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

# DATA PACKAGE

## SEMI-VOLATILE ORGANICS

**PROJECT NAME : CTO WE13**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

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

**ORDER ID : P5316**

**ATTENTION : Ernie Wu**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** P5316

**Project ID :** CTO WE13

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

| Lab Sample Number | Client Sample Number |
|---|---|
| P5316-01 | TT-304-IDWSO-20241217-1 |
| P5316-02 | TT-304-IDWSO-20241217-2 |
| P5316-03 | TT-304-IDWSO-20241217-3 |
| P5316-04 | TT-304-IDWSO-20241217-4 |

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

Signature : _____

**APPROVED**

Date: 12/28/2024

*By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Tetra Tech NUS, Inc.**
**Project Name: CTO WE13**
**Project Manager: Ernie Wu**
**Chemtech Project # P5316**
**Test Name: SVOCMS Group2**

**A. Number of Samples and Date of Receipt:**
4 Solid samples were received on 12/17/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group2 and VOCMS Group4. 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 analysis of SVOCMS Group2 was based on method 8270E and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for TT-304-IDWSO-20241217-1 [Terphenyl-d14 - 48%], as per method two surrogates are allowed to failed, no corrective action was taken..

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF140942.D met the requirements except for Benzo(g,h,i)perylene,Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene. The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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The Tuning criteria met requirements.

**E. Additional Comments:**
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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_____

***APPROVED***
*By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025*

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

# DATA REPORTING QUALIFIERS- ORGANIC

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

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

# 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: P5316 MATRIX: Solid

METHOD: 8270E/3541

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. | GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ) | | | ✓ |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series. | | | ✓ |
| 4. | GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series. | | | ✓ |
| 5. | GC/MS Calibration Requirements. | | ✓ | |
| | The Initial Calibration met the requirements . The Continuous Calibration File ID BF140942.D met the requirements except for Benzo(g,h,i)perylene,Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene. The associate samples have no positive hit for these compounds therefore no corrective action was taken. | | | |
| 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. | | | |
| | The Surrogate recoveries met the acceptable criteria except for TT-304-IDWSO-20241217-1 [Terphenyl-d14 - 48%], as per method two surrogates are allowed to failed, no corrective action was taken.. . | | | |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| | The Blank Spike met requirements for all samples . | | | |

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

| | | NA | NO | YES |
|---|---|---|---|---|
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| | Comments: | | | |
| 10. | Extraction Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |
| 11. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:

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

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

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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.

APPROVED 01/03/2025
By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

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 #:** P5316

| | 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:** MOHAMMAD AHMED **Date:** 01/03/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P5316 | **OrderDate:** | 12/17/2024 3:44:00 PM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | CTO WE13 |
| **Contact:** | Ernie Wu | **Location:** | L51,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P5316-01** | **TT-304-IDWSO-20241217-1** | **SOIL** | | | **12/17/24** | | | **12/17/24** |
| | | | SVOCMS Group2 | 8270E | | 12/18/24 | 12/20/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P5316

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

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

# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** P5316

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

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| P5306-09MS | OU4-VSL-11-121224MS | 2-Fluorophenol | 150 | 131 | 88 | | 35 | 115 |
| | | Phenol-d6 | 150 | 134 | 90 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 89.0 | 89 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 84.0 | 84 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 122 | 82 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 91.0 | 91 | | 54 | 127 |
| P5306-09MSD | OU4-VSL-11-121224MSD | 2-Fluorophenol | 150 | 142 | 95 | | 35 | 115 |
| | | Phenol-d6 | 150 | 140 | 94 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 89.7 | 90 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 86.8 | 87 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 134 | 90 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 92.3 | 92 | | 54 | 127 |
| P5316-01 | TT-304-IDWSO-20241217-1 | 2-Fluorophenol | 150 | 92.6 | 62 | | 35 | 115 |
| | | Phenol-d6 | 150 | 97.5 | 65 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 59.0 | 59 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 56.2 | 56 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 86.1 | 57 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 48.0 | 48 | * | 54 | 127 |
| PB165705BL | PB165705BL | 2-Fluorophenol | 150 | 150 | 100 | | 35 | 115 |
| | | Phenol-d6 | 150 | 153 | 102 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 107 | 107 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 103 | 103 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 146 | 97 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 110 | 110 | | 54 | 127 |
| PB165705BS | PB165705BS | 2-Fluorophenol | 150 | 143 | 96 | | 35 | 115 |
| | | Phenol-d6 | 150 | 136 | 91 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 91.6 | 92 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 105 | 105 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 135 | 90 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 121 | 121 | | 54 | 127 |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** P5316

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: P5306-09MS** | | **Client Sample ID: OU4-VSL-11-121224MS** | | | | | | **DataFile: BF140948.D** | | | |
| Phenol | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 34 | 121 | |
| 2-Methylphenol | 1800 | 0 | 1900 | ug/Kg | 106 | | | | 32 | 122 | |
| 3+4-Methylphenols | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 34 | 119 | |
| Naphthalene | 1800 | 0 | 1800 | ug/Kg | 100 | | | | 35 | 123 | |
| Acenaphthylene | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 32 | 132 | |
| Acenaphthene | 1800 | 0 | 1900 | ug/Kg | 106 | | | | 40 | 123 | |
| Fluorene | 1800 | 0 | 1800 | ug/Kg | 100 | | | | 43 | 125 | |
| Pentachlorophenol | 3500 | 0 | 2800 | ug/Kg | 80 | | | | 25 | 133 | |
| Anthracene | 1800 | 0 | 1900 | ug/Kg | 106 | | | | 47 | 123 | |
| Fluoranthene | 1800 | 0 | 1700 | ug/Kg | 94 | | | | 50 | 127 | |
| Pyrene | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 47 | 127 | |
| Benzo(a)anthracene | 1800 | 0 | 1900 | ug/Kg | 106 | | | | 49 | 126 | |
| Chrysene | 1800 | 0 | 1800 | ug/Kg | 100 | | | | 50 | 124 | |
| Benzo(b)fluoranthene | 1800 | 0 | 1700 | ug/Kg | 94 | | | | 45 | 132 | |
| Benzo(k)fluoranthene | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 47 | 132 | |
| Benzo(a)pyrene | 1800 | 0 | 2000 | ug/Kg | 111 | | | | 45 | 129 | |
| Indeno(1,2,3-cd)pyrene | 1800 | 0 | 2400 | ug/Kg | 133 | | | | 45 | 133 | |
| Dibenz(a,h)anthracene | 1800 | 0 | 2300 | ug/Kg | 128 | | | | 45 | 134 | |
| Benzo(g,h,i)perylene | 1800 | 0 | 2200 | ug/Kg | 122 | | | | 43 | 134 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** P5316

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

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: P5306-09MSD** | | **Client Sample ID: OU4-VSL-11-121224MSD** | | | | | | **DataFile: BF140949.D** | | | |
| Phenol | 1800 | 0 | 2100 | ug/Kg | 117 | | 5 | | 34 | 121 | 20 |
| 2-Methylphenol | 1800 | 0 | 2000 | ug/Kg | 111 | | 5 | | 32 | 122 | 20 |
| 3+4-Methylphenols | 1800 | 0 | 2000 | ug/Kg | 111 | | 0 | | 34 | 119 | 20 |
| Naphthalene | 1800 | 0 | 1900 | ug/Kg | 106 | | 6 | | 35 | 123 | 20 |
| Acenaphthylene | 1800 | 0 | 2100 | ug/Kg | 117 | | 5 | | 32 | 132 | 20 |
| Acenaphthene | 1800 | 0 | 2000 | ug/Kg | 111 | | 5 | | 40 | 123 | 20 |
| Fluorene | 1800 | 0 | 1900 | ug/Kg | 106 | | 6 | | 43 | 125 | 20 |
| Pentachlorophenol | 3600 | 0 | 3000 | ug/Kg | 83 | | 4 | | 25 | 133 | 20 |
| Anthracene | 1800 | 0 | 2200 | ug/Kg | 122 | | 14 | | 47 | 123 | 20 |
| Fluoranthene | 1800 | 0 | 2000 | ug/Kg | 111 | | 17 | | 50 | 127 | 20 |
| Pyrene | 1800 | 0 | 2000 | ug/Kg | 111 | | 0 | | 47 | 127 | 20 |
| Benzo(a)anthracene | 1800 | 0 | 1900 | ug/Kg | 106 | | 0 | | 49 | 126 | 20 |
| Chrysene | 1800 | 0 | 1900 | ug/Kg | 106 | | 6 | | 50 | 124 | 20 |
| Benzo(b)fluoranthene | 1800 | 0 | 1900 | ug/Kg | 106 | | 12 | | 45 | 132 | 20 |
| Benzo(k)fluoranthene | 1800 | 0 | 2000 | ug/Kg | 111 | | 0 | | 47 | 132 | 20 |
| Benzo(a)pyrene | 1800 | 0 | 2100 | ug/Kg | 117 | | 5 | | 45 | 129 | 20 |
| Indeno(1,2,3-cd)pyrene | 1800 | 0 | 2400 | ug/Kg | 133 | | 0 | | 45 | 133 | 20 |
| Dibenz(a,h)anthracene | 1800 | 0 | 2400 | ug/Kg | 133 | | 4 | | 45 | 134 | 20 |
| Benzo(g,h,i)perylene | 1800 | 0 | 2200 | ug/Kg | 122 | | 0 | | 43 | 134 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P5316

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

**Analytical Method:** 8270E **DataFile:** BF140944.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB165705BS | Phenol | 1700 | 1600 | ug/Kg | 94 | | | | 34 | 121 | |
| | 2-Methylphenol | 1700 | 1600 | ug/Kg | 94 | | | | 32 | 122 | |
| | 3+4-Methylphenols | 1700 | 1700 | ug/Kg | 100 | | | | 34 | 119 | |
| | Naphthalene | 1700 | 1600 | ug/Kg | 94 | | | | 35 | 123 | |
| | Acenaphthylene | 1700 | 1800 | ug/Kg | 106 | | | | 32 | 132 | |
| | Acenaphthene | 1700 | 1800 | ug/Kg | 106 | | | | 40 | 123 | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 43 | 125 | |
| | Pentachlorophenol | 3300 | 2900 | ug/Kg | 88 | | | | 25 | 133 | |
| | Anthracene | 1700 | 2000 | ug/Kg | 118 | | | | 47 | 123 | |
| | Fluoranthene | 1700 | 1900 | ug/Kg | 112 | | | | 50 | 127 | |
| | Pyrene | 1700 | 1900 | ug/Kg | 112 | | | | 47 | 127 | |
| | Benzo(a)anthracene | 1700 | 1800 | ug/Kg | 106 | | | | 49 | 126 | |
| | Chrysene | 1700 | 1800 | ug/Kg | 106 | | | | 50 | 124 | |
| | Benzo(b)fluoranthene | 1700 | 1800 | ug/Kg | 106 | | | | 45 | 132 | |
| | Benzo(k)fluoranthene | 1700 | 1800 | ug/Kg | 106 | | | | 47 | 132 | |
| | Benzo(a)pyrene | 1700 | 1900 | ug/Kg | 112 | | | | 45 | 129 | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 2200 | ug/Kg | 129 | | | | 45 | 133 | |
| | Dibenz(a,h)anthracene | 1700 | 2100 | ug/Kg | 124 | | | | 45 | 134 | |
| | Benzo(g,h,i)perylene | 1700 | 2100 | ug/Kg | 124 | | | | 43 | 134 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165705BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab File ID: BF140943.D Lab Sample ID: PB165705BL

Instrument ID: BNA_F Date Extracted: 12/18/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/20/2024

Level: (low/med) LOW Time Analyzed: 11:41

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB165705BS | PB165705BS | BF140944.D | 12/20/2024 |
| TT-304-IDWSO-20241217-1 | P5316-01 | BF140945.D | 12/20/2024 |
| OU4-VSL-11-121224MS | P5306-09MS | BF140948.D | 12/20/2024 |
| OU4-VSL-11-121224MSD | P5306-09MSD | BF140949.D | 12/20/2024 |

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P5316 SDG NO.: P5316

Lab File ID: BF140854.D DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:21

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 35.6 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 36 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 48.5 |
| 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 | 6.7 |
| 275 | 10.0 - 60.0% of mass 198 | 28.9 |
| 365 | Greater than 1% of mass 198 | 3.7 |
| 441 | Present, but less than mass 443 | 13.6 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 16.9 (19.4) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF140855.D | 12/16/2024 | 12:13 |
| SSTDICC005 | SSTDICC005 | BF140856.D | 12/16/2024 | 12:39 |
| SSTDICC010 | SSTDICC010 | BF140857.D | 12/16/2024 | 13:05 |
| SSTDICC020 | SSTDICC020 | BF140858.D | 12/16/2024 | 14:00 |
| SSTDICCC040 | SSTDICCC040 | BF140859.D | 12/16/2024 | 14:26 |
| SSTDICC050 | SSTDICC050 | BF140860.D | 12/16/2024 | 15:23 |
| SSTDICC060 | SSTDICC060 | BF140861.D | 12/16/2024 | 15:49 |
| SSTDICC080 | SSTDICC080 | BF140862.D | 12/16/2024 | 16:15 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P5316 SDG NO.: P5316

Lab File ID: BF140941.D DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:47

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 29.6 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 32.2 |
| 70 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 44.8 |
| 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 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 30.8 |
| 365 | Greater than 1% of mass 198 | 3.7 |
| 441 | Present, but less than mass 443 | 16.2 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 18.7 (18.7) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF140942.D | 12/20/2024 | 11:15 |
| PB165705BL | PB165705BL | BF140943.D | 12/20/2024 | 11:41 |
| PB165705BS | PB165705BS | BF140944.D | 12/20/2024 | 12:07 |
| TT-304-IDWSO-20241217-1 | P5316-01 | BF140945.D | 12/20/2024 | 12:51 |
| OU4-VSL-11-121224MS | P5306-09MS | BF140948.D | 12/20/2024 | 14:10 |
| OU4-VSL-11-121224MSD | P5306-09MSD | BF140949.D | 12/20/2024 | 14:36 |
| SSTDCCC040EC | SSTDCCC040 | BF140959.D | 12/20/2024 | 19:24 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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 | 74814 | 6.851 | 271589 | 8.13 | 162319 | 9.89 |
| | UPPER LIMIT | 149628 | 7.351 | 543178 | 8.634 | 324638 | 10.386 |
| | LOWER LIMIT | 37407 | 6.351 | 135795 | 7.634 | 81159.5 | 9.386 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB165705BL | 64872 | 6.85 | 228592 | 8.13 | 136709 | 9.89 |
| 02 | PB165705BS | 71247 | 6.85 | 255665 | 8.13 | 141292 | 9.89 |
| 03 | TT-304-IDWSO-20241217-1 | 57889 | 6.85 | 220576 | 8.13 | 122567 | 9.89 |
| 04 | OU4-VSL-11-121224MS | 55385 | 6.85 | 209218 | 8.13 | 115521 | 9.89 |
| 05 | OU4-VSL-11-121224MSD | 45949 | 6.85 | 175670 | 8.13 | 102157 | 9.89 |

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.: P5316 SAS No.: P5316 SDG NO.: P5316

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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 | 282660 | 11.38 | 164316 | 14.033 | 129329 | 15.533 |
| | UPPER LIMIT | 565320 | 11.88 | 328632 | 14.533 | 258658 | 16.033 |
| | LOWER LIMIT | 141330 | 10.88 | 82158 | 13.533 | 64664.5 | 15.033 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB165705BL | 270487 | 11.38 | 174504 | 14.03 | 118300 | 15.52 |
| 02 | PB165705BS | 237962 | 11.38 | 149220 | 14.03 | 113763 | 15.52 |
| 03 | TT-304-IDWSO-20241217-1 | 209736 | 11.37 | 174197 | 14.03 | 135546 | 15.53 |
| 04 | OU4-VSL-11-121224MS | 219277 | 11.38 | 133308 | 14.03 | 114231 | 15.52 |
| 05 | OU4-VSL-11-121224MSD | 188148 | 11.38 | 131096 | 14.05 | 113765 | 15.56 |

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

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

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

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/17/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | TT-304-IDWSO-20241217-1 | SDG No.: | P5316 |
| Lab Sample ID: | P5316-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 68.6 |
| Sample Wt/Vol: | 30.04 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140945.D | 1 | 12/18/24 11:35 | 12/20/24 12:51 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 108-95-2 | Phenol | 190 | U | 120 | 190 | 250 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 190 | U | 120 | 190 | 250 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 390 | U | 120 | 390 | 480 | ug/Kg |
| 91-20-3 | Naphthalene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 208-96-8 | Acenaphthylene | 190 | U | 130 | 190 | 250 | ug/Kg |
| 83-32-9 | Acenaphthene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 86-73-7 | Fluorene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 390 | U | 110 | 390 | 480 | ug/Kg |
| 120-12-7 | Anthracene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 206-44-0 | Fluoranthene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 129-00-0 | Pyrene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 218-01-9 | Chrysene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 190 | U | 140 | 190 | 250 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 190 | U | 110 | 190 | 250 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 190 | U | 120 | 190 | 250 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 190 | U | 120 | 190 | 250 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 92.6 | | 35 - 115 | | 62% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 97.5 | | 34 - 127 | | 65% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 59.0 | | 37 - 122 | | 59% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 56.2 | | 44 - 115 | | 56% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 86.1 | | 39 - 132 | | 57% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 48.0 | * | 54 - 127 | | 48% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 57900 | 6.845 | | | | |
| 1146-65-2 | Naphthalene-d8 | 221000 | 8.128 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/17/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | TT-304-IDWSO-20241217-1 | SDG No.: | P5316 |
| Lab Sample ID: | P5316-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 68.6 |
| Sample Wt/Vol: | 30.04 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140945.D | 1 | 12/18/24 11:35 | 12/20/24 12:51 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 15067-26-2 | Acenaphthene-d10 | 123000 | 9.886 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 210000 | 11.374 | | | | |
| 1719-03-5 | Chrysene-d12 | 174000 | 14.033 | | | | |
| 1520-96-3 | Perylene-d12 | 136000 | 15.533 | | | | |

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\BF122024\
Data File : BF140945.D
Acq On : 20 Dec 2024 12:51
Operator : RC/JU
Sample : P5316-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Quant Time: Dec 20 13:12:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

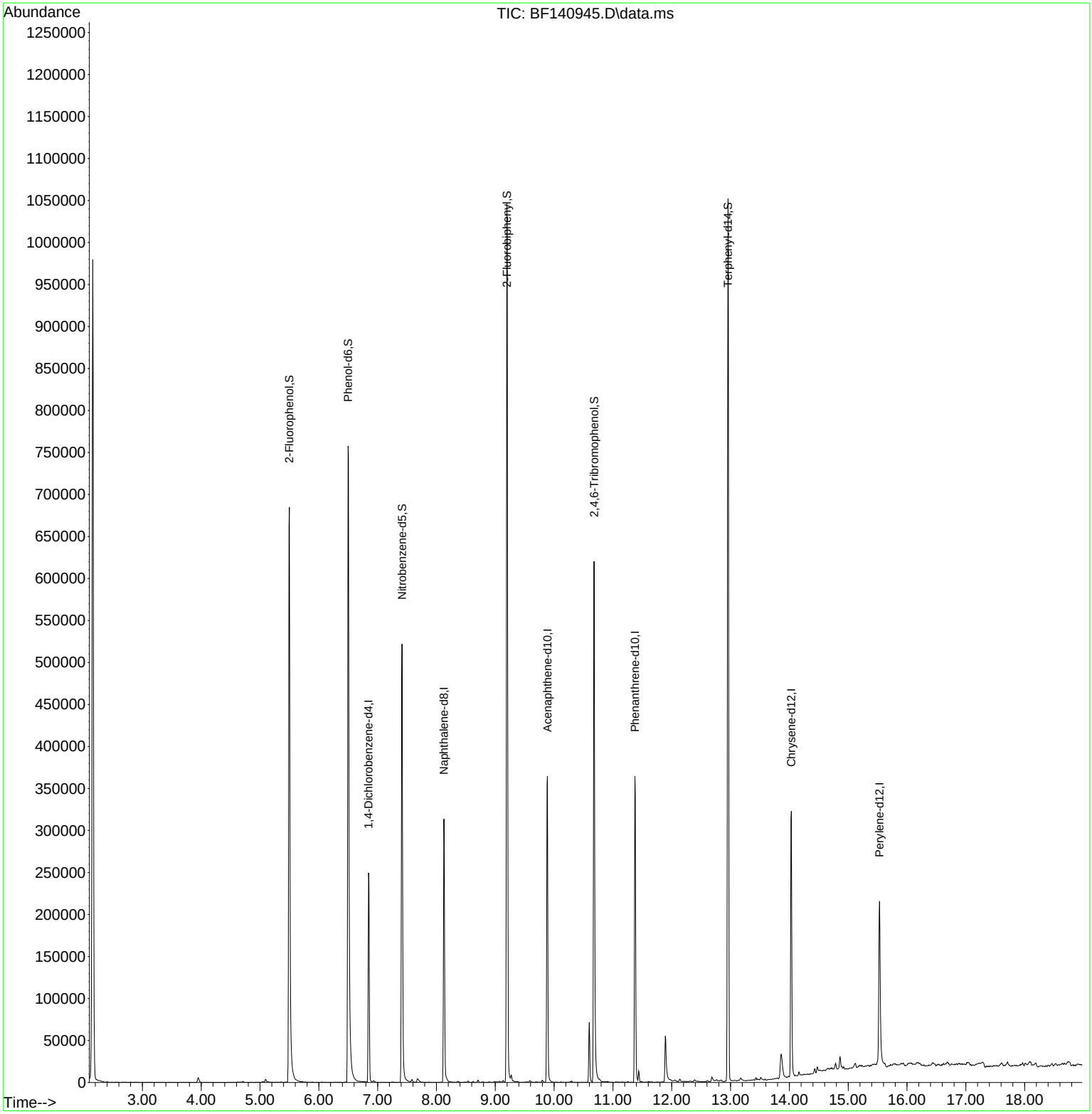
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 57889 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 220576 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 122567 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.374 | 188 | 209736 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 174197 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 135546 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 325649 | 92.604 | ng | 0.01 |
| 7) Phenol-d6 | 6.498 | 99 | 453959 | 97.464 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 260205 | 59.020 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.680 | 330 | 124785 | 86.081 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 501263 | 56.227 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 529929 | 47.970 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

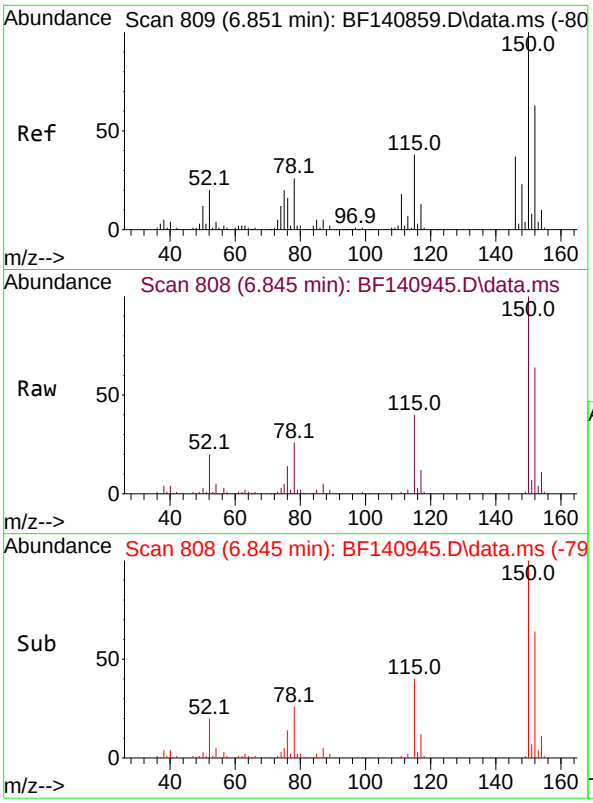
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140945.D
Acq On : 20 Dec 2024 12:51
Operator : RC/JU
Sample : P5316-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Quant Time: Dec 20 13:12:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



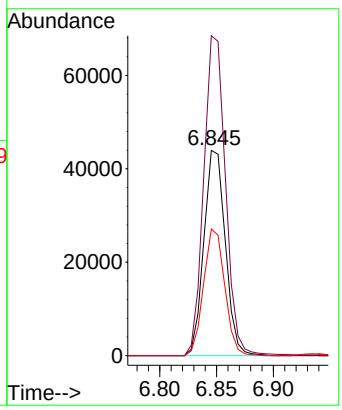


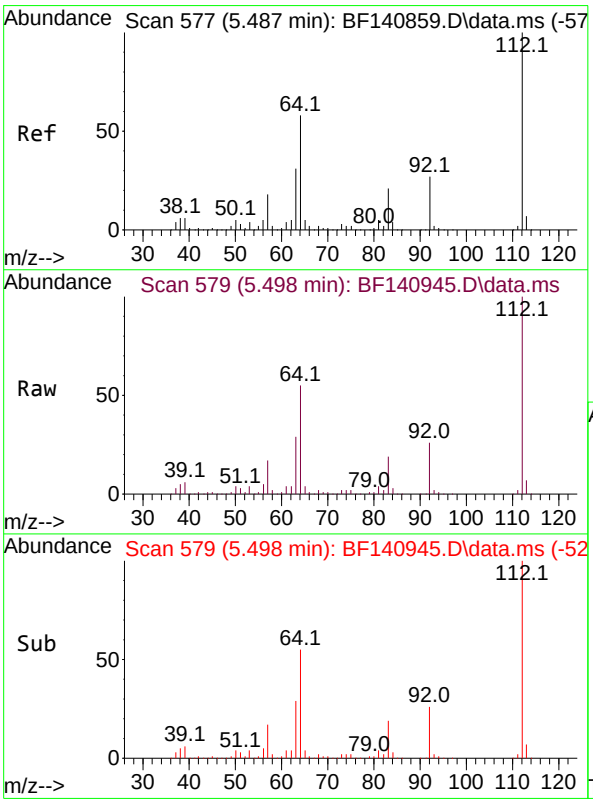

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion:152 Resp: 57889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 127.9 | 191.9 |
| 115 | 61.7 | 48.0 | 72.0 |

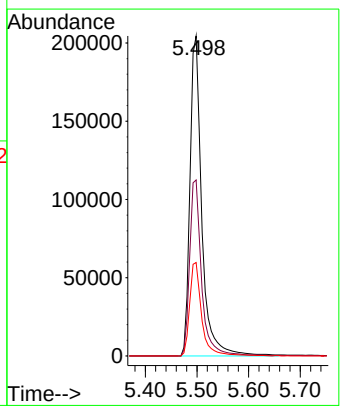


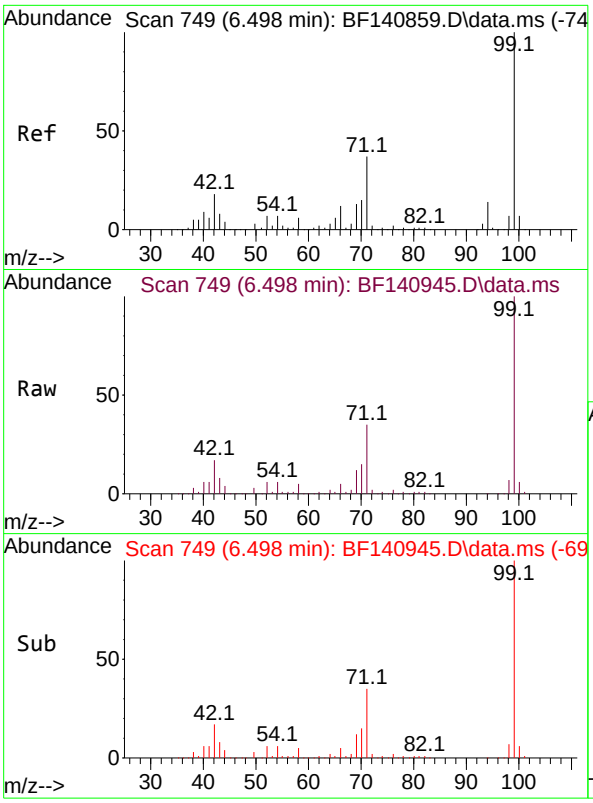




#5
2-Fluorophenol
Concen: 92.604 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:112 Resp: 325649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.0 | 46.1 | 69.1 |
| 63 | 29.2 | 24.9 | 37.3 |



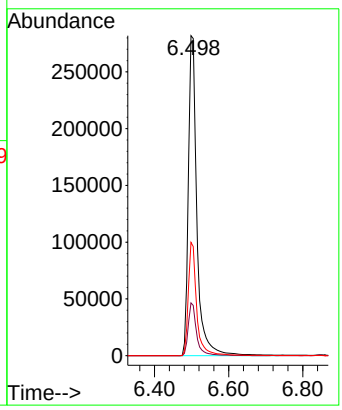


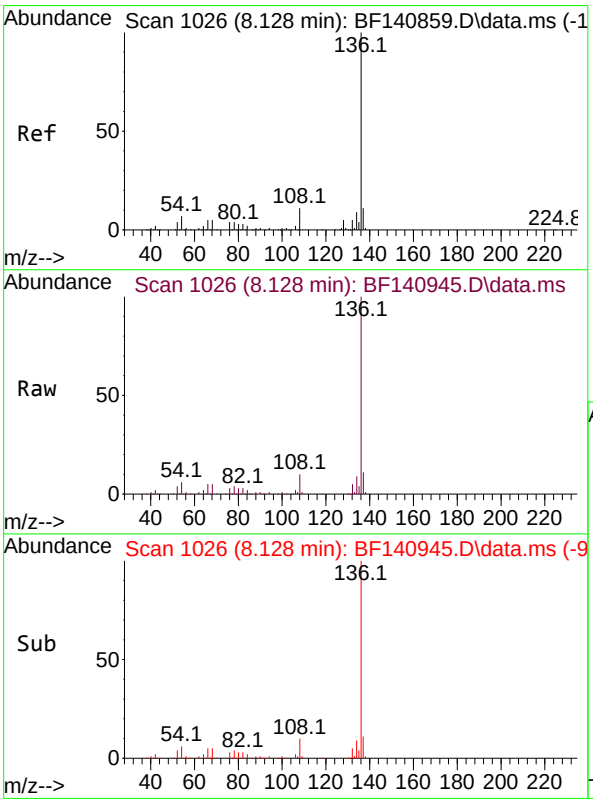

#7
Phenol-d6
Concen: 97.464 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion: 99 Resp: 453959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.5 | 14.3 | 21.5 |
| 71 | 35.4 | 29.9 | 44.9 |

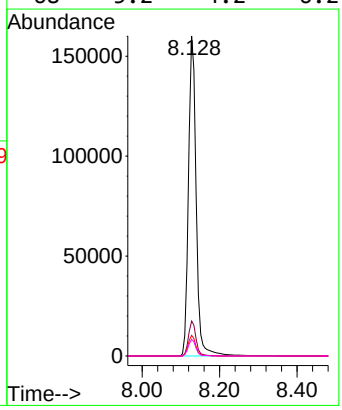


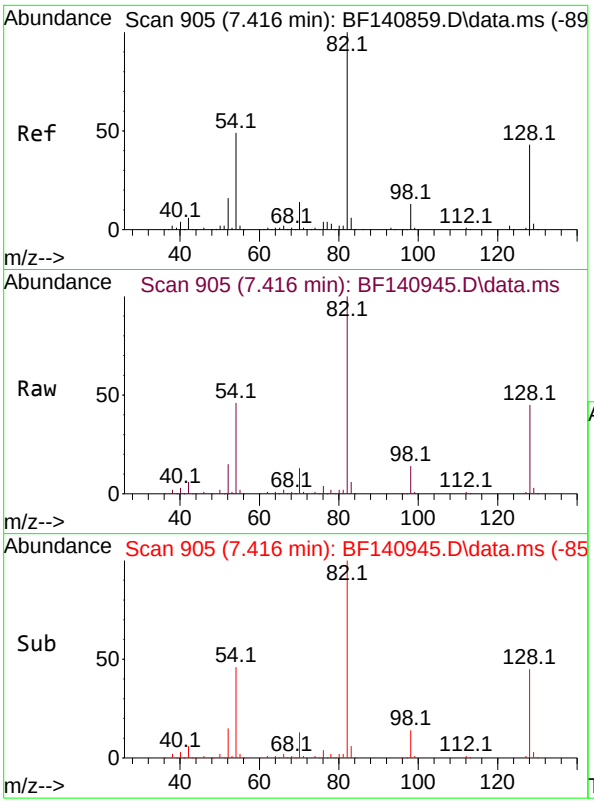




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:136 Resp: 220576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.5 | 5.6 | 8.4 |
| 68 | 5.2 | 4.2 | 6.2 |



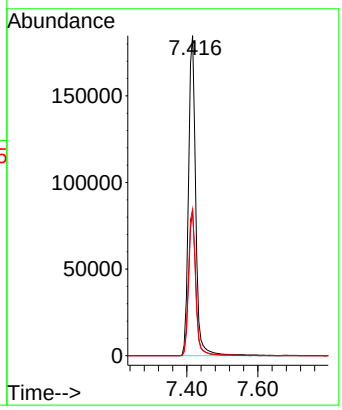


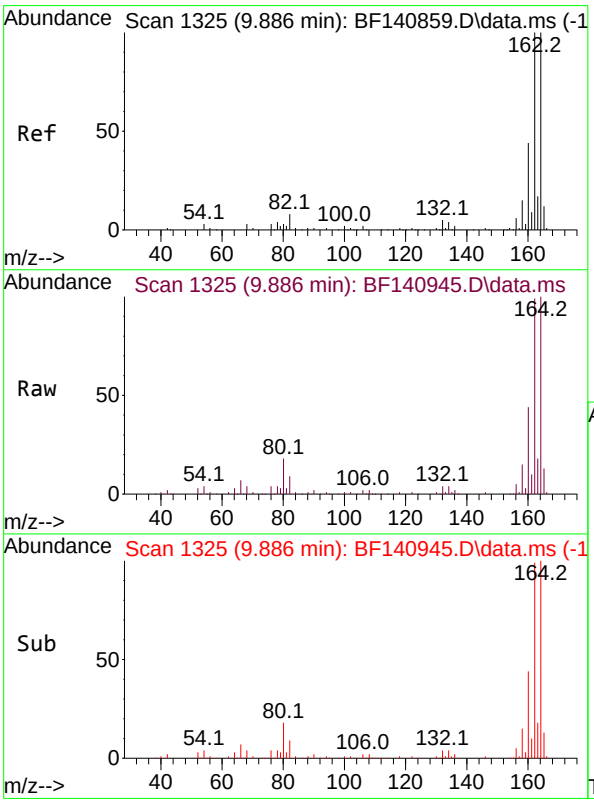

#23
Nitrobenzene-d5
Concen: 59.020 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion: 82 Resp: 260205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 34.4 | 51.6 |
| 54 | 45.8 | 38.8 | 58.2 |

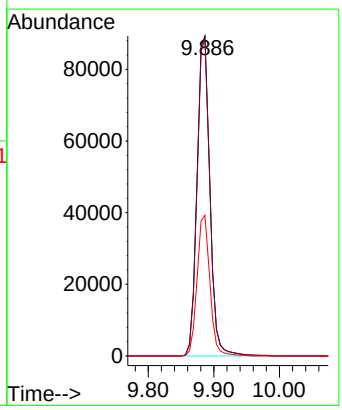


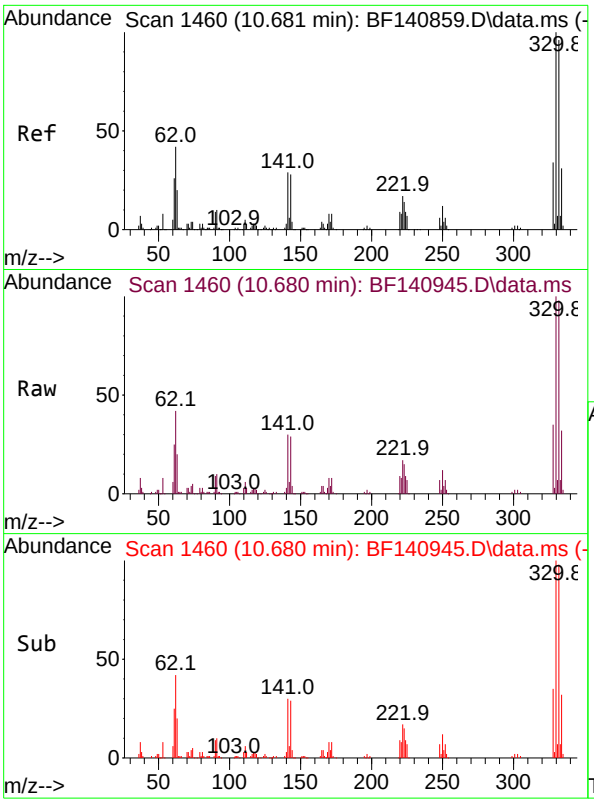




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:164 Resp: 122567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 79.9 | 119.9 |
| 160 | 43.9 | 35.2 | 52.8 |



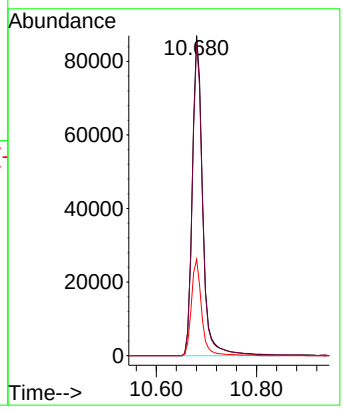


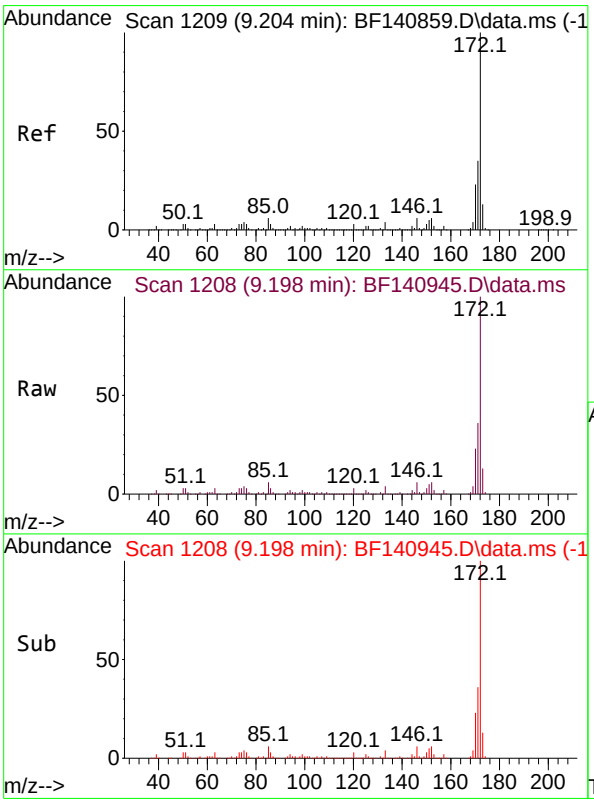

#42
2,4,6-Tribromophenol
Concen: 86.081 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion:330 Resp: 124785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.2 | 114.4 |
| 141 | 29.8 | 24.9 | 37.3 |

