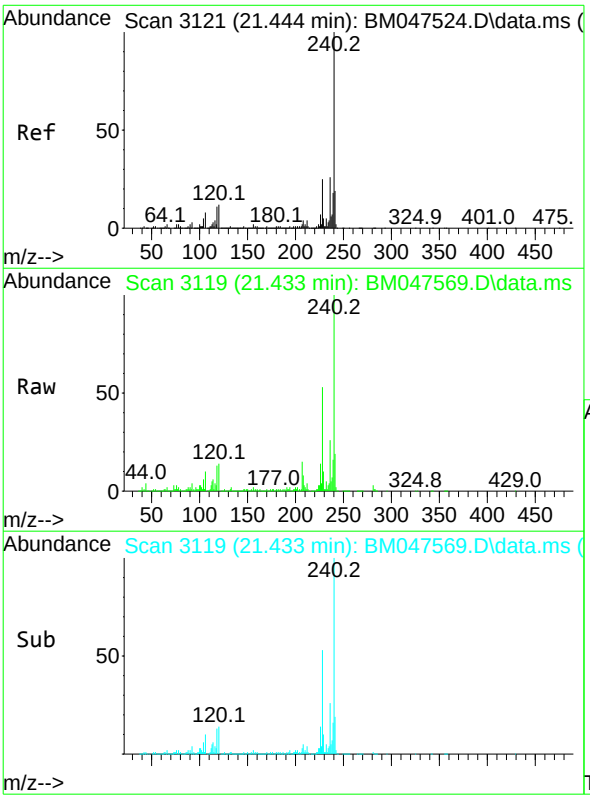
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 0.0 | 30.8 |
| 203 | 17.2 | 0.0 | 37.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

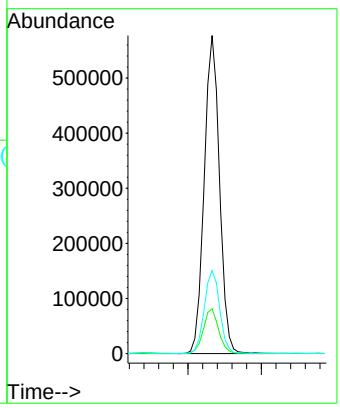
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

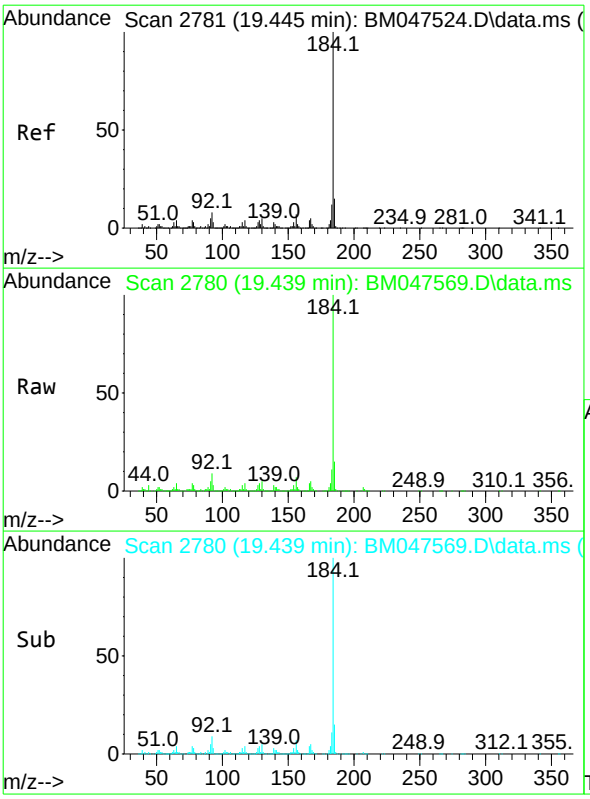



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:240 Resp: 835988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.1 | 9.6 | 14.4 |
| 236 | 26.1 | 20.9 | 31.3 |






#77
Benzidine
Concen: 88.491 ng
RT: 19.439 min Scan# 27
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

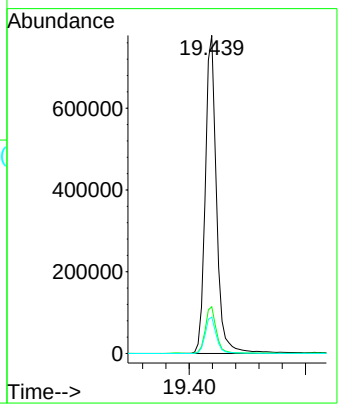
Tgt Ion:184 Resp: 1041881

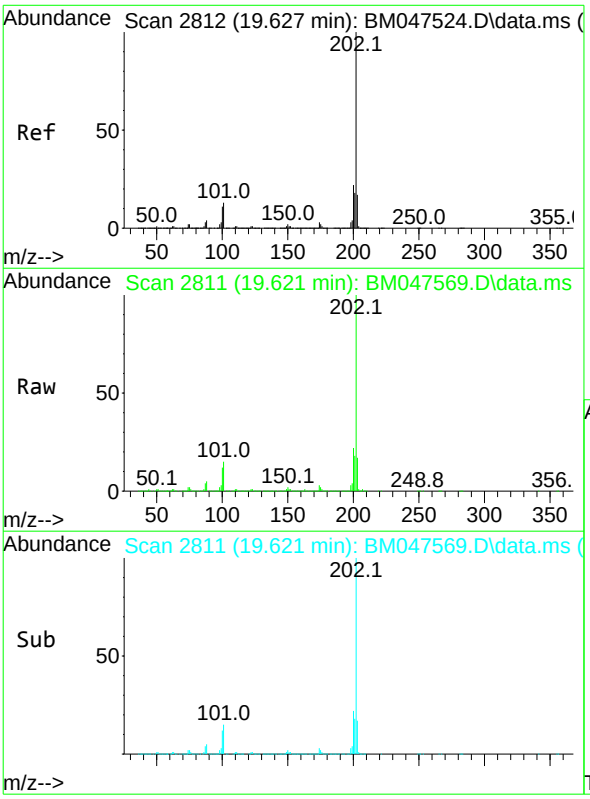
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 12.2 | 18.2 |
| 183 | 11.4 | 9.6 | 14.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

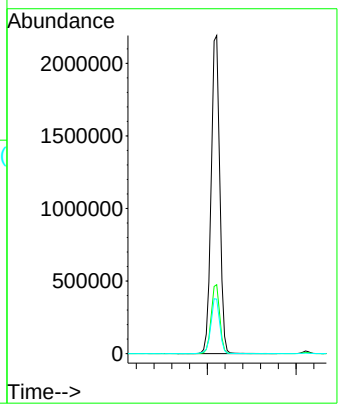


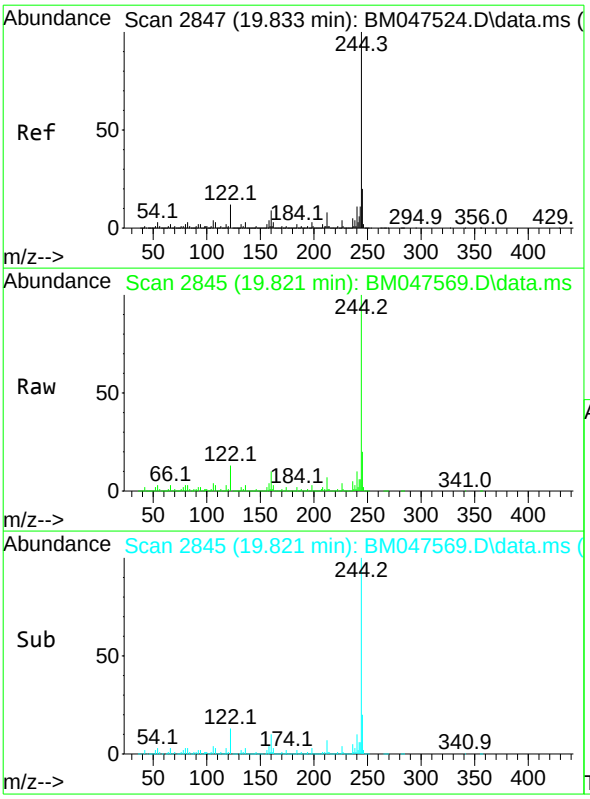




#78
Pyrene
Concen: 48.256 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:202 Resp: 2942597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 17.2 | 25.8 |
| 203 | 17.1 | 14.0 | 21.0 |






#79
Terphenyl-d14
Concen: 113.202 ng
RT: 19.821 min Scan# 28
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

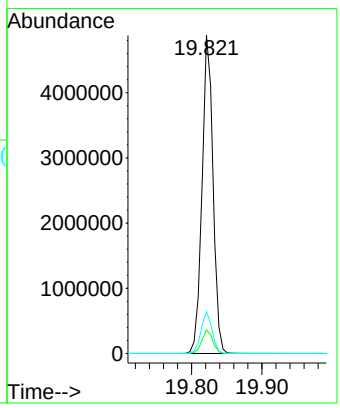
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

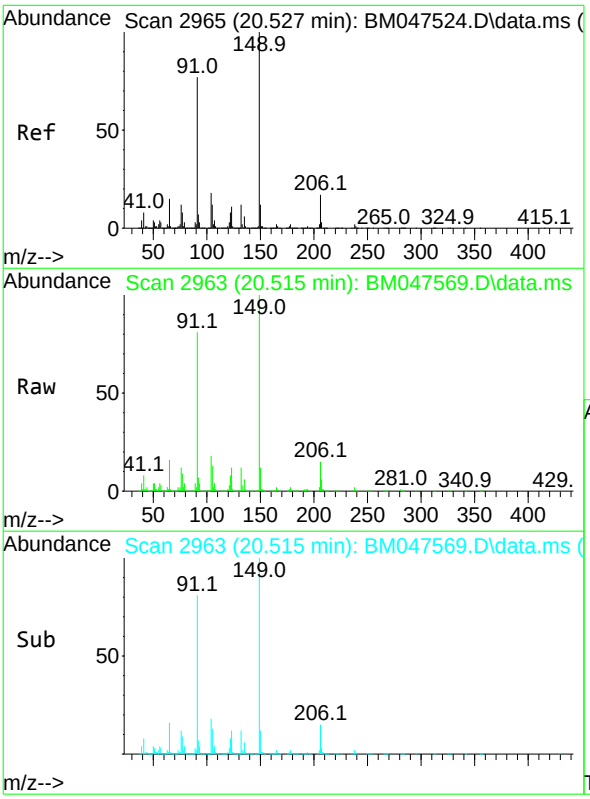
Tgt Ion:244 Resp: 5281167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.2 | 9.2 |
| 122 | 13.1 | 9.6 | 14.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

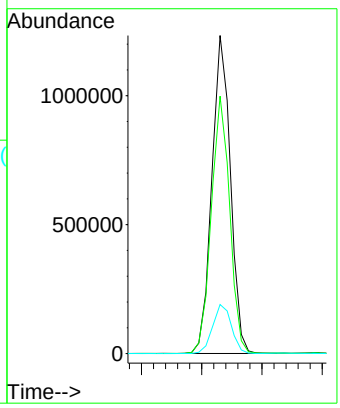


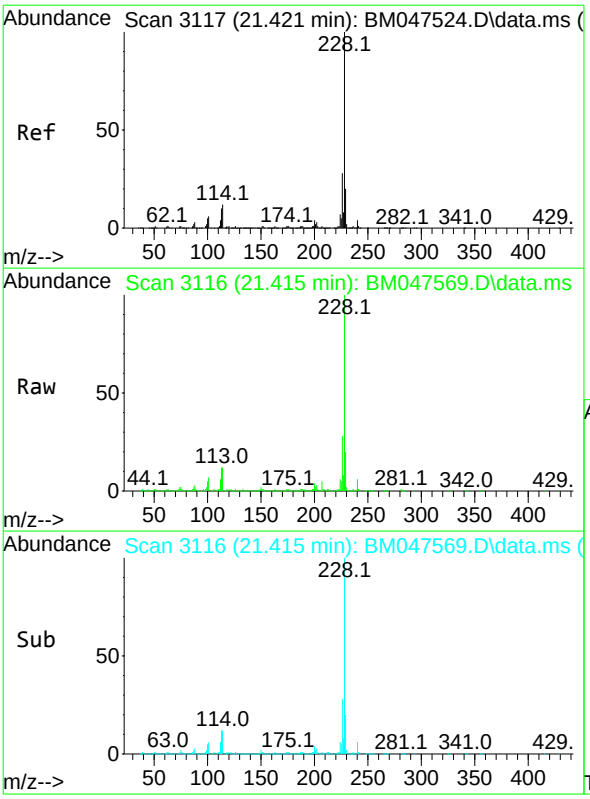




#80
Butylbenzylphthalate
Concen: 56.247 ng
RT: 20.515 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 1320356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 80.9 | 62.0 | 93.0 |
| 206 | 15.4 | 13.8 | 20.8 |






#81
Benzo(a)anthracene
Concen: 49.105 ng
RT: 21.415 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:228 Resp: 2675714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 22.4 | 33.6 |
| 229 | 19.7 | 16.0 | 24.0 |

**Manual Integrations**
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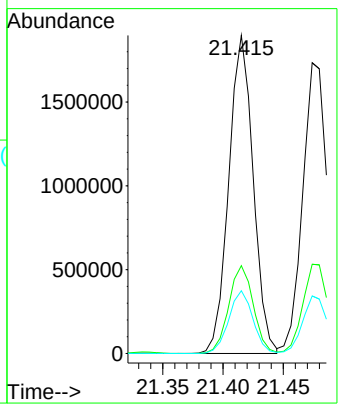
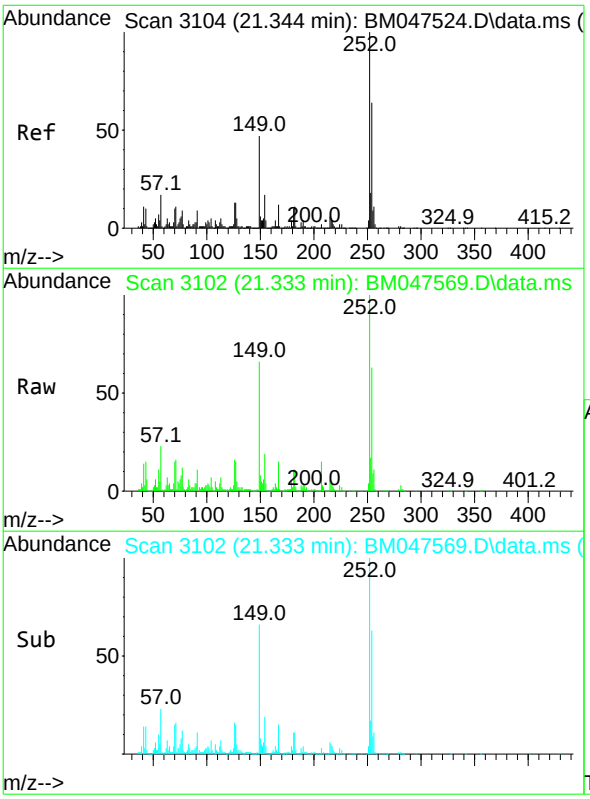
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