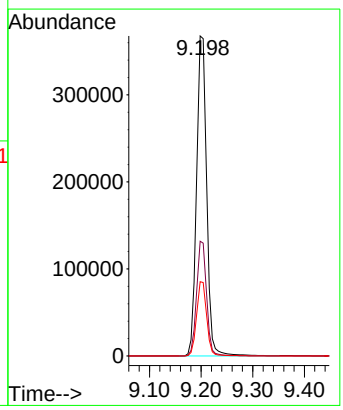


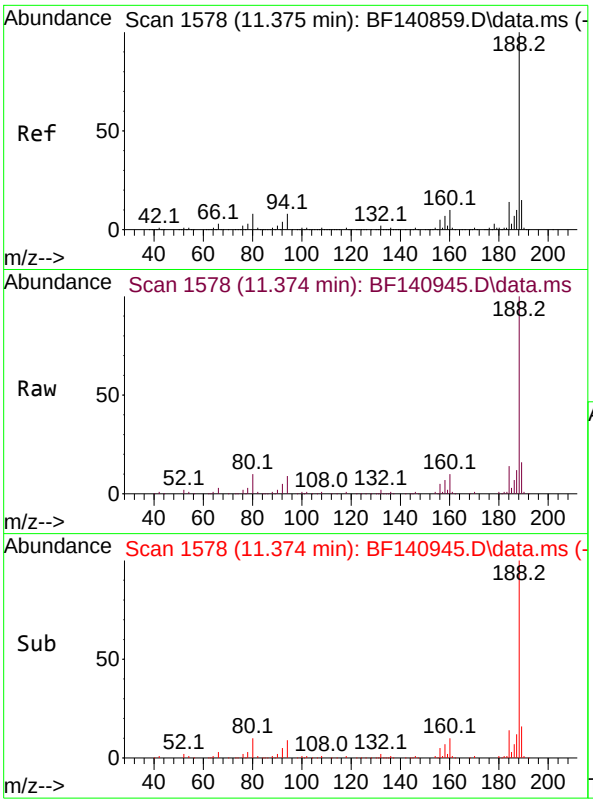




#45
2-Fluorobiphenyl
Concen: 56.227 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:172 Resp: 501263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.4 | 42.6 |
| 170 | 23.2 | 18.6 | 28.0 |



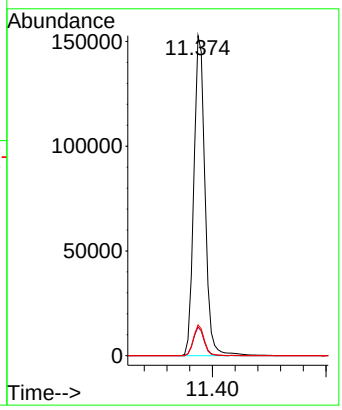


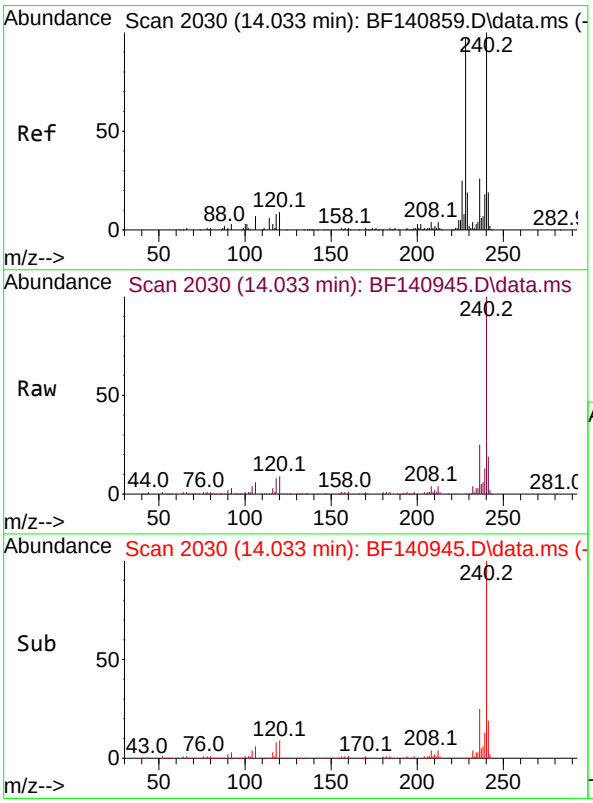

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion:188 Resp: 209736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 6.4 | 9.6 |
| 80 | 9.6 | 6.8 | 10.2 |

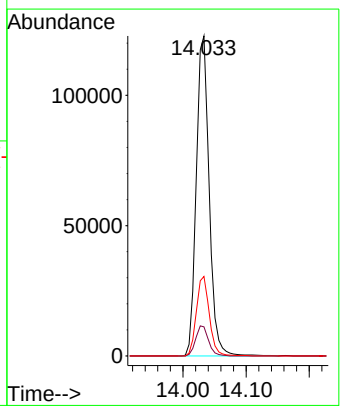


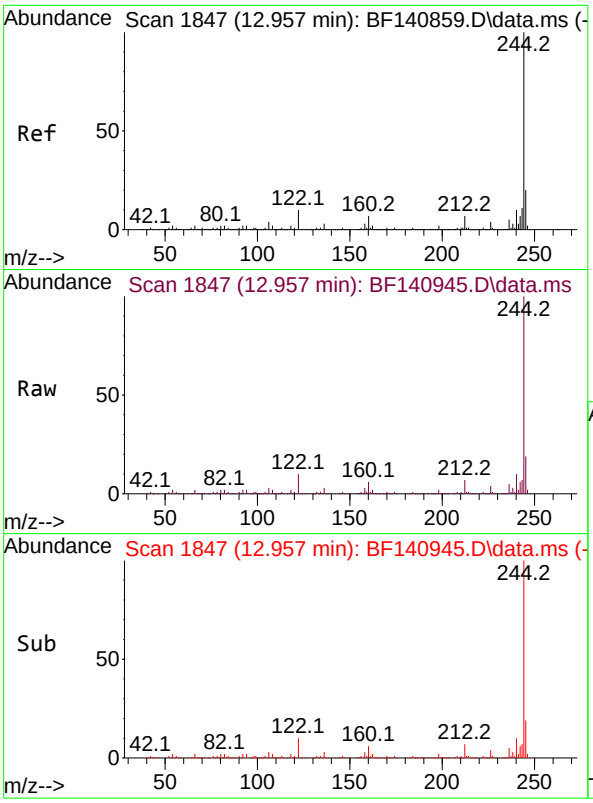




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:240 Resp: 174197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.6 | 11.4 |
| 236 | 24.8 | 20.5 | 30.7 |



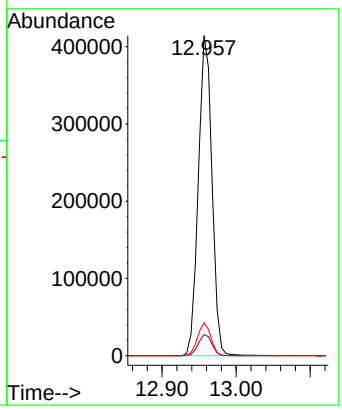


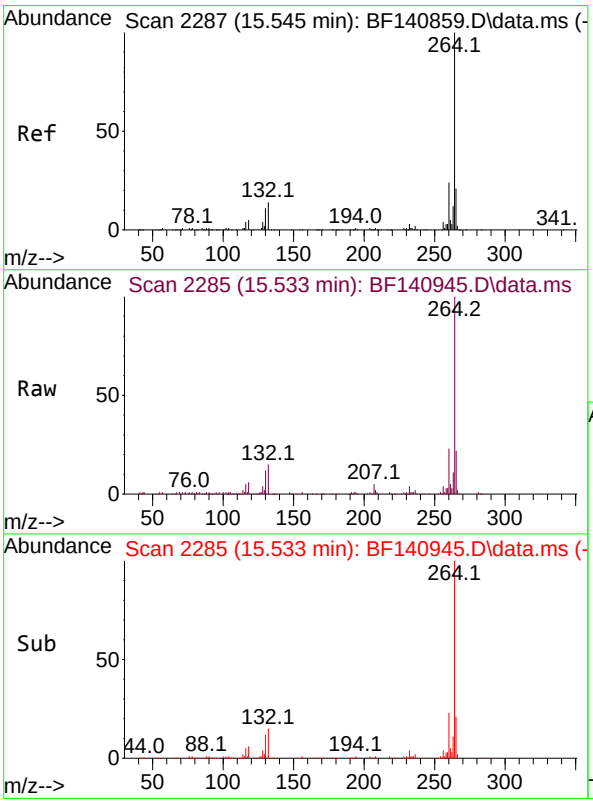

#79
Terphenyl-d14
Concen: 47.970 ng
RT: 12.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

**Instrument :**
BNA_F
**ClientSampleId :**
TT-304-IDWSO-20241217-1

Tgt Ion:244 Resp: 529929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 10.3 | 8.2 | 12.2 |

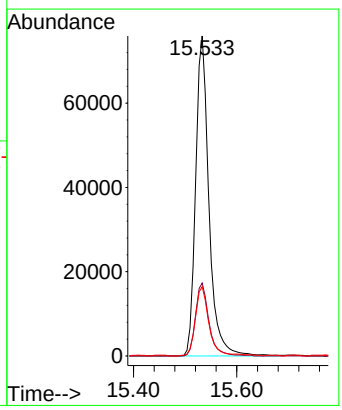



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140945.D
Acq: 20 Dec 2024 12:51

Tgt Ion:264 Resp: 135546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.8 | 19.1 | 28.7 |
| 265 | 21.7 | 17.0 | 25.4 |



# CALIBRATION SUMMARY

# Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140855.D 5 =BF140856.D 10 =BF140857.D 20 =BF140858.D 40 =BF140859.D 50 =BF140860.D 60 =BF140861.D 80 =BF1408
62.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ISTD | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.547 | 0.536 | 0.537 | 0.503 | 0.520 | 0.527 | 0.492 | 0.523 | 3.76 |
| 3) | | Pyridine | | 1.203 | 1.182 | 1.284 | 1.222 | 1.221 | 1.235 | 1.136 | 1.212 | 3.78 |
| 4) | | n-Nitrosodimet... | | 0.598 | 0.593 | 0.626 | 0.603 | 0.621 | 0.648 | 0.587 | 0.611 | 3.58 |
| 5) | S | 2-Fluorophenol | | 1.211 | 1.236 | 1.279 | 1.199 | 1.231 | 1.242 | 1.107 | 1.215 | 4.45 |
| 6) | | Aniline | | 1.408 | 1.461 | 1.448 | 1.374 | 1.364 | 1.369 | 1.208 | 1.376 | 6.06 |
| 7) | S | Phenol-d6 | | 1.692 | 1.661 | 1.661 | 1.567 | 1.576 | 1.623 | 1.485 | 1.609 | 4.45 |
| 8) | | 2-Chlorophenol | | 1.343 | 1.379 | 1.357 | 1.301 | 1.313 | 1.351 | 1.230 | 1.325 | 3.75 |
| 9) | | Benzaldehyde | | 1.048 | 1.051 | 0.993 | 0.864 | 0.823 | 0.800 | 0.663 | 0.892 | 16.27 |
| 10) | C | Phenol | | 1.756 | 1.690 | 1.733 | 1.630 | 1.643 | 1.688 | 1.534 | 1.668 | 4.44 |
| 11) | | bis(2-Chloroet... | | 1.277 | 1.242 | 1.281 | 1.227 | 1.237 | 1.267 | 1.176 | 1.244 | 2.93 |
| 12) | | 1,3-Dichlorobe... | | 1.584 | 1.540 | 1.557 | 1.469 | 1.495 | 1.530 | 1.394 | 1.510 | 4.21 |
| 13) | C | 1,4-Dichlorobe... | | 1.607 | 1.601 | 1.583 | 1.497 | 1.495 | 1.546 | 1.397 | 1.532 | 4.91 |
| 14) | | 1,2-Dichlorobe... | | 1.521 | 1.495 | 1.509 | 1.436 | 1.403 | 1.434 | 1.322 | 1.446 | 4.86 |
| 15) | | Benzyl Alcohol | | 1.146 | 1.143 | 1.236 | 1.150 | 1.143 | 1.179 | 1.056 | 1.151 | 4.64 |
| 16) | | 2,2'-oxybis(1-... | | 1.563 | 1.495 | 1.519 | 1.438 | 1.438 | 1.443 | 1.359 | 1.465 | 4.53 |
| 17) | | 2-Methylphenol | | 1.081 | 1.105 | 1.080 | 1.039 | 1.039 | 1.067 | 0.993 | 1.058 | 3.51 |
| 18) | | Hexachloroethane | | 0.600 | 0.580 | 0.585 | 0.556 | 0.557 | 0.580 | 0.535 | 0.570 | 3.86 |
| 19) | P | n-Nitroso-di-n... | 1.005 | 1.030 | 1.004 | 0.999 | 0.922 | 0.938 | 0.949 | 0.873 | 0.965 | 5.52 |
| 20) | | 3+4-Methylphenols | | 1.503 | 1.491 | 1.440 | 1.355 | 1.360 | 1.396 | 1.273 | 1.403 | 5.82 |
| 21) | I | Naphthalene-d8 | ISTD | | | | | | | | | |
| 22) | | Acetophenone | | 0.526 | 0.503 | 0.520 | 0.493 | 0.496 | 0.518 | 0.446 | 0.500 | 5.41 |
| 23) | S | Nitrobenzene-d5 | | 0.406 | 0.401 | 0.420 | 0.393 | 0.397 | 0.415 | 0.366 | 0.400 | 4.42 |
| 24) | | Nitrobenzene | | 0.418 | 0.411 | 0.425 | 0.402 | 0.408 | 0.429 | 0.375 | 0.410 | 4.40 |
| 25) | | Isophorone | | 0.681 | 0.672 | 0.690 | 0.651 | 0.664 | 0.700 | 0.631 | 0.670 | 3.55 |
| 26) | C | 2-Nitrophenol | | 0.183 | 0.185 | 0.193 | 0.187 | 0.191 | 0.201 | 0.180 | 0.189 | 3.79 |
| 27) | | 2,4-Dimethylph... | | 0.221 | 0.220 | 0.225 | 0.220 | 0.219 | 0.228 | 0.210 | 0.220 | 2.61 |
| 28) | | bis(2-Chloroet... | | 0.431 | 0.414 | 0.429 | 0.417 | 0.418 | 0.426 | 0.394 | 0.418 | 3.04 |
| 29) | C | 2,4-Dichloroph... | | 0.300 | 0.310 | 0.313 | 0.299 | 0.301 | 0.316 | 0.290 | 0.304 | 3.07 |
| 30) | | 1,2,4-Trichlor... | | 0.360 | 0.354 | 0.357 | 0.341 | 0.342 | 0.362 | 0.325 | 0.349 | 3.77 |
| 31) | | Naphthalene | | 1.138 | 1.125 | 1.126 | 1.067 | 1.090 | 1.124 | 1.020 | 1.099 | 3.86 |
| 32) | | Benzoic acid | | | 0.173 | 0.192 | 0.212 | 0.220 | 0.237 | 0.220 | 0.209 | 10.98 |
| 33) | | 4-Chloroaniline | | 0.371 | 0.375 | 0.377 | 0.361 | 0.358 | 0.363 | 0.349 | 0.365 | 2.74 |
| 34) | C | Hexachlorobuta... | | 0.239 | 0.235 | 0.244 | 0.232 | 0.233 | 0.239 | 0.219 | 0.235 | 3.42 |
| 35) | | Caprolactam | | 0.085 | 0.090 | 0.090 | 0.090 | 0.089 | 0.092 | 0.097 | 0.091 | 3.88 |
| 36) | C | 4-Chloro-3-met... | | 0.342 | 0.347 | 0.347 | 0.338 | 0.332 | 0.342 | 0.348 | 0.342 | 1.72 |
| 37) | | 2-Methylnaphth... | | 0.744 | 0.734 | 0.740 | 0.721 | 0.700 | 0.719 | 0.729 | 0.727 | 2.08 |
| 38) | | 1-Methylnaphth... | | 0.758 | 0.743 | 0.716 | 0.706 | 0.686 | 0.706 | 0.716 | 0.719 | 3.36 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.622 | 0.573 | 0.641 | 0.580 | 0.576 | 0.622 | 0.689 | 0.615 | 6.88 |
| 41) | P | Hexachlorocycl... | | 0.091 | 0.120 | 0.142 | 0.163 | 0.183 | 0.221 | 0.153 | 30.05 |
| 42) | S | 2,4,6-Tribromo... | 0.235 | 0.236 | 0.242 | 0.240 | 0.235 | 0.243 | 0.225 | 0.237 | 2.56 |
| 43) | C | 2,4,6-Trichlor... | 0.348 | 0.339 | 0.386 | 0.364 | 0.357 | 0.395 | 0.446 | 0.376 | 9.68 |
| 44) | | 2,4,5-Trichlor... | 0.413 | 0.365 | 0.426 | 0.397 | 0.395 | 0.426 | 0.475 | 0.414 | 8.28 |
| 45) | S | 2-Fluorobiphenyl | 1.560 | 1.410 | 1.538 | 1.369 | 1.345 | 1.445 | 1.517 | 1.455 | 5.85 |
| 46) | | 1,1'-Biphenyl | 1.678 | 1.512 | 1.639 | 1.513 | 1.463 | 1.575 | 1.752 | 1.590 | 6.54 |
| 47) | | 2-Chloronaphth... | 1.236 | 1.157 | 1.254 | 1.169 | 1.124 | 1.206 | 1.370 | 1.217 | 6.69 |
| 48) | | 2-Nitroaniline | 0.350 | 0.346 | 0.372 | 0.358 | 0.341 | 0.378 | 0.428 | 0.367 | 8.14 |
| 49) | | Acenaphthylene | 1.874 | 1.821 | 1.880 | 1.734 | 1.696 | 1.783 | 1.727 | 1.788 | 4.09 |
| 50) | | Dimethylphthalate | 1.431 | 1.367 | 1.438 | 1.359 | 1.308 | 1.417 | 1.549 | 1.410 | 5.45 |
| 51) | | 2,6-Dinitrotol... | 0.320 | 0.317 | 0.328 | 0.312 | 0.303 | 0.321 | 0.355 | 0.322 | 5.06 |
| 52) | C | Acenaphthene | 1.228 | 1.190 | 1.166 | 1.113 | 1.100 | 1.148 | 1.049 | 1.142 | 5.25 |
| 53) | | 3-Nitroaniline | 0.322 | 0.316 | 0.328 | 0.316 | 0.325 | 0.325 | 0.307 | 0.320 | 2.29 |
| 54) | P | 2,4-Dinitrophenol | | 0.088 | 0.108 | 0.134 | 0.145 | 0.160 | 0.157 | 0.132 | 21.60 |
| 55) | | Dibenzofuran | 1.920 | 1.876 | 1.830 | 1.728 | 1.705 | 1.746 | 1.583 | 1.770 | 6.48 |
| 56) | P | 4-Nitrophenol | | 0.091 | 0.133 | 0.165 | 0.169 | 0.176 | 0.167 | 0.150 | 21.61 |
| 57) | | 2,4-Dinitrotol... | 0.435 | 0.438 | 0.440 | 0.419 | 0.421 | 0.426 | 0.389 | 0.424 | 4.12 |
| 58) | | Fluorene | 1.573 | 1.522 | 1.492 | 1.444 | 1.429 | 1.425 | 1.335 | 1.460 | 5.29 |
| 59) | | 2,3,4,6-Tetrac... | 0.297 | 0.312 | 0.345 | 0.354 | 0.356 | 0.356 | 0.341 | 0.337 | 6.99 |
| 60) | | Diethylphthalate | 1.562 | 1.484 | 1.496 | 1.439 | 1.446 | 1.461 | 1.346 | 1.462 | 4.48 |
| 61) | | 4-Chlorophenyl... | 0.780 | 0.750 | 0.759 | 0.716 | 0.727 | 0.728 | 0.674 | 0.733 | 4.62 |
| 62) | | 4-Nitroaniline | 0.329 | 0.333 | 0.339 | 0.338 | 0.343 | 0.339 | 0.320 | 0.334 | 2.37 |
| 63) | | Azobenzene | 1.482 | 1.411 | 1.394 | 1.368 | 1.358 | 1.334 | 1.273 | 1.375 | 4.74 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.099 | 0.109 | 0.117 | 0.118 | 0.129 | 0.109 | 0.113 | 8.96 |
| 66) | c | n-Nitrosodiphe... | 0.639 | 0.679 | 0.644 | 0.599 | 0.592 | 0.626 | 0.527 | 0.615 | 7.90 |
| 67) | | 4-Bromophenyl-... | 0.225 | 0.248 | 0.236 | 0.220 | 0.214 | 0.231 | 0.192 | 0.224 | 7.97 |
| 68) | | Hexachlorobenzene | 0.257 | 0.280 | 0.268 | 0.246 | 0.245 | 0.258 | 0.223 | 0.254 | 7.24 |
| 69) | | Atrazine | 0.200 | 0.204 | 0.193 | 0.168 | 0.153 | 0.157 | 0.127 | 0.172 | 16.48 |
| 70) | C | Pentachlorophenol | | 0.062 | 0.082 | 0.098 | 0.102 | 0.106 | 0.106 | 0.093 | 18.65 |
| 71) | | Phenanthrene | 1.125 | 1.081 | 1.072 | 0.983 | 0.988 | 1.013 | 0.937 | 1.028 | 6.45 |
| 72) | | Anthracene | 1.091 | 1.064 | 1.053 | 0.970 | 0.978 | 1.000 | 0.934 | 1.013 | 5.66 |
| 73) | | Carbazole | 1.086 | 1.018 | 1.026 | 0.952 | 0.972 | 0.970 | 0.920 | 0.992 | 5.58 |
| 74) | | Di-n-butylphth... | 1.245 | 1.206 | 1.232 | 1.129 | 1.185 | 1.186 | 0.968 | 1.164 | 8.12 |
| 75) | C | Fluoranthene | 1.364 | 1.291 | 1.251 | 1.130 | 1.138 | 1.175 | 0.943 | 1.184 | 11.51 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.319 | 0.401 | 0.404 | 0.493 | 0.454 | 0.378 | 0.408 | 14.76 |
| 78) | | Pyrene | 1.904 | 1.719 | 1.650 | 1.699 | 1.761 | 1.769 | 1.948 | 1.779 | 6.12 |
| 79) | S | Terphenyl-d14 | 1.354 | 1.247 | 1.218 | 1.206 | 1.212 | 1.260 | 1.381 | 1.268 | 5.58 |
| 80) | | Butylbenzylpht... | 0.650 | 0.616 | 0.621 | 0.646 | 0.672 | 0.681 | 0.696 | 0.654 | 4.59 |
| 81) | | Benzo(a)anthra... | 1.494 | 1.473 | 1.421 | 1.359 | 1.388 | 1.418 | 1.369 | 1.417 | 3.60 |
| 82) | | 3,3'-Dichlorob... | 0.429 | 0.427 | 0.449 | 0.412 | 0.432 | 0.446 | 0.399 | 0.428 | 4.14 |
| 83) | | Chrysene | 1.361 | 1.284 | 1.364 | 1.271 | 1.254 | 1.283 | 1.206 | 1.289 | 4.40 |
| 84) | | Bis(2-ethylhex... | 0.804 | 0.807 | 0.875 | 0.821 | 0.855 | 0.890 | 0.855 | 0.844 | 3.99 |
| 85) | c | Di-n-octyl pht... | 1.267 | 1.170 | 1.348 | 1.223 | 1.341 | 1.324 | 1.263 | 1.277 | 5.17 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.130 | 1.174 | 1.330 | 1.269 | 1.109 | 1.330 | 1.395 | 1.248 | 8.90 |
| 88) | | Benzo(b)fluora... | 1.454 | 1.466 | 1.450 | 1.294 | 1.263 | 1.442 | 1.349 | 1.388 | 6.11 |
| 89) | | Benzo(k)fluora... | 1.318 | 1.250 | 1.223 | 1.224 | 1.142 | 1.182 | 0.996 | 1.191 | 8.57 |
| 90) | C | Benzo(a)pyrene | 1.099 | 1.084 | 1.134 | 1.073 | 1.056 | 1.122 | 1.042 | 1.087 | 3.10 |
| 91) | | Dibenzo(a,h)an... | 0.913 | 0.986 | 1.092 | 1.058 | 0.918 | 1.116 | 1.154 | 1.034 | 9.30 |
| 92) | | Benzo(g,h,i)pe... | 0.961 | 0.972 | 1.094 | 1.073 | 0.944 | 1.098 | 1.225 | 1.052 | 9.53 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

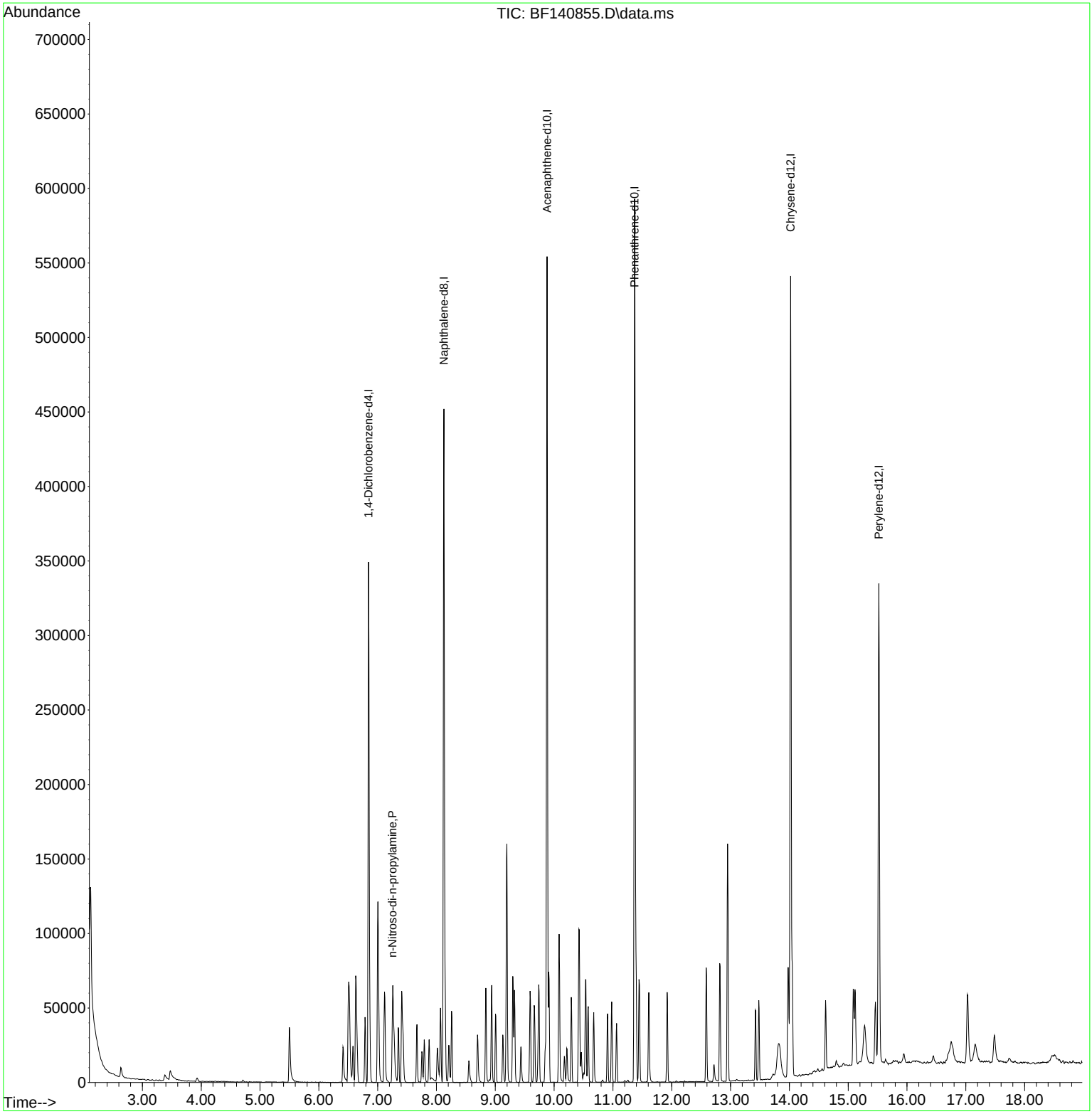
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 74199 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 283096 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 161044 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 317916 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.021 | 240 | 234189 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.521 | 264 | 191083 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 9325 | 2.604 | ng | 97 |

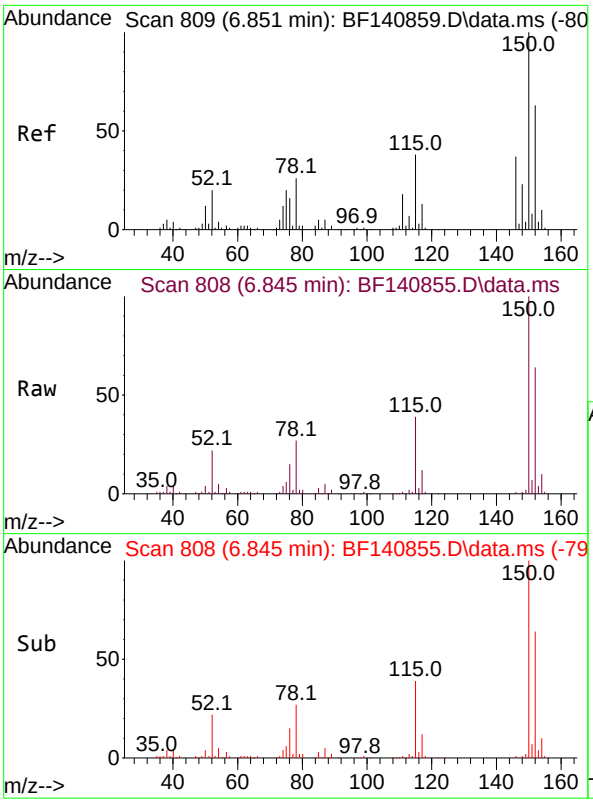
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



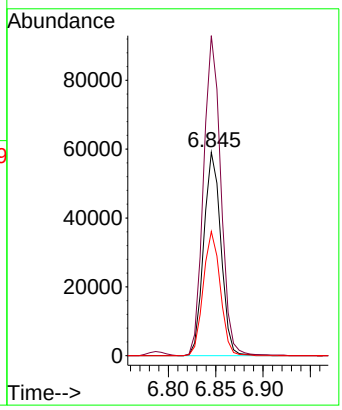


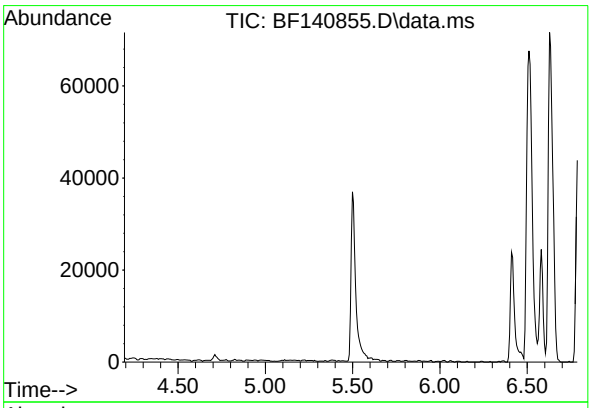

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion:152 Resp: 74199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 127.9 | 191.9 |
| 115 | 61.0 | 48.0 | 72.0 |



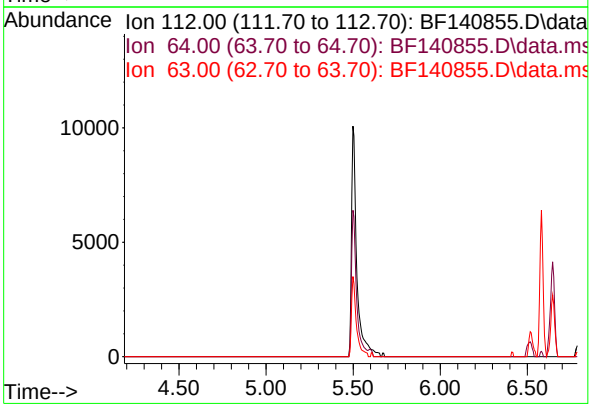



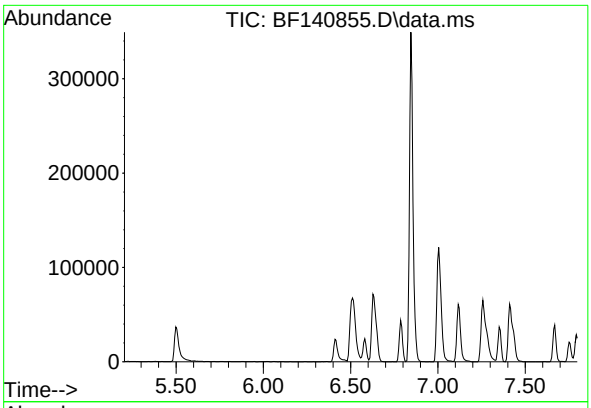

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 57.6 |
| 63 | 31.1 |





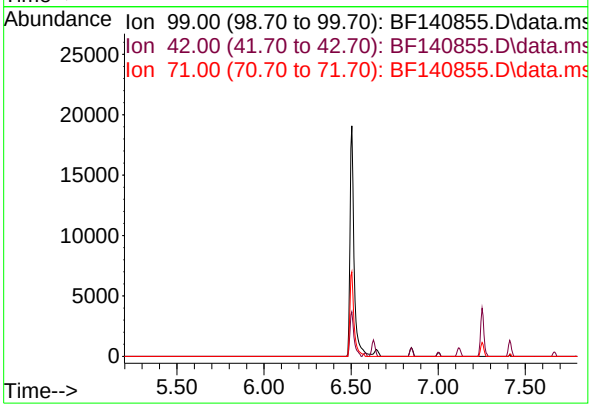

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

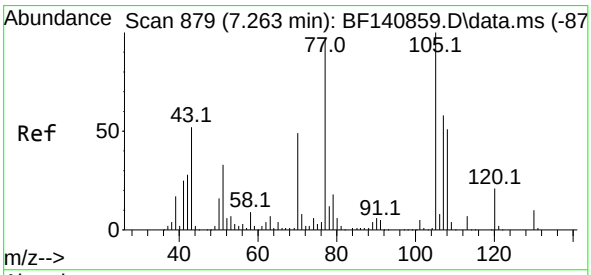
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

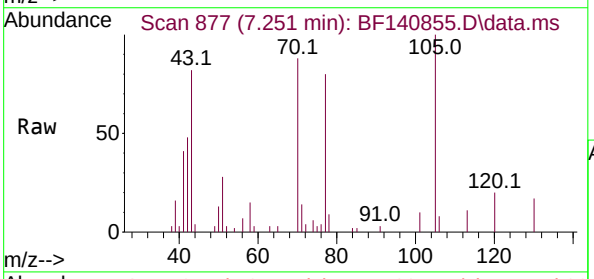
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

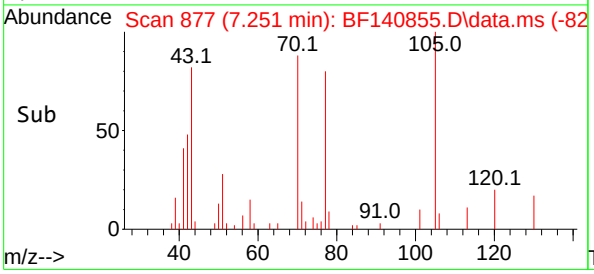
Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 17.9 |
| 71 | 37.4 |



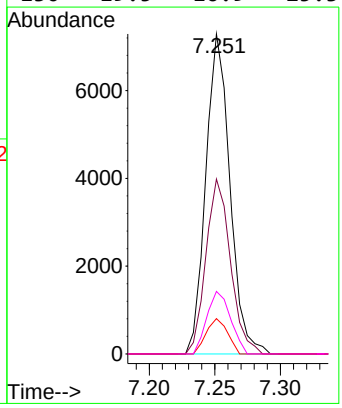



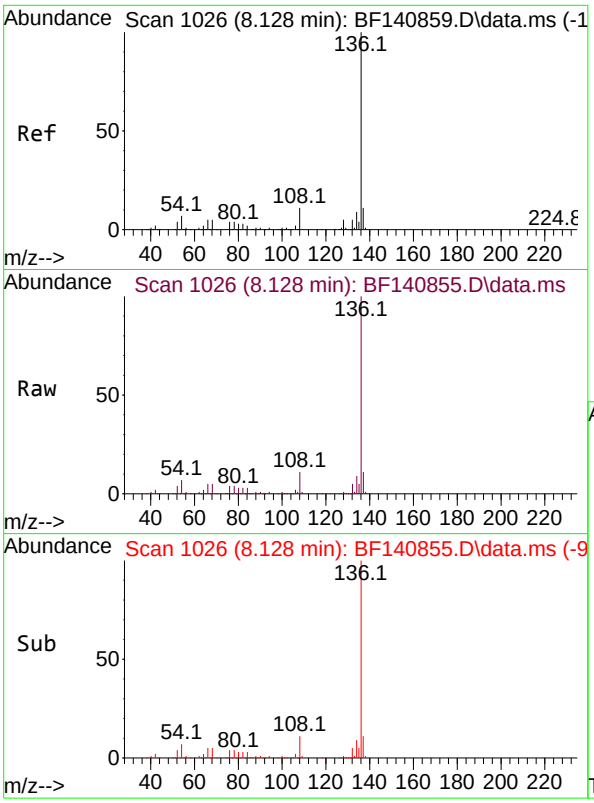




#19
n-Nitroso-di-n-propylamine
Concen: 2.604 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 70 Resp: 9325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.7 | 45.3 | 67.9 |
| 101 | 11.0 | 8.0 | 12.0 |
| 130 | 19.5 | 16.9 | 25.3 |



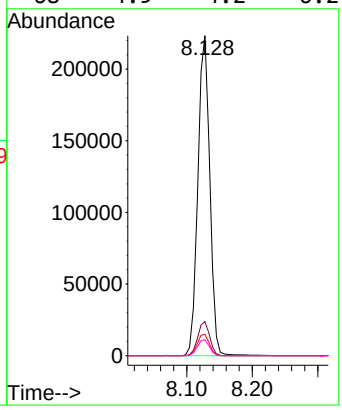


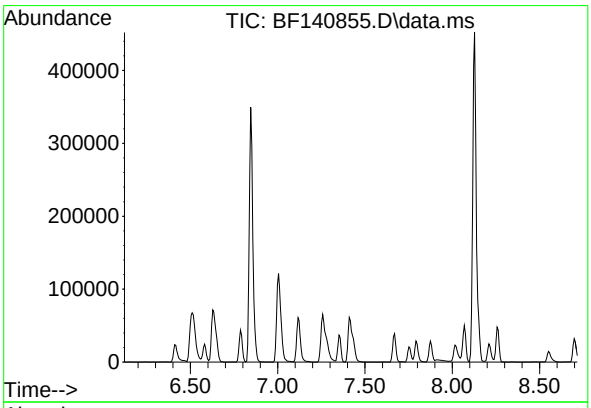

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion:136 Resp: 283096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.7 | 5.6 | 8.4 |
| 68 | 4.9 | 4.2 | 6.2 |



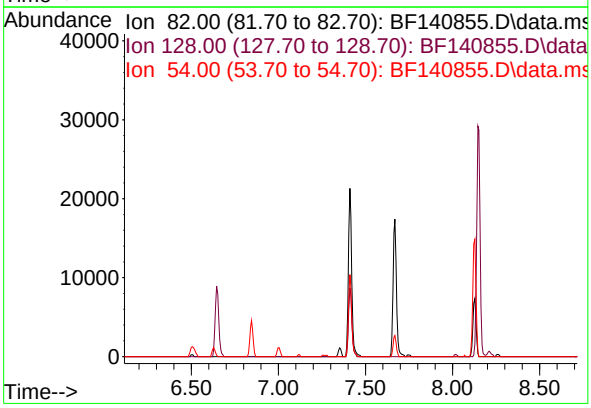



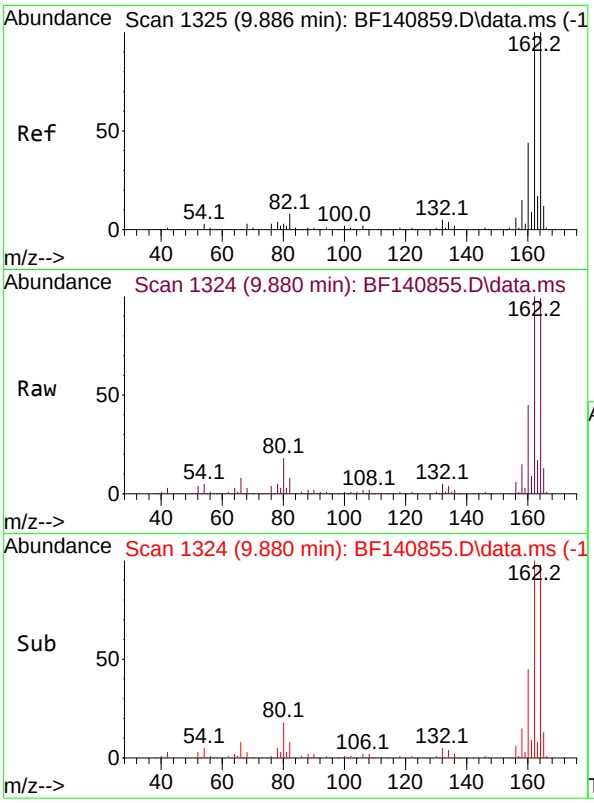

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.42 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 43.0 |
| 54 | 48.5 |



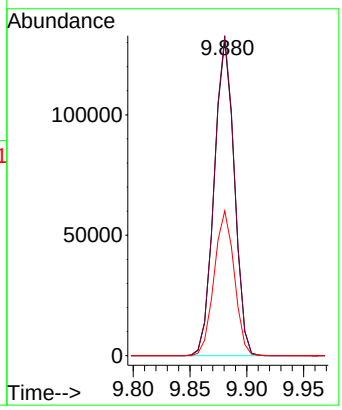


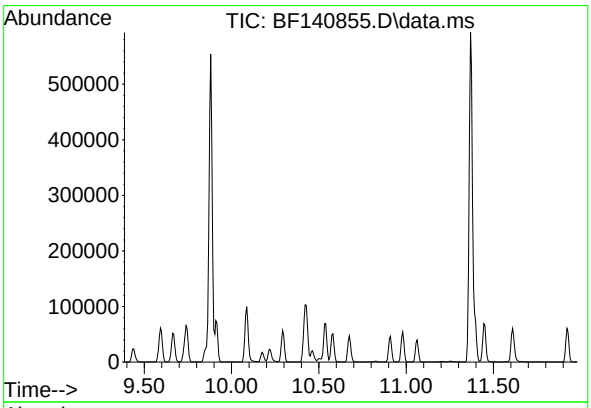

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion:164 Resp: 161044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.4 | 79.9 | 119.9 |
| 160 | 45.9 | 35.2 | 52.8 |



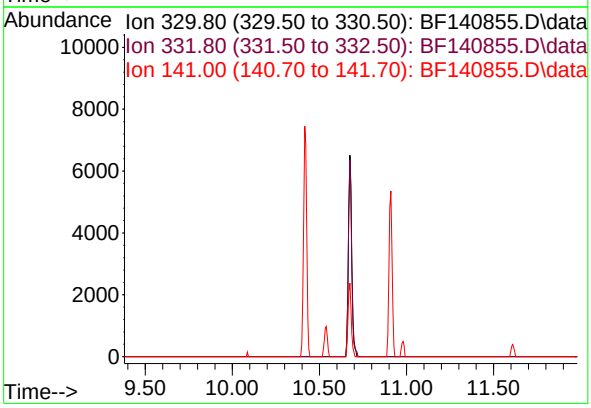



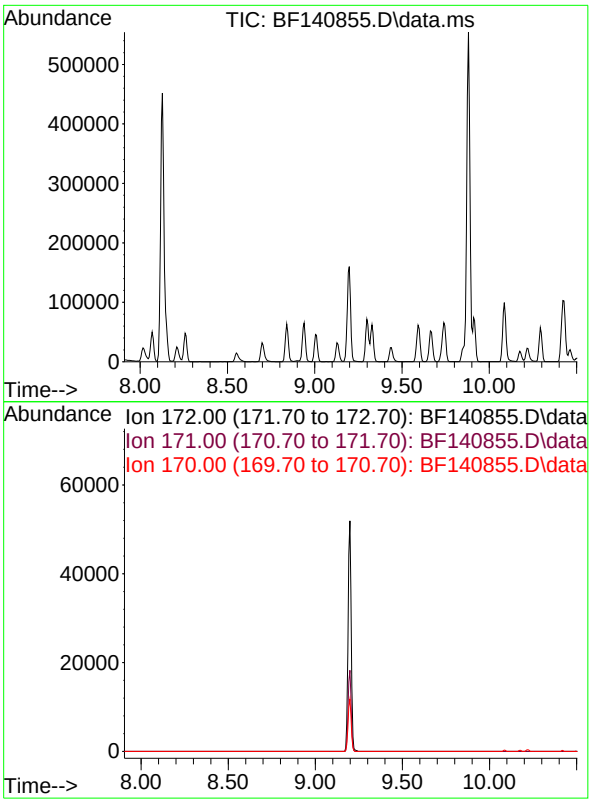

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.68 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 95.3 |
| 141 | 31.1 |





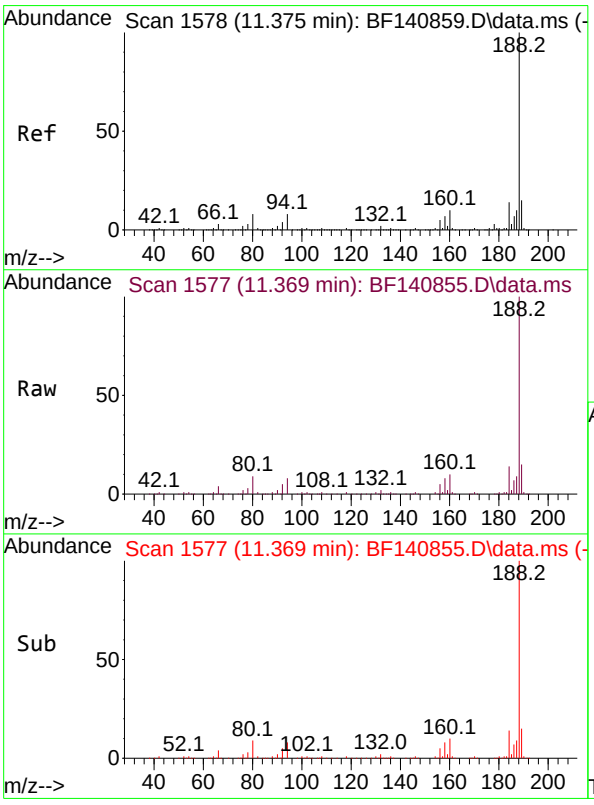

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.20 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion: 172

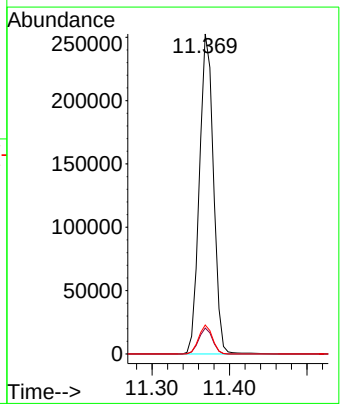
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.5 |
| 170 | 23.3 |

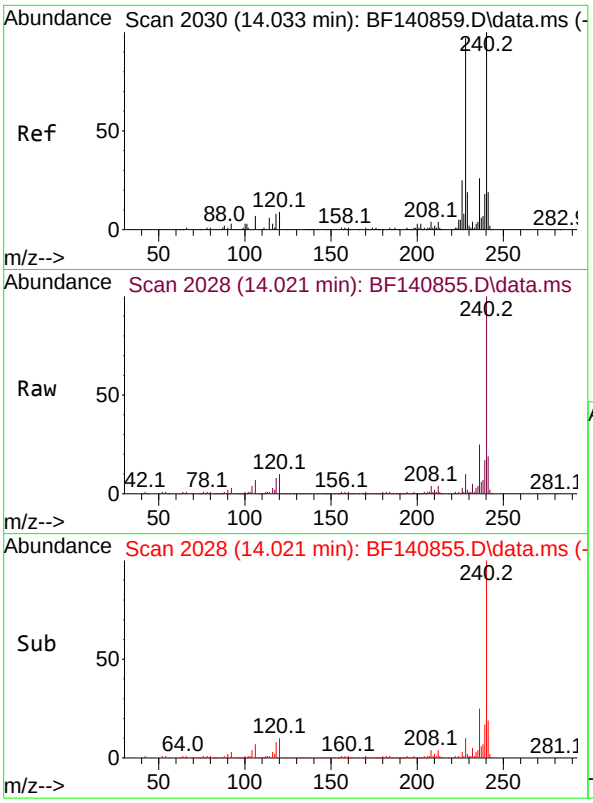



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion:188 Resp: 317916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.4 | 9.6 |
| 80 | 9.0 | 6.8 | 10.2 |



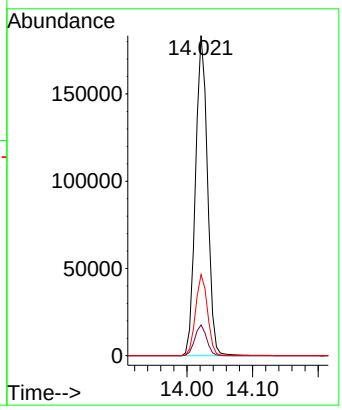


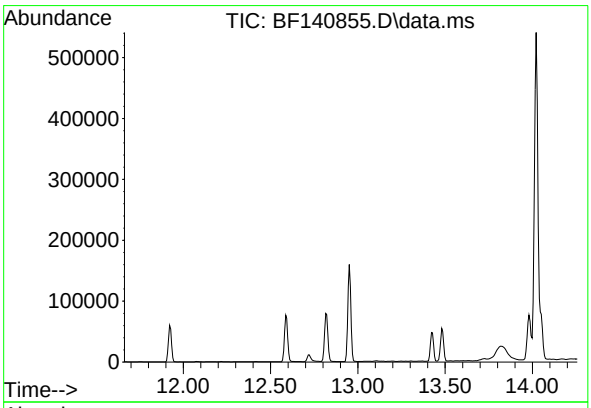

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion:240 Resp: 234189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 7.6 | 11.4 |
| 236 | 25.4 | 20.5 | 30.7 |



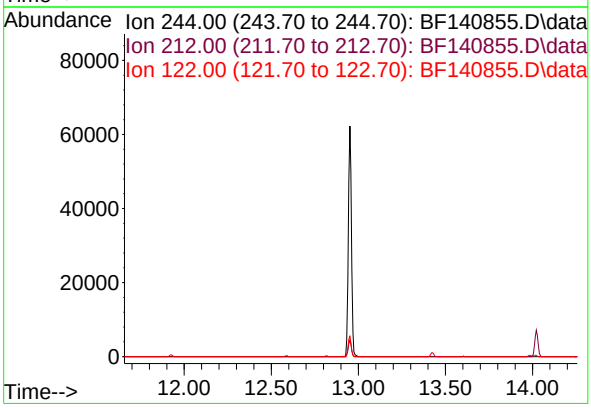



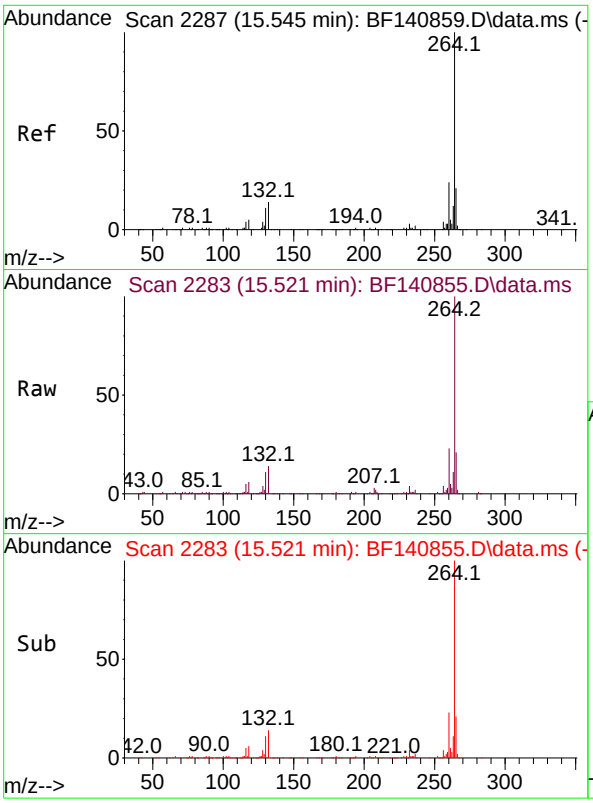

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.96 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.0 |
| 122 | 10.2 |



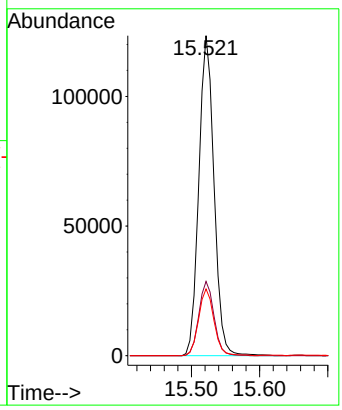



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

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

Tgt Ion:264 Resp: 191083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.1 | 28.7 |
| 265 | 20.9 | 17.0 | 25.4 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 79655 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 306130 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 181131 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 379227 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.021 | 240 | 302472 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 15.527 | 264 | 241868 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 48219 | 9.965 | ng | | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 67396 | 10.516 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.410 | 82 | 62104 | 10.150 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.675 | 330 | 21315 | 9.950 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 141311 | 10.726 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 204731 | 10.673 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 10891 | 5.225 | ng | | 93 |
| 3) Pyridine | 3.446 | 79 | 23956 | 4.963 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.363 | 42 | 11912 | 4.895 | ng | | 94 |
| 6) Aniline | 6.516 | 93 | 28034 | 5.116 | ng | | 96 |
| 8) 2-Chlorophenol | 6.645 | 128 | 26751 | 5.070 | ng | | 97 |
| 9) Benzaldehyde | 6.410 | 77 | 20868 | 5.876 | ng | | 98 |
| 10) Phenol | 6.510 | 94 | 34967 | 5.264 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 25426 | 5.133 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 31542 | 5.246 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 32009 | 5.245 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 30294 | 5.261 | ng | | 97 |
| 15) Benzyl Alcohol | 6.998 | 79 | 22831 | 4.982 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 31121 | 5.333 | ng | | 84 |
| 17) 2-Methylphenol | 7.116 | 107 | 21534 | 5.112 | ng | | 94 |
| 18) Hexachloroethane | 7.351 | 117 | 11948 | 5.259 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 20518 | 5.337 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 29921 | 5.356 | ng | # | 72 |
| 22) Acetophenone | 7.257 | 105 | 40223 | 5.252 | ng | | 94 |
| 24) Nitrobenzene | 7.428 | 77 | 31964 | 5.099 | ng | | 99 |
| 25) Isophorone | 7.669 | 82 | 52133 | 5.085 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 13994 | 4.847 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 16915 | 5.017 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 32959 | 5.147 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 22982 | 4.937 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 27533 | 5.160 | ng | | 99 |
| 31) Naphthalene | 8.145 | 128 | 87082 | 5.179 | ng | | 99 |
| 33) 4-Chloroaniline | 8.210 | 127 | 28431 | 5.091 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 18296 | 5.096 | ng | | 99 |
| 35) Caprolactam | 8.551 | 113 | 6533 | 4.714 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 26136 | 4.989 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 56964 | 5.121 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 57978 | 5.270 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 28167 | 5.059 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 15756 | 4.622 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 18698 | 4.990 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 75993 | 5.276 | ng | | 97 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

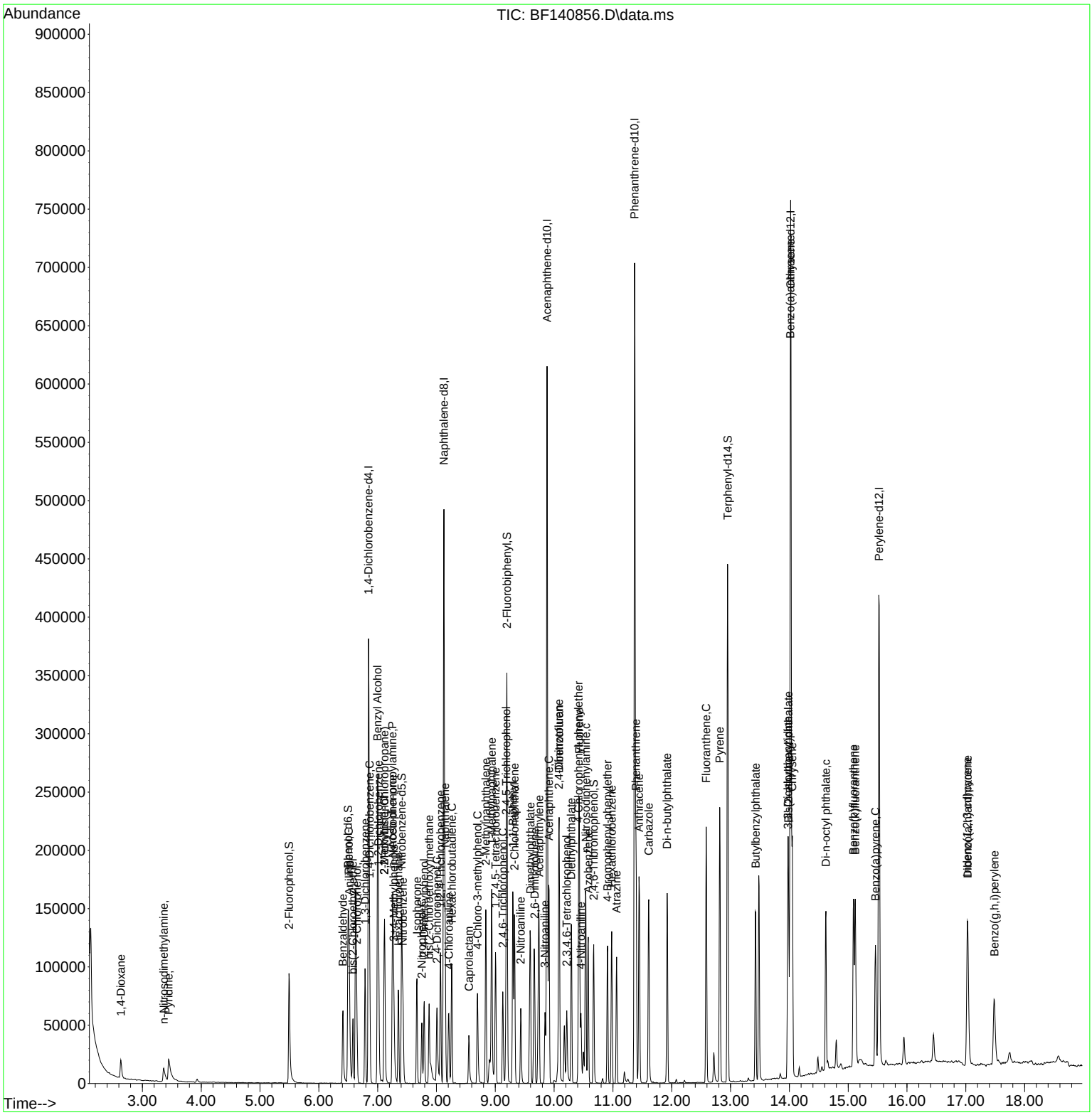
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 47) 2-Chloronaphthalene | 9.328 | 162 | 55976 | 5.080 | ng | | 98 |
| 48) 2-Nitroaniline | 9.433 | 65 | 15829 | 4.757 | ng | | 98 |
| 49) Acenaphthylene | 9.745 | 152 | 84871 | 5.241 | ng | | 99 |
| 50) Dimethylphthalate | 9.598 | 163 | 64810 | 5.075 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 14507 | 4.969 | ng | | 99 |
| 52) Acenaphthene | 9.910 | 154 | 55626 | 5.378 | ng | | 98 |
| 53) 3-Nitroaniline | 9.845 | 138 | 14583 | 5.034 | ng | | 95 |
| 55) Dibenzofuran | 10.086 | 168 | 86963 | 5.426 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.081 | 165 | 19701 | 5.129 | ng | # | 91 |
| 58) Fluorene | 10.428 | 166 | 71243 | 5.388 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 13434 | 4.400 | ng | | 95 |
| 60) Diethylphthalate | 10.292 | 149 | 70725 | 5.341 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 35304 | 5.315 | ng | | 99 |
| 62) 4-Nitroaniline | 10.457 | 138 | 14883 | 4.916 | ng | | 99 |
| 63) Azobenzene | 10.580 | 77 | 67111 | 5.391 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 60581 | 5.196 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 21332 | 5.028 | ng | | 98 |
| 68) Hexachlorobenzene | 10.980 | 284 | 24367 | 5.066 | ng | | 97 |
| 69) Atrazine | 11.063 | 200 | 18943 | 5.817 | ng | | 98 |
| 71) Phenanthrene | 11.392 | 178 | 106671 | 5.470 | ng | | 99 |
| 72) Anthracene | 11.445 | 178 | 103428 | 5.385 | ng | | 100 |
| 73) Carbazole | 11.610 | 167 | 102961 | 5.473 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.922 | 149 | 118050 | 5.347 | ng | | 99 |
| 75) Fluoranthene | 12.586 | 202 | 129330 | 5.758 | ng | | 99 |
| 78) Pyrene | 12.816 | 202 | 143947 | 5.352 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 49136 | 4.965 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.016 | 228 | 112964 | 5.270 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 32405 | 5.010 | ng | | 98 |
| 83) Chrysene | 14.051 | 228 | 102933 | 5.280 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 60799 | 4.764 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 95835 | 4.964 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.027 | 276 | 68314 | 4.526 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.092 | 252 | 87940 | 5.238 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 79696 | 5.534 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.463 | 252 | 66476 | 5.057 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.033 | 278 | 55222 | 4.416 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.486 | 276 | 58125 | 4.567 | ng | | 100 |

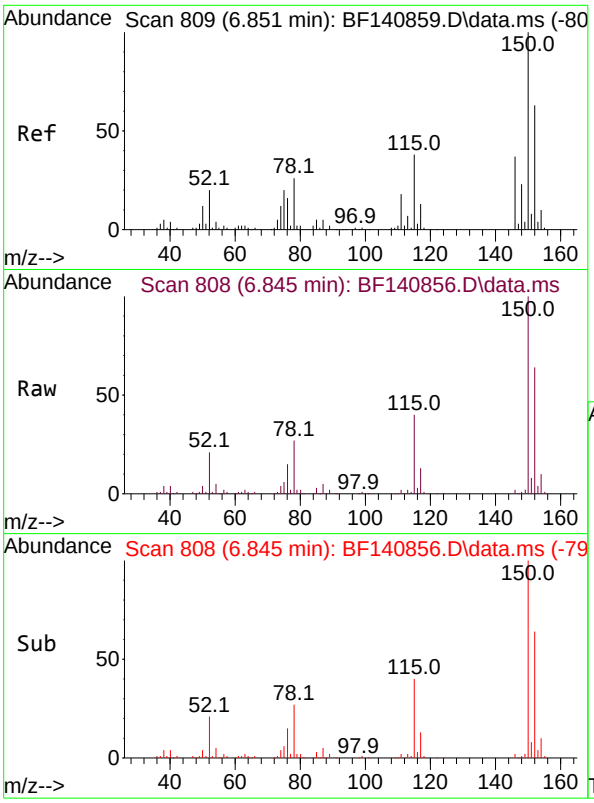
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



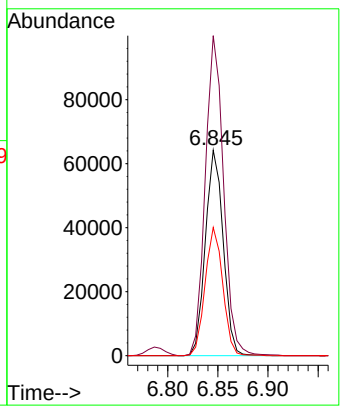


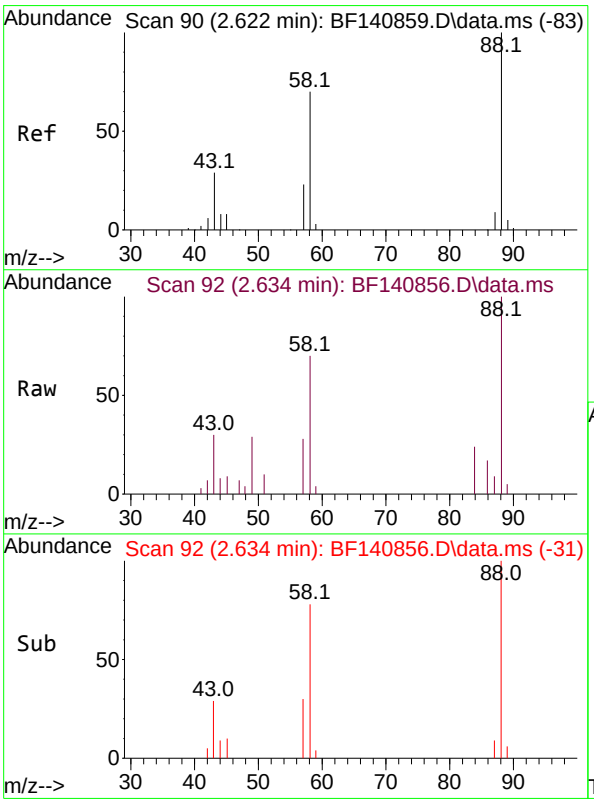

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:152 Resp: 79655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 127.9 | 191.9 |
| 115 | 62.4 | 48.0 | 72.0 |

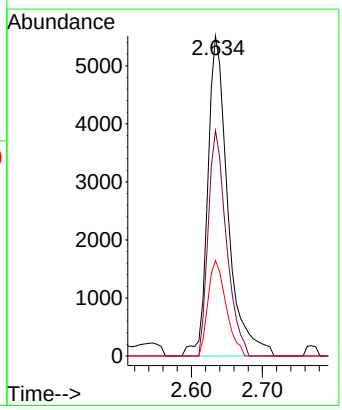


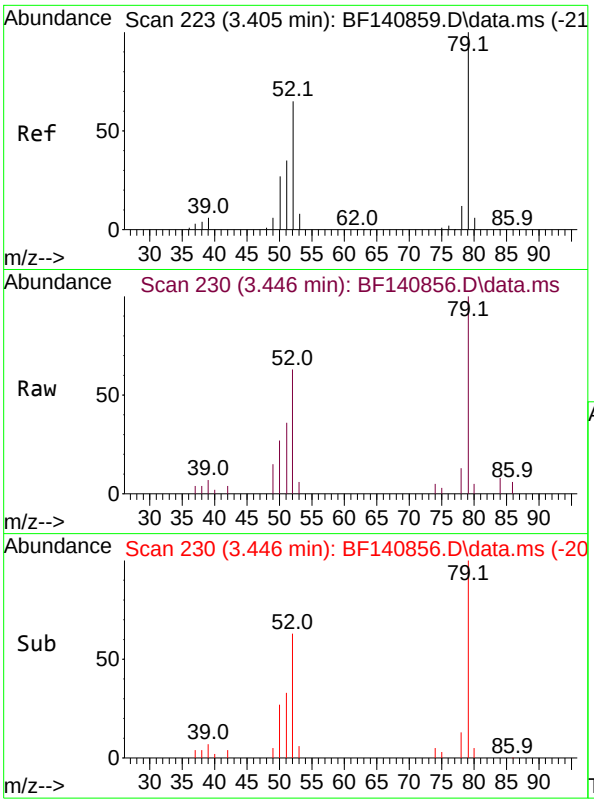




#2
1,4-Dioxane
Concen: 5.225 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 88 Resp: 10891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.3 | 55.8 | 83.8 |
| 43 | 26.6 | 22.7 | 34.1 |



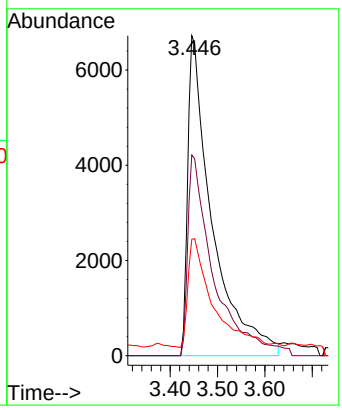


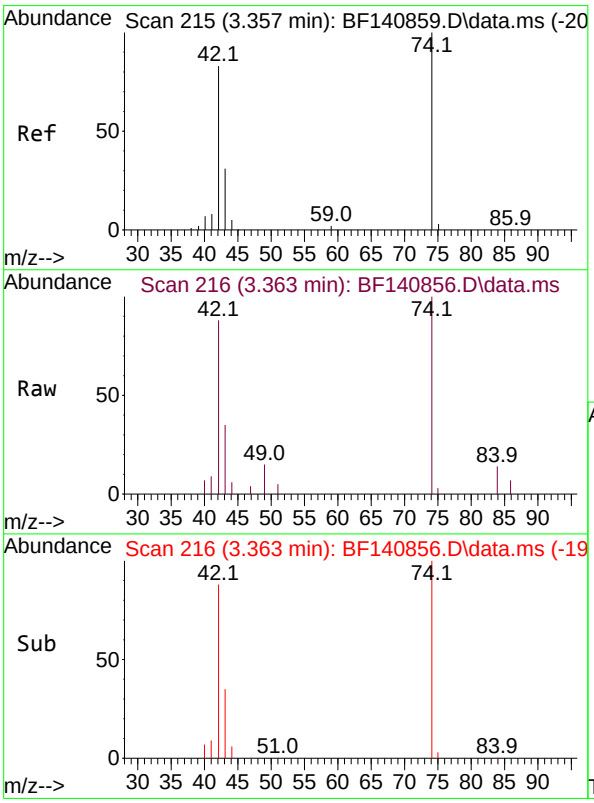

#3
Pyridine
Concen: 4.963 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 79 Resp: 23956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.7 | 51.7 | 77.5 |
| 51 | 36.4 | 28.2 | 42.4 |

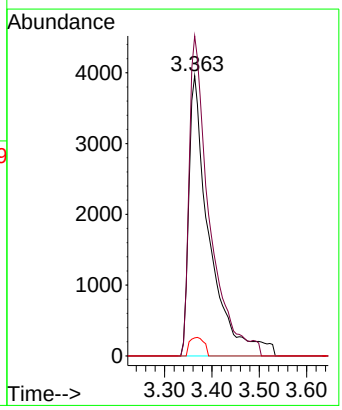


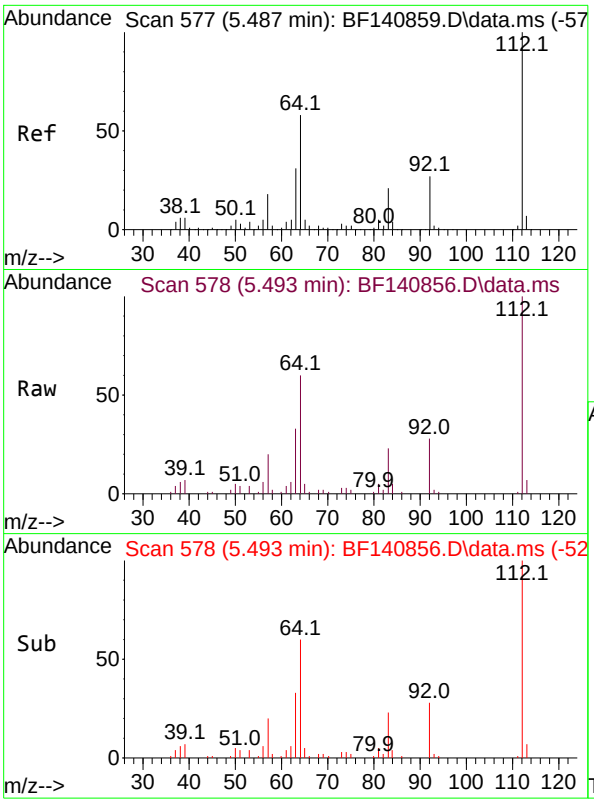




#4
n-Nitrosodimethylamine
Concen: 4.895 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 42 Resp: 11912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 114.2 | 96.9 | 145.3 |
| 44 | 6.5 | 4.4 | 6.6 |



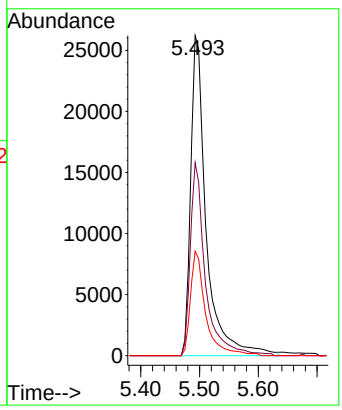


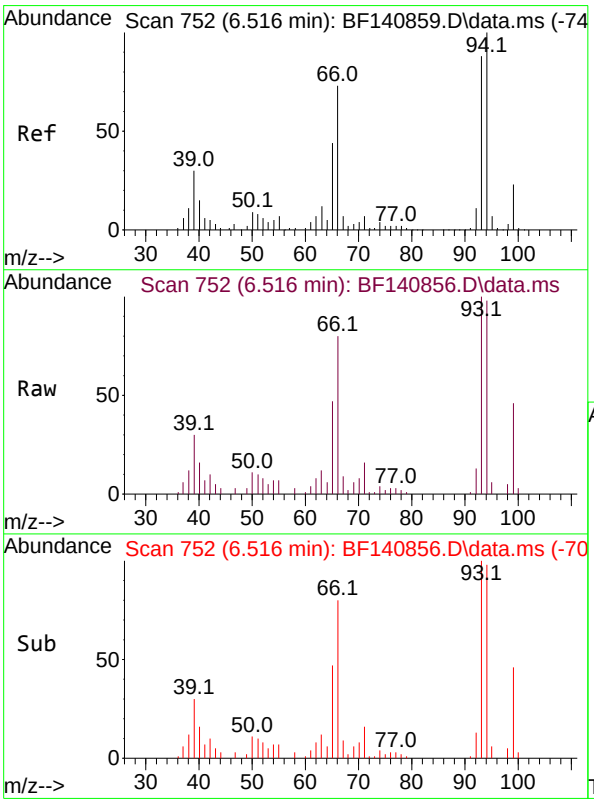

#5
2-Fluorophenol
Concen: 9.965 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:112 Resp: 48219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.3 | 46.1 | 69.1 |
| 63 | 32.6 | 24.9 | 37.3 |

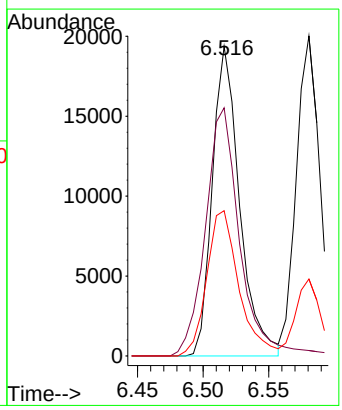


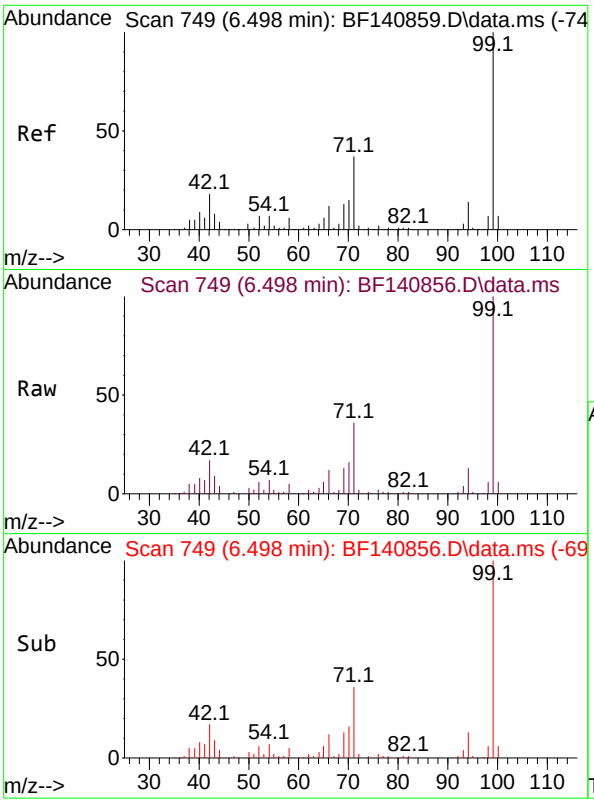




#6
Aniline
Concen: 5.116 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 93 Resp: 28034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 80.1 | 67.0 | 100.4 |
| 65 | 46.9 | 40.4 | 60.6 |