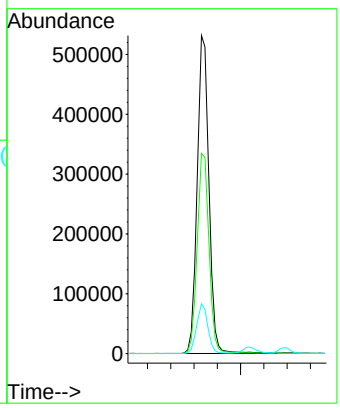


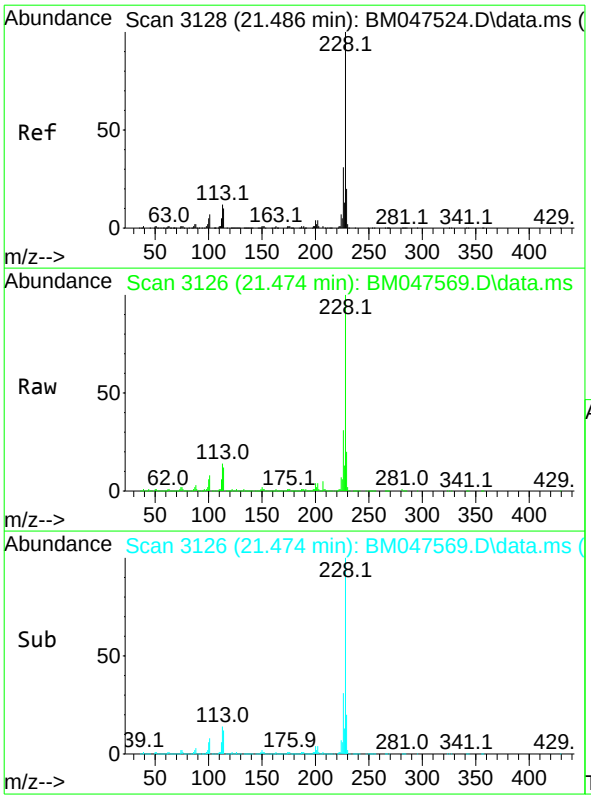




#82
3,3'-Dichlorobenzidine
Concen: 51.351 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 744323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.0 | 51.5 | 77.3 |
| 126 | 15.6 | 10.3 | 15.5# |

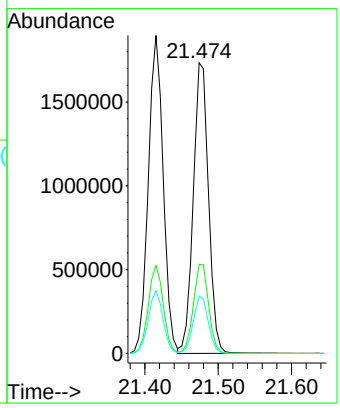





#83
Chrysene
Concen: 48.559 ng
RT: 21.474 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:228 Resp: 2502737

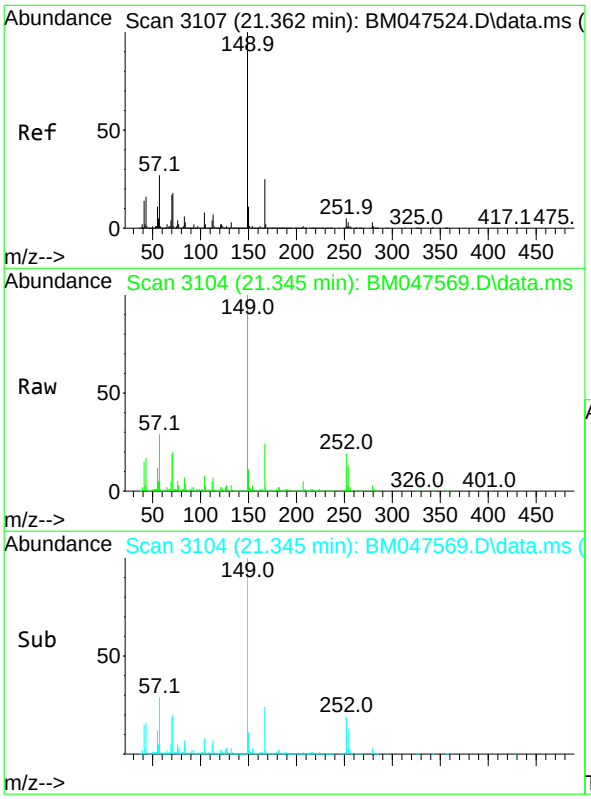
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 25.0 | 37.6 |
| 229 | 19.8 | 15.9 | 23.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

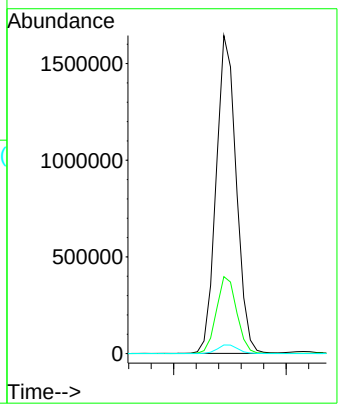
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

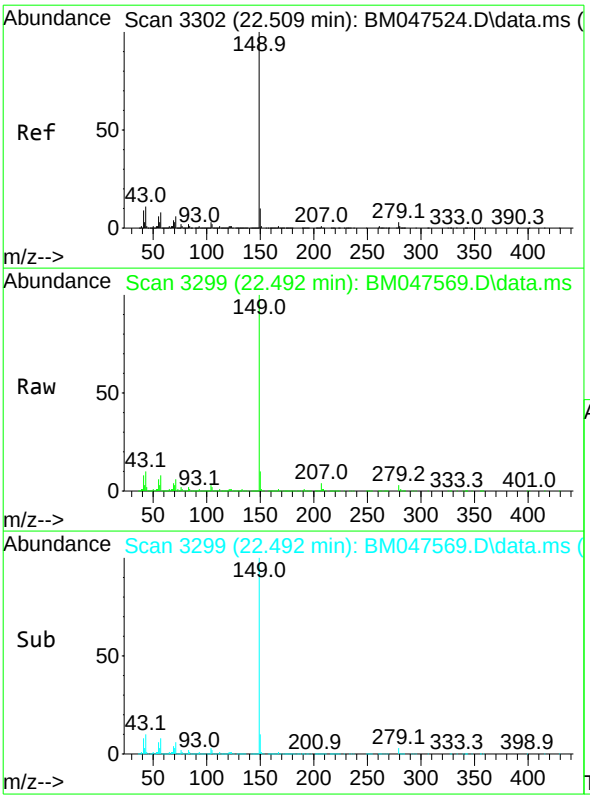



#84
Bis(2-ethylhexyl)phthalate
Concen: 55.465 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:149 Resp: 2039617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.2 | 20.2 | 30.4 |
| 279 | 2.7 | 2.6 | 4.0 |






#85
Di-n-octyl phthalate
Concen: 61.023 ng
RT: 22.492 min Scan# 32
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

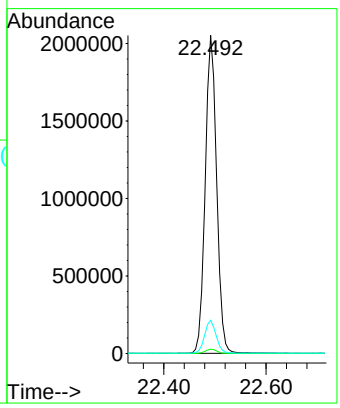
Tgt Ion:149 Resp: 3174143

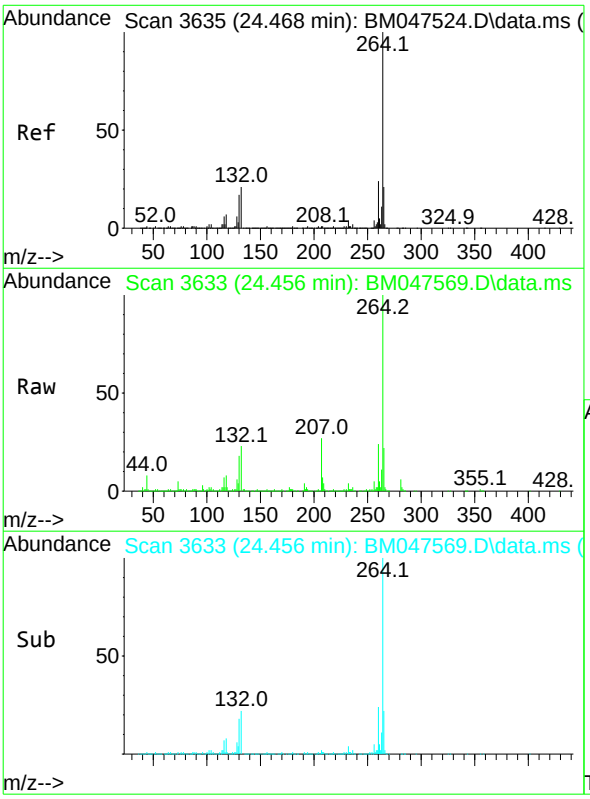
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.1 | 1.7 |
| 43 | 10.4 | 8.9 | 13.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

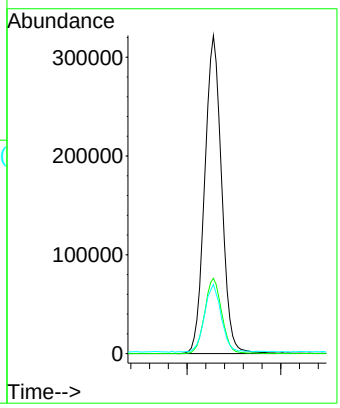


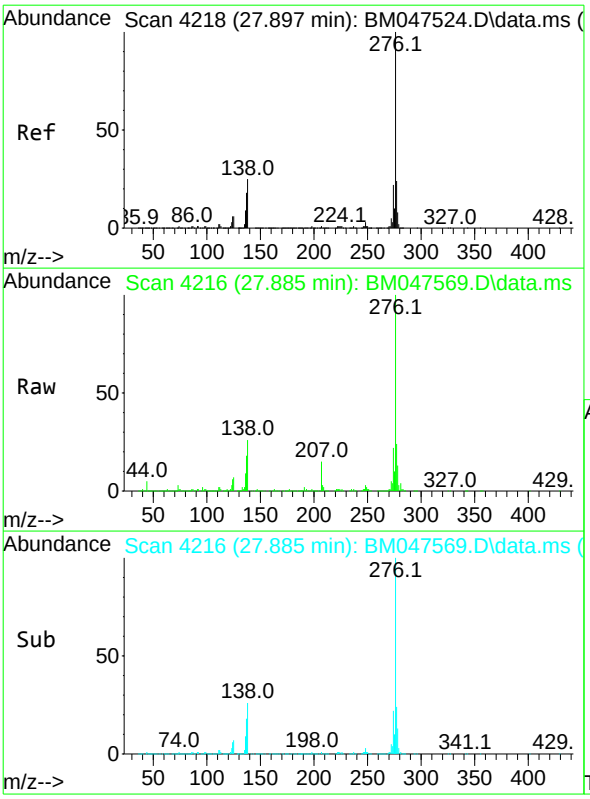




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3633
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:264 Resp: 806711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.9 | 28.3 |
| 265 | 21.8 | 17.4 | 26.2 |






#87
Indeno(1,2,3-cd)pyrene
Concen: 63.640 ng
RT: 27.885 min Scan# 42
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

Tgt Ion:276 Resp: 3072358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.7 | 25.0 | 37.6 |
| 277 | 24.9 | 20.1 | 30.1 |

**Manual Integrations**
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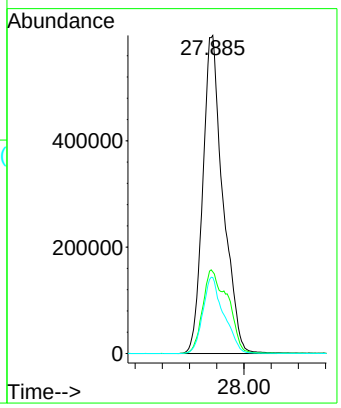
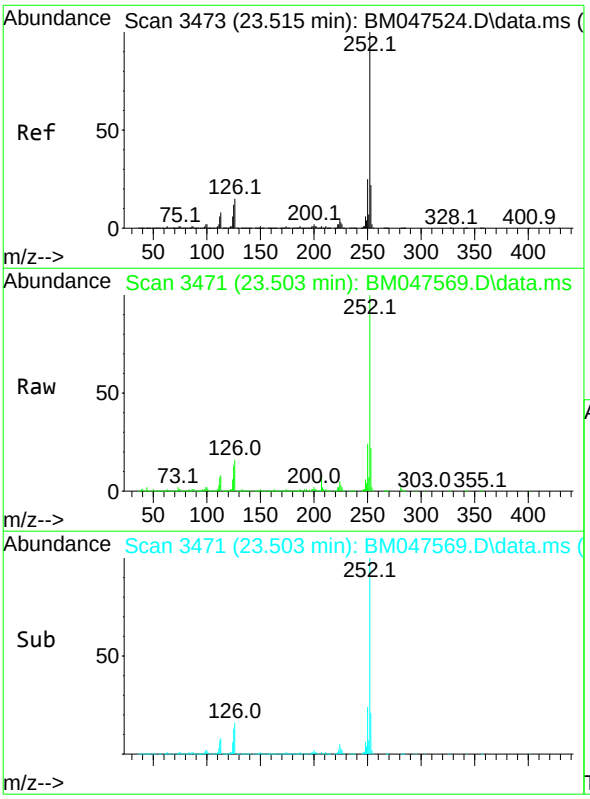
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

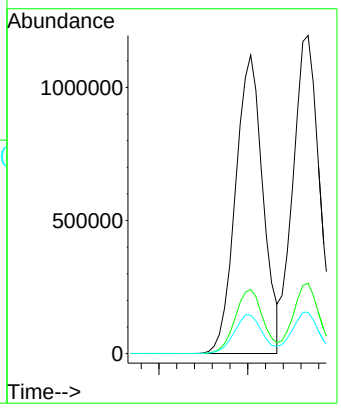


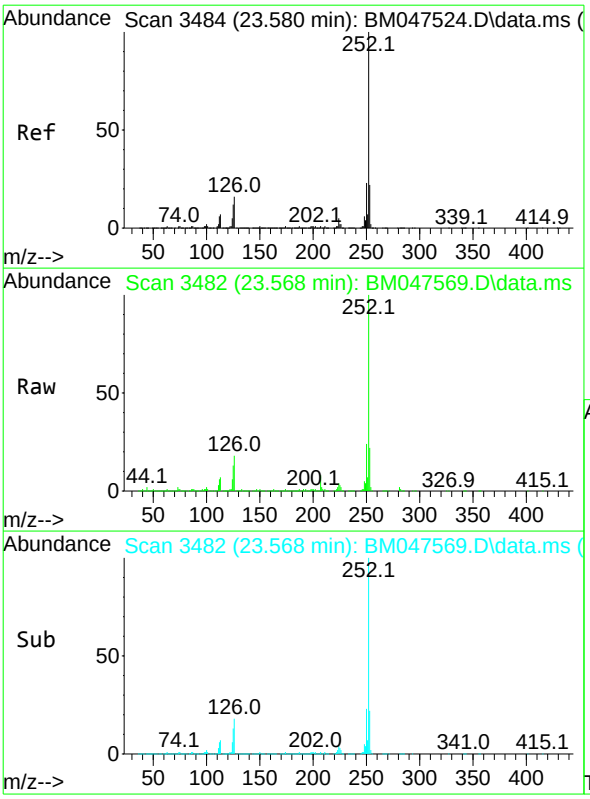




#88
Benzo(b)fluoranthene
Concen: 46.105 ng
RT: 23.503 min Scan# 3471
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 2406481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.8 |
| 125 | 12.9 | 9.5 | 14.3 |