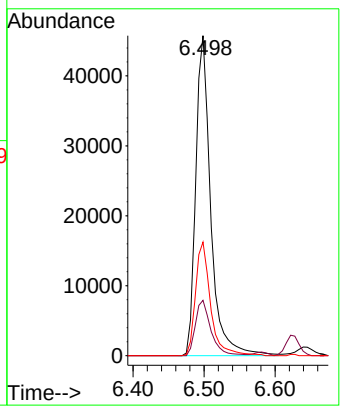


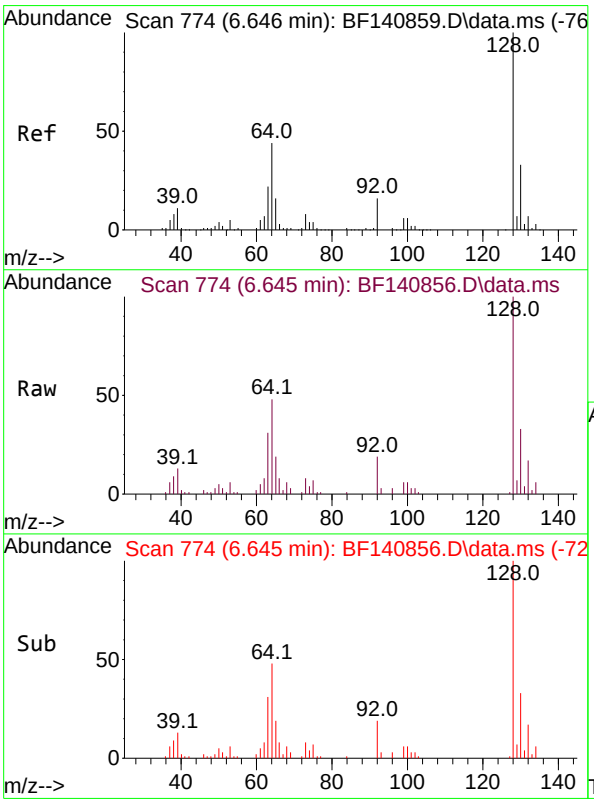

#7
Phenol-d6
Concen: 10.516 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 99 Resp: 67396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.3 | 14.3 | 21.5 |
| 71 | 35.5 | 29.9 | 44.9 |

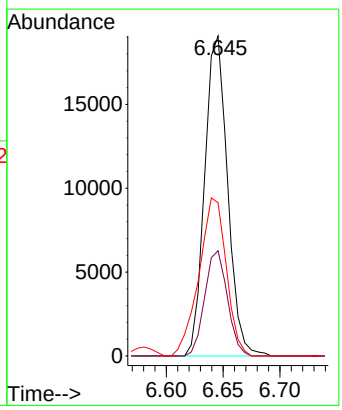


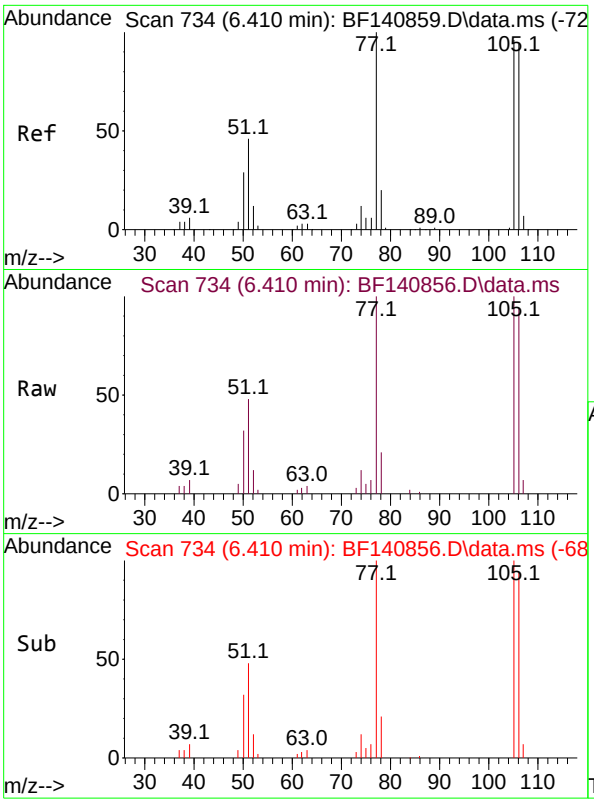




#8
2-Chlorophenol
Concen: 5.070 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:128 Resp: 26751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.9 | 52.9 |
| 64 | 47.9 | 24.3 | 64.3 |



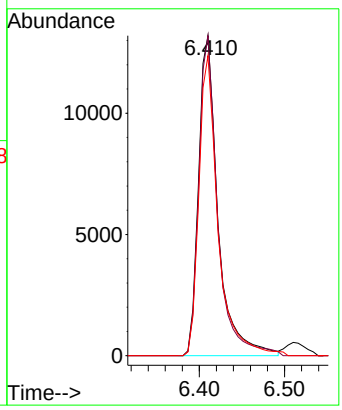


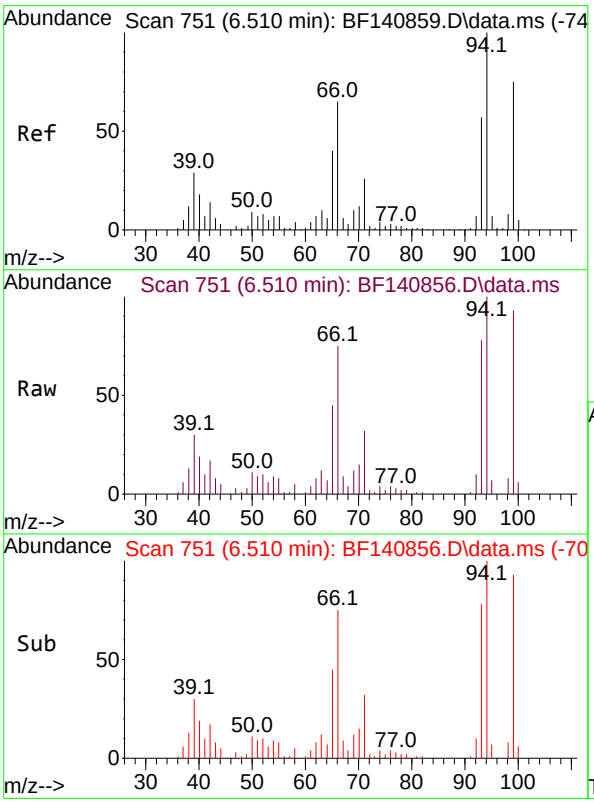

#9
Benzaldehyde
Concen: 5.876 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 77 Resp: 20868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.9 | 75.8 | 115.8 |
| 106 | 93.8 | 74.1 | 114.1 |

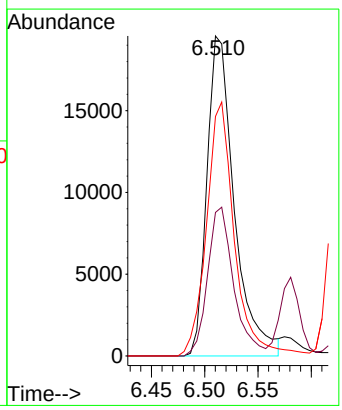


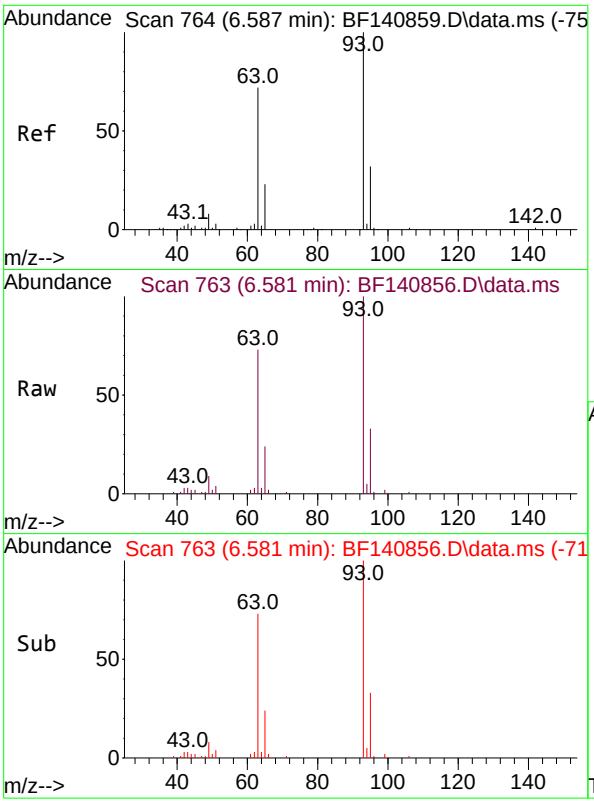




#10
Phenol
Concen: 5.264 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 94 Resp: 34967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 44.9 | 19.9 | 59.9 |
| 66 | 74.9 | 45.6 | 85.6 |



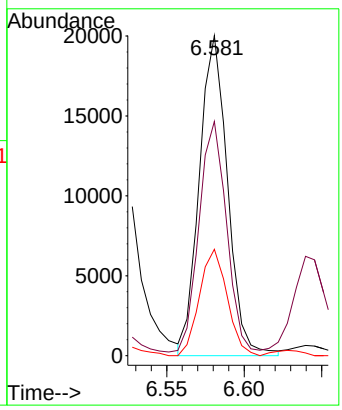


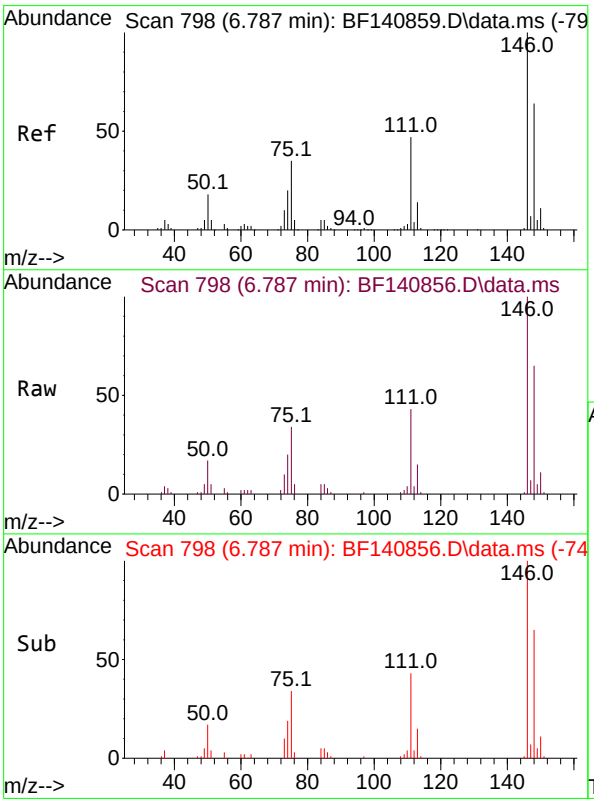

#11
bis(2-Chloroethyl)ether
Concen: 5.133 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 93 Resp: 25426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.2 | 51.0 | 91.0 |
| 95 | 33.3 | 12.0 | 52.0 |

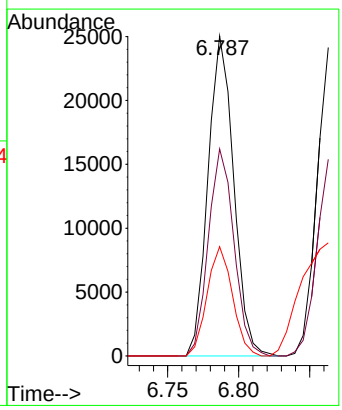


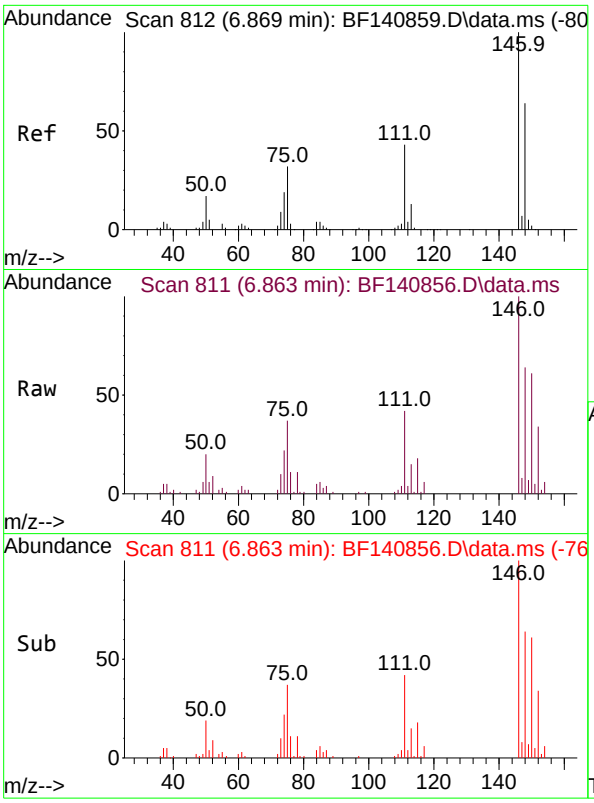




#12
1,3-Dichlorobenzene
Concen: 5.246 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:146 Resp: 31542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.0 | 76.6 |
| 75 | 34.2 | 28.1 | 42.1 |



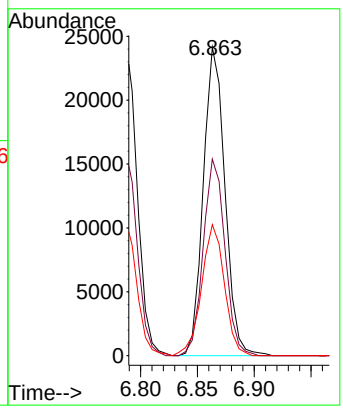


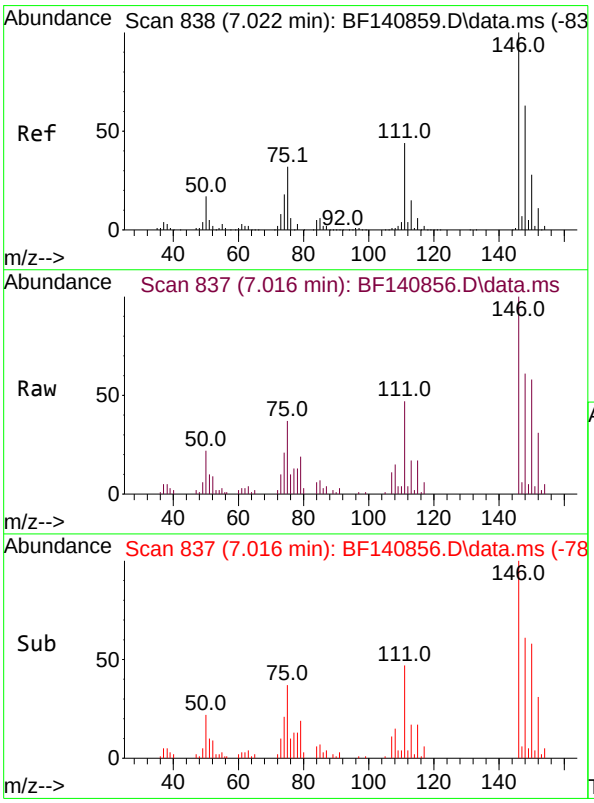

#13
1,4-Dichlorobenzene
Concen: 5.245 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:146 Resp: 32009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.3 | 76.9 |
| 111 | 42.5 | 34.4 | 51.6 |

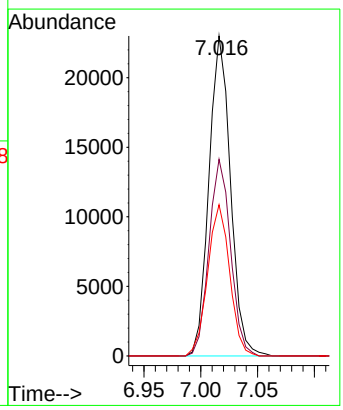


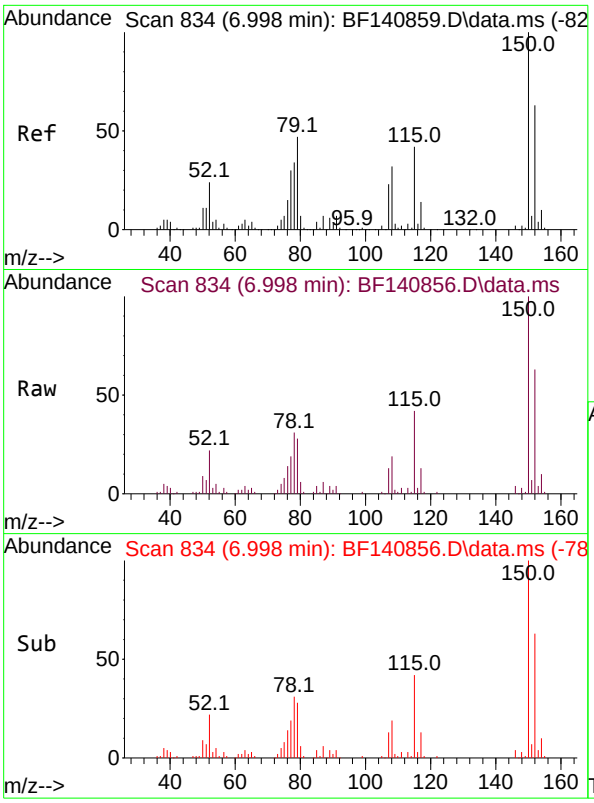




#14
1,2-Dichlorobenzene
Concen: 5.261 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:146 Resp: 30294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.5 | 50.0 | 75.0 |
| 111 | 47.2 | 35.6 | 53.4 |



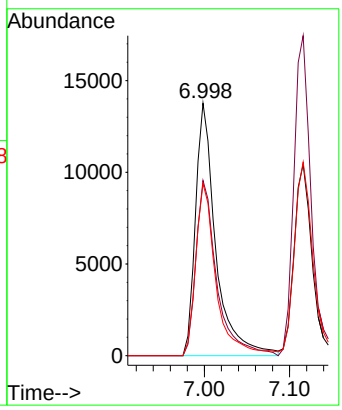


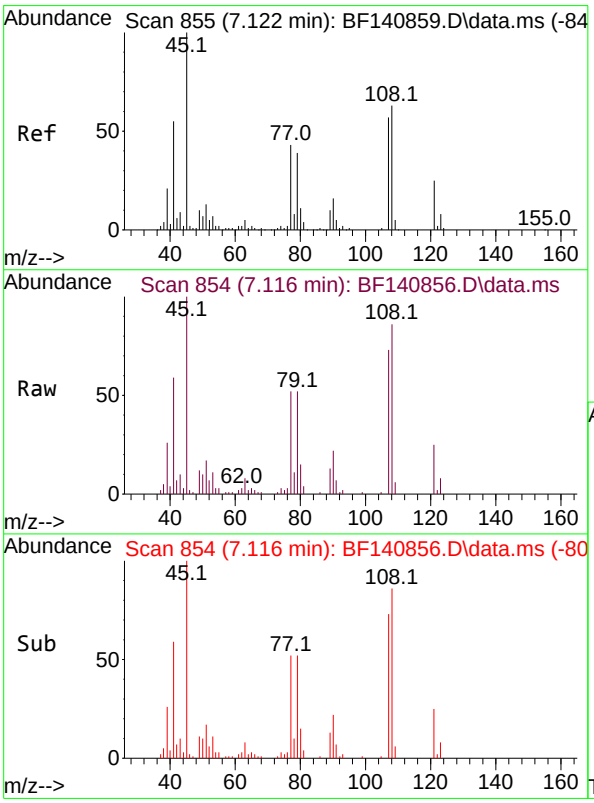

#15
Benzyl Alcohol
Concen: 4.982 ng
RT: 6.998 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 79 Resp: 22831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 69.4 | 55.1 | 82.7 |
| 77 | 68.2 | 50.6 | 76.0 |

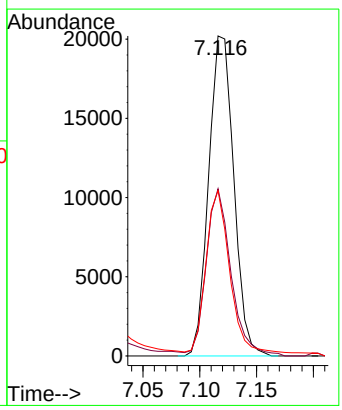


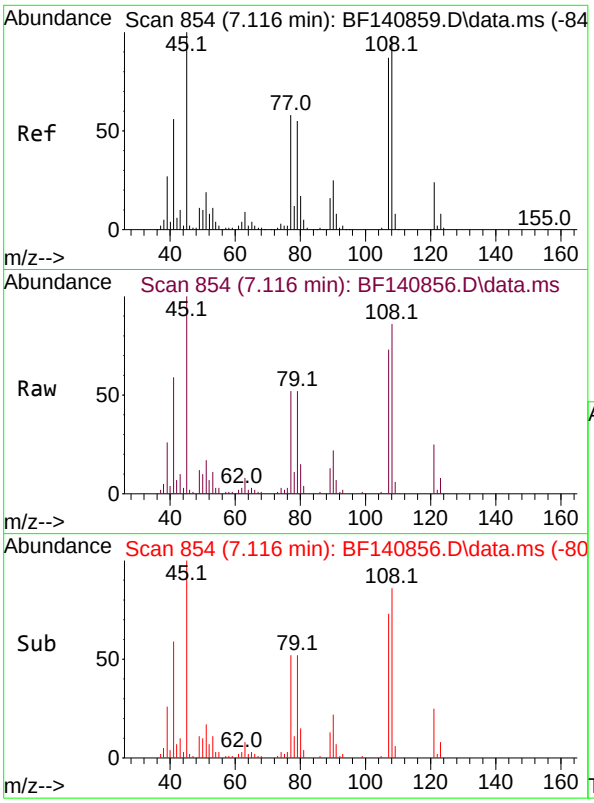




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.333 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 45 Resp: 31121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 52.3 | 23.3 | 63.3 |
| 79 | 51.7 | 20.0 | 60.0 |



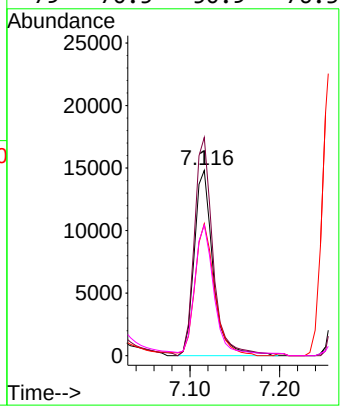


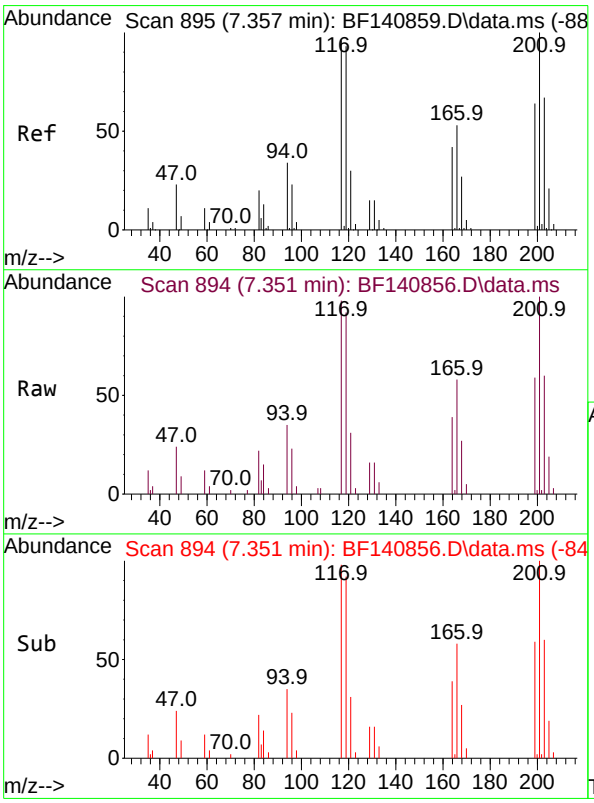

#17
2-Methylphenol
Concen: 5.112 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:107 Resp: 21534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 117.8 | 90.2 | 135.4 |
| 77 | 71.3 | 53.8 | 80.6 |
| 79 | 70.5 | 50.9 | 76.3 |

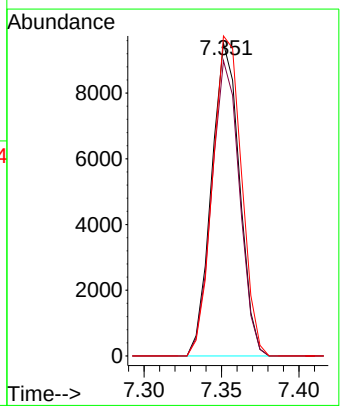


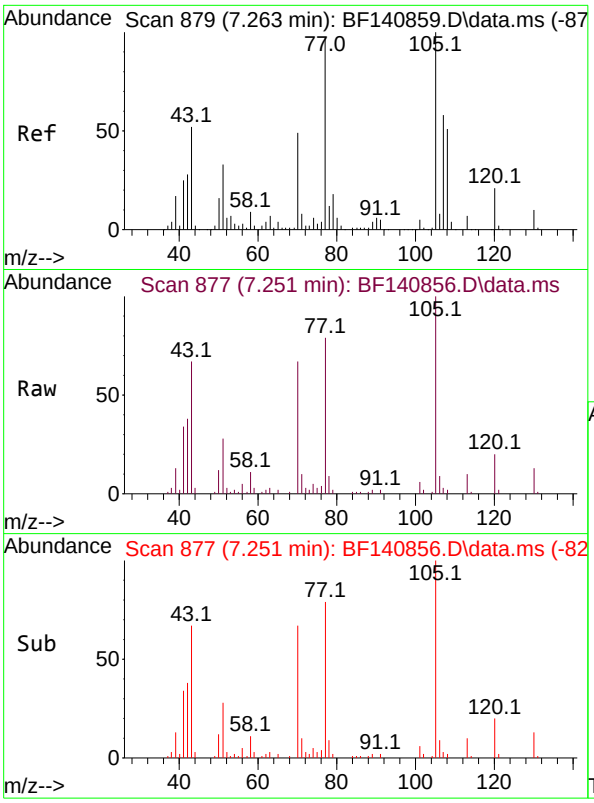




#18
Hexachloroethane
Concen: 5.259 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:117 Resp: 11948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 77.4 | 116.0 |
| 201 | 102.3 | 83.4 | 125.0 |



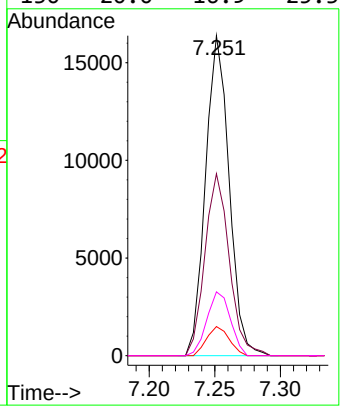


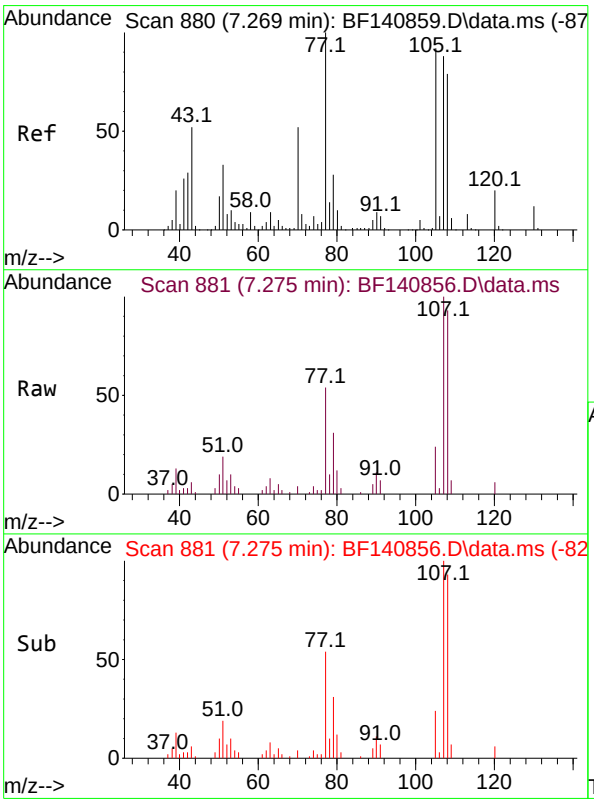

#19
n-Nitroso-di-n-propylamine
Concen: 5.337 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 70 Resp: 20518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.9 | 45.3 | 67.9 |
| 101 | 9.1 | 8.0 | 12.0 |
| 130 | 20.0 | 16.9 | 25.3 |

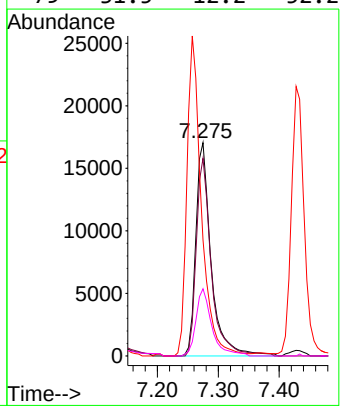


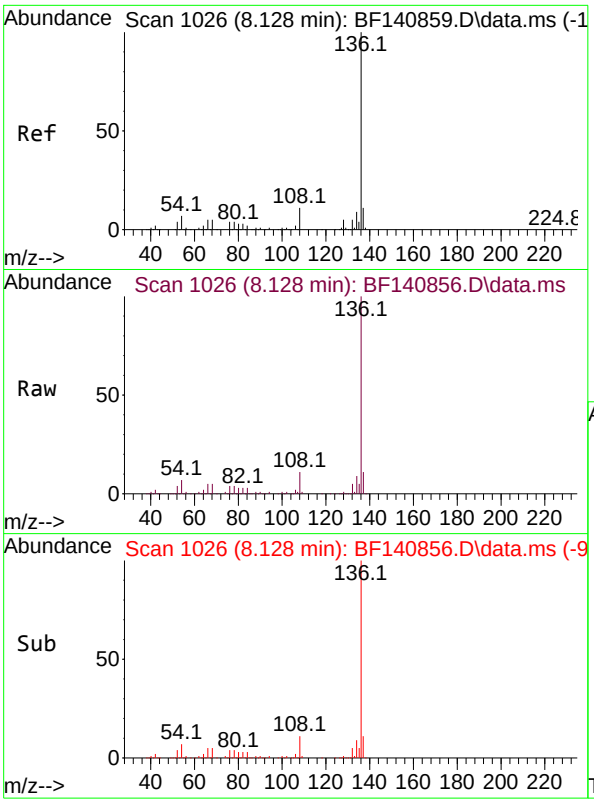




#20
3+4-Methylphenols
Concen: 5.356 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:107 Resp: 29921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.6 | 70.1 | 110.1 |
| 77 | 54.4 | 94.4 | 134.4# |
| 79 | 31.5 | 12.2 | 52.2 |



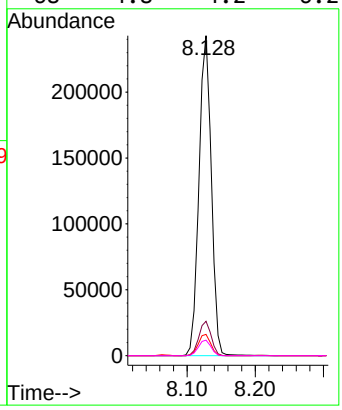


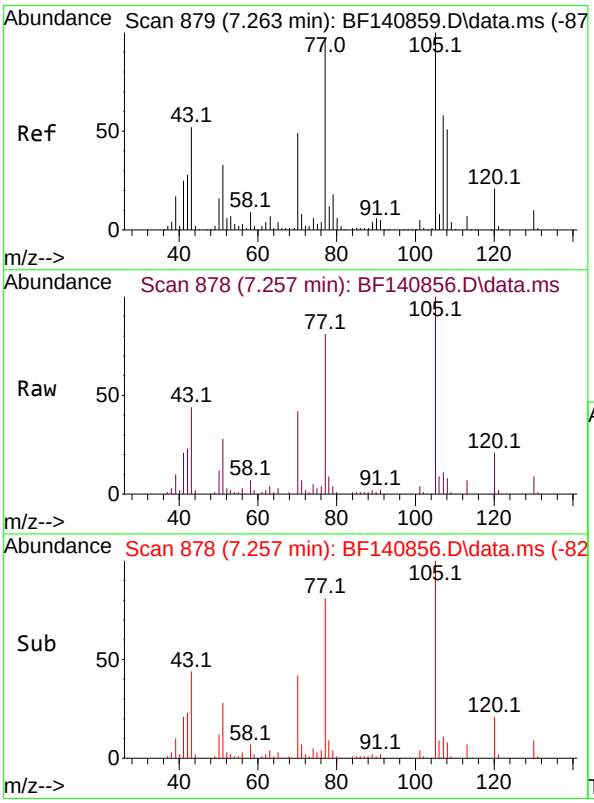

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:136 Resp: 306130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.7 | 5.6 | 8.4 |
| 68 | 4.8 | 4.2 | 6.2 |

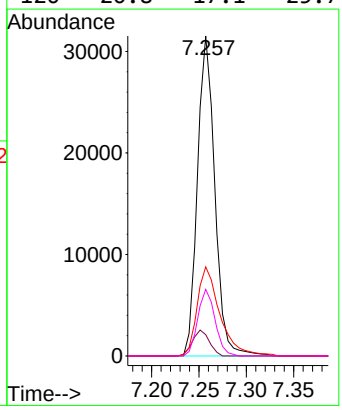


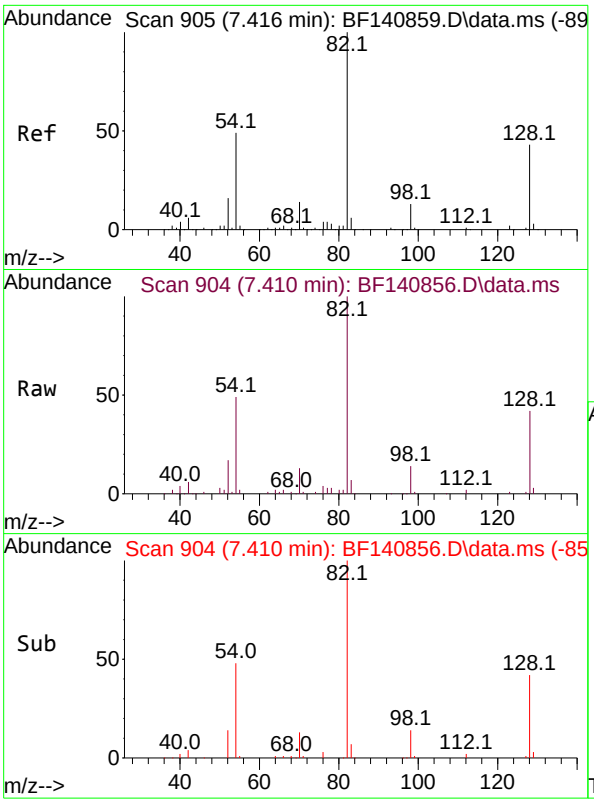




#22
Acetophenone
Concen: 5.252 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:105 Resp: 40223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.6 | 6.2 | 9.4 |
| 51 | 27.9 | 26.3 | 39.5 |
| 120 | 20.8 | 17.1 | 25.7 |



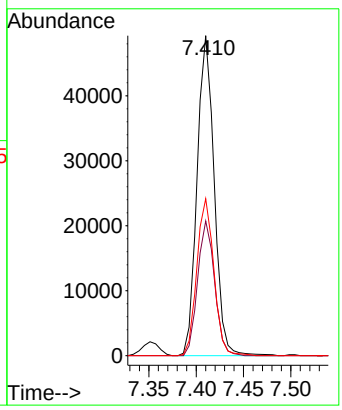


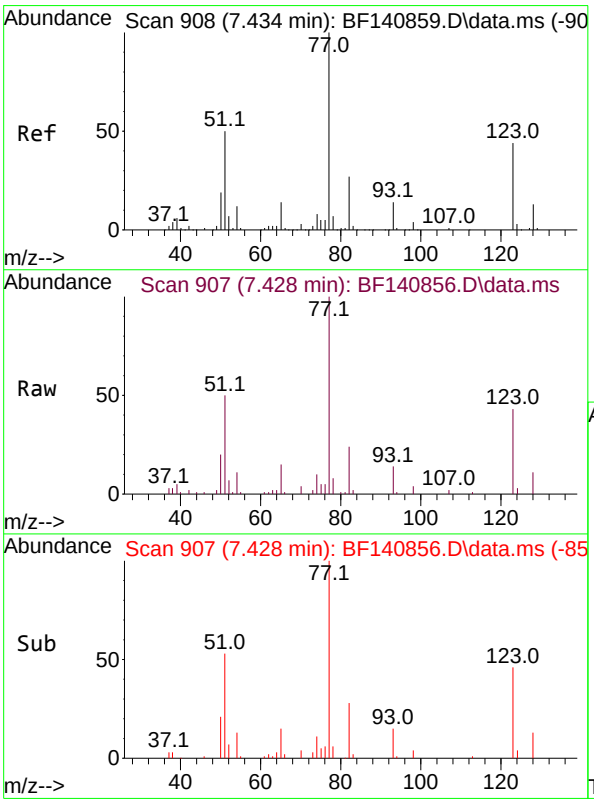

#23
Nitrobenzene-d5
Concen: 10.150 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 82 Resp: 62104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.1 | 34.4 | 51.6 |
| 54 | 49.1 | 38.8 | 58.2 |

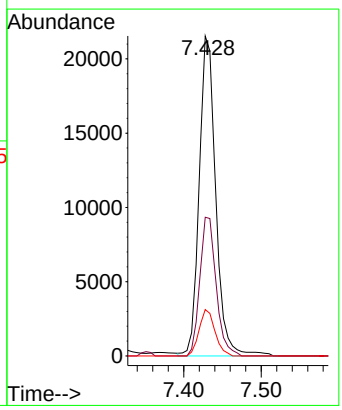


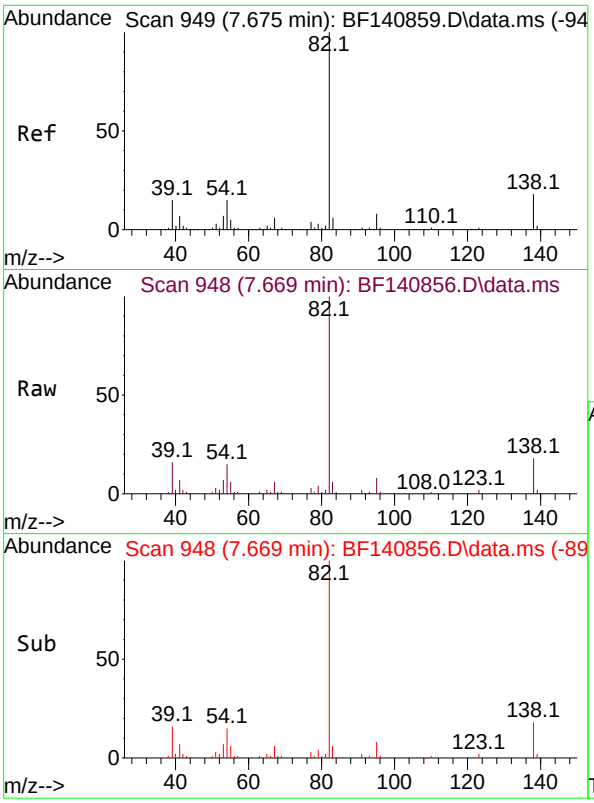




#24
Nitrobenzene
Concen: 5.099 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 77 Resp: 31964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.3 | 35.0 | 52.4 |
| 65 | 14.5 | 11.4 | 17.0 |