#89
Benzo(k)fluoranthene
Concen: 47.996 ng
RT: 23.568 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 2482785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.6 |
| 125 | 13.0 | 9.5 | 14.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

**Manual Integrations**
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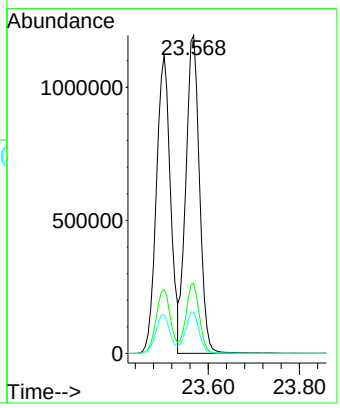
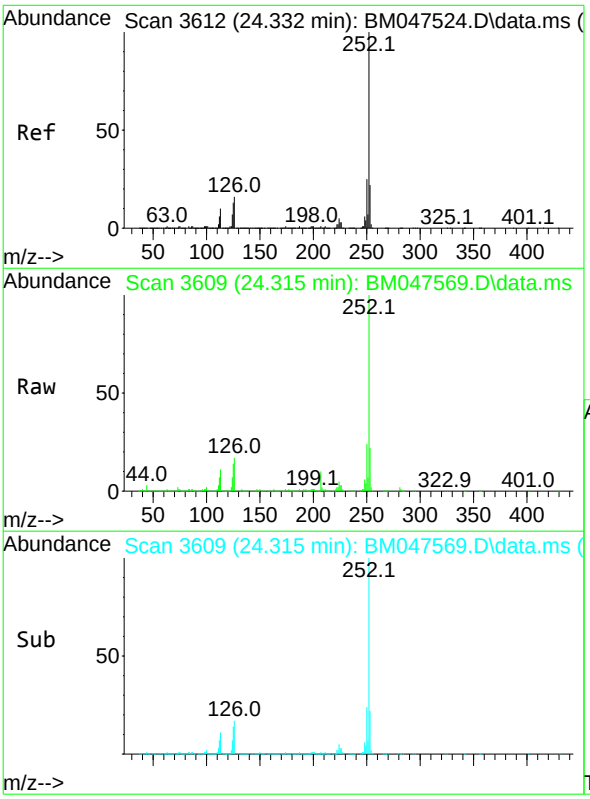
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

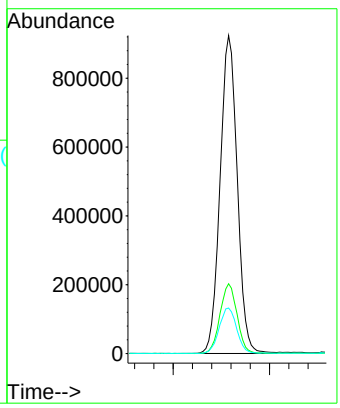


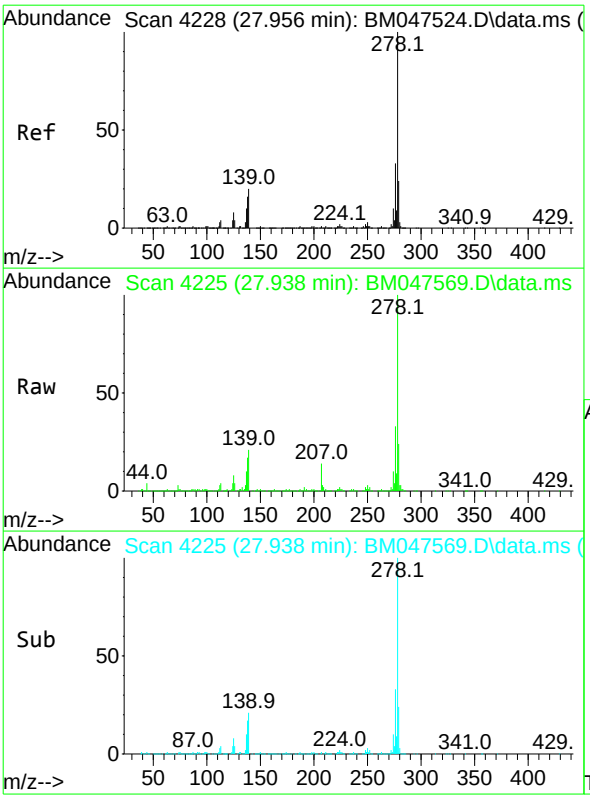




#90
Benzo(a)pyrene
Concen: 53.357 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:252 Resp: 2282601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 14.3 | 10.2 | 15.4 |






#91
Dibenzo(a,h)anthracene
Concen: 62.958 ng
RT: 27.938 min Scan# 42
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

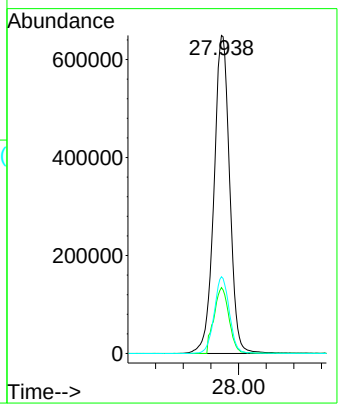
**Instrument :**
BNA_M
**ClientSampleId :**
PB163318BSD

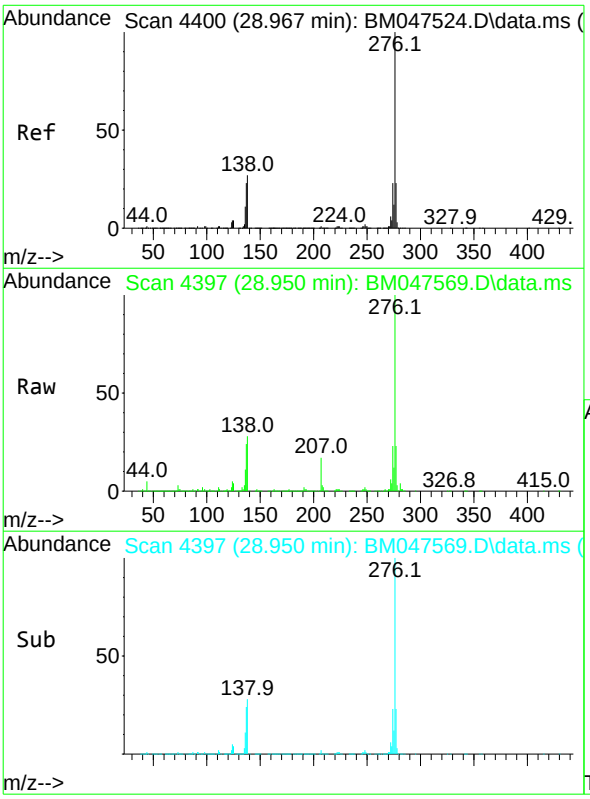
Tgt Ion:278 Resp: 2557213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.7 | 15.9 | 23.9 |
| 279 | 24.1 | 19.3 | 28.9 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024

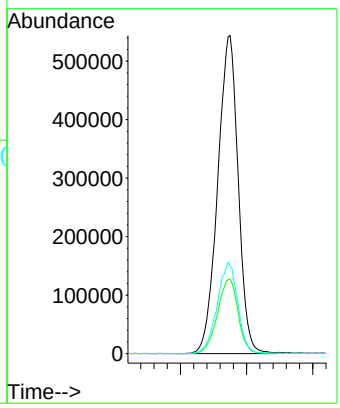



#92
Benzo(g,h,i)perylene
Concen: 58.988 ng
RT: 28.950 min Scan# 4397
Delta R.T. -0.017 min
Lab File: BM047569.D
Acq: 19 Sep 2024 13:54

Tgt Ion:276 Resp: 2340478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.6 | 28.0 |
| 138 | 27.6 | 21.5 | 32.3 |



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# Manual Integration Report

| Sequence: | BF091324 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICCC040 | BF139349.D | Aniline | yogesh | 9/16/2024 1:23:42 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |
| SSTDICC050 | BF139350.D | Aniline | yogesh | 9/16/2024 1:23:46 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |
| SSTDICC060 | BF139351.D | Aniline | yogesh | 9/16/2024 1:23:50 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |
| SSTDICC060 | BF139351.D | Benzoic acid | yogesh | 9/16/2024 1:23:50 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |
| SSTDICC080 | BF139352.D | Benzoic acid | yogesh | 9/16/2024 1:23:53 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |
| SSTDICC080 | BF139352.D | bis(2-Chloroethyl)ether | yogesh | 9/16/2024 1:23:53 AM | mohammad | 9/16/2024 2:17:37 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF091624 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | BM091424 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BM047521.D | Benzaldehyde | yogesh | 9/16/2024 1:24:56 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC010 | BM047522.D | Benzaldehyde | yogesh | 9/16/2024 1:24:59 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC010 | BM047522.D | Benzoic acid | yogesh | 9/16/2024 1:24:59 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC010 | BM047522.D | Caprolactam | yogesh | 9/16/2024 1:24:59 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICCC040 | BM047524.D | Pyridine | yogesh | 9/16/2024 1:25:03 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC050 | BM047525.D | Pyridine | yogesh | 9/16/2024 1:25:05 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC060 | BM047526.D | Pyridine | yogesh | 9/16/2024 1:25:08 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC080 | BM047527.D | Caprolactam | yogesh | 9/16/2024 1:25:12 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICC080 | BM047527.D | Pyridine | yogesh | 9/16/2024 1:25:12 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICV040 | BM047528.D | 2,2"-oxybis(1-Chloropropane) | yogesh | 9/16/2024 1:25:15 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |
| SSTDICV040 | BM047528.D | Pyridine | yogesh | 9/16/2024 1:25:15 AM | mohammad | 9/17/2024 2:00:30 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BM091924 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BM047566.D | Pyridine | Jagrut | 9/20/2024 4:22:12 PM | mohammad | 9/22/2024 12:55:48 AM | Peak Integrated by Software |
| PB163318BS | BM047568.D | Acenaphthene | Jagrut | 9/20/2024 4:22:14 PM | mohammad | 9/22/2024 12:55:48 AM | Peak Integrated by Software |
| PB163318BS | BM047568.D | Caprolactam | Jagrut | 9/20/2024 4:22:14 PM | mohammad | 9/22/2024 12:55:48 AM | Peak Integrated by Software |
| PB163318BSD | BM047569.D | Acenaphthene | Jagrut | 9/20/2024 4:22:16 PM | mohammad | 9/22/2024 12:55:48 AM | Peak Integrated by Software |
| PB163318BSD | BM047569.D | Caprolactam | Jagrut | 9/20/2024 4:22:16 PM | mohammad | 9/22/2024 12:55:48 AM | Peak Integrated by Software |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF091324

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/16/2024 1:24:18 AM | | | | |
| Supervise By | mohammad | Supervise On | 9/16/2024 2:17:37 AM | | | | |
| SubDirectory | BF091324 | HP Acquire Method | BNA_F | | HP Processing Method | bf091324 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |
| CCC | SP6591 |
| Internal Standard/PEM | S12314,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF139344.D | 13 Sep 2024 14:04 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF139345.D | 13 Sep 2024 14:32 | RC/JU | Ok |
| 3 | SSTDICC005 | BF139346.D | 13 Sep 2024 15:00 | RC/JU | Ok |
| 4 | SSTDICC010 | BF139347.D | 13 Sep 2024 15:28 | RC/JU | Ok |
| 5 | SSTDICC020 | BF139348.D | 13 Sep 2024 15:57 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF139349.D | 13 Sep 2024 16:53 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BF139350.D | 13 Sep 2024 17:51 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BF139351.D | 13 Sep 2024 18:48 | RC/JU | Ok,M |
| 9 | SSTDICC080 | BF139352.D | 13 Sep 2024 19:44 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BF139353.D | 13 Sep 2024 20:41 | RC/JU | Ok |
| 11 | PB163259BL | BF139354.D | 13 Sep 2024 21:09 | RC/JU | Ok |
| 12 | SP6630 | BF139355.D | 13 Sep 2024 21:38 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF091624

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/17/2024 1:35:51 AM | | | | |
| Supervise By | mohammad | Supervise On | 9/19/2024 4:59:59 AM | | | | |
| SubDirectory | BF091624 | HP Acquire Method | BNA_F | | HP Processing Method | bf091324 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |
| CCC | SP6591 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF139376.D | 16 Sep 2024 10:09 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF139377.D | 16 Sep 2024 10:36 | RC/JU | Ok |
| 3 | PB163318BL | BF139378.D | 16 Sep 2024 11:04 | RC/JU | Ok |
| 4 | P3845-06 | BF139379.D | 16 Sep 2024 12:35 | RC/JU | Dilution |
| 5 | P3845-06DL | BF139380.D | 16 Sep 2024 13:13 | RC/JU | Ok |
| 6 | P3929-03 | BF139381.D | 16 Sep 2024 16:30 | RC/JU | Ok,M |
| 7 | P3929-01 | BF139382.D | 16 Sep 2024 16:58 | RC/JU | Ok,M |
| 8 | P3947-01 | BF139383.D | 16 Sep 2024 17:27 | RC/JU | Ok,M |
| 9 | P3947-01MS | BF139384.D | 16 Sep 2024 17:55 | RC/JU | Ok,M |
| 10 | P3947-01MSD | BF139385.D | 16 Sep 2024 18:23 | RC/JU | Ok |
| 11 | P3930-01 | BF139386.D | 16 Sep 2024 18:51 | RC/JU | Ok |
| 12 | P3930-02RE | BF139387.D | 16 Sep 2024 19:20 | RC/JU | Confirms |
| 13 | P3962-01 | BF139388.D | 16 Sep 2024 19:48 | RC/JU | Ok,M |
| 14 | P3976-01 | BF139389.D | 16 Sep 2024 20:16 | RC/JU | Ok,M |
| 15 | P3979-01 | BF139390.D | 16 Sep 2024 20:44 | RC/JU | Ok,M |
| 16 | P3980-01 | BF139391.D | 16 Sep 2024 21:12 | RC/JU | Dilution |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM091424

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/16/2024 1:25:35 AM | | | | |
| Supervise By | mohammad | Supervise On | 9/17/2024 2:00:30 AM | | | | |
| SubDirectory | BM091424 | HP Acquire Method | BNA_M | | HP Processing Method | BM091424 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628 |
| CCC | SP6624 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM047519.D | 14 Sep 2024 11:17 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BM047520.D | 14 Sep 2024 11:57 | RC/JU | Ok |
| 3 | SSTDICC005 | BM047521.D | 14 Sep 2024 12:36 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BM047522.D | 14 Sep 2024 13:16 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BM047523.D | 14 Sep 2024 13:55 | RC/JU | Ok |
| 6 | SSTDICCC040 | BM047524.D | 14 Sep 2024 14:35 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BM047525.D | 14 Sep 2024 15:14 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BM047526.D | 14 Sep 2024 15:54 | RC/JU | Ok,M |
| 9 | SSTDICC080 | BM047527.D | 14 Sep 2024 16:34 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BM047528.D | 14 Sep 2024 17:53 | RC/JU | Ok,M |
| 11 | PB163160BL | BM047529.D | 14 Sep 2024 18:32 | RC/JU | Ok |
| 12 | PB163160BS | BM047530.D | 14 Sep 2024 19:12 | RC/JU | Ok,M |
| 13 | PB163160BSD | BM047531.D | 14 Sep 2024 19:51 | RC/JU | Ok,M |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM091924

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 9/20/2024 4:22:41 PM | | | | |
| Supervise By | mohammad | Supervise On | 9/22/2024 12:55:48 AM | | | | |
| SubDirectory | BM091924 | HP Acquire Method | BNA_M | | HP Processing Method | BM091424 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628 |
| CCC | SP6624 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM047565.D | 19 Sep 2024 08:54 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM047566.D | 19 Sep 2024 11:49 | RC/JU | Ok,M |
| 3 | PB163318BL | BM047567.D | 19 Sep 2024 12:35 | RC/JU | Ok |
| 4 | PB163318BS | BM047568.D | 19 Sep 2024 13:15 | RC/JU | Ok,M |
| 5 | PB163318BSD | BM047569.D | 19 Sep 2024 13:54 | RC/JU | Ok,M |
| 6 | P3845-22 | BM047570.D | 19 Sep 2024 14:34 | RC/JU | Not Ok |
| 7 | PB163344BS | BM047571.D | 19 Sep 2024 15:14 | RC/JU | Ok,M |
| 8 | PB163344BSD | BM047572.D | 19 Sep 2024 15:53 | RC/JU | Ok,M |
| 9 | PB163344BL | BM047573.D | 19 Sep 2024 16:33 | RC/JU | Ok |
| 10 | P3956-02 | BM047574.D | 19 Sep 2024 17:13 | RC/JU | Ok |
| 11 | PB163525BL | BM047575.D | 19 Sep 2024 17:53 | RC/JU | Not Ok |
| 12 | PB163525BS | BM047576.D | 19 Sep 2024 18:32 | RC/JU | Ok,M |
| 13 | P4103-13 | BM047577.D | 19 Sep 2024 19:12 | RC/JU | Ok |
| 14 | P4103-13MS | BM047578.D | 19 Sep 2024 19:52 | RC/JU | Ok,M |
| 15 | P4103-13MSD | BM047579.D | 19 Sep 2024 20:32 | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF091324

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/16/2024 1:24:18 AM | | |
| Supervise By | mohammad | Supervise On | 9/16/2024 2:17:37 AM | | |
| SubDirectory | BF091324 | HP Acquire Method | BNA_F | HP Processing Method | bf091324 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |
| CCC | SP6591 |
| Internal Standard/PEM | S12314,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF139344.D | 13 Sep 2024 14:04 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF139345.D | 13 Sep 2024 14:32 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF139346.D | 13 Sep 2024 15:00 | Compound #54 removed from 5ppm | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF139347.D | 13 Sep 2024 15:28 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BF139348.D | 13 Sep 2024 15:57 | Calibration Failed for Com#77(Benzidine) in both 8270 DOD and NON-DOD | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF139349.D | 13 Sep 2024 16:53 | The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77 | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BF139350.D | 13 Sep 2024 17:51 | Calibration is Passing for 625.1 Method for all Compounds Except com#77 | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BF139351.D | 13 Sep 2024 18:48 | | RC/JU | Ok,M |
| 9 | SSTDICC080 | SSTDICC080 | BF139352.D | 13 Sep 2024 19:44 | Compound #6,9 removed from 80ppm | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBF091324 | BF139353.D | 13 Sep 2024 20:41 | Com#77 is failing in ICV for Both 8270 DOD and NON-DOD | RC/JU | Ok |
| 11 | PB163259BL | PB163259BL | BF139354.D | 13 Sep 2024 21:09 | | RC/JU | Ok |
| 12 | SP6630 | SP6630 | BF139355.D | 13 Sep 2024 21:38 | 8270 SPIKE | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF091624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/17/2024 1:35:51 AM | | |
| Supervise By | mohammad | Supervise On | 9/19/2024 4:59:59 AM | | |
| SubDirectory | BF091624 | HP Acquire Method | BNA_F | HP Processing Method | bf091324 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |
| CCC | SP6591 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF139376.D | 16 Sep 2024 10:09 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF139377.D | 16 Sep 2024 10:36 | | RC/JU | Ok |
| 3 | PB163318BL | PB163318BL | BF139378.D | 16 Sep 2024 11:04 | Analyzed for contamination check, Method is Fail for Com#77 | RC/JU | Ok |
| 4 | P3845-06 | PT-ACIDS-WP | BF139379.D | 16 Sep 2024 12:35 | PT Sample-Need 5X Dilution. | RC/JU | Dilution |
| 5 | P3845-06DL | PT-ACIDS-WPDL | BF139380.D | 16 Sep 2024 13:13 | | RC/JU | Ok |
| 6 | P3929-03 | 72-11930 | BF139381.D | 16 Sep 2024 16:30 | | RC/JU | Ok,M |
| 7 | P3929-01 | BIN-2 | BF139382.D | 16 Sep 2024 16:58 | | RC/JU | Ok,M |
| 8 | P3947-01 | RW-1 | BF139383.D | 16 Sep 2024 17:27 | | RC/JU | Ok,M |
| 9 | P3947-01MS | RW-1MS | BF139384.D | 16 Sep 2024 17:55 | | RC/JU | Ok,M |
| 10 | P3947-01MSD | RW-1MSD | BF139385.D | 16 Sep 2024 18:23 | | RC/JU | Ok |
| 11 | P3930-01 | DN-B-33 | BF139386.D | 16 Sep 2024 18:51 | | RC/JU | Ok |
| 12 | P3930-02RE | DN-B-34RE | BF139387.D | 16 Sep 2024 19:20 | Surrogate Fail | RC/JU | Confirms |
| 13 | P3962-01 | TR-04-091124 | BF139388.D | 16 Sep 2024 19:48 | Internal Standard Fail | RC/JU | Ok,M |
| 14 | P3976-01 | RW-2 | BF139389.D | 16 Sep 2024 20:16 | | RC/JU | Ok,M |
| 15 | P3979-01 | EO-03-091224 | BF139390.D | 16 Sep 2024 20:44 | | RC/JU | Ok,M |
| 16 | P3980-01 | HD-02-091224 | BF139391.D | 16 Sep 2024 21:12 | Need further 5X Dilution. | RC/JU | Dilution |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM091424

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 9/16/2024 1:25:35 AM | | |
| Supervise By | mohammad | Supervise On | 9/17/2024 2:00:30 AM | | |
| SubDirectory | BM091424 | HP Acquire Method | BNA_M | HP Processing Method | BM091424 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628 |
| CCC | SP6624 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM047519.D | 14 Sep 2024 11:17 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BM047520.D | 14 Sep 2024 11:57 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BM047521.D | 14 Sep 2024 12:36 | Compound #32,54,65 removed from 5ppm | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BM047522.D | 14 Sep 2024 13:16 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BM047523.D | 14 Sep 2024 13:55 | Compound #32,65 Kept on LR and Compound #54 Kept on QR | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BM047524.D | 14 Sep 2024 14:35 | The Calibration is Good For 8270 DOD and good for 625.1 Method | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BM047525.D | 14 Sep 2024 15:14 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BM047526.D | 14 Sep 2024 15:54 | | RC/JU | Ok,M |
| 9 | SSTDICC080 | SSTDICC080 | BM047527.D | 14 Sep 2024 16:34 | Compound #77 removed from 80ppm | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBM091424 | BM047528.D | 14 Sep 2024 17:53 | | RC/JU | Ok,M |
| 11 | PB163160BL | PB163160BL | BM047529.D | 14 Sep 2024 18:32 | | RC/JU | Ok |
| 12 | PB163160BS | PB163160BS | BM047530.D | 14 Sep 2024 19:12 | | RC/JU | Ok,M |
| 13 | PB163160BSD | PB163160BSD | BM047531.D | 14 Sep 2024 19:51 | Double Internal Standard added | RC/JU | Ok,M |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM091924

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 9/20/2024 4:22:41 PM | | |
| Supervise By | mohammad | Supervise On | 9/22/2024 12:55:48 AM | | |
| SubDirectory | BM091924 | HP Acquire Method | BNA_M | HP Processing Method | BM091424 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628 |
| CCC | SP6624 |
| Internal Standard/PEM | S12315,10ul/1000ul sample |
| ICV/I.BLK | SP6559 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM047565.D | 19 Sep 2024 08:54 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM047566.D | 19 Sep 2024 11:49 | | RC/JU | Ok,M |
| 3 | PB163318BL | PB163318BL | BM047567.D | 19 Sep 2024 12:35 | | RC/JU | Ok |
| 4 | PB163318BS | PB163318BS | BM047568.D | 19 Sep 2024 13:15 | | RC/JU | Ok,M |
| 5 | PB163318BSD | PB163318BSD | BM047569.D | 19 Sep 2024 13:54 | | RC/JU | Ok,M |
| 6 | P3845-22 | RR-TRIAZINE-WP | BM047570.D | 19 Sep 2024 14:34 | PT Sample, Internal Standard Fail | RC/JU | Not Ok |
| 7 | PB163344BS | PB163344BS | BM047571.D | 19 Sep 2024 15:14 | | RC/JU | Ok,M |
| 8 | PB163344BSD | PB163344BSD | BM047572.D | 19 Sep 2024 15:53 | | RC/JU | Ok,M |
| 9 | PB163344BL | PB163344BL | BM047573.D | 19 Sep 2024 16:33 | | RC/JU | Ok |
| 10 | P3956-02 | EFF-WW | BM047574.D | 19 Sep 2024 17:13 | Surrogate Fail | RC/JU | Ok |
| 11 | PB163525BL | PB163525BL | BM047575.D | 19 Sep 2024 17:53 | Internal Standard and Surrogate fail | RC/JU | Not Ok |
| 12 | PB163525BS | PB163525BS | BM047576.D | 19 Sep 2024 18:32 | | RC/JU | Ok,M |
| 13 | P4103-13 | WC-14-7.5-10B | BM047577.D | 19 Sep 2024 19:12 | | RC/JU | Ok |
| 14 | P4103-13MS | WC-14-7.5-10BMS | BM047578.D | 19 Sep 2024 19:52 | | RC/JU | Ok,M |
| 15 | P4103-13MSD | WC-14-7.5-10BMSD | BM047579.D | 19 Sep 2024 20:32 | | RC/JU | Ok,M |

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Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB163318

**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#:** E3574

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

**Hood ID:** 4,5,6,7

**Extraction Start Date :** 09/12/2024

**Extraction Start Time :** 08:40

**Extraction End Date :** 09/12/2024

**Extraction End Time :** 13:40

**Concentration By:** EH

**Supervisor By :** rajesh

**Extraction Method:** [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6604 |
| Surrogate | 1.0ML | 100/150 PPM | SP6524 |
| 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 | E3791 |
| Baked Na2SO4 | N/A | EP2532 |
| 10N NaoH | N/A | EP2523 |
| H2SO4 1:1 | N/A | EP2524 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial lot# 2210673. pH Adjusted <2 with 1:1H2SO4 & >11 with 10 N NaOH.P3940-01 Extracted out of hold as per Client.

**KD Bath ID:** Water bath -01,02

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 09/12/24 | RP (Set 1,2,3,5) | RC/SVOC |
| 13:45 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB163318**

**Analytical Method:** M3510C,3580A-Extraction SVOC-20

**Concentration Date:** 09/12/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB163318BL | SBLK318 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | SEP-1 |
| PB163318BS | SLCS318 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 2 |
| PB163318BSD | SLCSD318 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 3 |
| P3845-03 | PT-BN-WP | SVOCMS Group1 | 1000 | 6 | RUPESH | ritesh | 1 | | | 4 |
| P3845-06 | PT-ACIDS-WP | SVOCMS Group2 | 1000 | 6 | RUPESH | ritesh | 1 | | | 5 |
| P3845-22 | RR-TRIAZINE-WP | SVOCMS Group6 | 1000 | 6 | RUPESH | ritesh | 1 | | | 6 |
| P3940-01 | AST-2024-4036-PRIM | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | G | | 7 |

* **Extracts relinguished on the same date as received.**

9/12/24

163316
8:40

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P3940 **WorkList ID :** 183415 **Department :** Extraction **Date :** 09-12-2024 08:38:11

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P3845-03 | PT-BN-WP | Water | SVOCMS Group1 | Cool 4 deg C | CHEM02 | QA Of | 09/03/2024 | 8270E |
| P3845-06 | PT-ACIDS-WP | Water | SVOCMS Group2 | Cool 4 deg C | CHEM02 | QA Of | 09/03/2024 | 8270E |
| P3845-22 | RR-TRIAZINE-WP | Water | SVOCMS Group6 | Cool 4 deg C | CHEM02 | QA Of | 09/03/2024 | 8270E |
| P3940-01 | AST-2024-4036-PRIM | Water | SVOC-TCL BNA -20 | Cool 4 deg C | WIND03 | H53 | 08/29/2024 | 8270E |

**Date/Time** 09/12/24 8:40
**Raw Sample Received by:** RJ (Cher (ws)
**Raw Sample Relinquished by:** JD CSM)



**Date/Time** 09/17/24 9:05
**Raw Sample Received by:** JD CSM)
**Raw Sample Relinquished by:** RJ (Cher (ws)

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# Prep Standard - Chemical Standard Summary

**Order ID :** P3845

**Test :** SVOCMS Group2

**Prepbatch ID :** PB163318,

**Sequence ID/Qc Batch ID:** BF091424,BF091424,BF091624,BF091624,BM091624,BM091624,BM091924,BM091924,BM092324,

**Standard ID :**
EP2523,EP2524,EP2532,SP6524,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,SP6620,SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628,

**Chemical ID :**
10ul/1000ul sample,E3551,E3657,E3744,E3768,E3780,E3786,E3791,M5037,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11085,S11093,S11097,S11098,S11103,S11138,S11141,S11159,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12077,S12078,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12113,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12275,S12314,S12315,S12316,S12449,S12450,S12451,S12452,S12453,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 | EP2523 | 08/14/2024 | 02/14/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 08/14/2024 |

**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 | EP2524 | 08/14/2024 | 12/15/2024 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 08/14/2024 |

**FROM** 1000.00000ml of M5037 + 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 | EP2532 | 08/30/2024 | 01/03/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 08/30/2024 |

**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 | SP6524 | 05/31/2024 | 11/29/2024 | Jagrut Upadhyay | None | None | Yogesh Patel 06/13/2024 |

**FROM** 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = 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) | SP6558 | 07/09/2024 | 11/30/2024 | Jagrut Upadhyay | None | None | mohammad ahmed 07/11/2024 |

**FROM** 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = 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 | SP6559 | 07/09/2024 | 11/30/2024 | Jagrut Upadhyay | None | None | mohammad ahmed 07/11/2024 |

**FROM** 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = 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 | SP6573 | 07/15/2024 | 01/08/2025 | Rahul Chavli | None | None | Yogesh Patel 07/17/2024 |

**FROM** 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6587 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 413 | 80 ng BNA ICC, 80 PPM | SP6588 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 412 | 60 ng BNA ICC, 60 PPM | SP6589 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = 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 |
|---|---|---|---|---|---|---|---|---|
| 411 | 50 ng BNA ICC, 50 PPM | SP6590 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 410 | 40 ng BNA ICC, 40 PPM | SP6591 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3678 | 20 ng BNA ICC, 20 PPM | SP6592 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6593 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6594 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 175 | 2.5 ng BNA ICC, 2.5 PPM | SP6595 | 08/08/2024 | 01/09/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 08/17/2024 |

**FROM** 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6604 | 08/12/2024 | 10/26/2024 | Rahul Chavli | None | None | Yogesh Patel 08/21/2024 |