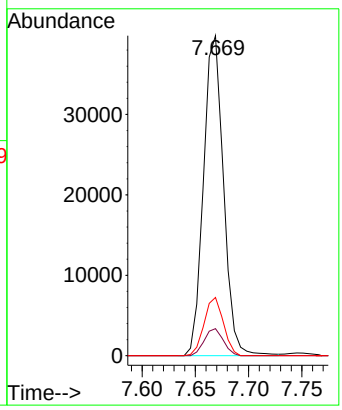


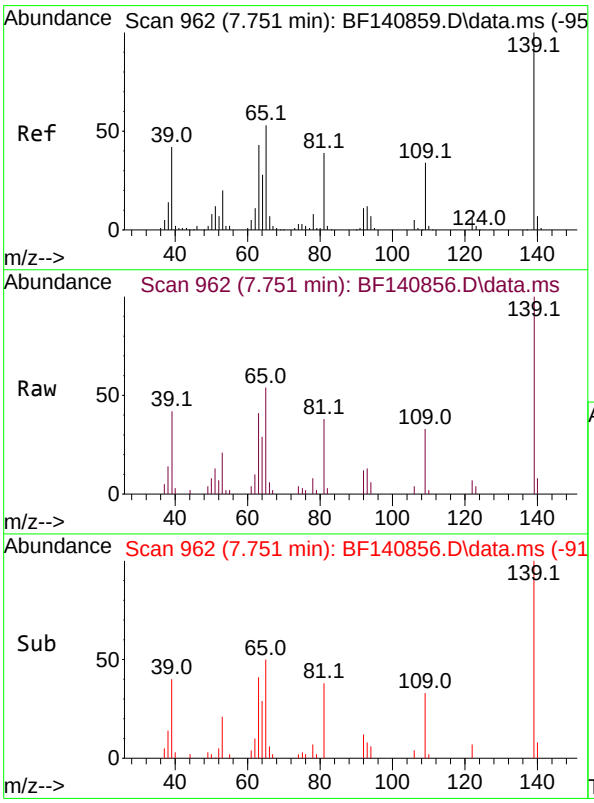

#25
Isophorone
Concen: 5.085 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 82 Resp: 52133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.3 | 9.5 |
| 138 | 18.2 | 14.1 | 21.1 |

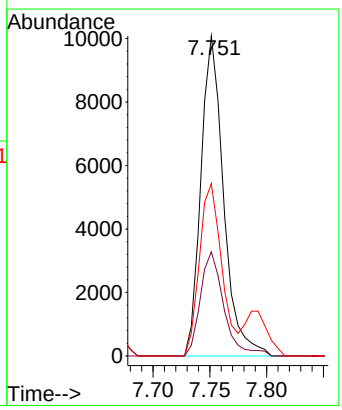


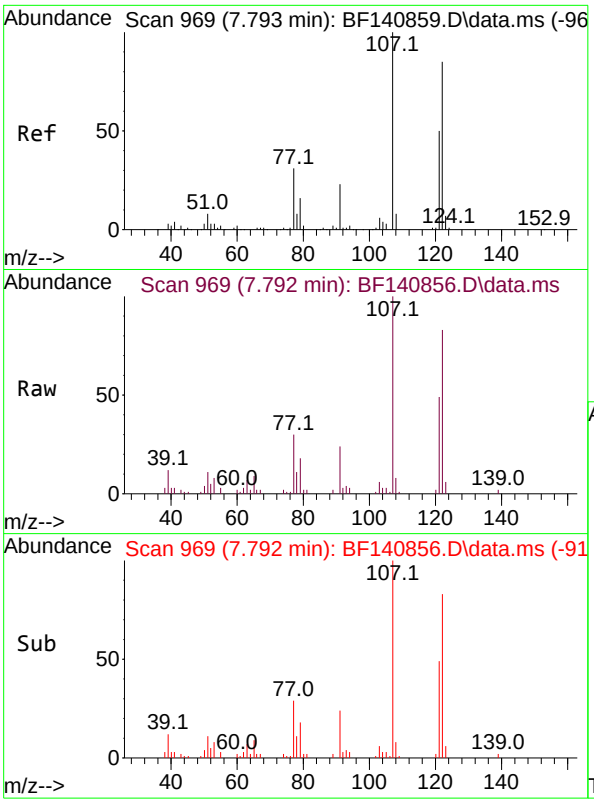




#26
2-Nitrophenol
Concen: 4.847 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:139 Resp: 13994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.5 | 26.9 | 40.3 |
| 65 | 53.8 | 42.6 | 64.0 |



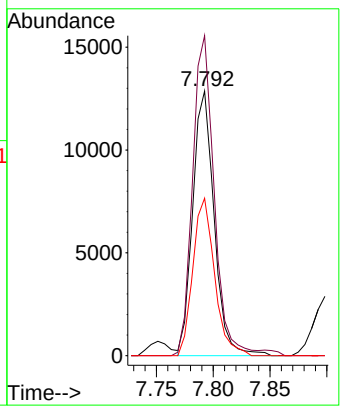


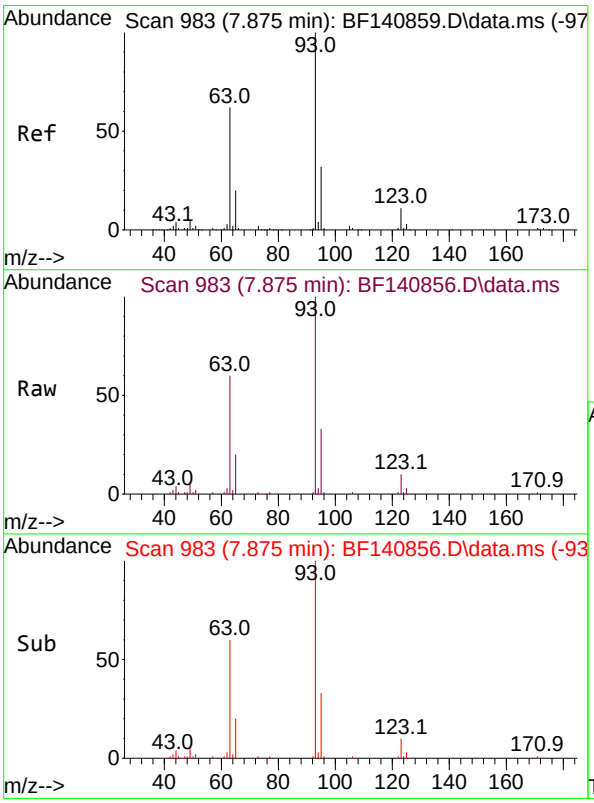

#27
2,4-Dimethylphenol
Concen: 5.017 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:122 Resp: 16915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.9 | 92.6 | 139.0 |
| 121 | 59.5 | 45.8 | 68.8 |

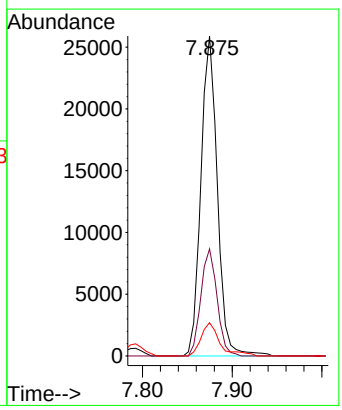


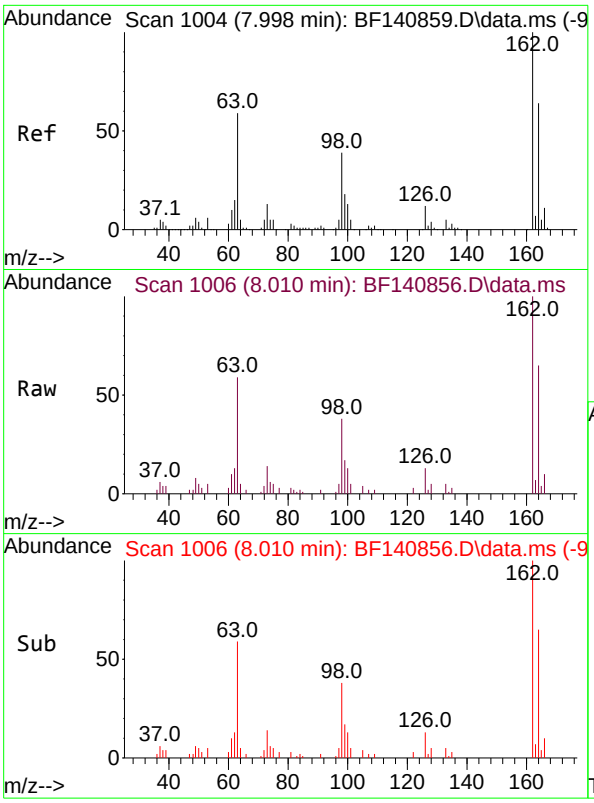




#28
bis(2-Chloroethoxy)methane
Concen: 5.147 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 93 Resp: 32959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.4 | 25.3 | 37.9 |
| 123 | 10.4 | 8.6 | 13.0 |



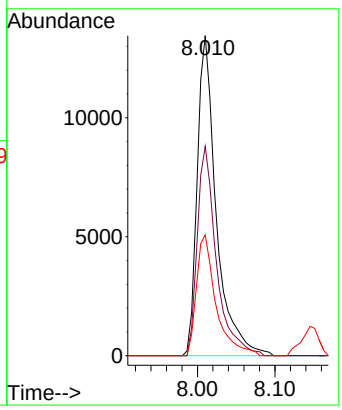


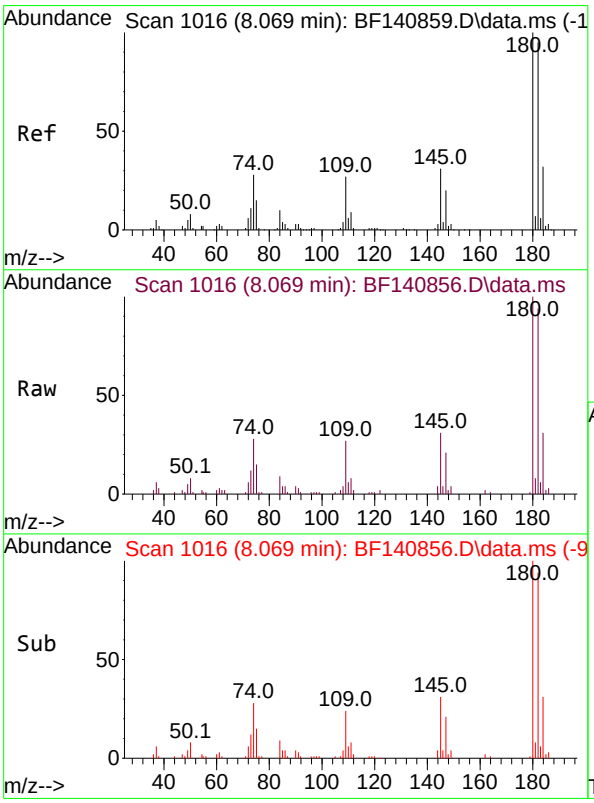

#29
2,4-Dichlorophenol
Concen: 4.937 ng
RT: 8.010 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:162 Resp: 22982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.4 | 43.7 | 83.7 |
| 98 | 37.8 | 18.6 | 58.6 |

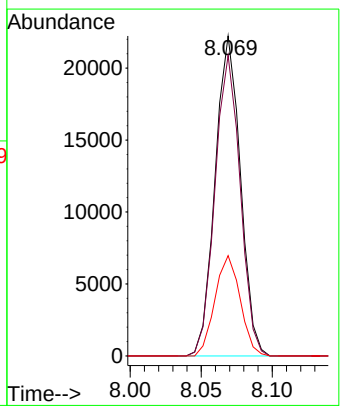


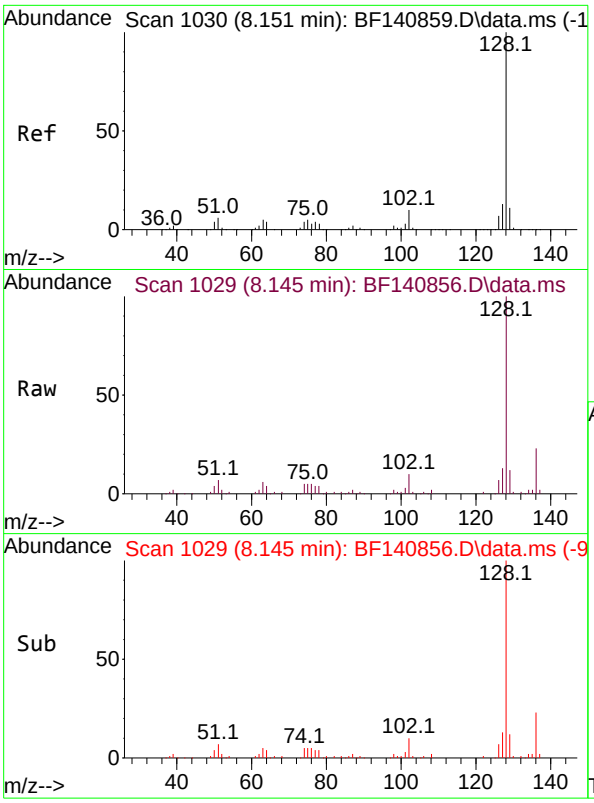




#30
1,2,4-Trichlorobenzene
Concen: 5.160 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:180 Resp: 27533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 75.8 | 113.6 |
| 145 | 31.4 | 25.2 | 37.8 |



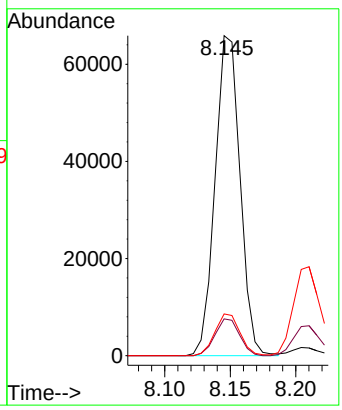


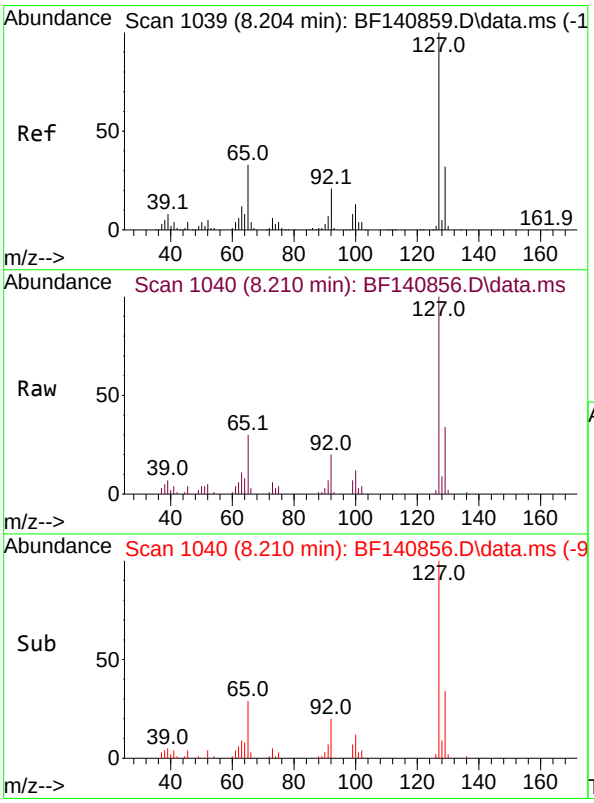

#31
Naphthalene
Concen: 5.179 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:128 Resp: 87082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.9 | 13.3 |
| 127 | 13.1 | 10.6 | 16.0 |

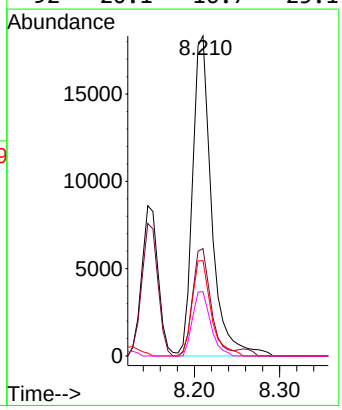


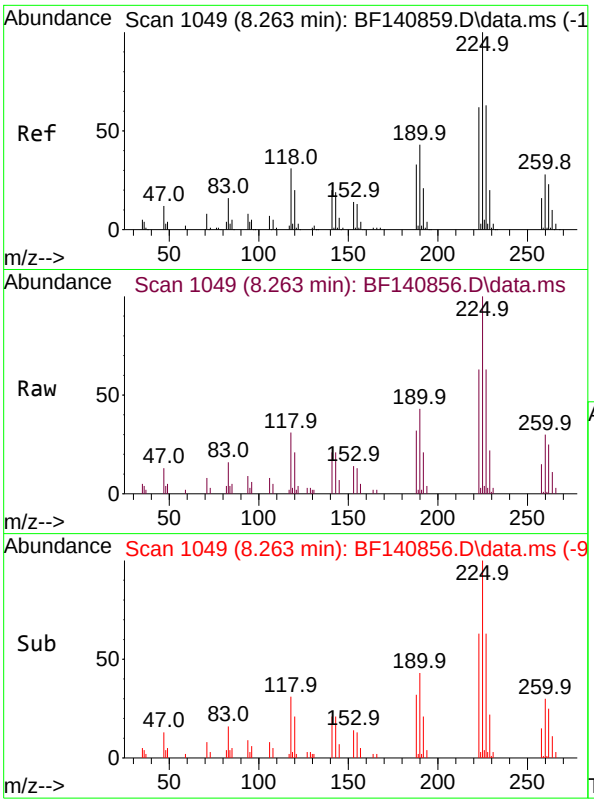




#33
4-Chloroaniline
Concen: 5.091 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:127 Resp: 28431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.5 | 26.0 | 39.0 |
| 65 | 29.8 | 26.0 | 39.0 |
| 92 | 20.1 | 16.7 | 25.1 |



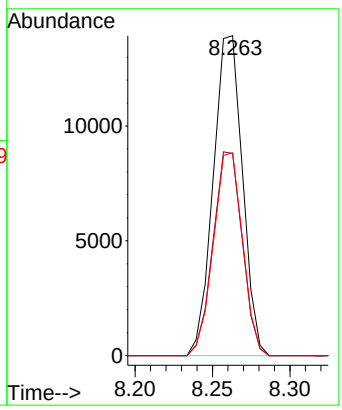


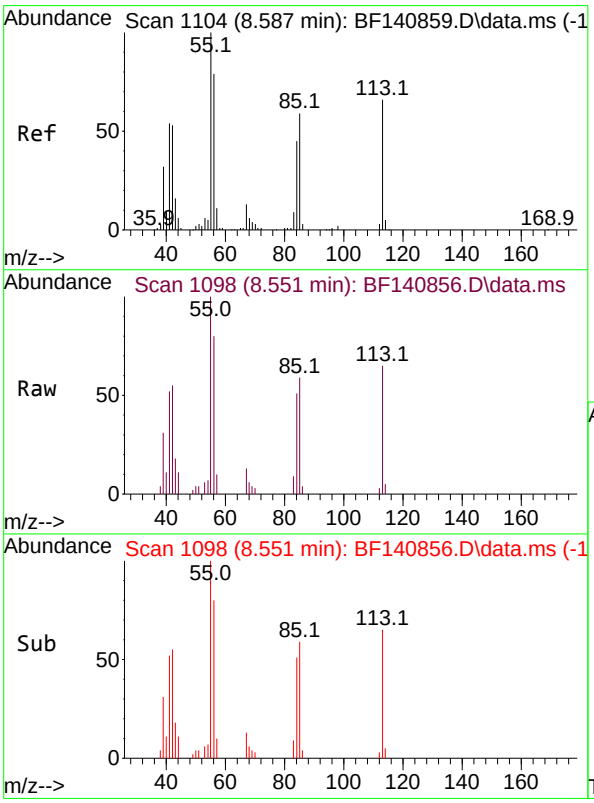

#34
Hexachlorobutadiene
Concen: 5.096 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:225 Resp: 18296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.6 | 74.4 |
| 227 | 63.4 | 50.7 | 76.1 |

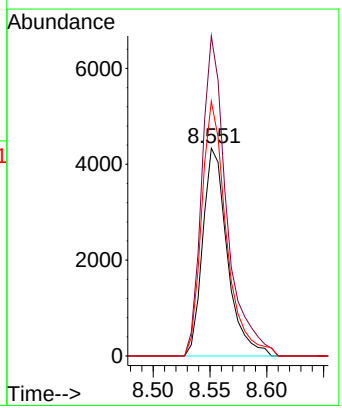


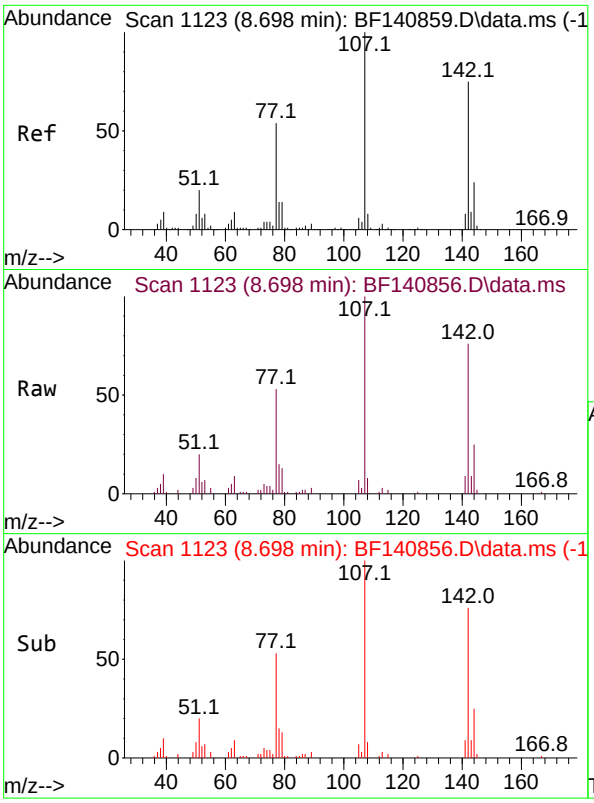




#35
Caprolactam
Concen: 4.714 ng
RT: 8.551 min Scan# 1098
Delta R.T. -0.035 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:113 Resp: 6533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 153.9 | 132.3 | 172.3 |
| 56 | 122.5 | 100.3 | 140.3 |



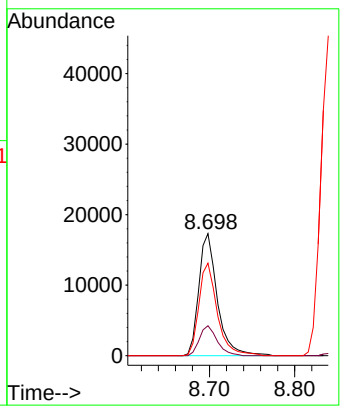


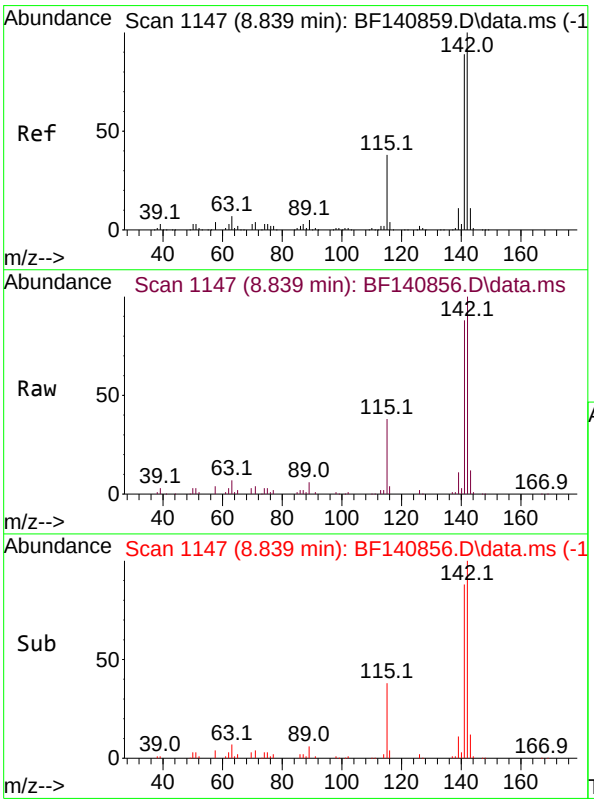

#36
4-Chloro-3-methylphenol
Concen: 4.989 ng
RT: 8.698 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:107 Resp: 26136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 19.4 | 29.2 |
| 142 | 75.8 | 60.3 | 90.5 |

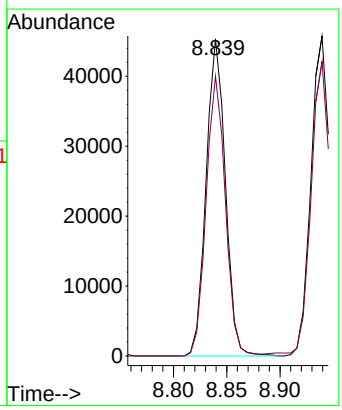


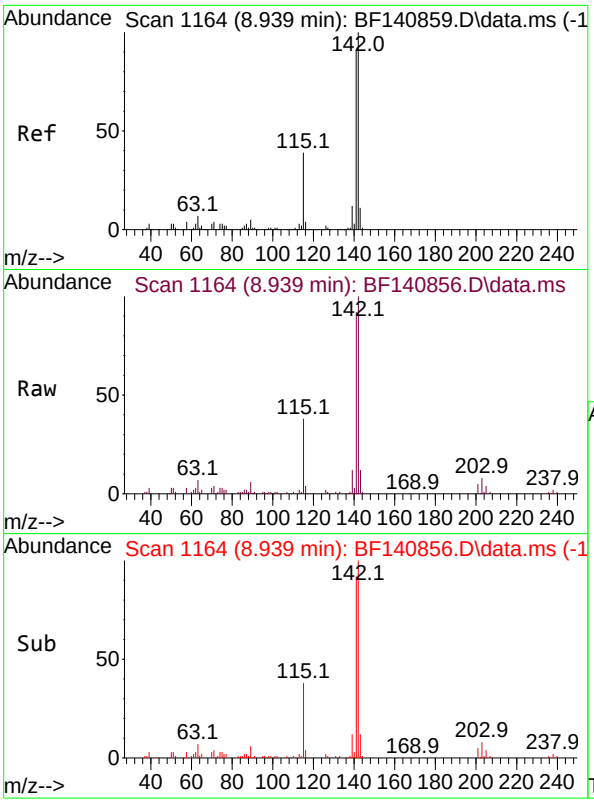




#37
2-Methylnaphthalene
Concen: 5.121 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:142 Resp: 56964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.0 | 106.6 |



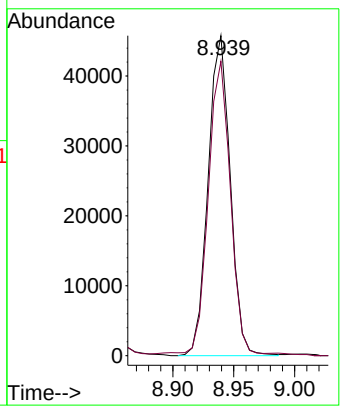


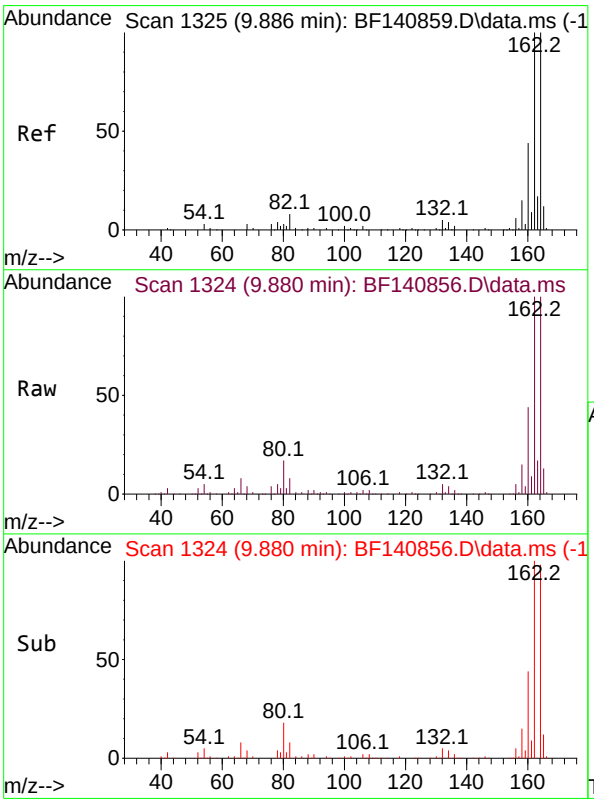

#38
1-Methylnaphthalene
Concen: 5.270 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:142 Resp: 57978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.4 | 110.0 |

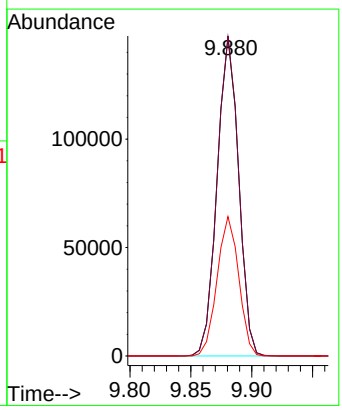


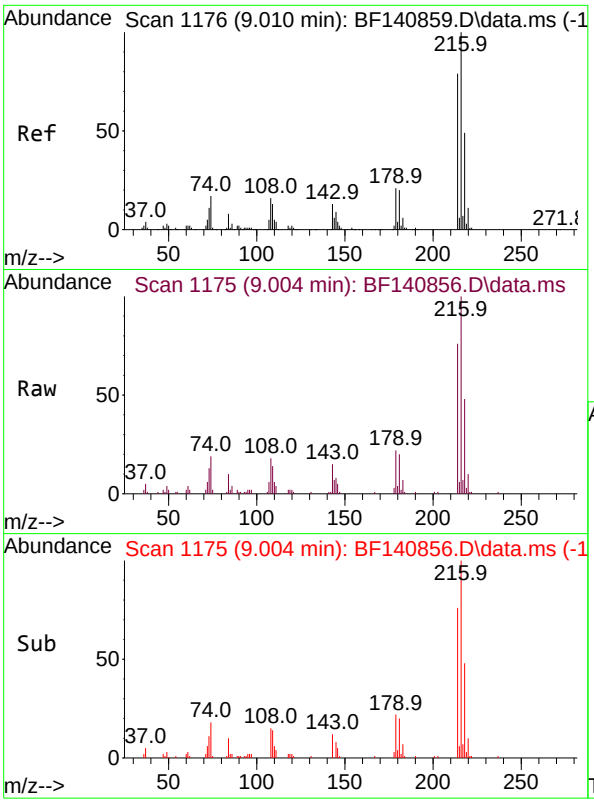




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:164 Resp: 181131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 79.9 | 119.9 |
| 160 | 43.8 | 35.2 | 52.8 |



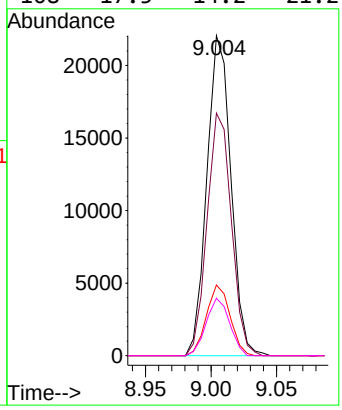


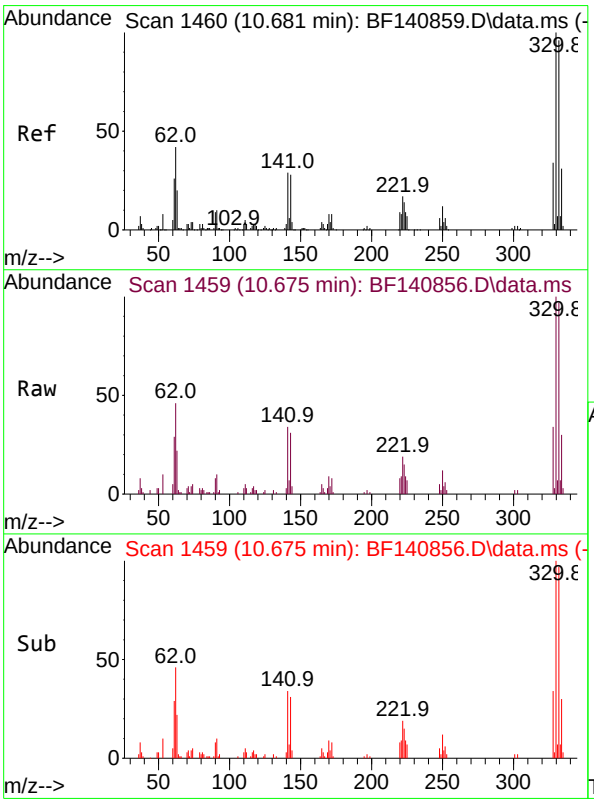

#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.059 ng
RT: 9.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:216 Resp: 28167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 76.4 | 63.6 | 95.4 |
| 179 | 21.7 | 17.0 | 25.4 |
| 108 | 17.5 | 14.2 | 21.2 |

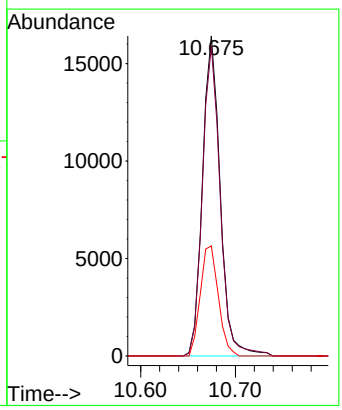


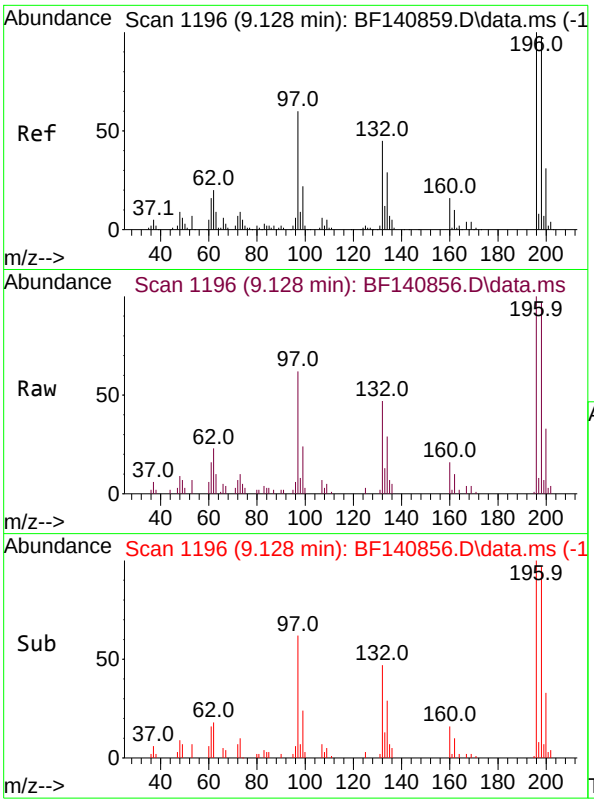




#42
2,4,6-Tribromophenol
Concen: 9.950 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:330 Resp: 21315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 76.2 | 114.4 |
| 141 | 35.0 | 24.9 | 37.3 |



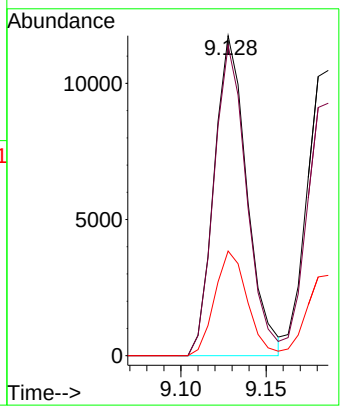


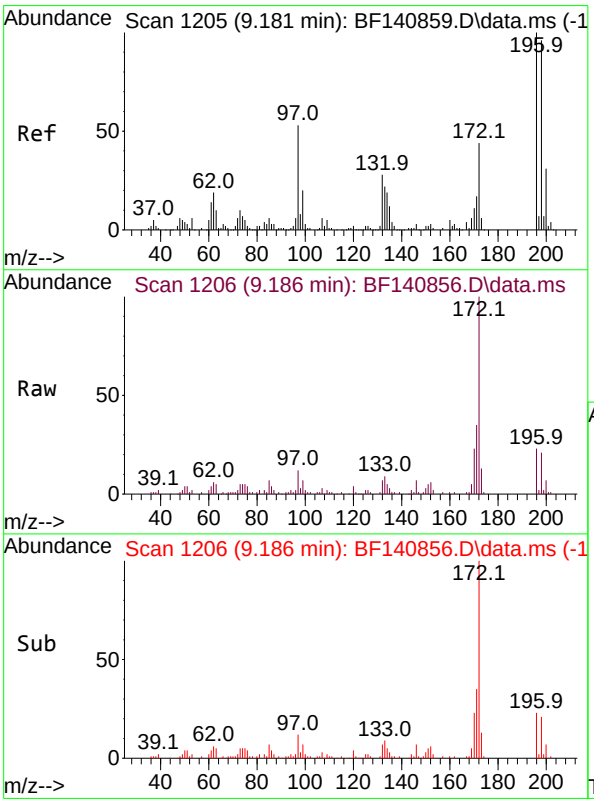

#43
2,4,6-Trichlorophenol
Concen: 4.622 ng
RT: 9.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:196 Resp: 15756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.0 | 77.4 | 116.0 |
| 200 | 32.7 | 24.5 | 36.7 |