**FROM** 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6620 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12113 + 1.00000ml of S11085 + 1.00000ml of S11098 + 1.00000ml of S11159 + 1.00000ml of S12078 + 1.00000ml of S12275 + 3.83300ml of E3791 = Final Quantity: 10.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 413 | 80 ng BNA ICC, 80 PPM | SP6621 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.20000ml of E3791 + 0.80000ml of SP6620 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 412 | 60 ng BNA ICC, 60 PPM | SP6622 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.40000ml of E3791 + 0.60000ml of SP6620 = 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 |
|---|---|---|---|---|---|---|---|---|
| 411 | 50 ng BNA ICC, 50 PPM | SP6623 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6620 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 410 | 40 ng BNA ICC, 40 PPM | SP6624 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.60000ml of E3791 + 0.40000ml of SP6620 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3678 | 20 ng BNA ICC, 20 PPM | SP6625 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.80000ml of E3791 + 0.20000ml of SP6620 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6626 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.90000ml of E3791 + 0.10000ml of SP6620 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6627 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.95000ml of E3791 + 0.05000ml of SP6620 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 175 | 2.5 ng BNA ICC, 2.5 PPM | SP6628 | 09/11/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 09/11/2024 |

**FROM** 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6627 = 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 | 01/03/2025 | 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) | 23H14626005 | 11/29/2024 | 05/29/2024 / Rajesh | 05/23/2024 / Rajesh | E3744 |

| 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) | 24E2462004 | 01/08/2025 | 07/08/2024 / Rajesh | 06/21/2024 / Rajesh | E3768 |

| 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) | 23H1462005 | 02/10/2025 | 08/10/2024 / Rajesh | 07/24/2024 / Rajesh | E3780 |

| 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) | 24F1062004 | 02/01/2025 | 08/01/2024 / Rajesh | 07/16/2024 / Rajesh | E3786 |

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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) | 24G2362009 | 03/09/2025 | 09/09/2024 / Rajesh | 09/03/2024 / Rajesh | E3791 |

| 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) | 0000250349 | 12/15/2024 | 01/06/2022 / mohan | 09/18/2021 / mohan | M5037 |

| 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 | 02/08/2025 | 08/08/2024 / Jagrut | 12/09/2021 / Christian | S10103 |

| 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 | 01/15/2025 | 07/15/2024 / Rahul | 03/18/2022 / Christian | S10247 |

| 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 | 10/26/2024 | 04/26/2024 / Rahul | 05/18/2022 / Christian | S10398 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 07/05/2022 / Christian | S10583 |

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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 | A0188108 | 08/31/2030 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10972 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10973 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10974 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10975 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10976 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10977 |

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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 | 08/31/2028 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10996 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10997 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10998 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S10999 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S11000 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S11001 |

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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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S11002 |

| 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 | 11/30/2024 | 05/31/2024 / Jagrut | 12/28/2022 / Christian | S11003 |

| 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] | A0193449 | 10/26/2024 | 04/26/2024 / Rahul | 01/13/2023 / Christian | S11012 |

| 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 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11084 |

| 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 | 03/11/2025 | 09/11/2024 / Rahul | 02/07/2023 / Christian | S11085 |

| 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 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11093 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml | 495831 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11097 |

| 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 | 495831 | 03/11/2025 | 09/11/2024 / Rahul | 02/07/2023 / Christian | S11098 |

| 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 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11103 |

| 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] | A0194698 | 02/12/2025 | 08/12/2024 / Rahul | 02/20/2023 / Christian | S11138 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 02/20/2023 / Christian | S11141 |

| 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 | 03/11/2025 | 09/11/2024 / Rahul | 03/06/2023 / Christian | S11159 |

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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-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 02/08/2025 | 08/08/2024 / Jagrut | 08/11/2023 / Yogesh | S11494 |

| 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] | A0201940 | 02/12/2025 | 08/12/2024 / Rahul | 09/18/2023 / Kiran | S11555 |

| 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] | A0201940 | 02/12/2025 | 08/12/2024 / Rahul | 09/18/2023 / Kiran | S11561 |

| 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] | A0201940 | 12/05/2024 | 06/05/2024 / Rahul | 09/18/2023 / Kiran | S11566 |

| 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] | A0201940 | 02/12/2025 | 08/12/2024 / Rahul | 09/18/2023 / Kiran | S11567 |

| 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 | 12/14/2024 | 06/14/2024 / Rahul | 11/21/2023 / Rahul | S11766 |

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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 | 01/12/2025 | 07/12/2024 / Rahul | 11/21/2023 / Rahul | S11767 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 11/21/2023 / Rahul | S11768 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 11/21/2023 / Rahul | S11769 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 11/21/2023 / Rahul | S11770 |

| 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 | A0201320 | 01/01/2025 | 07/01/2024 / Rahul | 12/21/2023 / Rahul | S12033 |

| 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 | A0201320 | 02/07/2025 | 08/07/2024 / anahy | 12/21/2023 / Rahul | S12039 |

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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-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 414127 | 02/08/2025 | 08/08/2024 / Jagrut | 01/31/2024 / Rahul | S12077 |

| 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 | 03/11/2025 | 09/11/2024 / Rahul | 01/31/2024 / Rahul | S12078 |

| 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] | A0207706 | 01/09/2025 | 07/09/2024 / Jagrut | 02/05/2024 / Rahul | S12097 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12098 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12099 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12100 |

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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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12101 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12102 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12103 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12104 |

| 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] | A0207706 | 02/12/2025 | 08/12/2024 / Rahul | 02/05/2024 / Rahul | S12105 |

| 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 | 01/09/2025 | 07/09/2024 / Jagrut | 03/08/2024 / Rahul | S12112 |

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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-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 02/09/2025 | 08/09/2024 / Jagrut | 03/08/2024 / Rahul | S12113 |

| 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 | 12/05/2024 | 06/05/2024 / Rahul | 03/15/2024 / Rahul | S12117 |

| 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 | 01/10/2025 / Jagrut | 03/15/2024 / Rahul | S12118 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12119 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12120 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12121 |

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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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12122 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12123 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12124 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12125 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 03/15/2024 / Rahul | S12126 |

| 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 | 03/11/2025 | 09/11/2024 / Rahul | 05/24/2024 / Rahul | S12275 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0206540 | 03/04/2025 | 09/04/2024 / anahy | 05/30/2024 / Rahul | S12314 |

| 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 | 03/13/2025 | 09/13/2024 / anahy | 05/30/2024 / Rahul | S12315 |

| 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 | 03/19/2025 | 09/19/2024 / anahy | 05/30/2024 / Rahul | S12316 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 07/23/2024 / RAHUL | S12449 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 07/23/2024 / RAHUL | S12450 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 07/23/2024 / RAHUL | S12451 |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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 | 02/12/2025 | 08/12/2024 / Rahul | 07/23/2024 / RAHUL | S12452 |

| 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 | 02/12/2025 | 08/12/2024 / Rahul | 07/23/2024 / RAHUL | S12453 |

| 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.

CPI INTERNATIONAL

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by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010074-07 | 406703 | ≤ -10 °C | Methylene Chloride | 3/30/2025 | 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 3,3'-dichlorobenzidine | 91-94-1 | 99.5 | 74.3.26P | 989 ± 7.53 |

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
**Chemist**

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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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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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**

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CPI INTERNATIONAL

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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**

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CPI INTERNATIONAL

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(707)545-7901 Fax

Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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 | 495831 | ≤ -10 °C | Methylene Chloride | 10/30/2027 | 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 | 1003 ± 17.27 |
| acenaphthylene | 208-96-8 | 97.6 | 14.290.1P | 999.8 ± 17.22 |
| aniline | 62-53-3 | 99.9 | 64.7.1P | 995 ± 17.13 |
| anthracene | 120-12-7 | 99.5 | 15.7.1P | 1001 ± 17.24 |
| azobenzene | 103-33-3 | 98.1 | 252.7.2P | 999.1 ± 17.21 |
| benzo[a]anthracene | 56-55-3 | 100 | 16.7.3P | 1001 ± 17.24 |
| benzo[b]fluoranthene | 205-99-2 | 99.8 | 17.421.3P | 1001 ± 19.91 |
| benzo[k]fluoranthene | 207-08-9 | 98.9 | 18.421.4P | 1001 ± 17.92 |
| benzo[ghi]perylene | 191-24-2 | 93 | 19.286.4P | 999.6 ± 19.88 |
| benzo[a]pyrene | 50-32-8 | 97 | 20.286.2P | 999.1 ± 26.35 |
| benzyl alcohol | 100-51-6 | 99.9 | 65.18.1P | 1001 ± 17.24 |
| bis(2-chloroethoxy)methane | 111-91-1 | 99.1 | 31.3.15P | 999.7 ± 17.89 |
| bis(2-chloroethyl)ether | 111-44-4 | 99.8 | 32.7.1P | 1001 ± 17.23 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5 | 34.3.13P | 999.5 ± 17.89 |
| bis(2-ethylhexyl)adipate | 103-23-1 | 99.5 | 874.7.1P | 999.5 ± 17.21 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | 99.4 | 33.29.1P | 998.8 ± 19.86 |
| 4-bromophenyl phenyl ether | 101-55-3 | 99.4 | 35.7.1P | 999.1 ± 17.2 |
| butyl benzyl phthalate | 85-68-7 | 98.4 | 36.1.6P | 984.7 ± 19.58 |
| carbazole | 86-74-8 | 99.4 | 239.7.2P | 1000 ± 17.22 |

*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: Briana Smith

Briana Smith
**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.:** 495831 **Expiration Date:** 10/30/2027

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 1000 ± 17.22 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 1000 ± 17.22 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 1002 ± 17.25 |

*Not a certified value

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CPI INTERNATIONAL

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(707)545-7901 Fax

Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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 | 495831 | ≤ -10 °C | Methylene Chloride | 10/30/2027 | 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 | 1003 ± 17.27 |
| acenaphthylene | 208-96-8 | 97.6 | 14.290.1P | 999.8 ± 17.22 |
| aniline | 62-53-3 | 99.9 | 64.7.1P | 995 ± 17.13 |
| anthracene | 120-12-7 | 99.5 | 15.7.1P | 1001 ± 17.24 |
| azobenzene | 103-33-3 | 98.1 | 252.7.2P | 999.1 ± 17.21 |
| benzo[a]anthracene | 56-55-3 | 100 | 16.7.3P | 1001 ± 17.24 |
| benzo[b]fluoranthene | 205-99-2 | 99.8 | 17.421.3P | 1001 ± 19.91 |
| benzo[k]fluoranthene | 207-08-9 | 98.9 | 18.421.4P | 1001 ± 17.92 |
| benzo[ghi]perylene | 191-24-2 | 93 | 19.286.4P | 999.6 ± 19.88 |
| benzo[a]pyrene | 50-32-8 | 97 | 20.286.2P | 999.1 ± 26.35 |
| benzyl alcohol | 100-51-6 | 99.9 | 65.18.1P | 1001 ± 17.24 |
| bis(2-chloroethoxy)methane | 111-91-1 | 99.1 | 31.3.15P | 999.7 ± 17.89 |
| bis(2-chloroethyl)ether | 111-44-4 | 99.8 | 32.7.1P | 1001 ± 17.23 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5 | 34.3.13P | 999.5 ± 17.89 |
| bis(2-ethylhexyl)adipate | 103-23-1 | 99.5 | 874.7.1P | 999.5 ± 17.21 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | 99.4 | 33.29.1P | 998.8 ± 19.86 |
| 4-bromophenyl phenyl ether | 101-55-3 | 99.4 | 35.7.1P | 999.1 ± 17.2 |
| butyl benzyl phthalate | 85-68-7 | 98.4 | 36.1.6P | 984.7 ± 19.58 |
| carbazole | 86-74-8 | 99.4 | 239.7.2P | 1000 ± 17.22 |

*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: Briana Smith

Briana Smith
**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.:** 495831 **Expiration Date:** 10/30/2027

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 1000 ± 17.22 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 1000 ± 17.22 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 1002 ± 17.25 |

*Not a certified value

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Certified By: Briana Smith

Briana Smith
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CPI INTERNATIONAL

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Manufacturer's Quality System
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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 |

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

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.

RESTEK®
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Bellefonte, PA 16823-8812
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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 03/18/22 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)

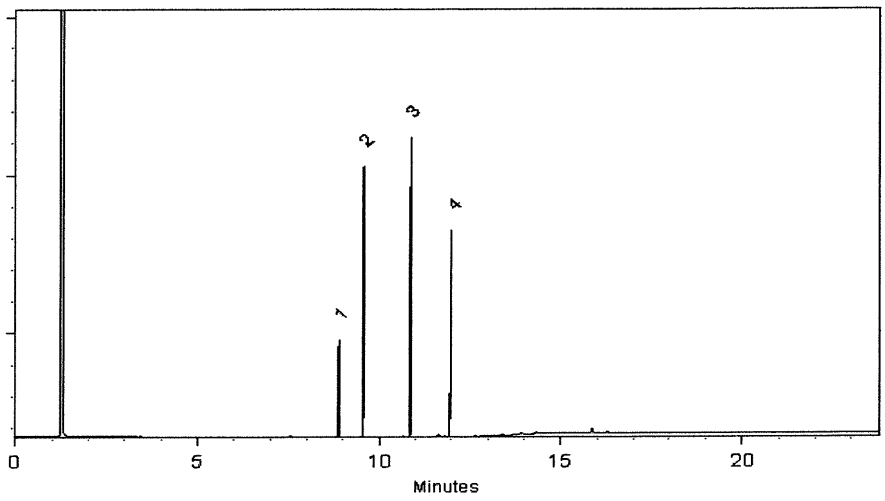
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by
CG
on
07/05/22
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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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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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)

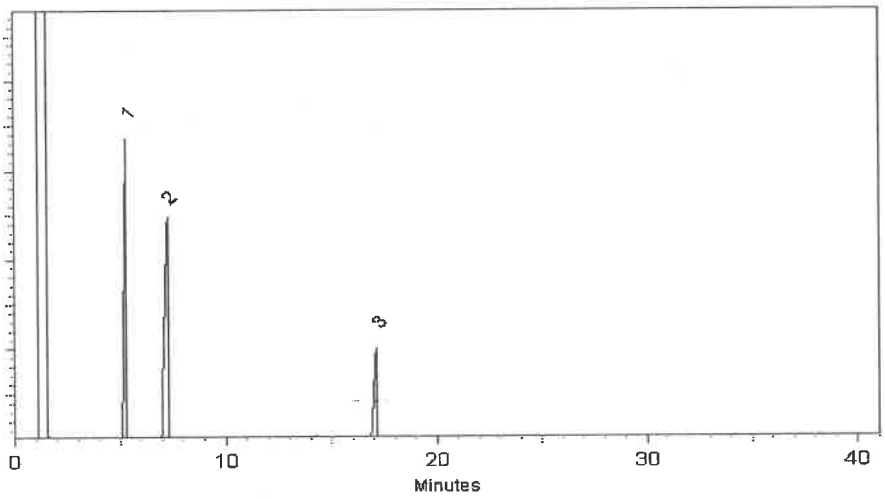
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

**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)

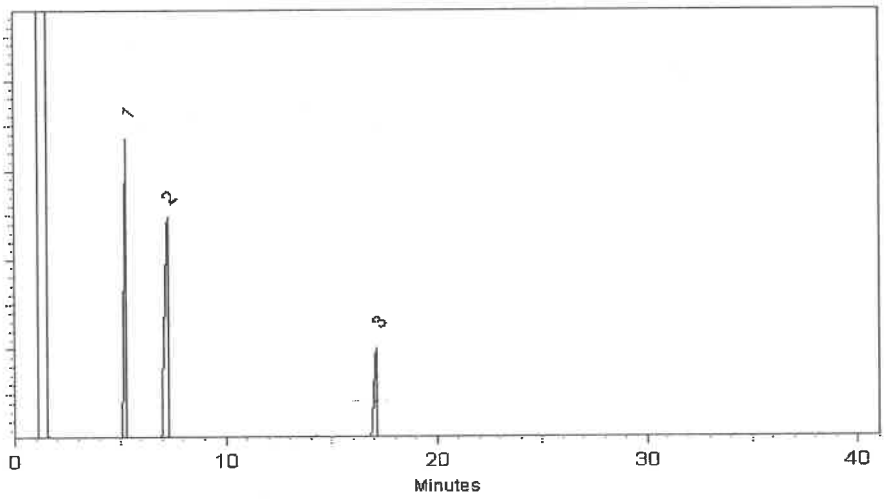
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

**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)

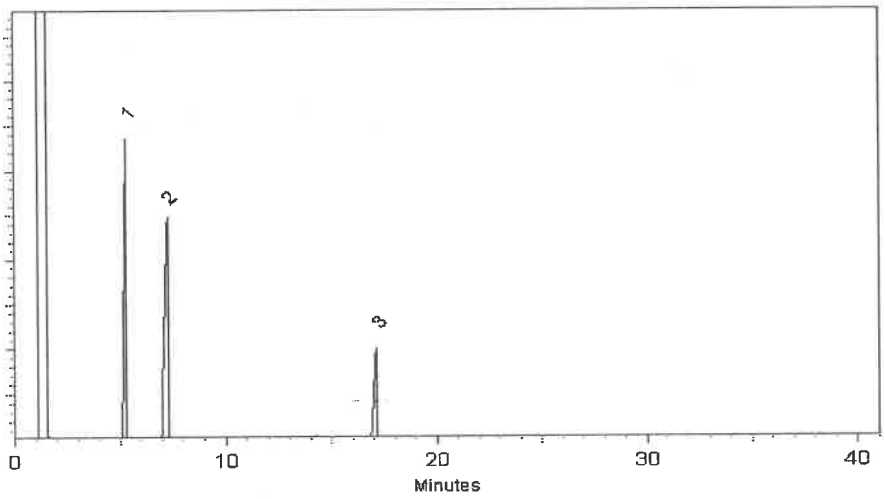
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

**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)

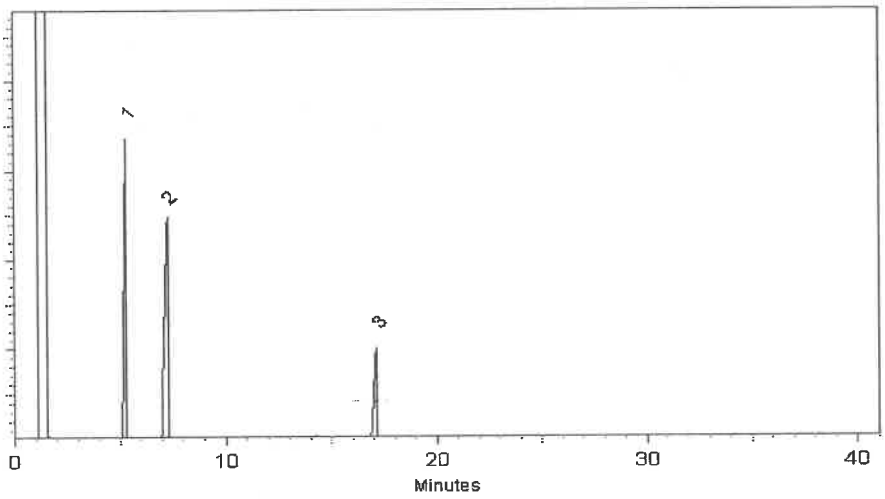
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

**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)

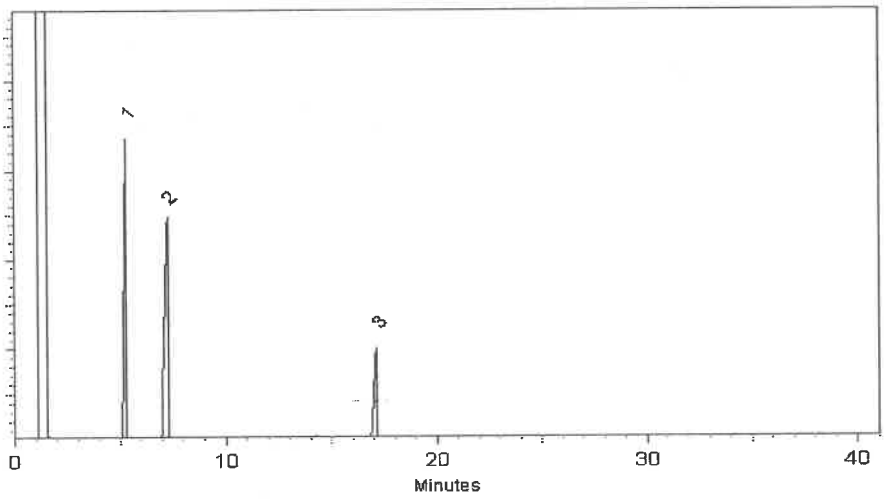
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

**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)

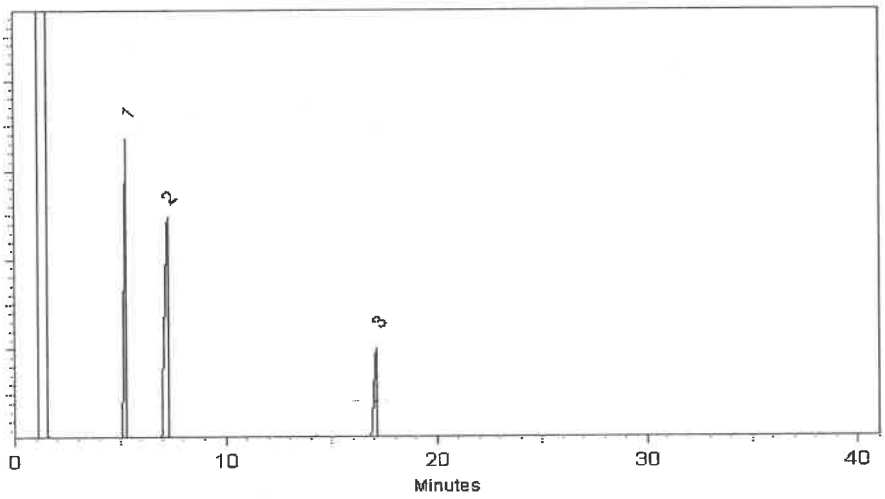
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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

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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:**
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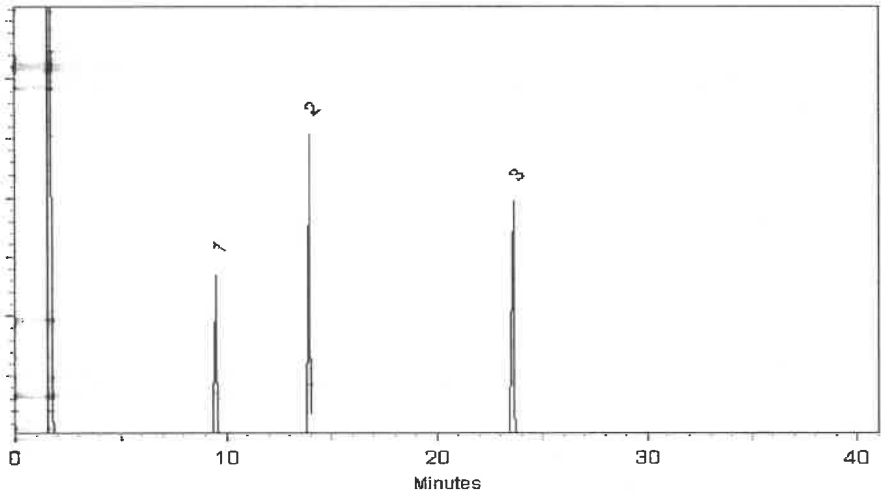
**Det. Temp:**
330°C

**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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**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

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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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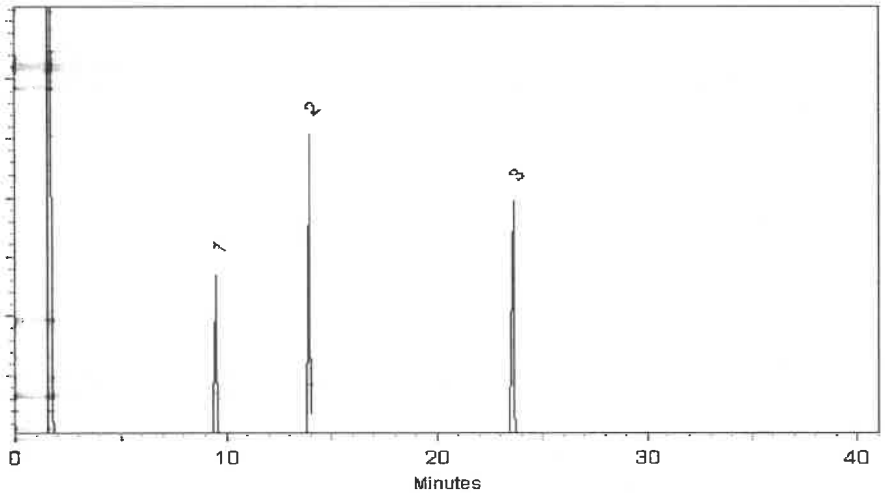


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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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**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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**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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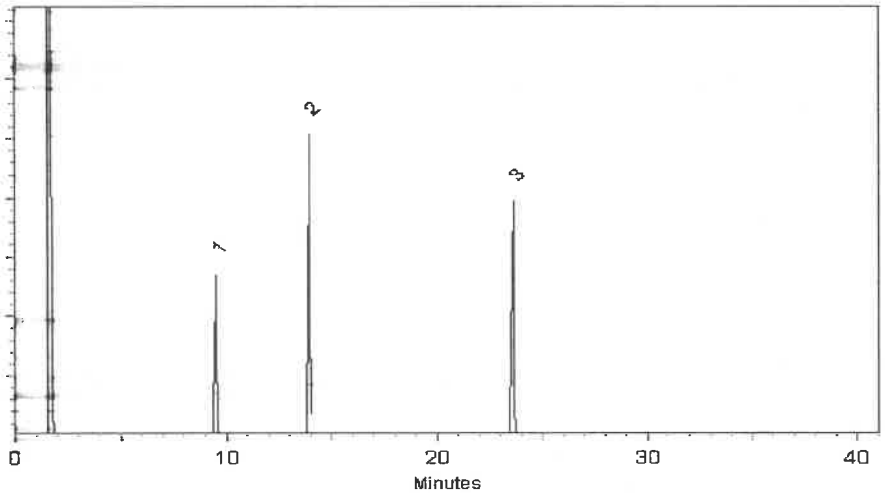


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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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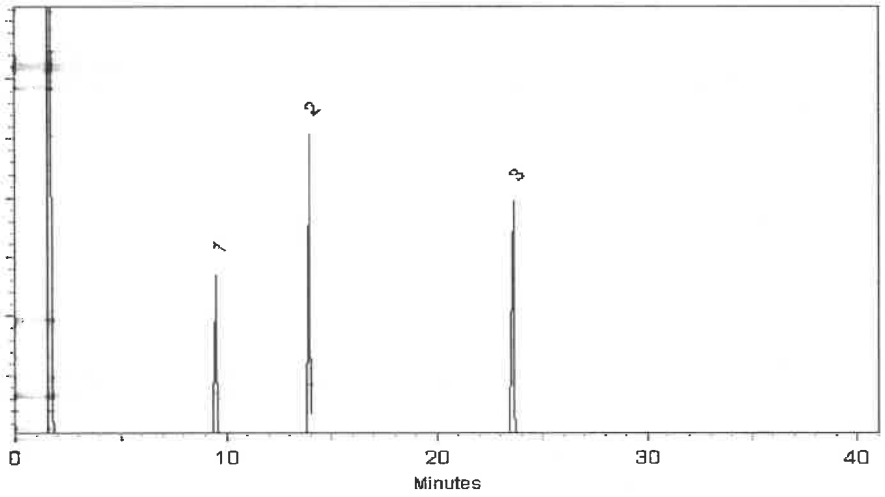


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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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**Column:**
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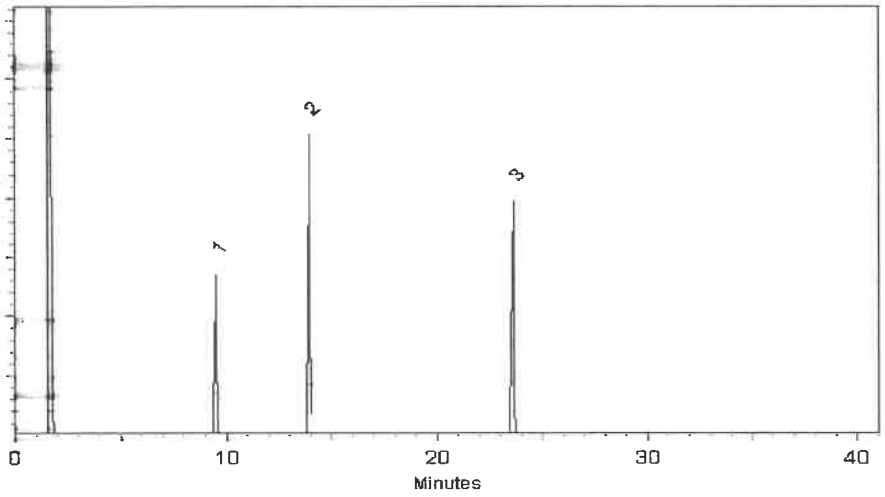


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Jennifer Pollino - Operations Tech III - ARM QC

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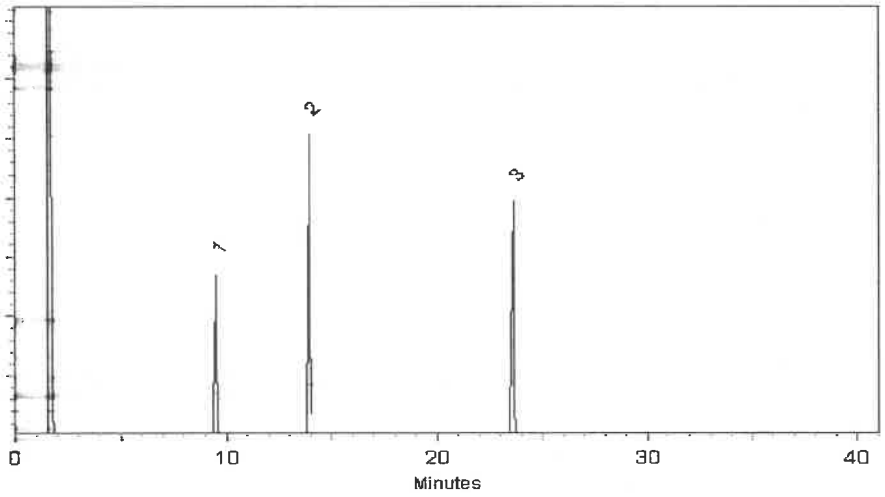