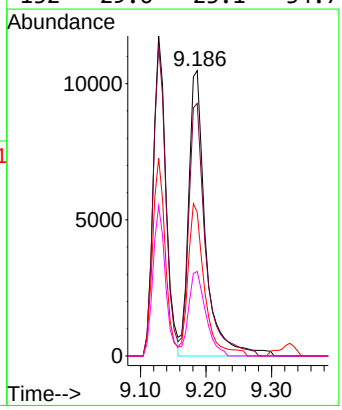


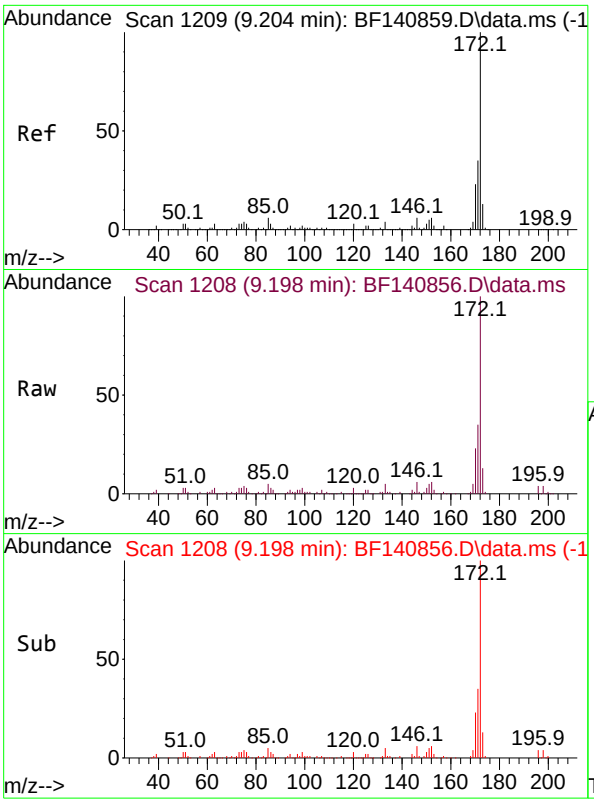




#44
2,4,5-Trichlorophenol
Concen: 4.990 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:196 Resp: 18698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 88.5 | 77.2 | 115.8 |
| 97 | 50.3 | 42.2 | 63.4 |
| 132 | 29.6 | 23.1 | 34.7 |



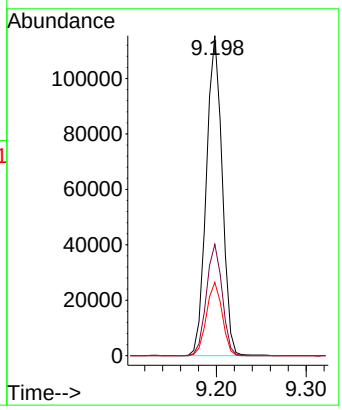


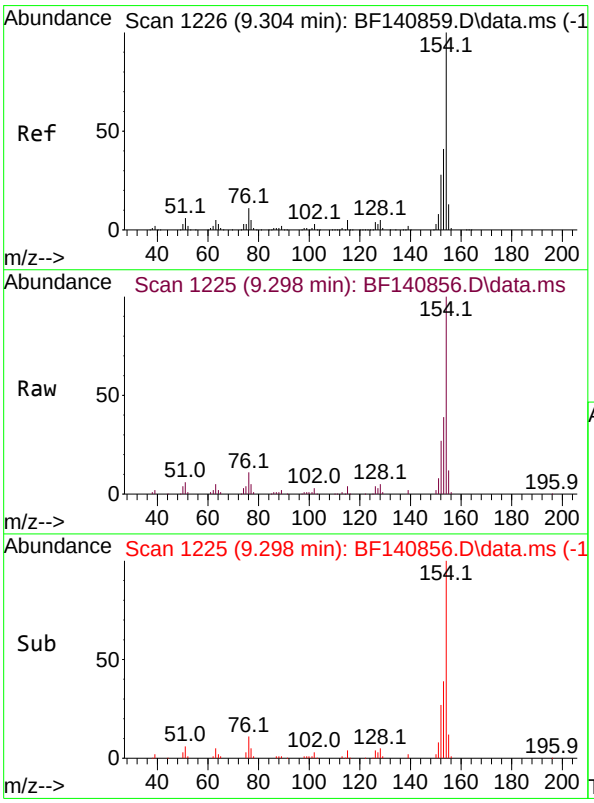

#45
2-Fluorobiphenyl
Concen: 10.726 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:172 Resp: 141311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.4 | 42.6 |
| 170 | 22.9 | 18.6 | 28.0 |

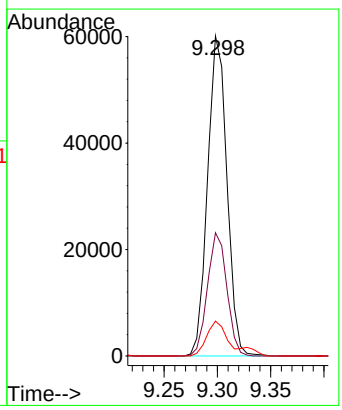


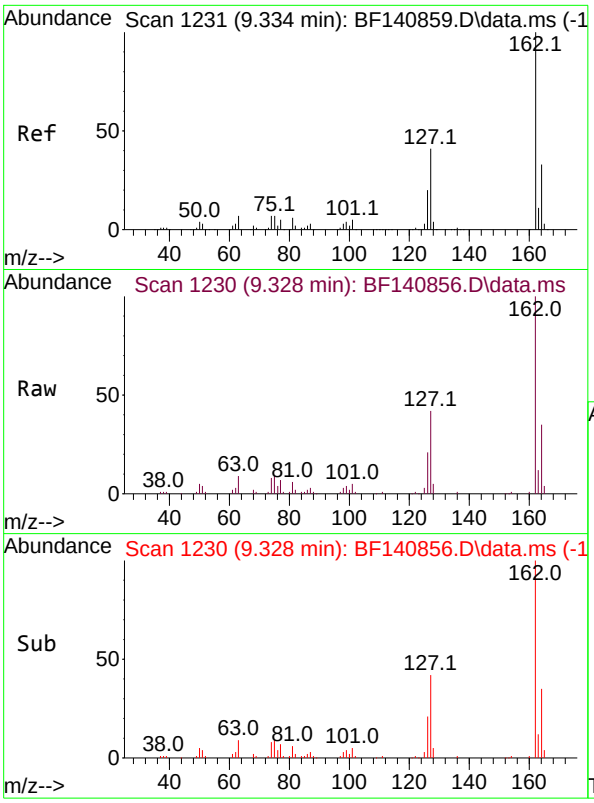




#46
1,1'-Biphenyl
Concen: 5.276 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:154 Resp: 75993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 38.5 | 20.8 | 60.8 |
| 76 | 10.9 | 0.0 | 31.0 |



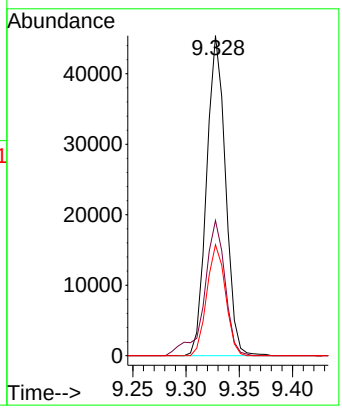


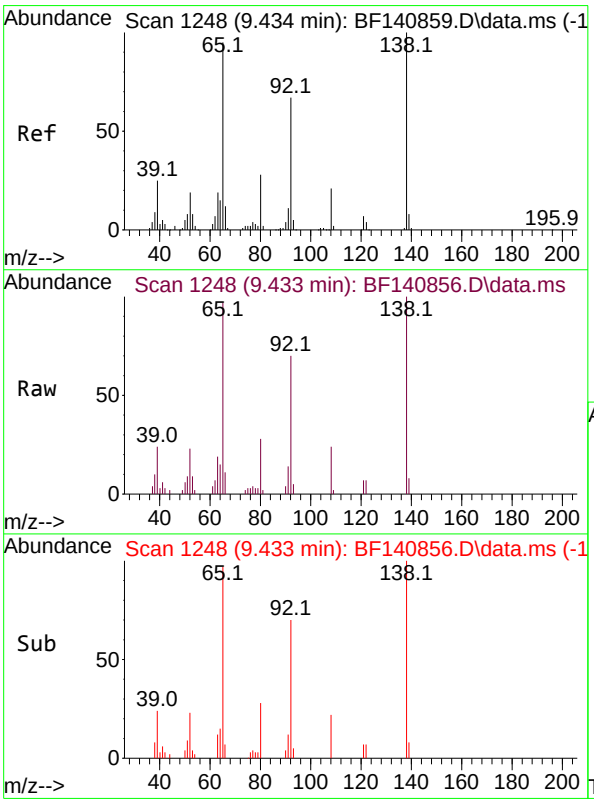

#47
2-Chloronaphthalene
Concen: 5.080 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:162 Resp: 55976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 33.5 | 50.3 |
| 164 | 34.6 | 26.2 | 39.2 |

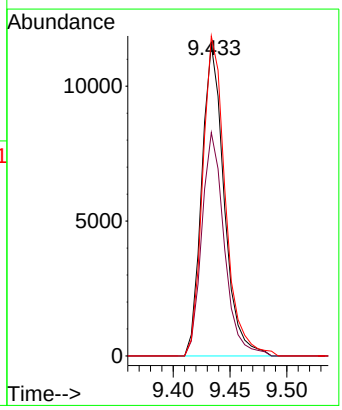


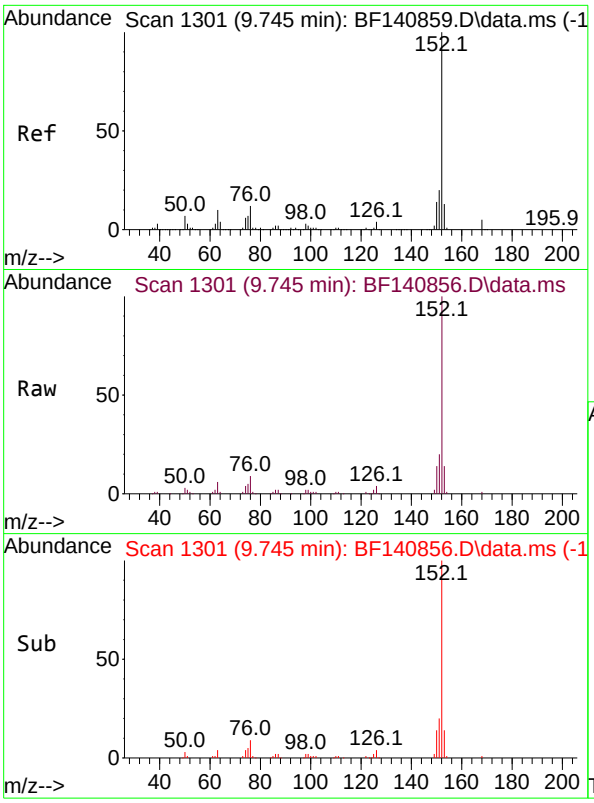




#48
2-Nitroaniline
Concen: 4.757 ng
RT: 9.433 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 65 Resp: 15829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.7 | 56.3 | 84.5 |
| 138 | 102.8 | 83.8 | 125.6 |



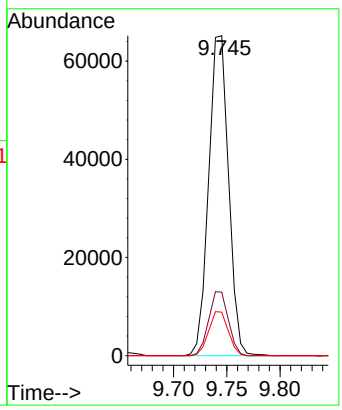


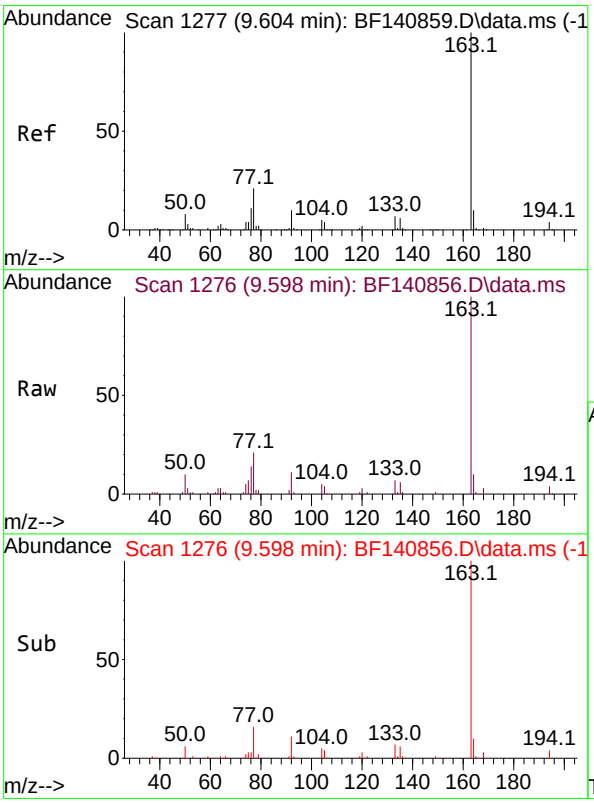

#49
Acenaphthylene
Concen: 5.241 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:152 Resp: 84871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.6 | 10.6 | 16.0 |

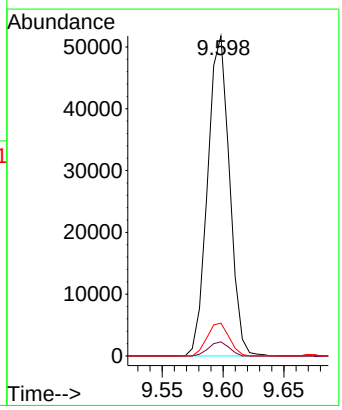


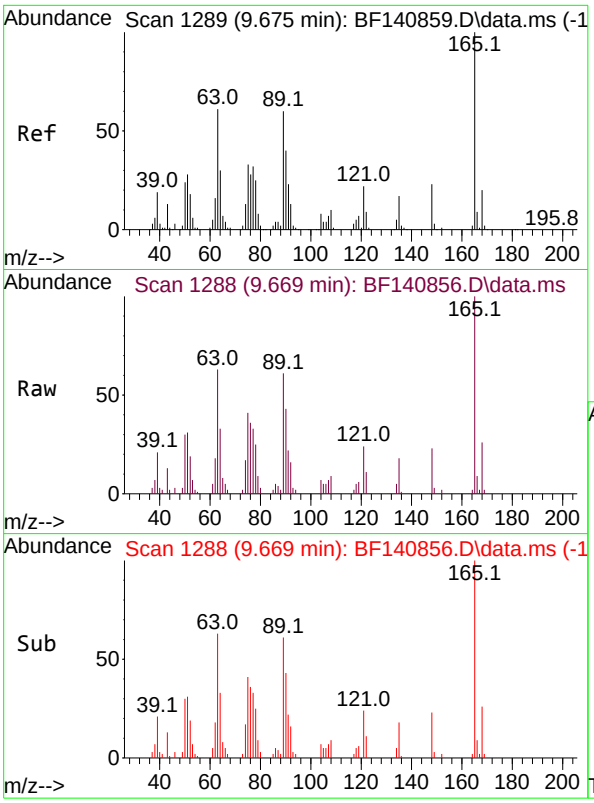




#50
Dimethylphthalate
Concen: 5.075 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:163 Resp: 64810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.1 | 4.7 |
| 164 | 10.3 | 8.1 | 12.1 |



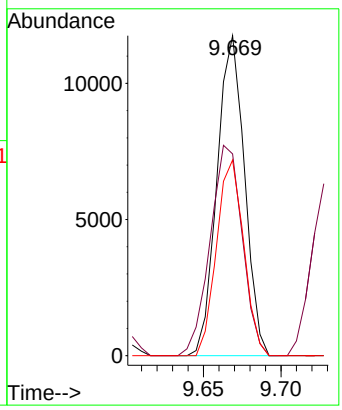


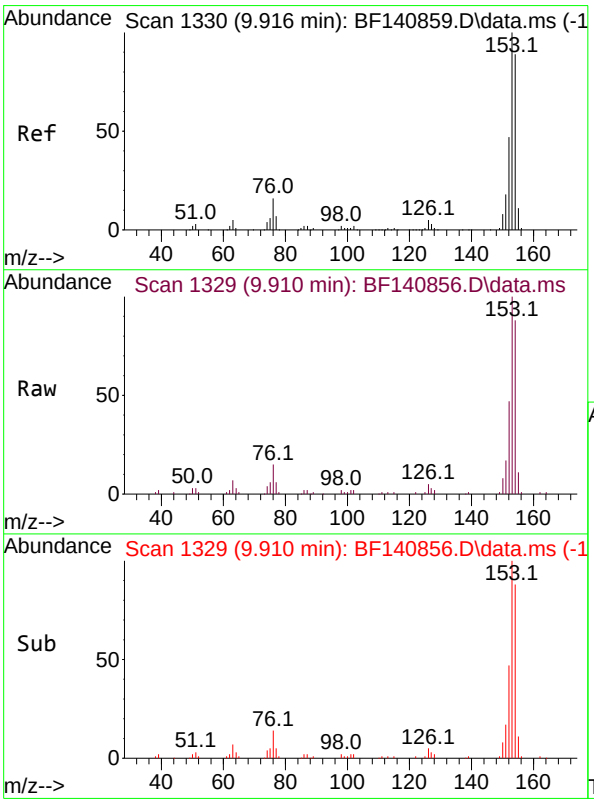

#51
2,6-Dinitrotoluene
Concen: 4.969 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:165 Resp: 14507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.1 | 49.7 | 74.5 |
| 89 | 61.2 | 48.2 | 72.4 |

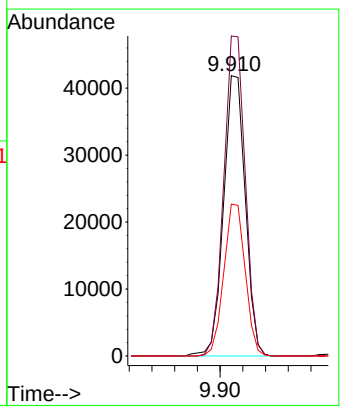


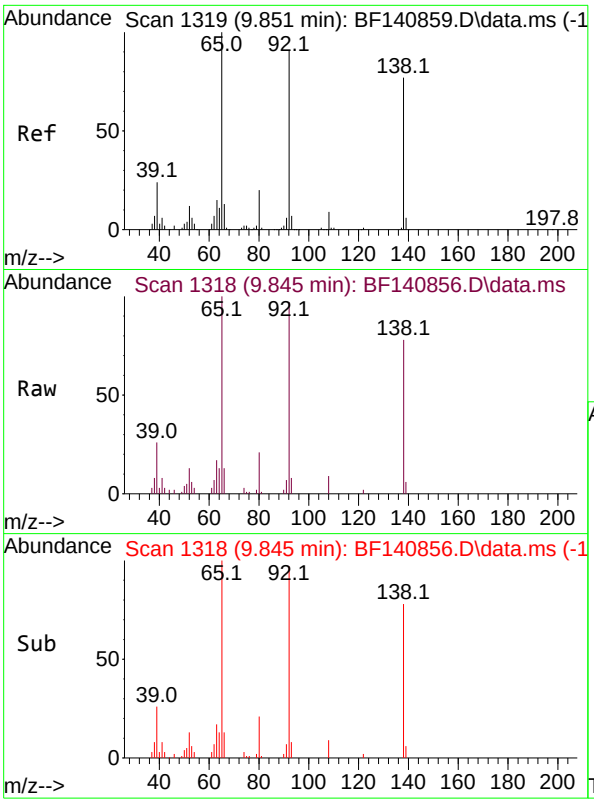




#52
Acenaphthene
Concen: 5.378 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:154 Resp: 55626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.2 | 89.9 | 134.9 |
| 152 | 54.2 | 42.6 | 63.8 |



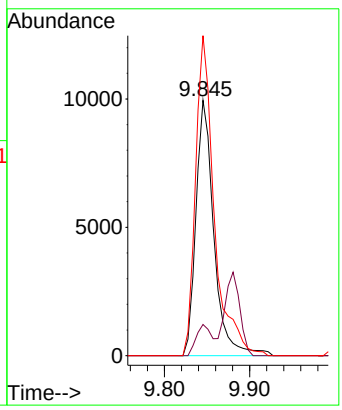


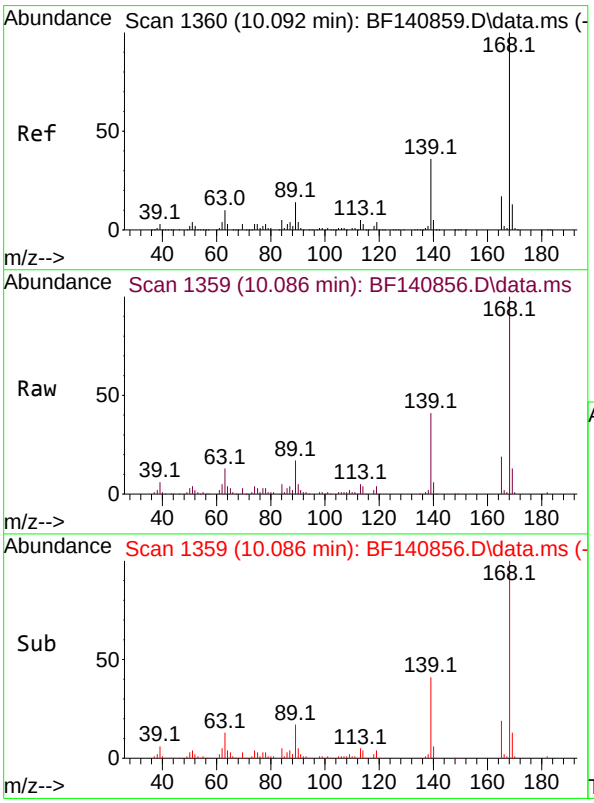

#53
3-Nitroaniline
Concen: 5.034 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:138 Resp: 14583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.2 | 9.0 | 13.4 |
| 92 | 125.3 | 95.5 | 143.3 |

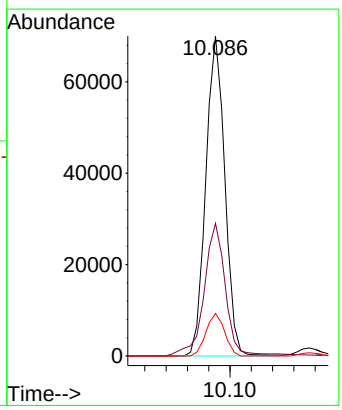


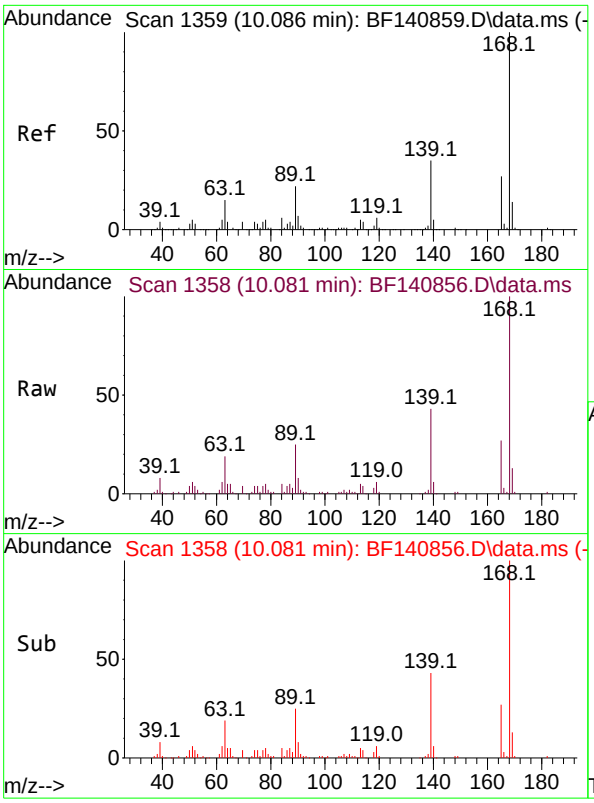




#55
Dibenzofuran
Concen: 5.426 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:168 Resp: 86963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.5 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |



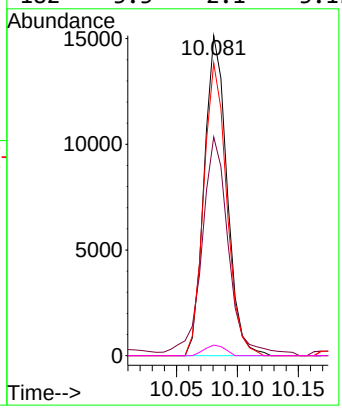


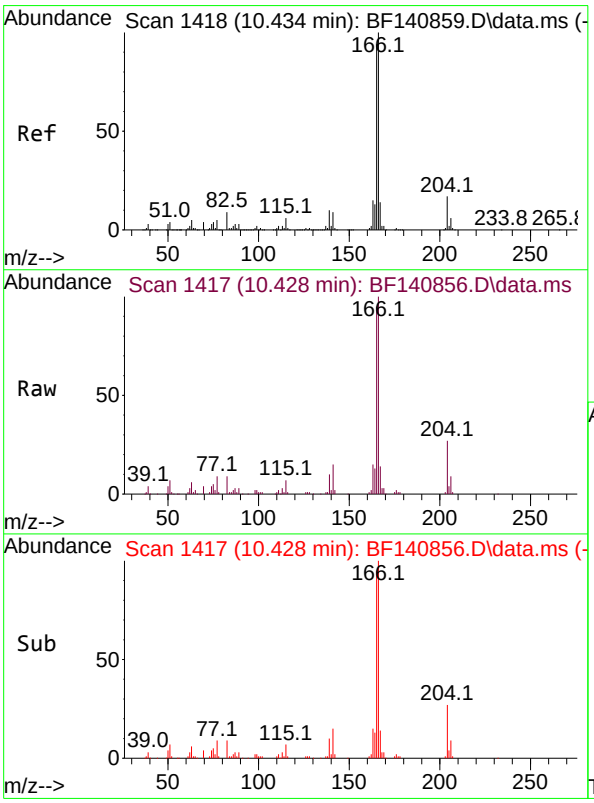

#57
2,4-Dinitrotoluene
Concen: 5.129 ng
RT: 10.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:165 Resp: 19701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 68.4 | 49.3 | 73.9 |
| 89 | 91.4 | 66.2 | 99.4 |
| 182 | 3.3 | 2.1 | 3.1# |

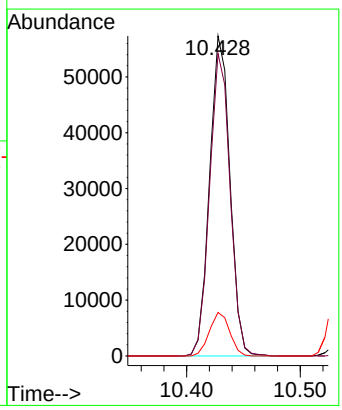


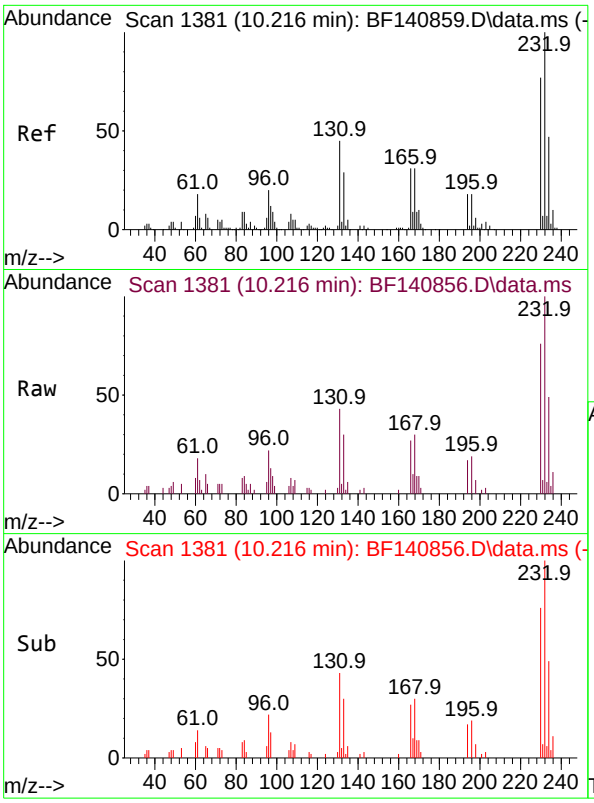




#58
Fluorene
Concen: 5.388 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:166 Resp: 71243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.5 | 75.1 | 112.7 |
| 167 | 13.6 | 11.1 | 16.7 |



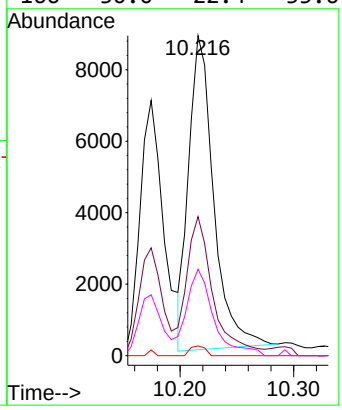


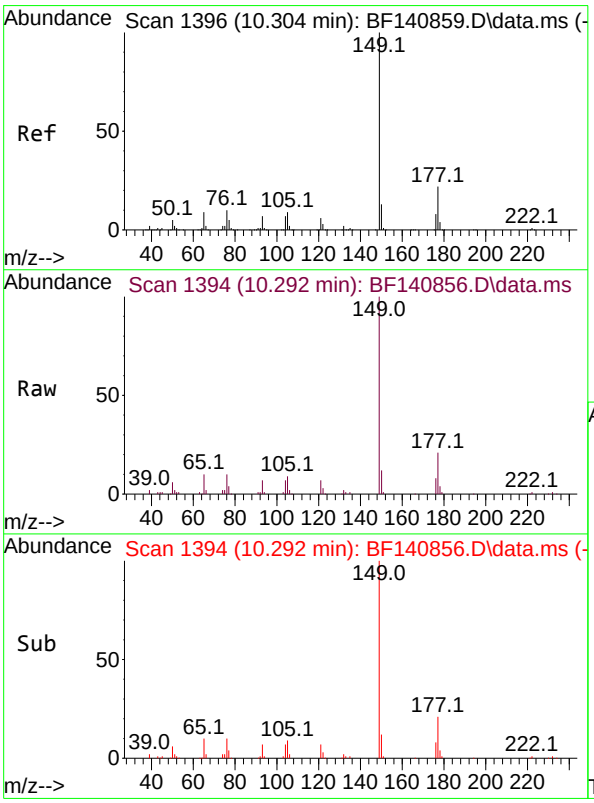

#59
2,3,4,6-Tetrachlorophenol
Concen: 4.400 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:232 Resp: 13434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.8 | 35.1 | 52.7 |
| 130 | 1.9 | 1.8 | 2.8 |
| 166 | 30.0 | 22.4 | 33.6 |

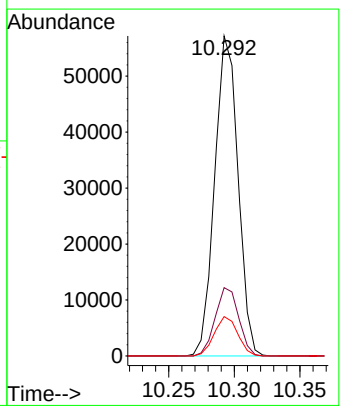


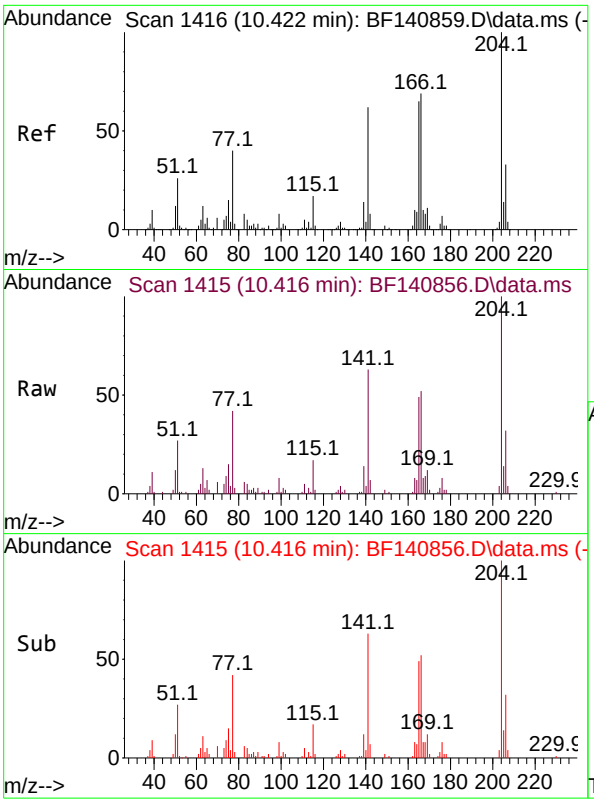




#60
Diethylphthalate
Concen: 5.341 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:149 Resp: 70725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.2 | 25.8 |
| 150 | 12.3 | 10.1 | 15.1 |



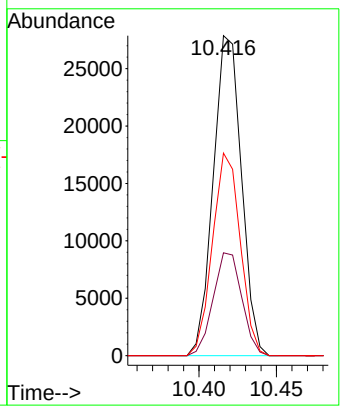


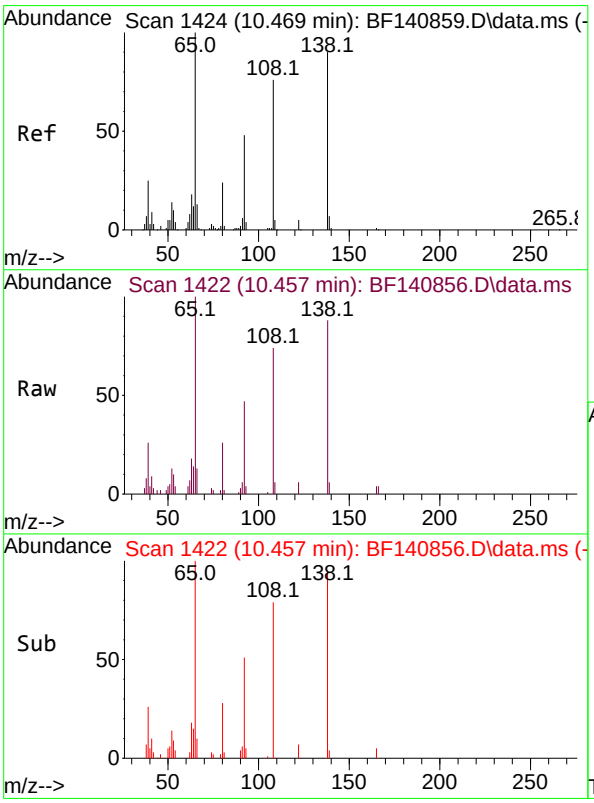

#61
4-Chlorophenyl-phenylether
Concen: 5.315 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:204 Resp: 35304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 26.5 | 39.7 |
| 141 | 63.3 | 50.0 | 75.0 |

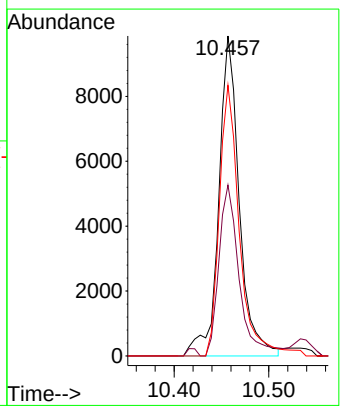


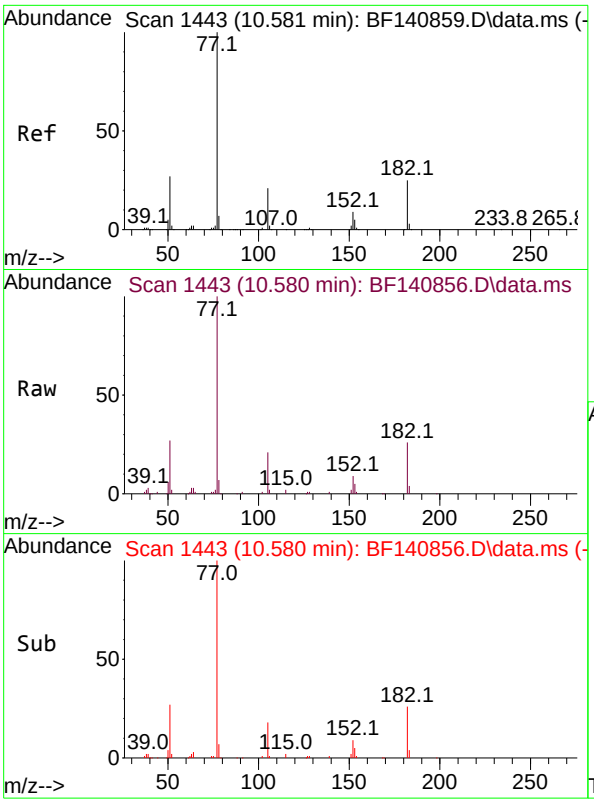




#62
4-Nitroaniline
Concen: 4.916 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:138 Resp: 14883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.4 | 32.6 | 72.6 |
| 108 | 84.6 | 64.1 | 104.1 |



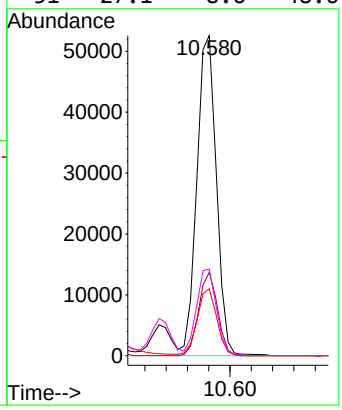


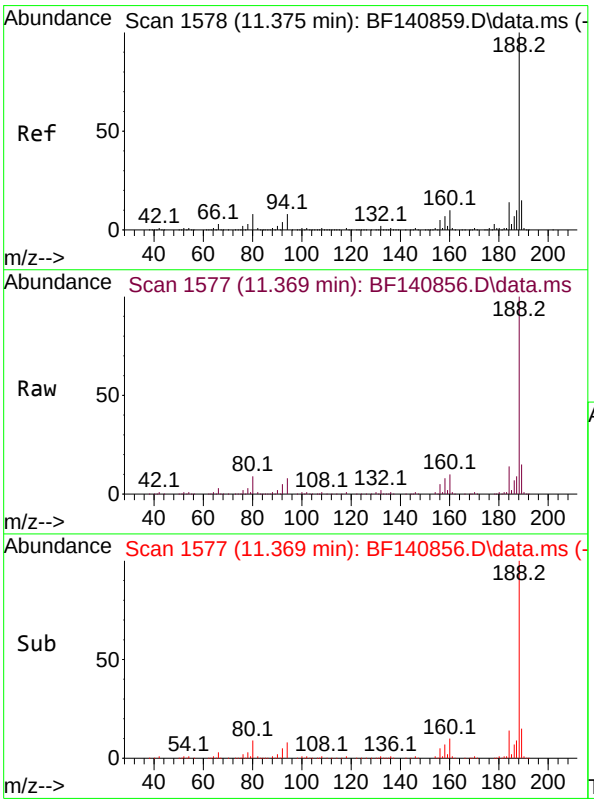

#63
Azobenzene
Concen: 5.391 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion: 77 Resp: 67111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.0 | 4.5 | 44.5 |
| 105 | 20.9 | 0.9 | 40.9 |
| 51 | 27.1 | 8.6 | 48.6 |