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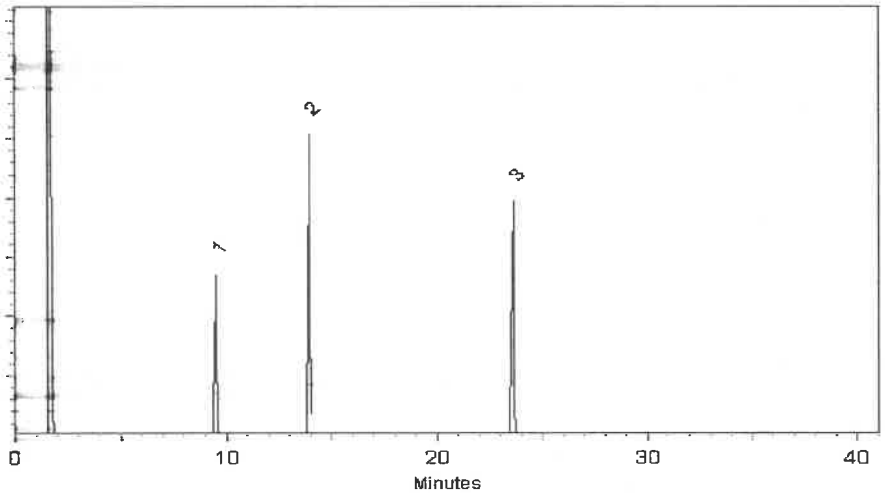
**Det. Type:**
FID




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
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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 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)

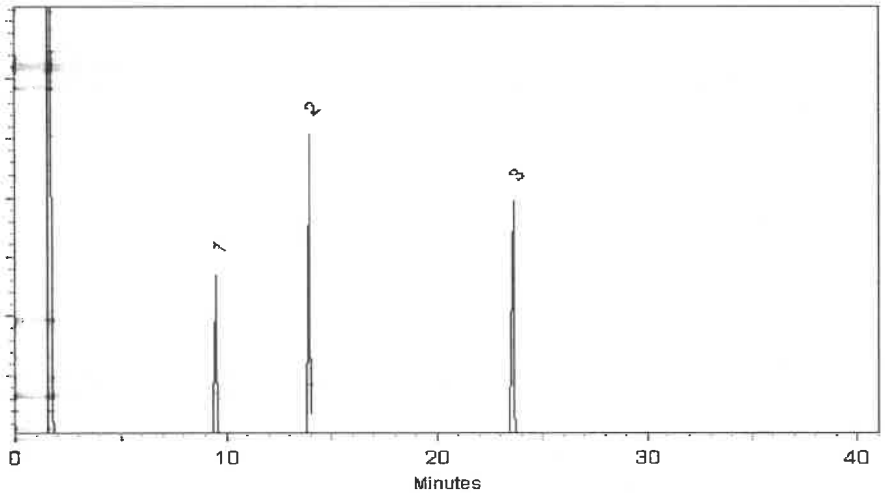
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received on 01/13/23 by CG S11011 to S11015

**Catalog No. :** 555872 **Lot No.:** A0193449

**Description :** Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 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 | Pentachlorophenol | 87-86-5 | RP221012 | 99% | 25,050.0 µg/mL | +/- 778.6378 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***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.*

Re

**Catalog No. :** 555870 **Lot No.:** A0194698

**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 :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) |
|---|---|---|---|---|---|
| 1 | 2,4-Dinitrophenol | 51-28-5 | DR221221RSR | 99% | 25,195.0 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's Registered Quality Certificate #FM 8

# 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 inimum packaged amount can be sufficiently transferred.

## Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T 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 n, 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 dards 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, ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555869 **Lot No.:** A0194702

**Description :** Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) |
|---|---|---|---|---|---|
| 1 | Hexachlorocyclopentadiene | 77-47-4 | 0012019 | 99% | 25,008.0 µg/mL |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

## tified Reference Material Notes

### :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.

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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.

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 |

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.4 % | 99.7 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.3 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.6 | < 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.3 % |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 3 |
| 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 | 0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.4 % | 99.7 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.3 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.6 | < 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.3 % |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
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 Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 7 |
| 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 | 0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

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: PO2-76 PRODUCT CODE: SHIP DATE: 9/3/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
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 Heptachlor Epoxide) 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 | 0.3 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | < 0.1 |
| Chloride (Cl) | ≤ 10 ppm | < 5 ppm |
| Water (by KF, coulometric) | ≤ 0.02 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5037-38-39-40
ND

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay ($H_2SO_4$) | 95.0 - 98.0 % | 96.5 |
| Appearance | Passes Test | PT |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | 1 |
| ACS - Substances Reducing Permanganate (as $SO_2$) | <= 2 ppm | < 2 |
| Ammonium ($NH_4$) | <= 1 ppm | < 1 |
| Chloride (Cl) | <= 0.1 ppm | < 0.1 |
| Nitrate ($NO_3$) | <= 0.2 ppm | < 0.1 |
| Phosphate ($PO_4$) | <= 0.5 ppm | < 0.1 |
| Trace Impurities - Aluminum (Al) | <= 30.0 ppb | 0.2 |
| Arsenic and Antimony (as As) | <= 4 ppb | < 2 |
| Trace Impurities - Barium (Ba) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Beryllium (Be) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | 2.9 |
| Trace Impurities - Chromium (Cr) | <= 6.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 0.5 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Germanium (Ge) | <= 10.0 ppb | < 10.0 |
| Trace Impurities - Gold (Au) | <= 10.0 ppb | < 0.2 |
| Heavy Metals (as Pb) | <= 500 ppb | < 100 |

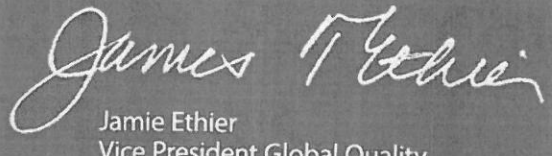
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Iron (Fe) | <= 50.0 ppb | 4.1 |
| Trace Impurities - Lead (Pb) | <= 0.5 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Magnesium (Mg) | <= 7.0 ppb | 0.4 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | < 0.1 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 2.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Potassium (K) | <= 500.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se) | <= 50.0 ppb | 22.9 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | < 10.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 500.0 ppb | 2.7 |
| Trace Impurities - Strontium (Sr) | <= 5.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Thallium (Tl) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Vanadium (V) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.3 |
| Trace Impurities - Zirconium (Zr) | <= 10.0 ppb | < 1.0 |

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110094-02 | 506889 | ≤ -10 °C | Methylene Chloride | 7/25/2028 | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2-dichlorobenzene-$d_4$ | 2199-69-1 | 99.7 | 247.29.3P | 5035 ± 28.02 |
| 2-fluorobiphenyl | 321-60-8 | 99.69 | 8.286.1.1P | 4999 ± 103.66 |
| nitrobenzene-d5 | 4165-60-0 | 99.67 | 7.9.3P | 4988 ± 27.32 |
| p-terphenyl-d14 | 1718-51-0 | 99.3 | 9.120.8P | 5005 ± 27.85 |

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0201940

**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 :** September 30, 2025 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

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511568
Y.P. 091191

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 | S230321RSR | 99% | 1,001.0 µg/mL | +/- 22.9799 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,010.0 µg/mL | +/- 23.1865 |
| 3 | Benzidine | 92-87-5 | S221205RSR | 99% | 1,008.0 µg/mL | +/- 23.1406 |
| 4 | epsilon-Caprolactam | 105-60-2 | I16X016 | 99% | 1,008.0 µg/mL | +/- 23.1406 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

**Date Mixed:** 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555223 **Lot No.:** A0201940

**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 :** September 30, 2025 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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 | S230321RSR | 99% | 1,001.0 µg/mL | +/- 22.9799 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,010.0 µg/mL | +/- 23.1865 |
| 3 | Benzidine | 92-87-5 | S221205RSR | 99% | 1,008.0 µg/mL | +/- 23.1406 |
| 4 | epsilon-Caprolactam | 105-60-2 | I16X016 | 99% | 1,008.0 µg/mL | +/- 23.1406 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

**Date Mixed:** 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555223 **Lot No.:** A0201940

**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 :** September 30, 2025 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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 | S230321RSR | 99% | 1,001.0 µg/mL | +/- 22.9799 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,010.0 µg/mL | +/- 23.1865 |
| 3 | Benzidine | 92-87-5 | S221205RSR | 99% | 1,008.0 µg/mL | +/- 23.1406 |
| 4 | epsilon-Caprolactam | 105-60-2 | I16X016 | 99% | 1,008.0 µg/mL | +/- 23.1406 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

**Date Mixed:** 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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**Catalog No. :** 555223 **Lot No.:** A0201940

**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 :** September 30, 2025 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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 | S230321RSR | 99% | 1,001.0 µg/mL | +/- 22.9799 |
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| 4 | epsilon-Caprolactam | 105-60-2 | I16X016 | 99% | 1,008.0 µg/mL | +/- 23.1406 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

**Date Mixed:** 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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.)

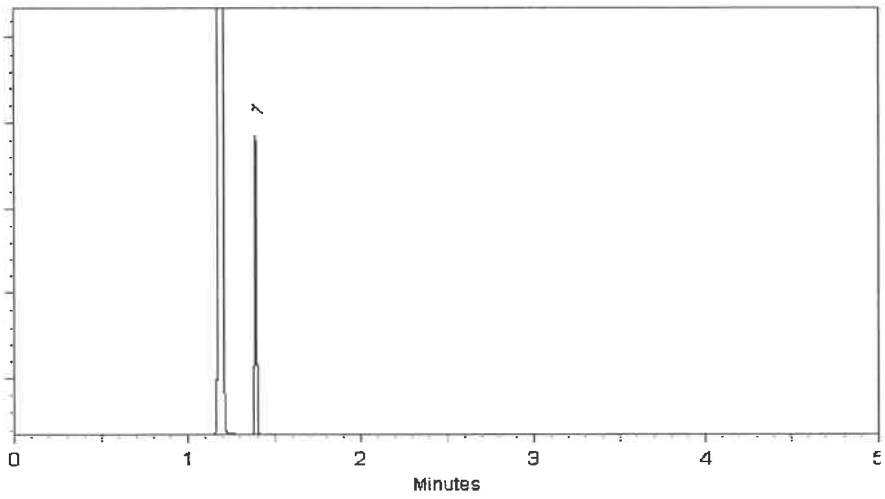
**Inj. Temp:**
250°C

**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:

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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.
- 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.)

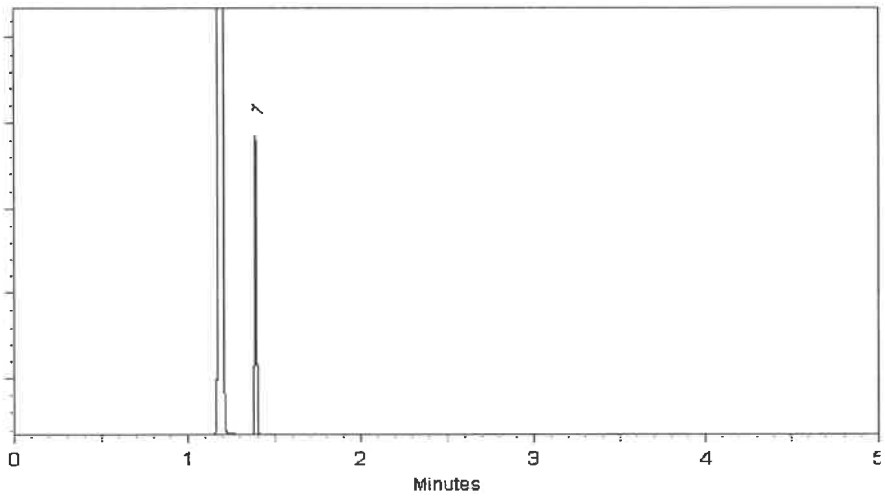
**Inj. Temp:**
250°C

**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.)

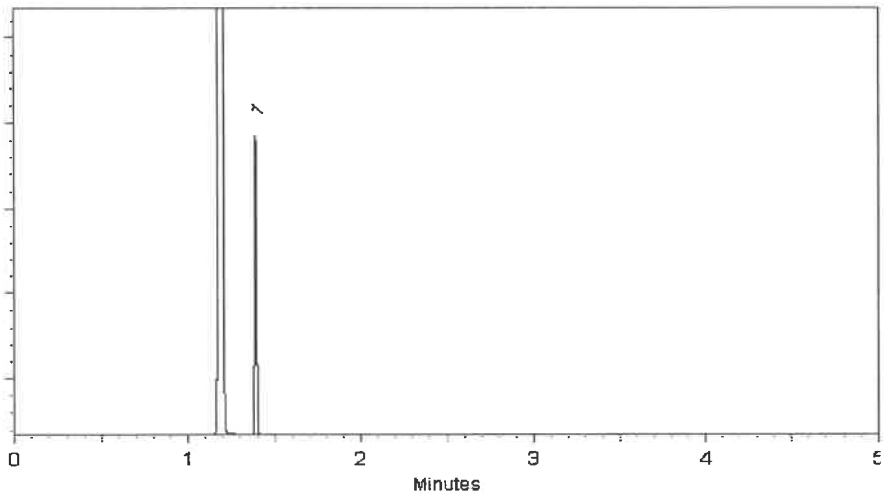
**Inj. Temp:**
250°C

**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***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

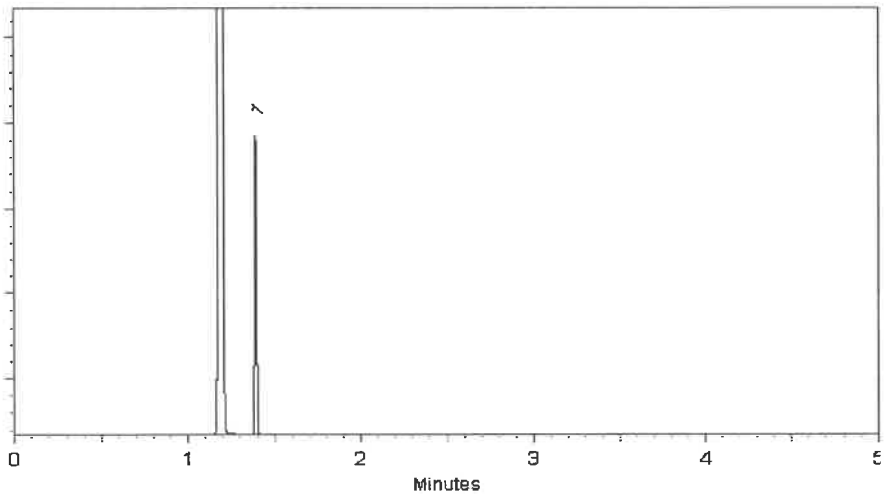
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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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.)