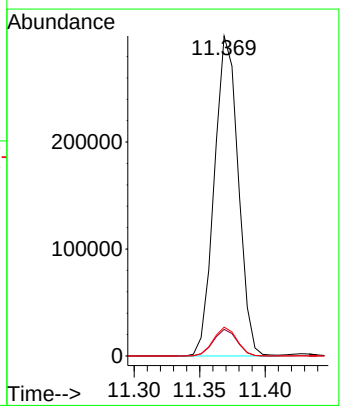


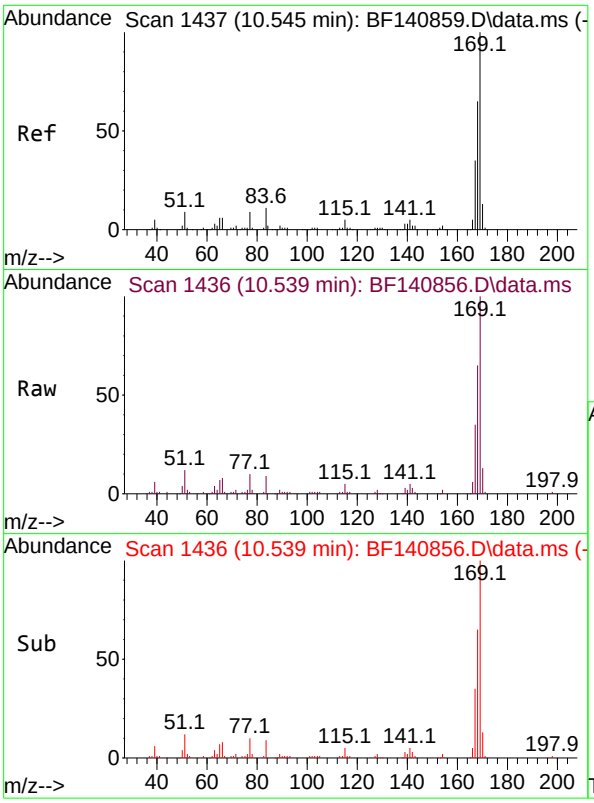




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:188 Resp: 379227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.4 | 9.6 |
| 80 | 9.0 | 6.8 | 10.2 |



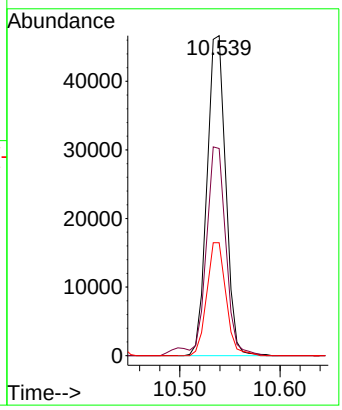


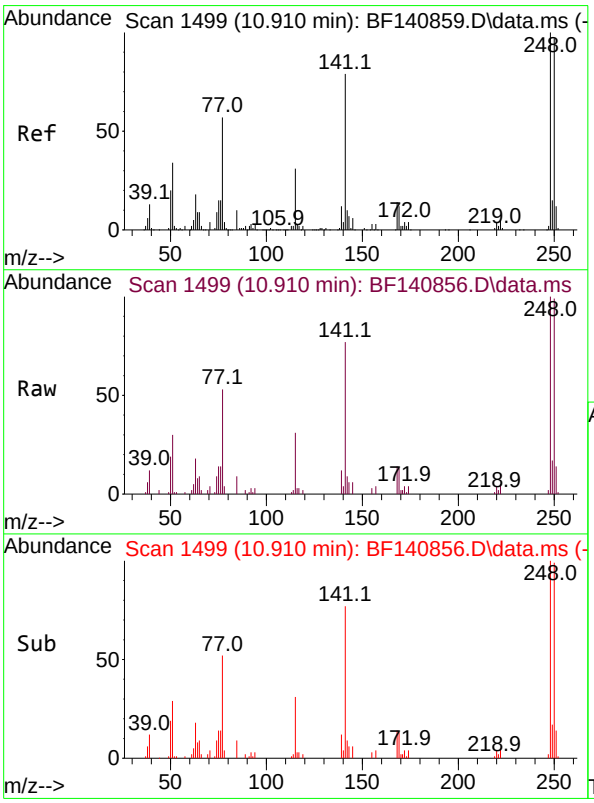

#66
n-Nitrosodiphenylamine
Concen: 5.196 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:169 Resp: 60581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.7 | 53.4 | 80.0 |
| 167 | 35.3 | 28.3 | 42.5 |

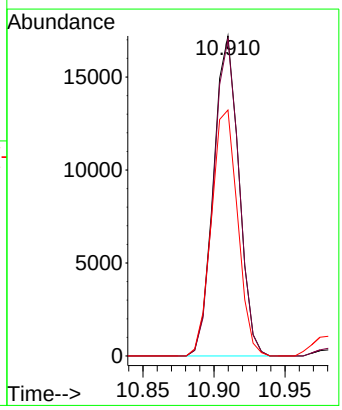


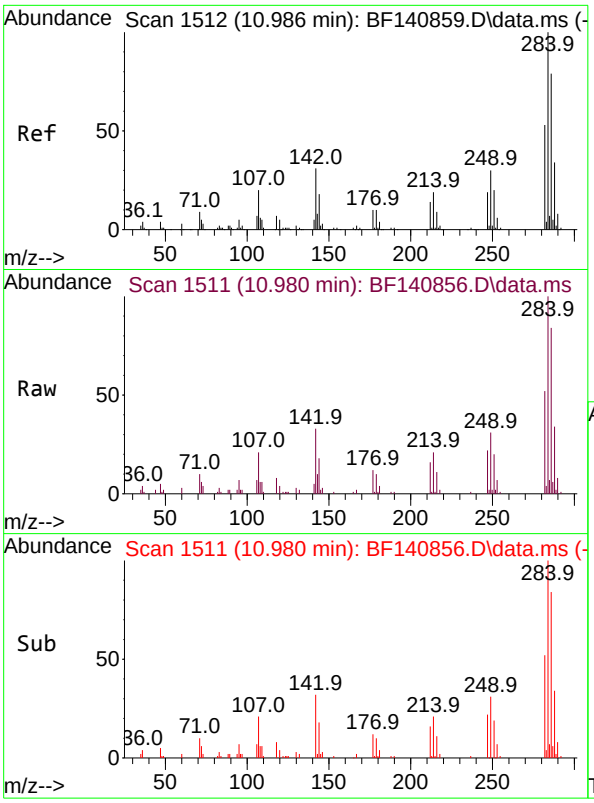




#67
4-Bromophenyl-phenylether
Concen: 5.028 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:248 Resp: 21332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.0 | 77.4 | 116.2 |
| 141 | 76.9 | 62.9 | 94.3 |



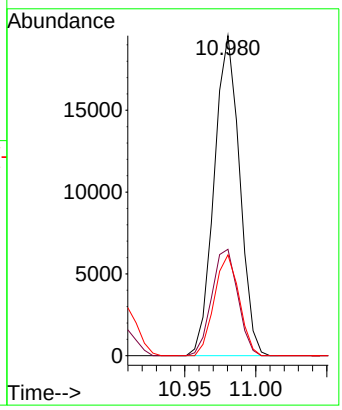


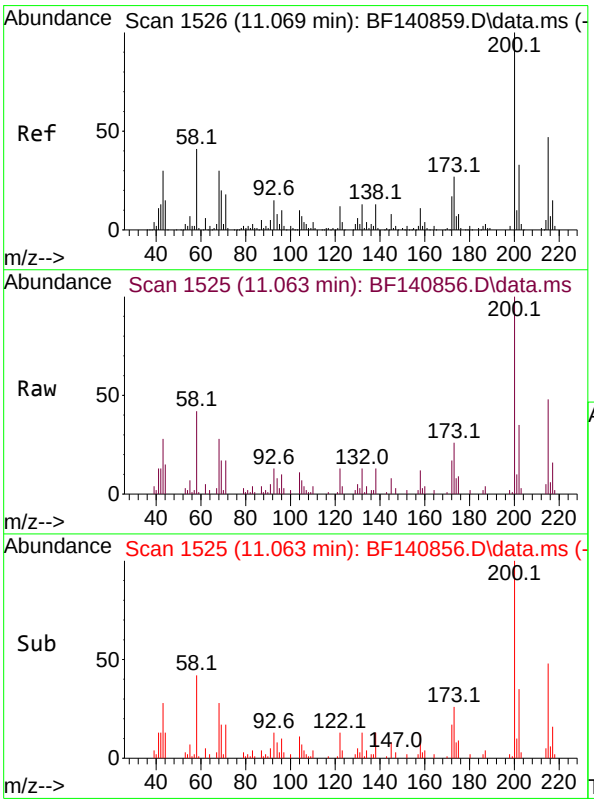

#68
Hexachlorobenzene
Concen: 5.066 ng
RT: 10.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:284 Resp: 24367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.3 | 24.6 | 36.8 |
| 249 | 31.5 | 24.3 | 36.5 |

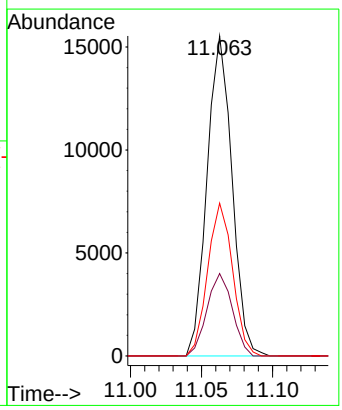


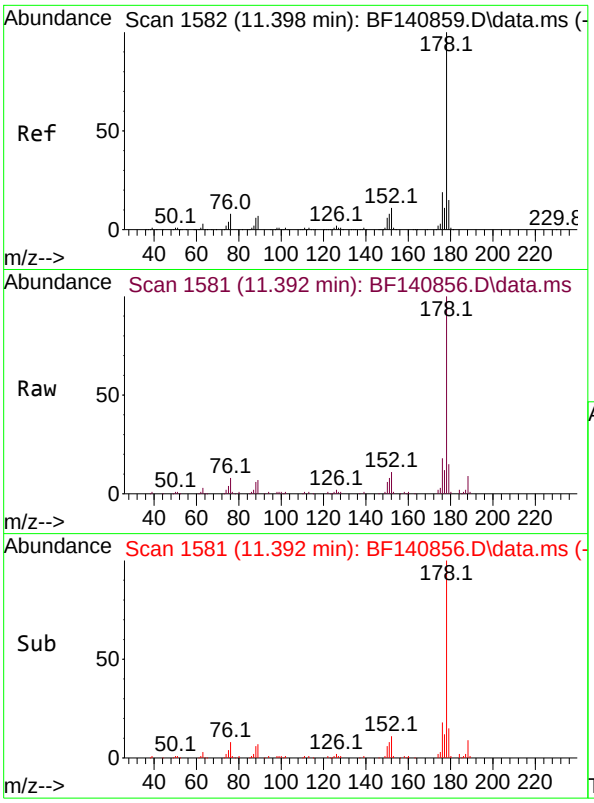




#69
Atrazine
Concen: 5.817 ng
RT: 11.063 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:200 Resp: 18943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.8 | 6.6 | 46.6 |
| 215 | 47.7 | 26.7 | 66.7 |



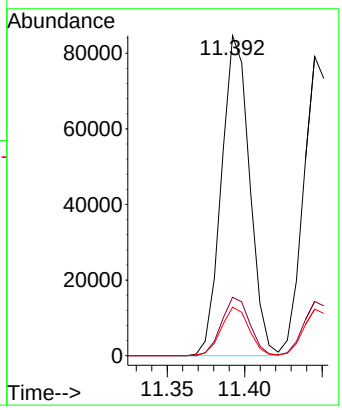


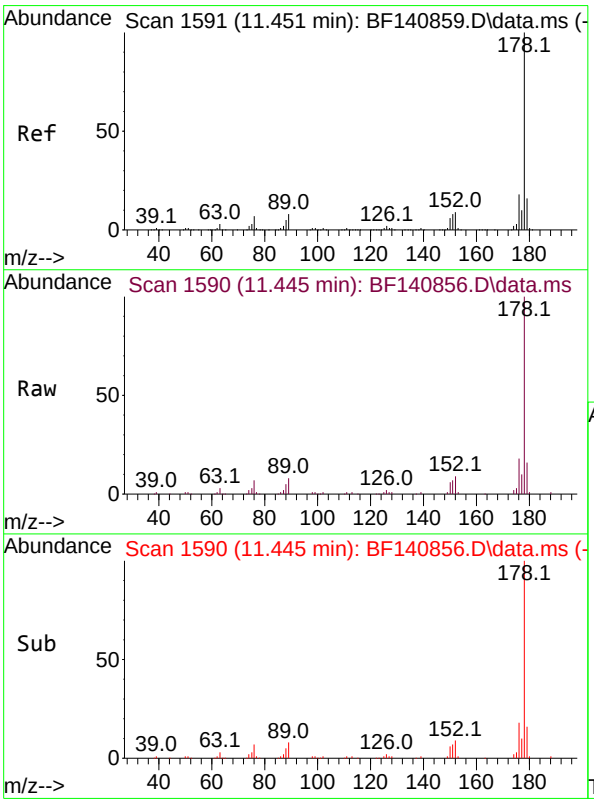

#71
Phenanthrene
Concen: 5.470 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:178 Resp: 106671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.4 | 23.2 |
| 179 | 15.1 | 12.1 | 18.1 |

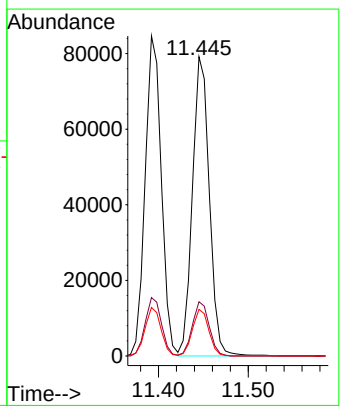


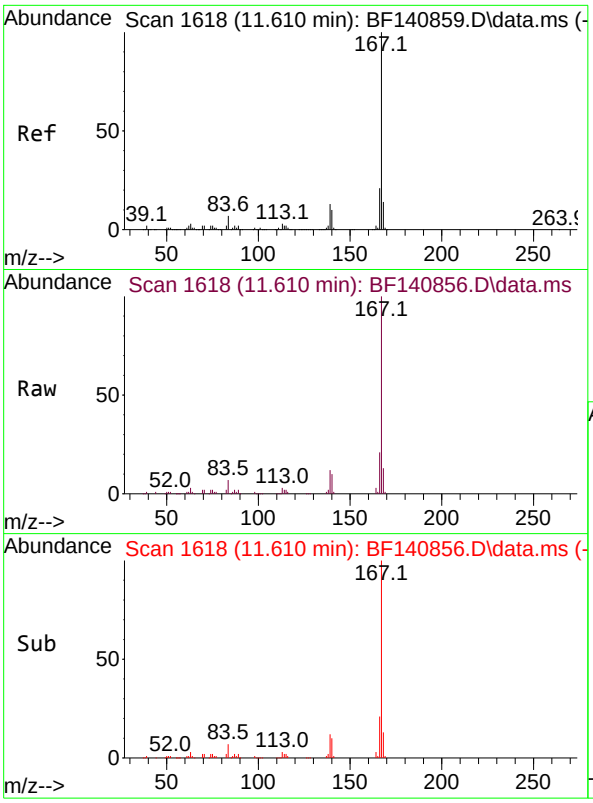




#72
Anthracene
Concen: 5.385 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:178 Resp: 103428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.6 | 22.0 |
| 179 | 15.6 | 12.6 | 18.8 |



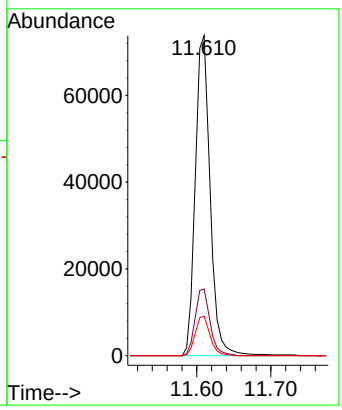


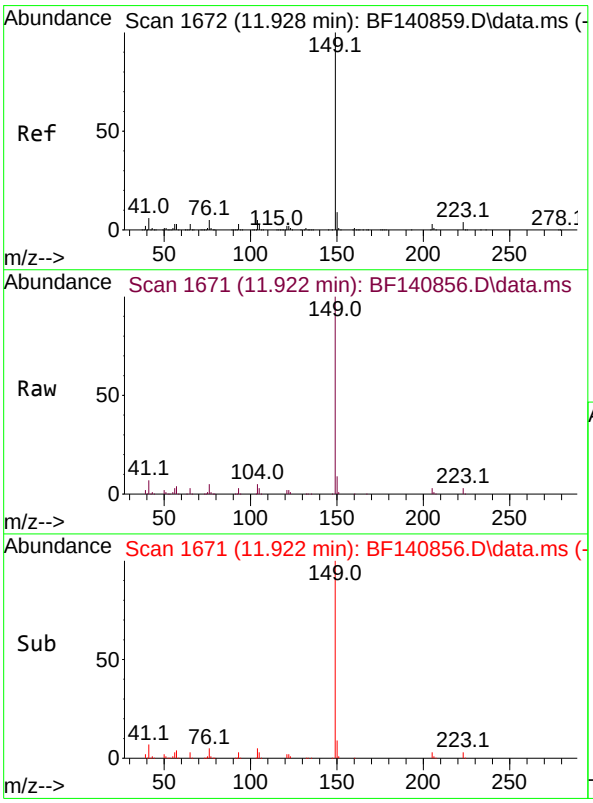

#73
Carbazole
Concen: 5.473 ng
RT: 11.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:167 Resp: 102961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.8 | 17.0 | 25.6 |
| 139 | 12.3 | 10.2 | 15.2 |

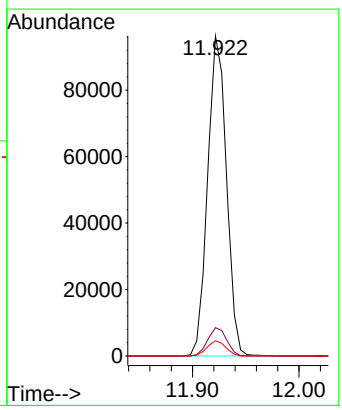


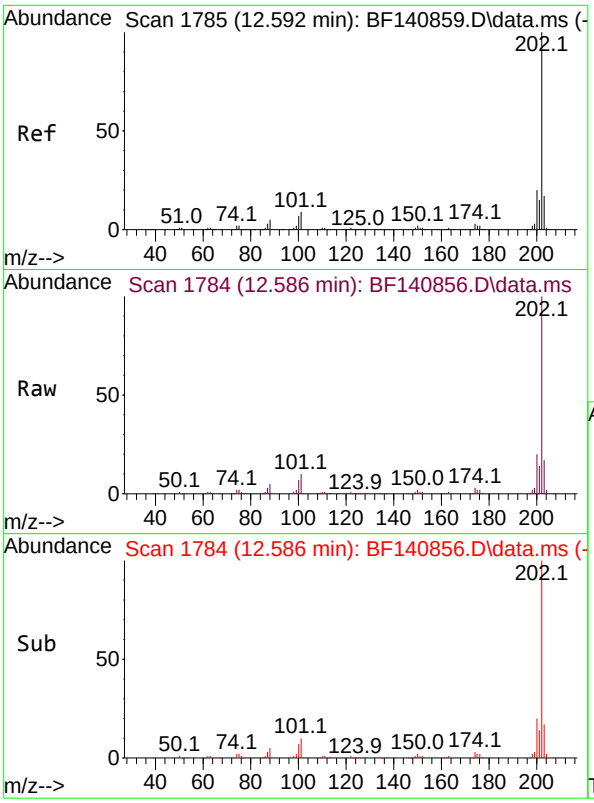




#74
Di-n-butylphthalate
Concen: 5.347 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:149 Resp: 118050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.5 | 11.3 |
| 104 | 4.7 | 3.8 | 5.8 |



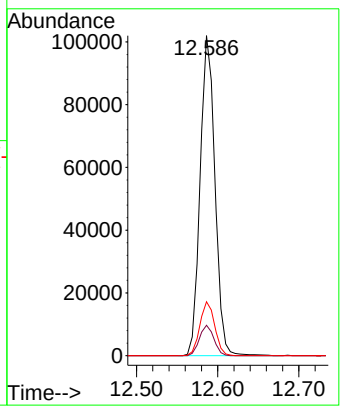


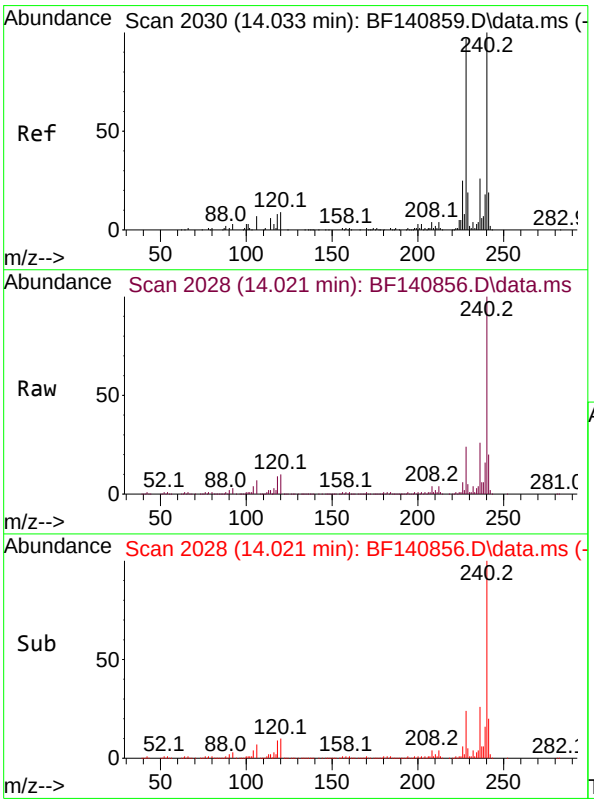

#75
Fluoranthene
Concen: 5.758 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:202 Resp: 129330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 29.3 |
| 203 | 16.9 | 0.0 | 37.4 |

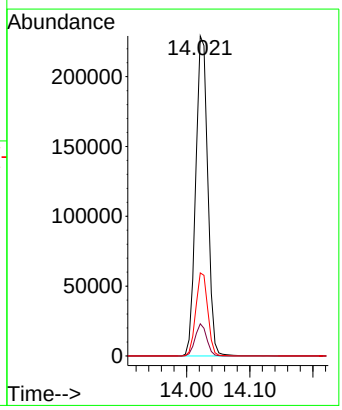


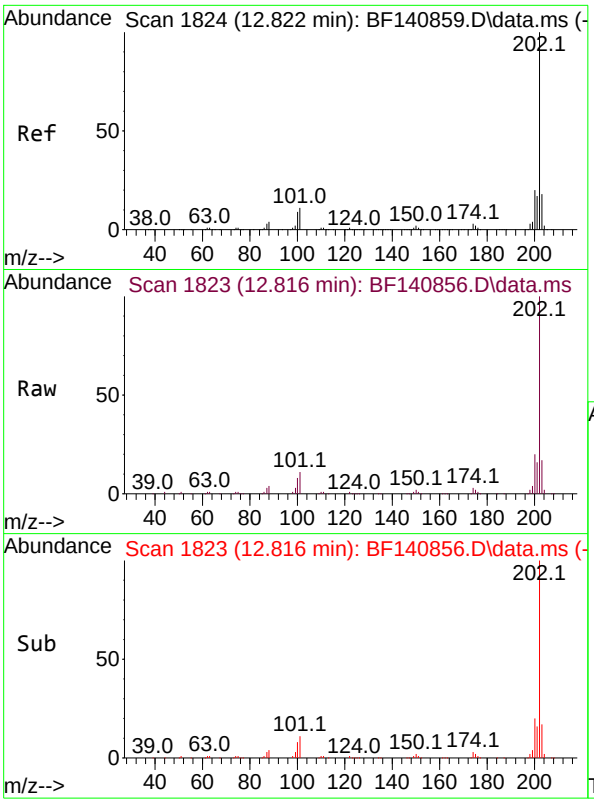




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:240 Resp: 302472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 7.6 | 11.4 |
| 236 | 26.0 | 20.5 | 30.7 |



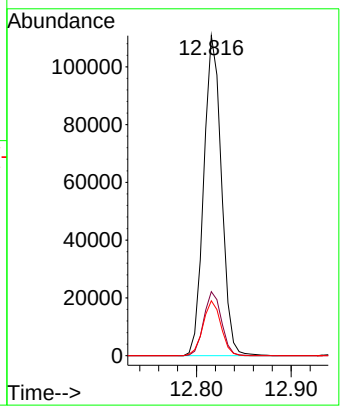


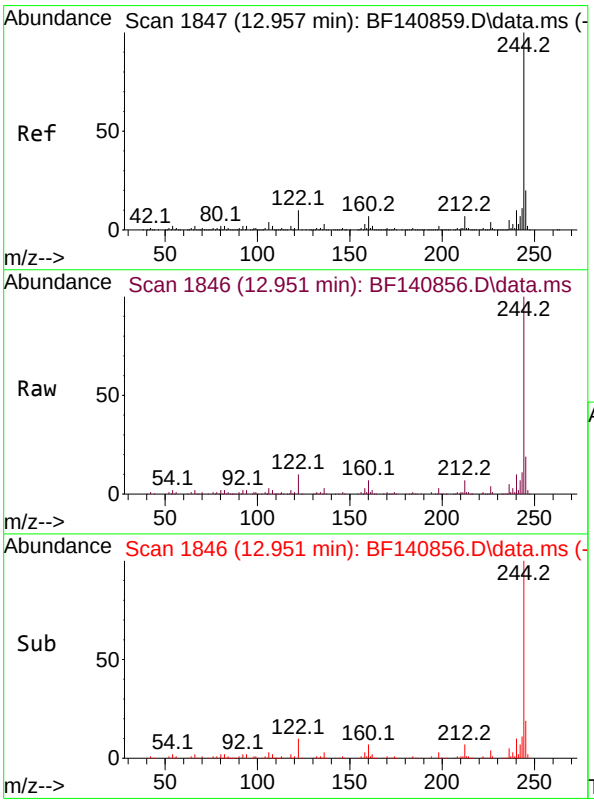

#78
Pyrene
Concen: 5.352 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:202 Resp: 143947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 16.1 | 24.1 |
| 203 | 17.1 | 14.2 | 21.4 |

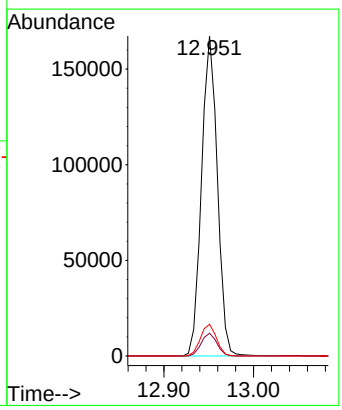


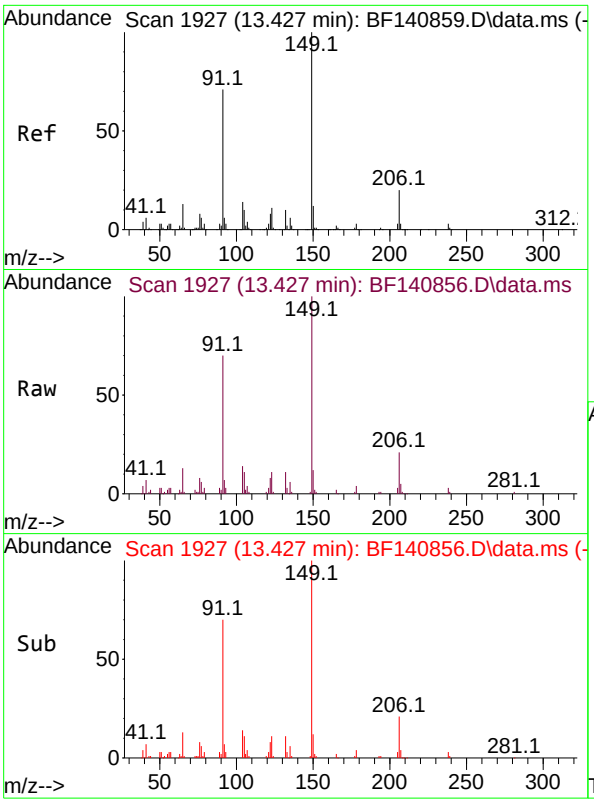




#79
Terphenyl-d14
Concen: 10.673 ng
RT: 12.951 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:244 Resp: 204731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 9.9 | 8.2 | 12.2 |



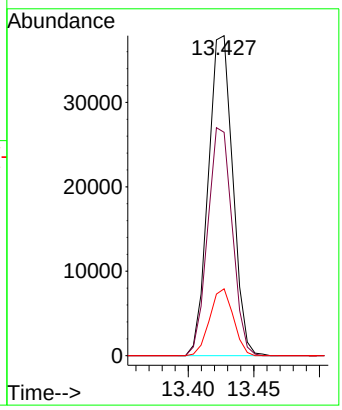


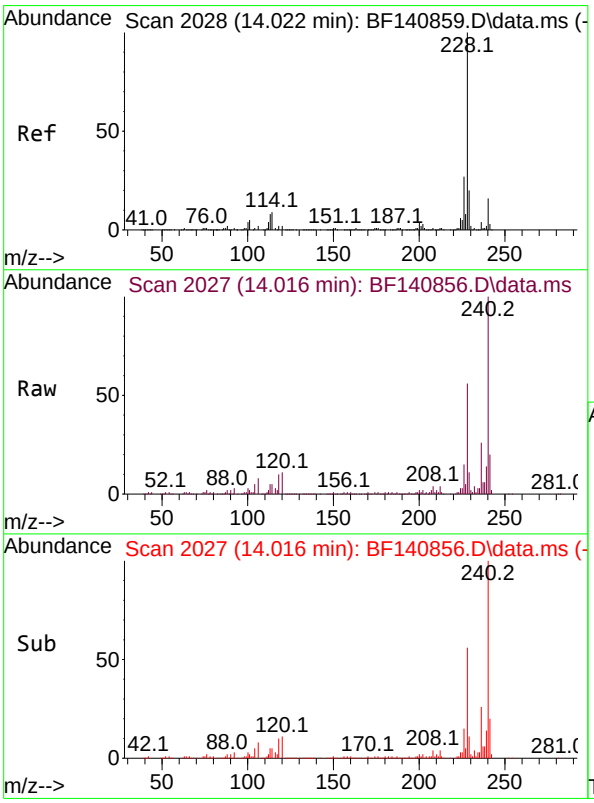

#80
Butylbenzylphthalate
Concen: 4.965 ng
RT: 13.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:149 Resp: 49136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.8 | 56.7 | 85.1 |
| 206 | 20.9 | 16.4 | 24.6 |

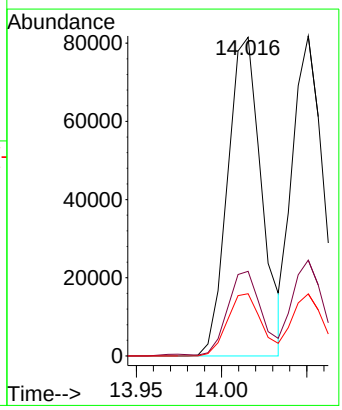


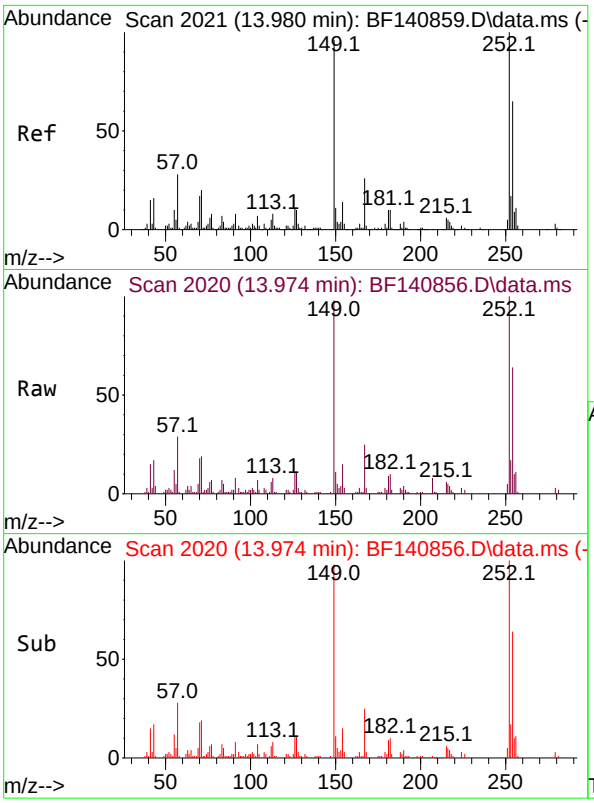




#81
Benzo(a)anthracene
Concen: 5.270 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:228 Resp: 112964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.8 | 32.8 |
| 229 | 19.5 | 15.8 | 23.8 |



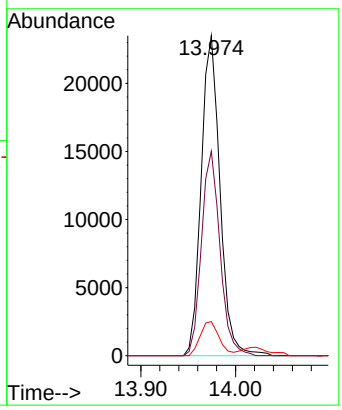


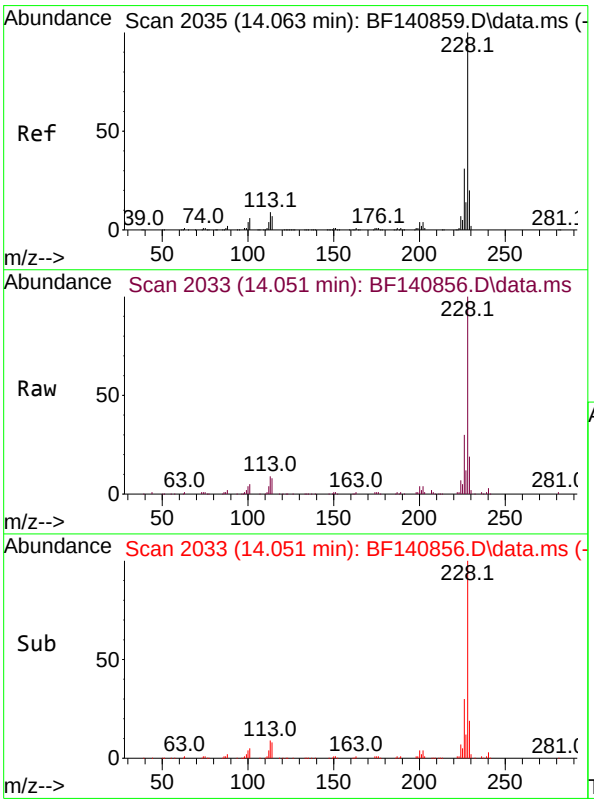

#82
3,3'-Dichlorobenzidine
Concen: 5.010 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:252 Resp: 32405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 52.3 | 78.5 |
| 126 | 10.7 | 8.4 | 12.6 |

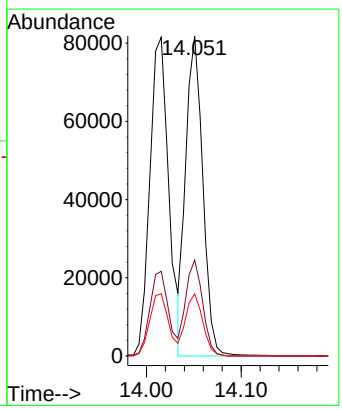


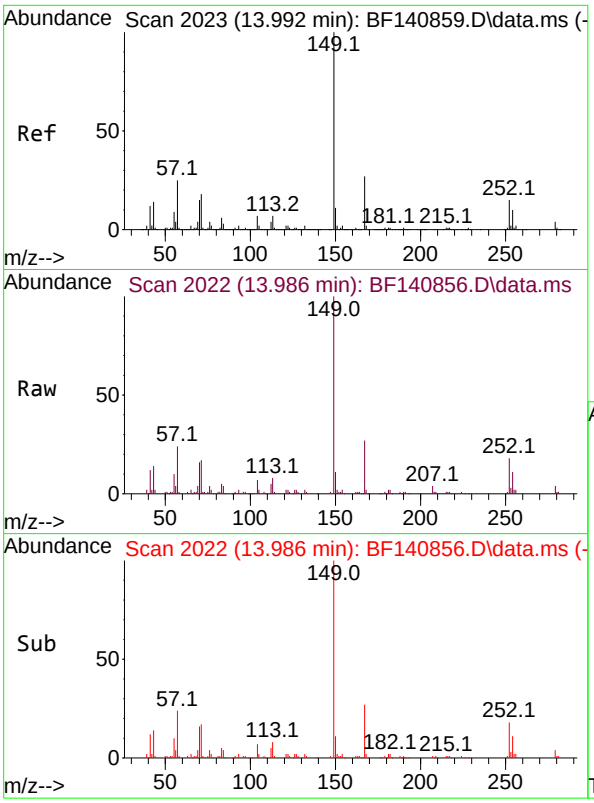




#83
Chrysene
Concen: 5.280 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:228 Resp: 102933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.1 | 36.1 |
| 229 | 19.4 | 16.0 | 24.0 |



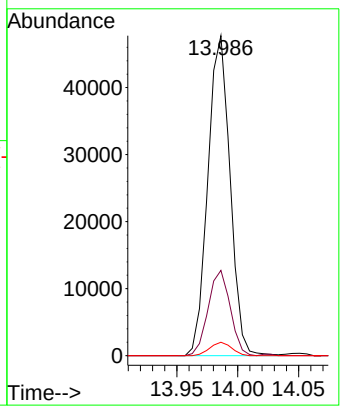


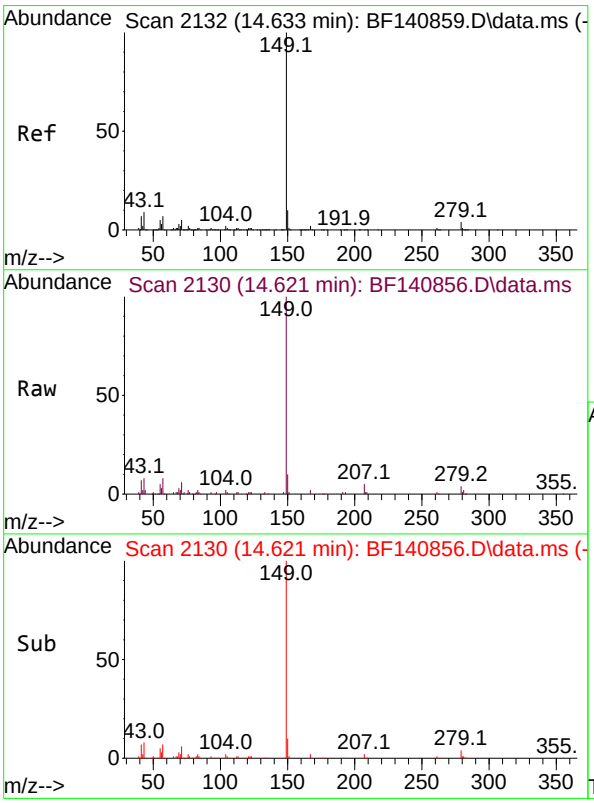

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.764 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:149 Resp: 60799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.8 | 32.8 |
| 279 | 4.2 | 3.5 | 5.3 |

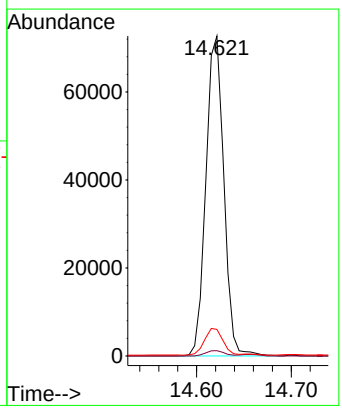


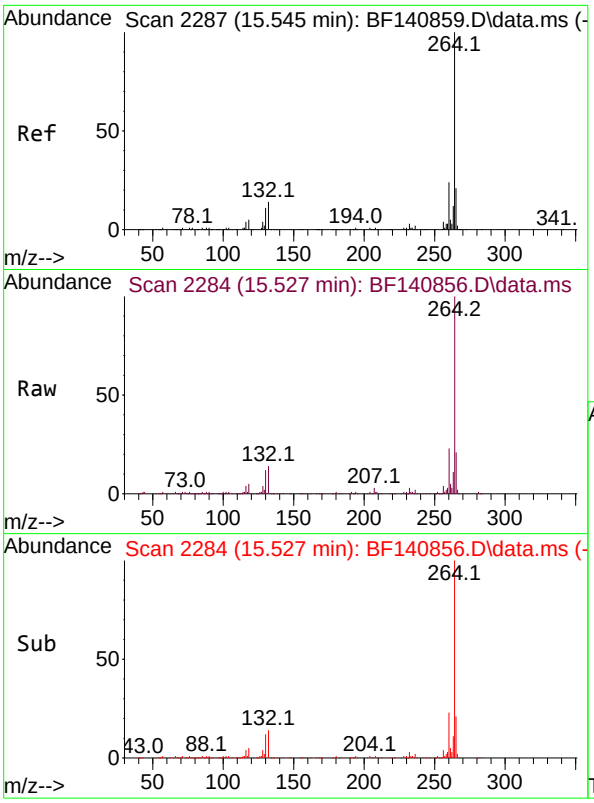




#85
Di-n-octyl phthalate
Concen: 4.964 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:149 Resp: 95835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 8.9 | 7.0 | 10.6 |



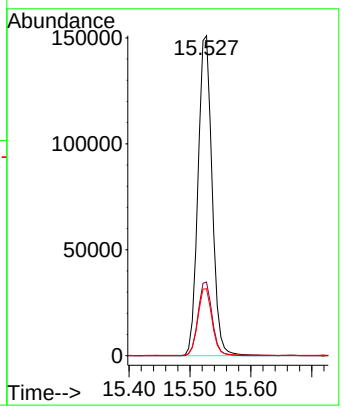


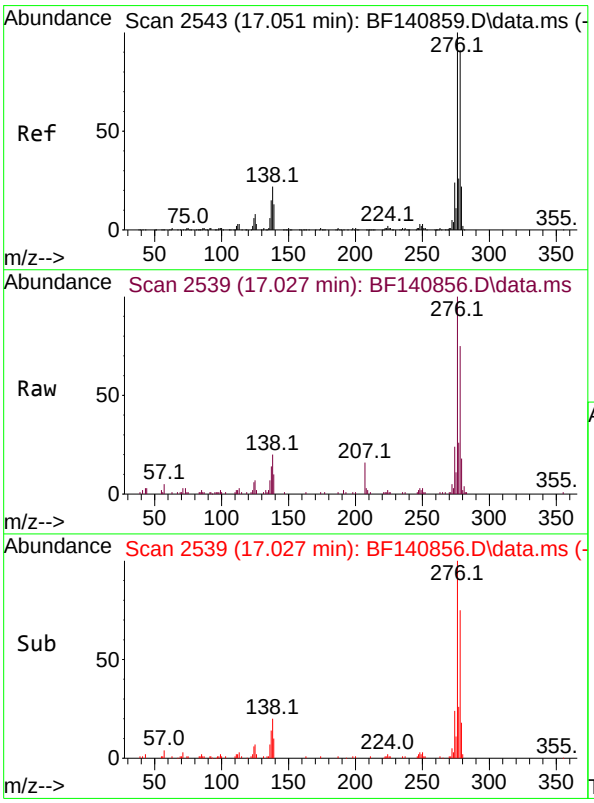

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:264 Resp: 241868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 19.1 | 28.7 |
| 265 | 20.9 | 17.0 | 25.4 |

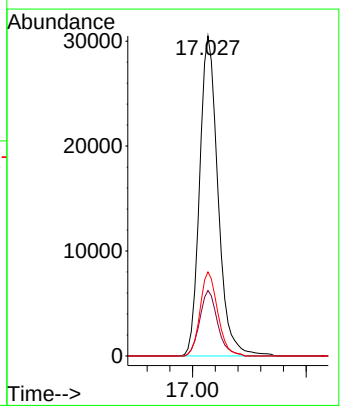


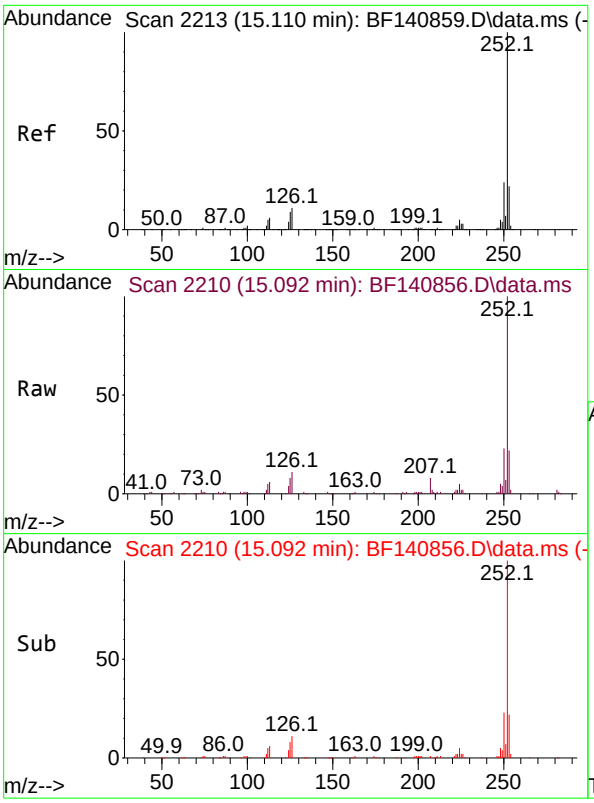




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.526 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.024 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:276 Resp: 68314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.9 | 16.9 | 25.3 |
| 277 | 25.2 | 20.2 | 30.4 |



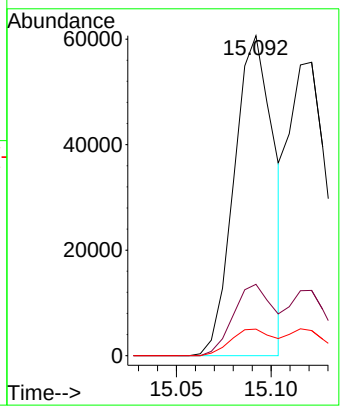


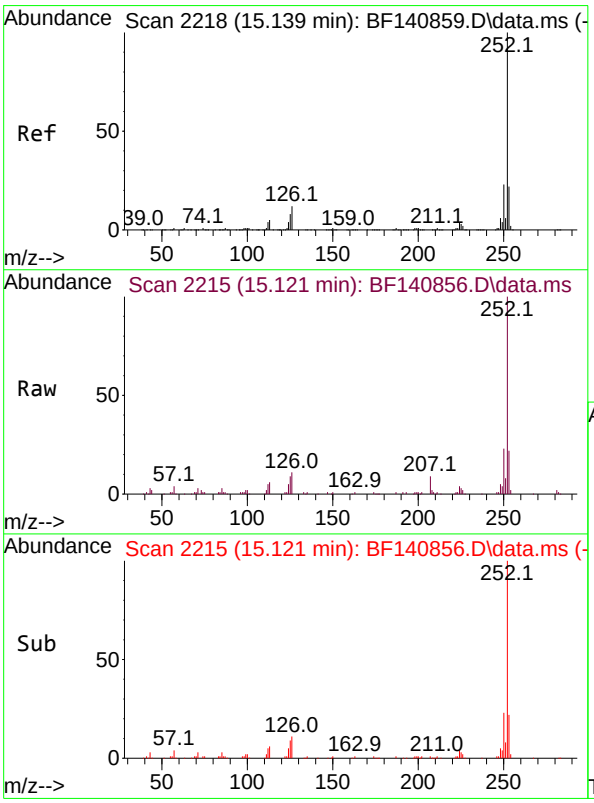

#88
Benzo(b)fluoranthene
Concen: 5.238 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:252 Resp: 87940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.6 |
| 125 | 8.3 | 7.0 | 10.4 |

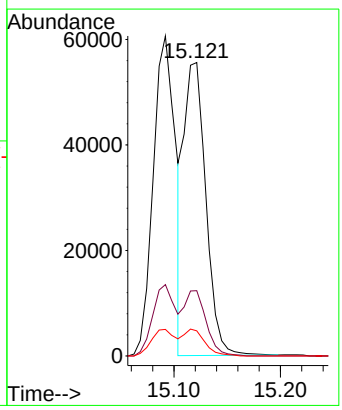


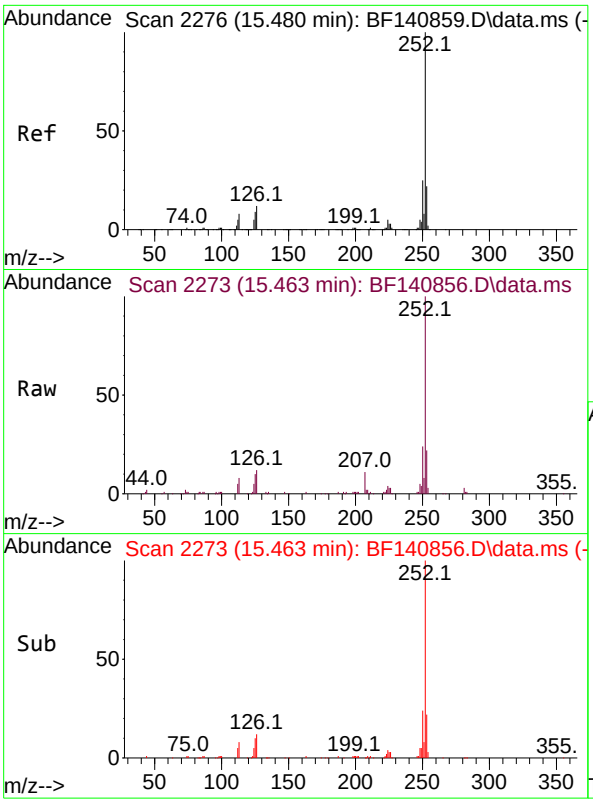




#89
Benzo(k)fluoranthene
Concen: 5.534 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:252 Resp: 79696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 8.6 | 6.8 | 10.2 |



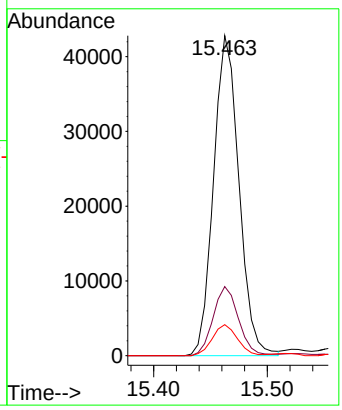


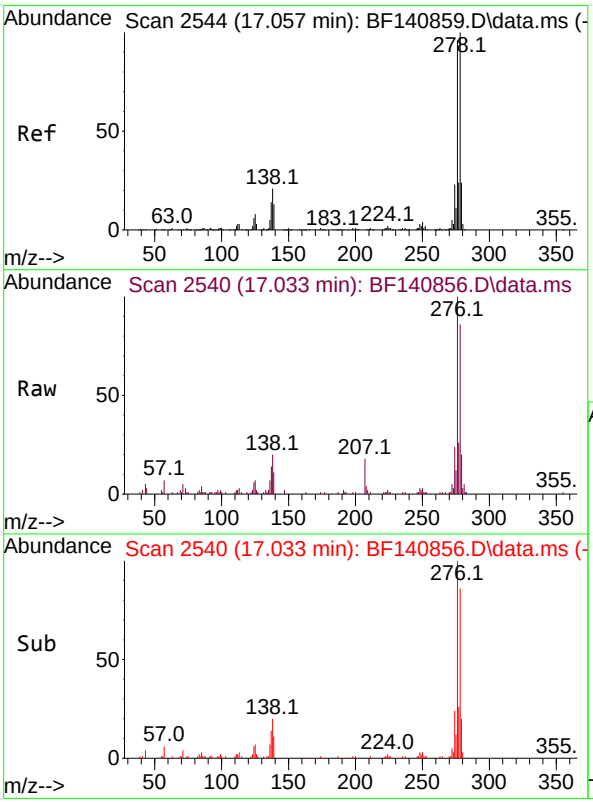

#90
Benzo(a)pyrene
Concen: 5.057 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:252 Resp: 66476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 9.7 | 7.5 | 11.3 |

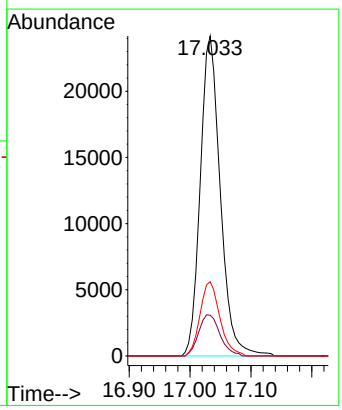


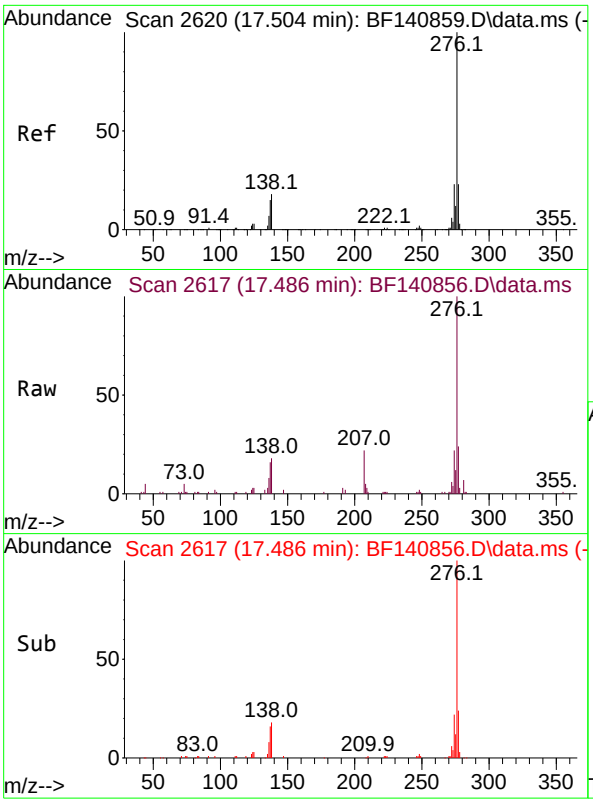




#91
Dibenzo(a,h)anthracene
Concen: 4.416 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.024 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:278 Resp: 55222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.8 | 10.6 | 16.0 |
| 279 | 23.2 | 19.2 | 28.8 |



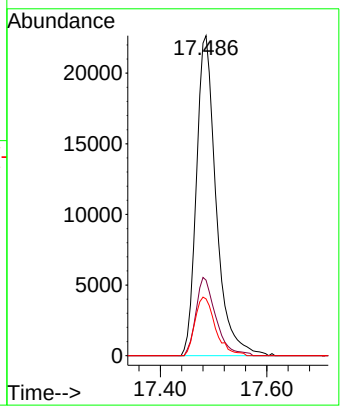



#92
Benzo(g,h,i)perylene
Concen: 4.567 ng
RT: 17.486 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

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

Tgt Ion:276 Resp: 58125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.7 | 28.1 |
| 138 | 17.7 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 76578 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 298630 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 192062 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 358020 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 282501 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 236486 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 94639 | 20.344 | ng | | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 127200 | 20.645 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.410 | 82 | 119665 | 20.048 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.674 | 330 | 45327 | 19.954 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 270749 | 19.381 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 352398 | 19.670 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 20526 | 10.244 | ng | | 95 |
| 3) Pyridine | 3.428 | 79 | 45270 | 9.756 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.351 | 42 | 22689 | 9.699 | ng | | 99 |
| 6) Aniline | 6.516 | 93 | 55946 | 10.620 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.639 | 128 | 52812 | 10.411 | ng | | 97 |
| 9) Benzaldehyde | 6.404 | 77 | 40257 | 11.792 | ng | | 97 |
| 10) Phenol | 6.510 | 94 | 64718 | 10.135 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 47546 | 9.984 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 58952 | 10.199 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 61319 | 10.451 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 57259 | 10.343 | ng | | 97 |
| 15) Benzyl Alcohol | 6.998 | 79 | 43771 | 9.936 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 57243 | 10.204 | ng | | 94 |
| 17) 2-Methylphenol | 7.110 | 107 | 42307 | 10.446 | ng | | 97 |
| 18) Hexachloroethane | 7.351 | 117 | 22224 | 10.174 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 38459 | 10.406 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 57077 | 10.628 | ng | # | 84 |
| 22) Acetophenone | 7.257 | 105 | 75049 | 10.046 | ng | | 96 |
| 24) Nitrobenzene | 7.428 | 77 | 61294 | 10.024 | ng | | 100 |
| 25) Isophorone | 7.669 | 82 | 100405 | 10.039 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 27623 | 9.808 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.786 | 122 | 32852 | 9.988 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 61752 | 9.886 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 46274 | 10.191 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 52790 | 10.141 | ng | | 99 |
| 31) Naphthalene | 8.145 | 128 | 168002 | 10.241 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 25770 | 8.261 | ng | | 98 |
| 33) 4-Chloroaniline | 8.204 | 127 | 55948 | 10.269 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 35099 | 10.022 | ng | | 97 |
| 35) Caprolactam | 8.557 | 113 | 13417 | 9.925 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.692 | 107 | 51876 | 10.150 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 109525 | 10.093 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 110917 | 10.335 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 55018 | 9.320 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.986 | 237 | 8781 | 8.866 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.127 | 196 | 32555 | 9.006 | ng | | 97 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

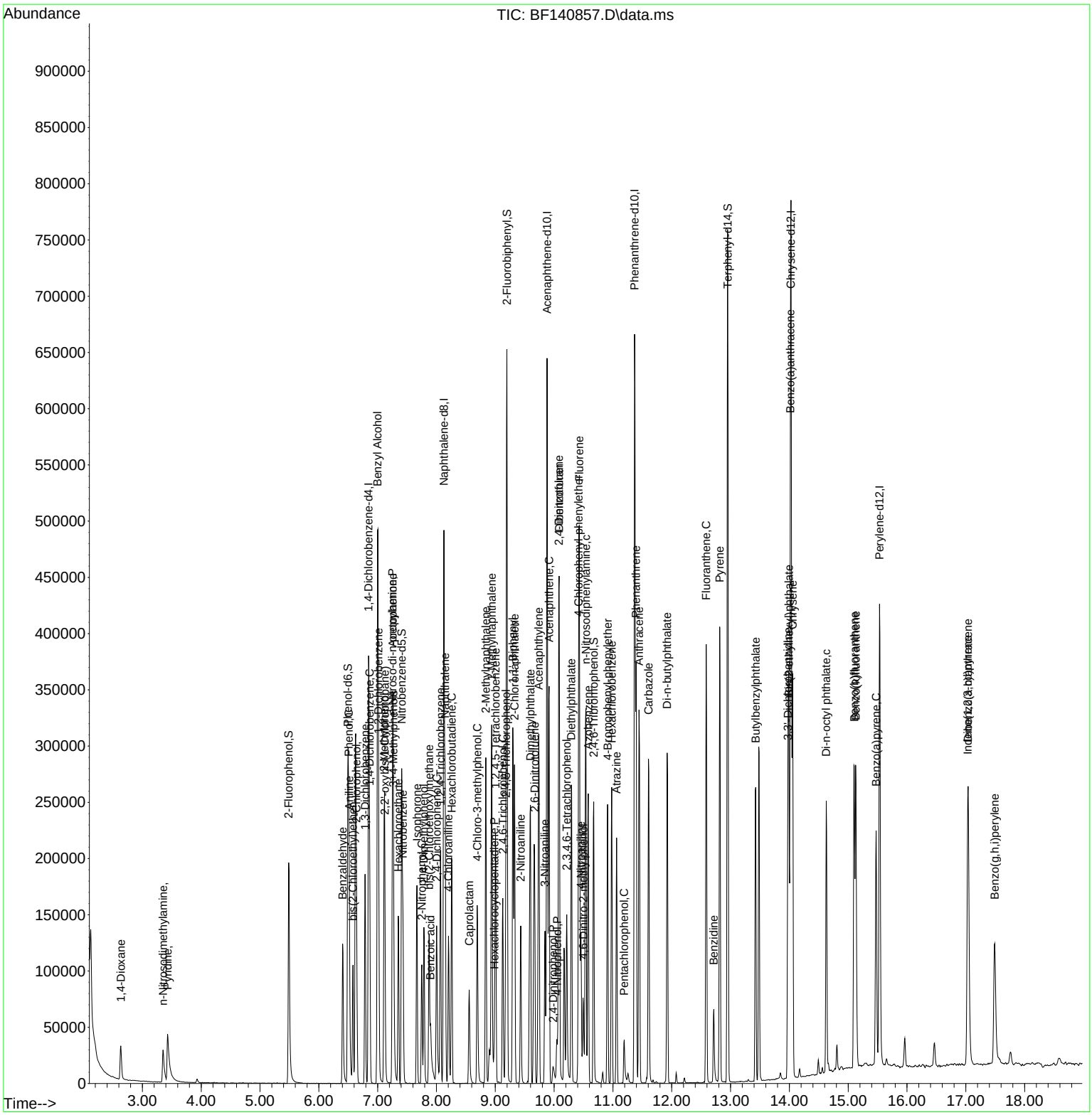
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 35030 | 8.817 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 145227 | 9.509 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.327 | 162 | 111077 | 9.507 | ng | 99 |
| 48) 2-Nitroaniline | 9.433 | 65 | 33225 | 9.416 | ng | 98 |
| 49) Acenaphthylene | 9.739 | 152 | 174905 | 10.187 | ng | 98 |
| 50) Dimethylphthalate | 9.598 | 163 | 131257 | 9.693 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 30431 | 9.831 | ng | 97 |
| 52) Acenaphthene | 9.916 | 154 | 114273 | 10.419 | ng | 99 |
| 53) 3-Nitroaniline | 9.845 | 138 | 30367 | 9.885 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 8488 | 11.701 | ng | 95 |
| 55) Dibenzofuran | 10.086 | 168 | 180108 | 10.598 | ng | 99 |
| 56) 4-Nitrophenol | 10.051 | 139 | 8781m | 9.461 | ng | |
| 57) 2,4-Dinitrotoluene | 10.080 | 165 | 42109 | 10.339 | ng | 99 |
| 58) Fluorene | 10.427 | 166 | 146155 | 10.424 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 29950 | 9.251 | ng | 94 |
| 60) Diethylphthalate | 10.292 | 149 | 142484 | 10.147 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 72010 | 10.224 | ng | 99 |
| 62) 4-Nitroaniline | 10.457 | 138 | 31962 | 9.956 | ng | 98 |
| 63) Azobenzene | 10.580 | 77 | 135524 | 10.267 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 17756 | 8.752 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 121500 | 11.038 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 44385 | 11.082 | ng | 98 |
| 68) Hexachlorobenzene | 10.980 | 284 | 50135 | 11.040 | ng | 99 |
| 69) Atrazine | 11.063 | 200 | 36472 | 11.864 | ng | 100 |
| 70) Pentachlorophenol | 11.192 | 266 | 11171m | 6.725 | ng | |
| 71) Phenanthrene | 11.392 | 178 | 193504 | 10.510 | ng | 99 |
| 72) Anthracene | 11.445 | 178 | 190407 | 10.502 | ng | 99 |
| 73) Carbazole | 11.604 | 167 | 182199 | 10.259 | ng | 100 |
| 74) Di-n-butylphthalate | 11.921 | 149 | 215903 | 10.359 | ng | 99 |
| 75) Fluoranthene | 12.586 | 202 | 231038 | 10.896 | ng | 100 |
| 77) Benzidine | 12.716 | 184 | 45074 | 7.818 | ng | 99 |
| 78) Pyrene | 12.815 | 202 | 242761 | 9.663 | ng | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 86987 | 9.411 | ng | 98 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 208127 | 10.395 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 60368 | 9.994 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 181387 | 9.963 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 113963 | 9.562 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 165198 | 9.161 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 138792 | 9.405 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 173313 | 10.558 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 147840 | 10.499 | ng | 99 |
| 90) Benzo(a)pyrene | 15.474 | 252 | 128194 | 9.973 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 116533 | 9.532 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 114976 | 9.240 | ng | 99 |

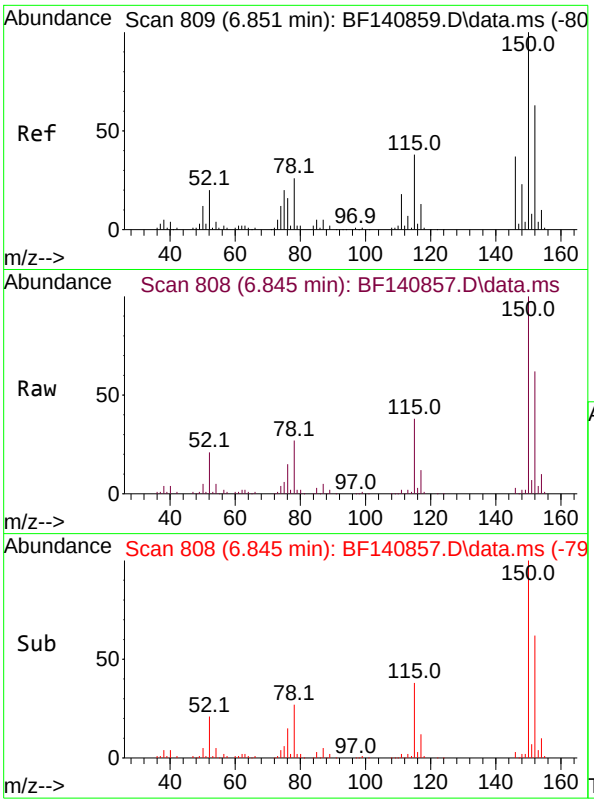
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



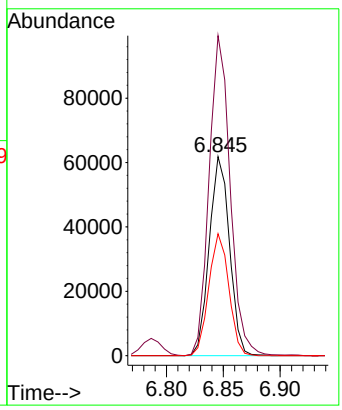


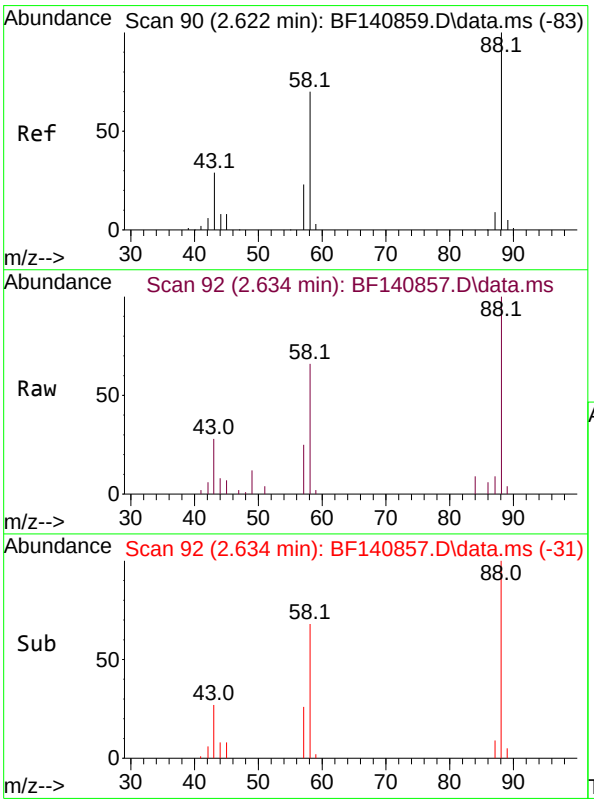

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:152 Resp: 76578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.8 | 127.9 | 191.9 |
| 115 | 61.3 | 48.0 | 72.0 |

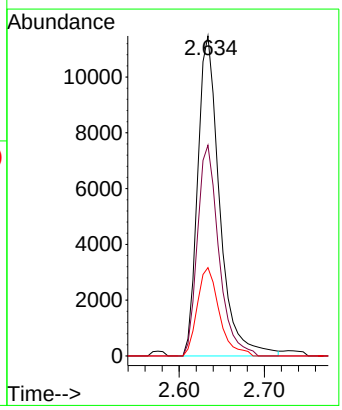


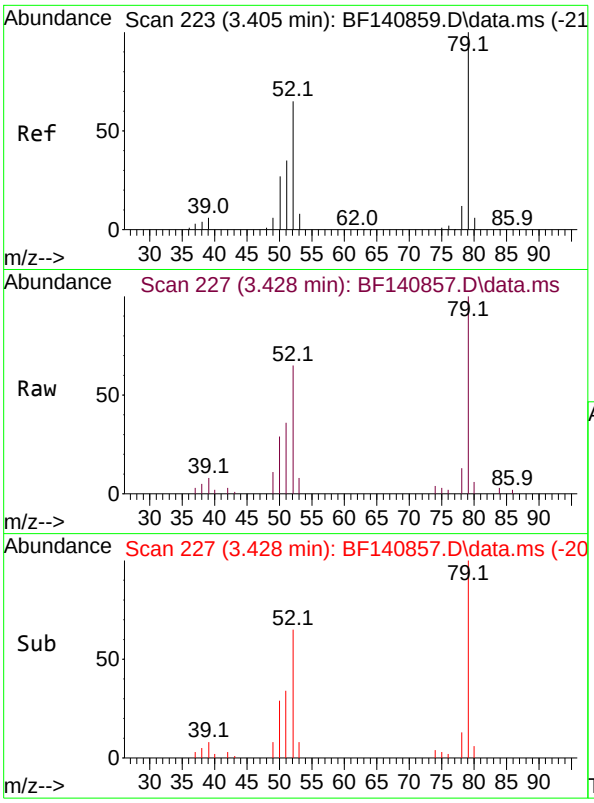




#2
1,4-Dioxane
Concen: 10.244 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 88 Resp: 20526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.0 | 55.8 | 83.8 |
| 43 | 27.6 | 22.7 | 34.1 |



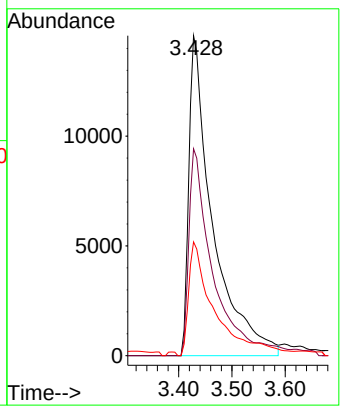


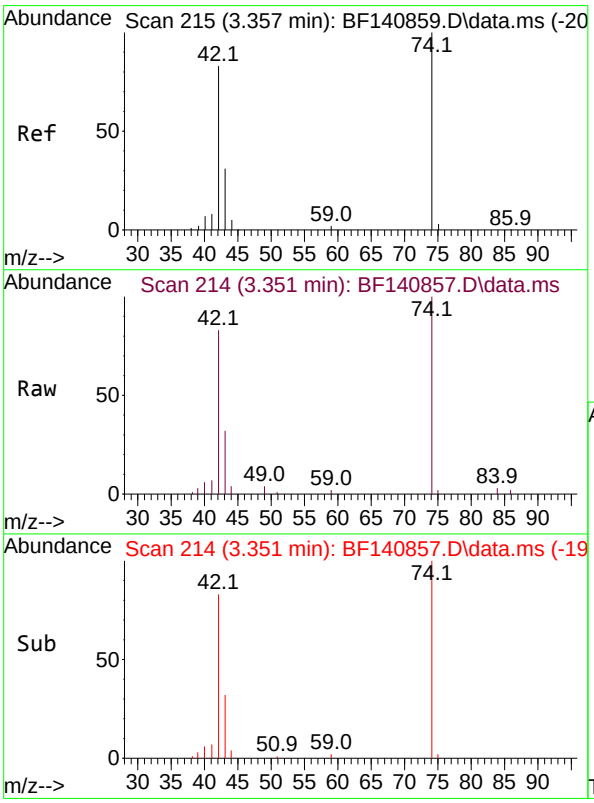

#3
Pyridine
Concen: 9.756 ng
RT: 3.428 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 79 Resp: 45270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.7 | 51.7 | 77.5 |
| 51 | 35.6 | 28.2 | 42.4 |

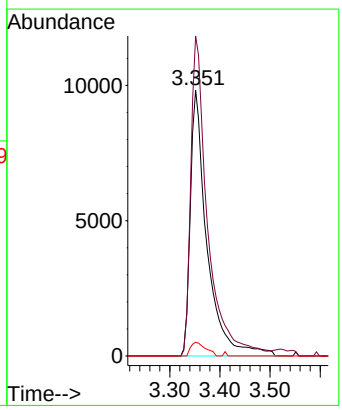


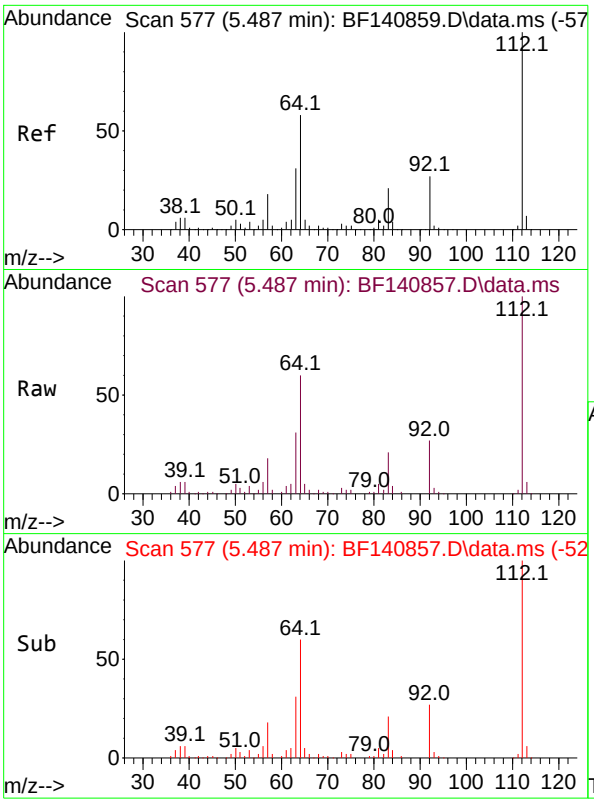




#4
n-Nitrosodimethylamine
Concen: 9.699 ng
RT: 3.351 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 42 Resp: 22689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 120.4 | 96.9 | 145.3 |
| 44 | 5.2 | 4.4 | 6.6 |



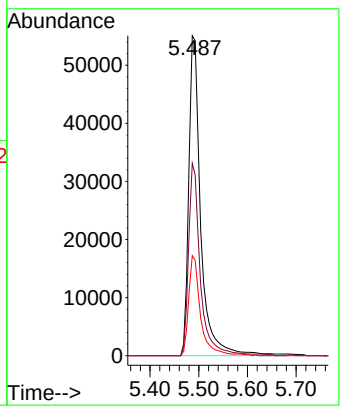


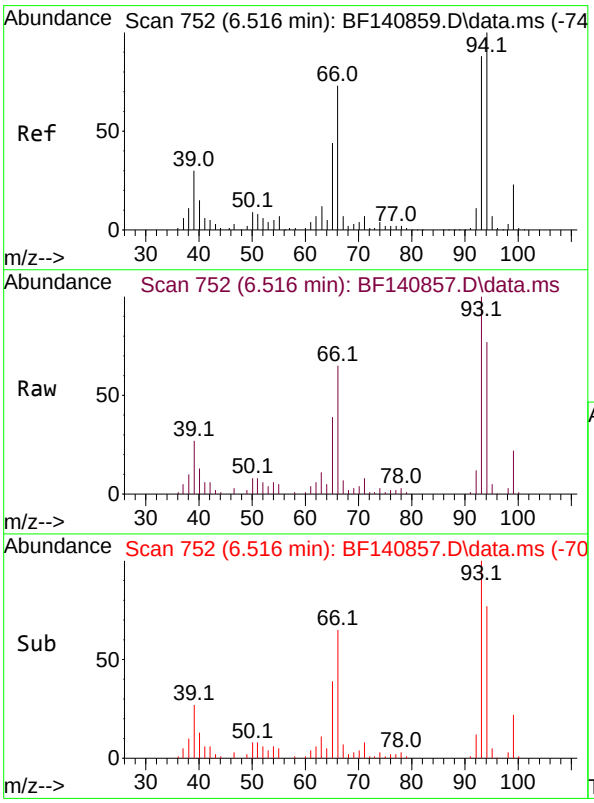

#5
2-Fluorophenol
Concen: 20.344 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:112 Resp: 94639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 46.1 | 69.1 |
| 63 | 31.3 | 24.9 | 37.3 |

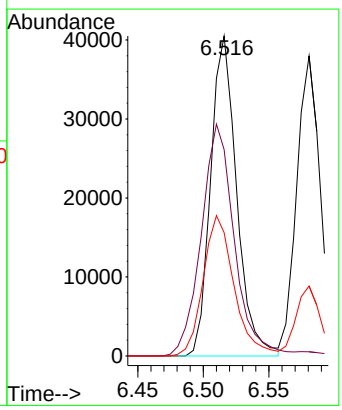