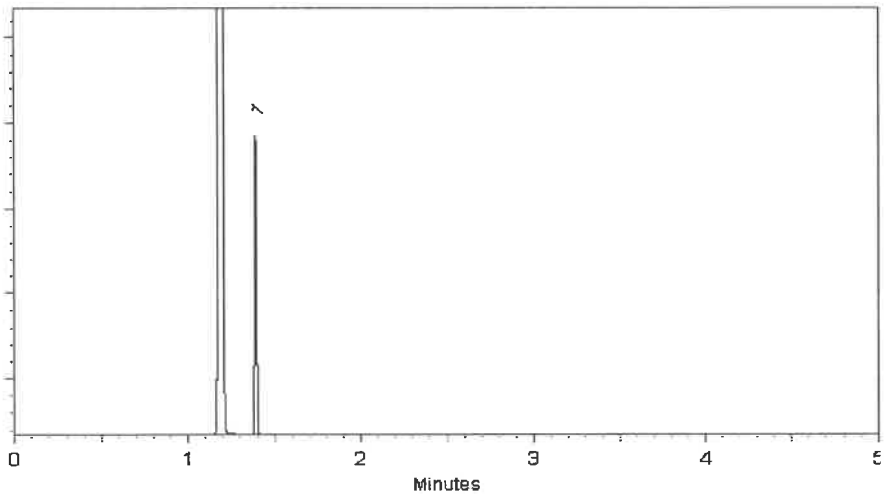
**Inj. Temp:**
250°C

**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.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

**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 :** July 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% | 2,017.0 µg/mL | +/- 90.8469 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,011.3 µg/mL | +/- 90.5917 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,008.6 µg/mL | +/- 90.4685 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-32303 | 99% | 2,019.4 µg/mL | +/- 90.9550 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-32210 | 99% | 2,013.7 µg/mL | +/- 90.6968 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,012.7 µg/mL | +/- 90.6517 |

* 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.)

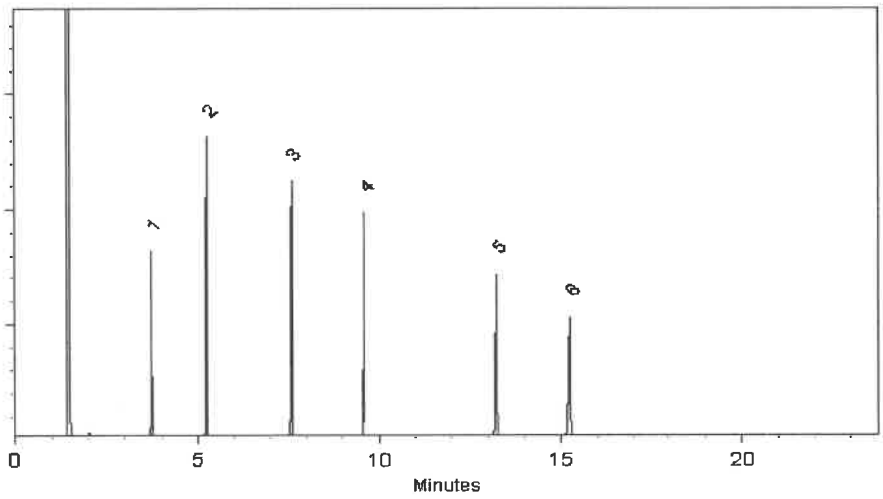
**Inj. Temp:**
250°C

**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.

Peter Robbins - Operations Technician I

**Date Mixed:** 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 25-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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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. :** 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

**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 :** July 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% | 2,017.0 µg/mL | +/- 90.8469 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,011.3 µg/mL | +/- 90.5917 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,008.6 µg/mL | +/- 90.4685 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-32303 | 99% | 2,019.4 µg/mL | +/- 90.9550 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-32210 | 99% | 2,013.7 µg/mL | +/- 90.6968 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,012.7 µg/mL | +/- 90.6517 |

* 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.)

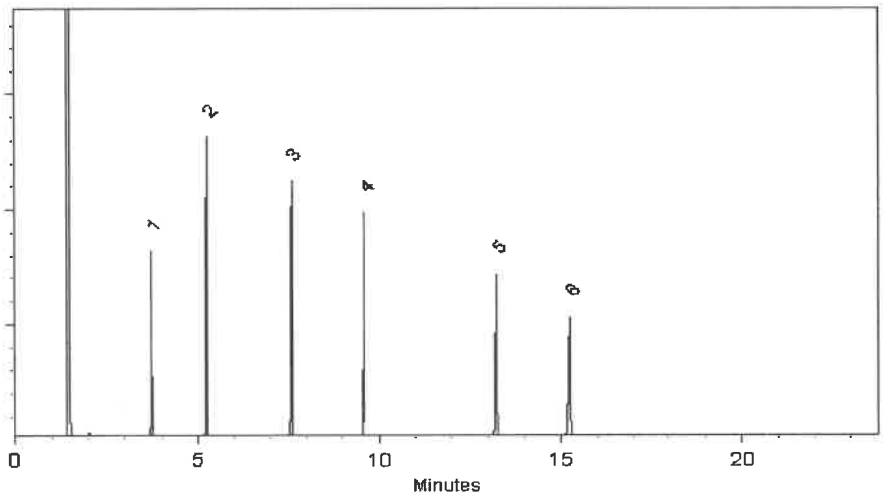
**Inj. Temp:**
250°C

**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.

Peter Robbins - Operations Technician I

**Date Mixed:** 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 25-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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(707)545-7901 Fax

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Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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 |

S12075
↓
S12079
RC
02/01/24

*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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Rev 0 

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|---|---|---|---|---|---|
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S12075
↓
S12079
RC
02/01/24

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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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. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 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% | 1,001.0 µg/mL | +/- 29.424320 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,004.0 µg/mL | +/- 29.512504 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,003.0 µg/mL | +/- 29.483110 |
| 5 | Biphenyl | 92-52-4 | MKCL6515 | 99% | 1,006.0 µg/mL | +/- 29.571294 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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| 5 | Biphenyl | 92-52-4 | MKCL6515 | 99% | 1,006.0 µg/mL | +/- 29.571294 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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| 5 | Biphenyl | 92-52-4 | MKCL6515 | 99% | 1,006.0 µg/mL | +/- 29.571294 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0207706

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 12-Feb-2024 **Balance:** B345965662

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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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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**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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 |

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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%

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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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
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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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%

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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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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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

**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

S12117 ↓ S12146 RC/ 03/18/24

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% | 1,001.6 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%

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

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.)

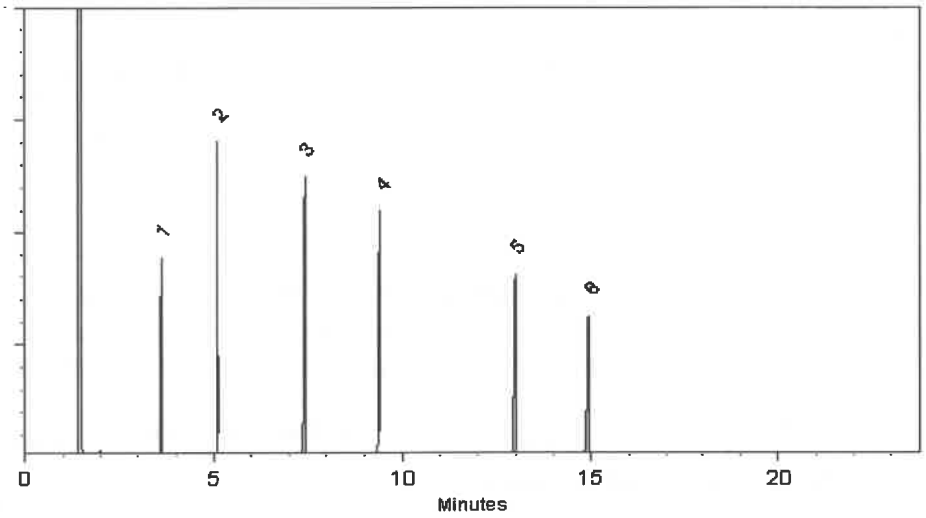
**Inj. Temp:**
250°C

**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**

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

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.)

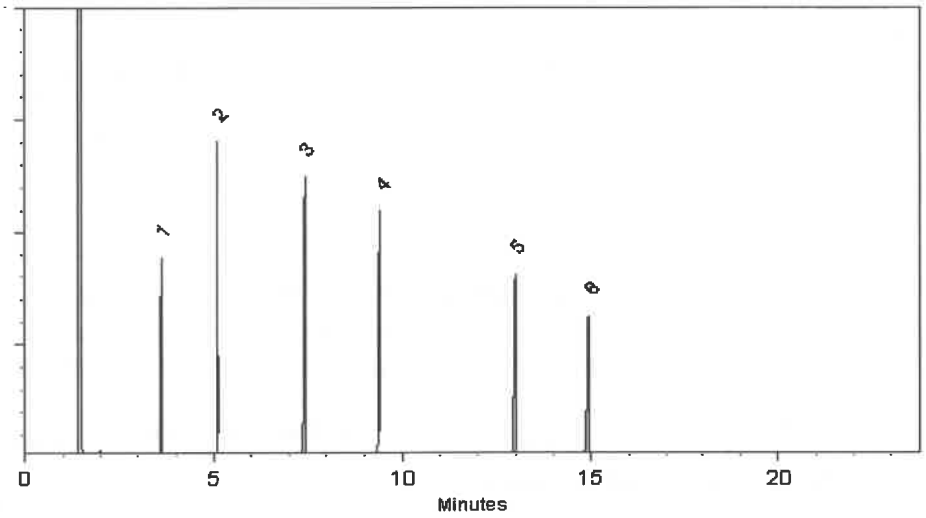
**Inj. Temp:**
250°C

**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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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

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.)

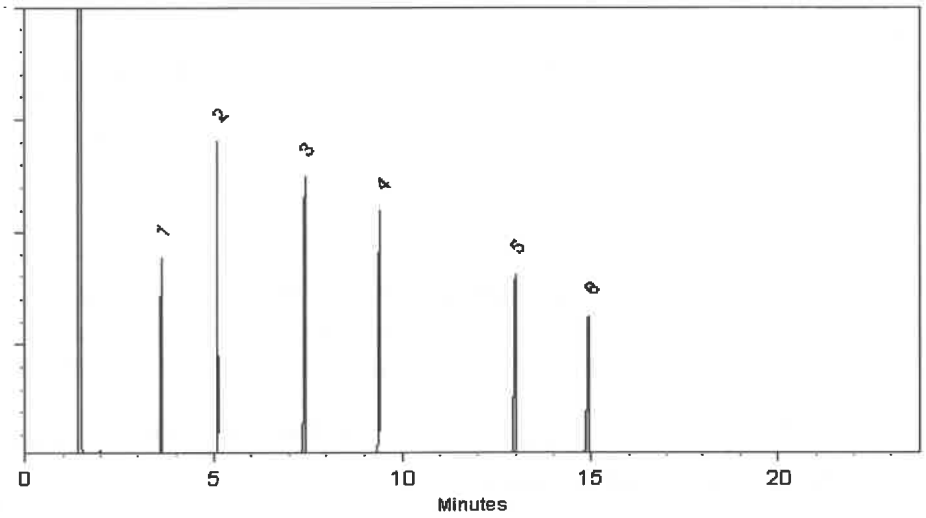
**Inj. Temp:**
250°C

**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**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

# General Certified Reference Material 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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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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**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**

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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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# SHIPPING DOCUMENTS

phenova® Certified Reference Materials | A Phenomenex® Company

# Packing List

| Date | Order # |
|---|---|
| 09/03/2024 | 318988 |

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**

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| 240802-01 | 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 | WP0924 | 8259-04 |
| 1 | 1 | 0 | PT-HG-WP | WP Mercury | WP0924 | 8259-05 |
| 1 | 1 | 0 | PT-SNTI-WP | WP Tin & Titanium | WP0924 | 8259-38 |
| 1 | 1 | 0 | PT-CR6-WP | WP Hexavalent Chromium | WP0924 | 8259-06 |
| 1 | 1 | 0 | PT-DEM-WP | WP Demand | WP0924 | 8259-07 |
| | | | PT-MINSET-WP | WP Minerals Set : (MIN1, MIN2 and COND) | | |
| 1 | 1 | 0 | PT-MIN1-WP | WP Minerals 1 Only | WP0924 | 8259-08 |
| 1 | 1 | 0 | PT-MIN2-WP | WP Minerals 2 Only | WP0924 | 8259-102 |
| 1 | 1 | 0 | PT-COND-WP | WP Conductivity Only | WP0924 | 8259-72 |
| 1 | 1 | 0 | PT-SOL-WP | WP Solids | WP0924 | 8259-09 |
| | | | PT-NUTSET-WP | WP Nutrients Set : (NUT1, NUT2 and NUT3) | | |
| 1 | 1 | 0 | PT-NUT1-WP | WP NUT1 Simple Nutrients Only | WP0924 | 8259-10 |
| 1 | 1 | 0 | PT-NUT2-WP | WP NUT2 - Complex Nutrients | WP0924 | 8259-11 |
| 1 | 1 | 0 | PT-NUT3-WP | WP NUT3 - Nitrite Only | WP0924 | 8259-69 |
| 1 | 1 | 0 | PT-OGR1L-WP | WP Oil and Grease 1L | WP0924 | 8259-103 |
| 1 | 1 | 0 | PT-CL-WP | WP Residual Chlorine | WP0924 | 8259-13 |
| 1 | 1 | 0 | PT-PH-WP | WP pH | WP0924 | 8259-15 |
| 1 | 1 | 0 | PT-CN-WP | WP Cyanide | WP0924 | 8259-14 |
| 1 | 1 | 0 | PT-PHEN-WP | WP Phenolics | WP0924 | 8259-16 |

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Certified Reference Materials

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

# Packing List

| Date | Order # |
|---|---|
| 09/03/2024 | 318988 |

**Ship To**

Received by: SJ
9/5/2024
9:50

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| 240802-01 | 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 | WP0924 | 8259-22 |
| 1 | 1 | 0 | PT-SSOL-WP | WP Settleable Solids | WP0924 | 8259-17 |
| 1 | 1 | 0 | PT-VSOL-WP | WP Volatile Solids | WP0924 | 8259-18 |
| 1 | 1 | 0 | PT-TURB-WP | WP Turbidity | WP0924 | 8259-20 |
| 1 | 1 | 0 | PT-SIO2-WP | WP Silica | WP0924 | 8259-21 |
| 1 | 1 | 0 | PT-COL-WP | WP Color | WP0924 | 8259-51 |
| 1 | 1 | 0 | PT-VOA-WP | WP Volatiles | WP0924 | 8259-26 |
| 1 | 1 | 0 | PT-BN-WP | WP Base Neutrals | WP0924 | 8259-27 |
| 1 | 1 | 0 | PT-ACIDS-WP | WP Acids | WP0924 | 8259-28 |
| 1 | 1 | 0 | PT-PEST-WP | WP Pesticides | WP0924 | 8259-29 |
| 1 | 1 | 0 | PT-CHLR-WP | WP Chlordane | WP0924 | 8259-30 |
| 1 | 1 | 0 | PT-TXP-WP | WP Toxaphene | WP0924 | 8259-31 |
| 1 | 1 | 0 | PT-PCBW-WP | WP PCBs in Water | WP0924 | 8259-32 |
| 1 | 1 | 0 | PT-HERB-WP | WP Herbicides | WP0924 | 8259-36 |
| 1 | 1 | 0 | RR-TPH1L-WP | WP TPH 1L | R39151 | R39151-104 |
| 1 | 1 | 0 | RR-PAH-WP | WP PAH-Low Level | R39151 | R39151-37 |
| 1 | 1 | 0 | RR-GAS-WP | WP Gasoline Range Organics | R39151 | R39151-62 |
| 1 | 1 | 0 | RR-DIES-WP | WP Diesel Range Organics | R39151 | R39151-63 |
| 1 | 1 | 0 | RR-8011-WP | WP EDB/DBCP/TCP | R39151 | R39151-98 |
| 1 | 1 | 0 | RR-TRIAZINE-WP | WP Triazine Pesticides | R39151 | R39151-108 |

CHEMTECH 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 (L-A-B) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255423 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |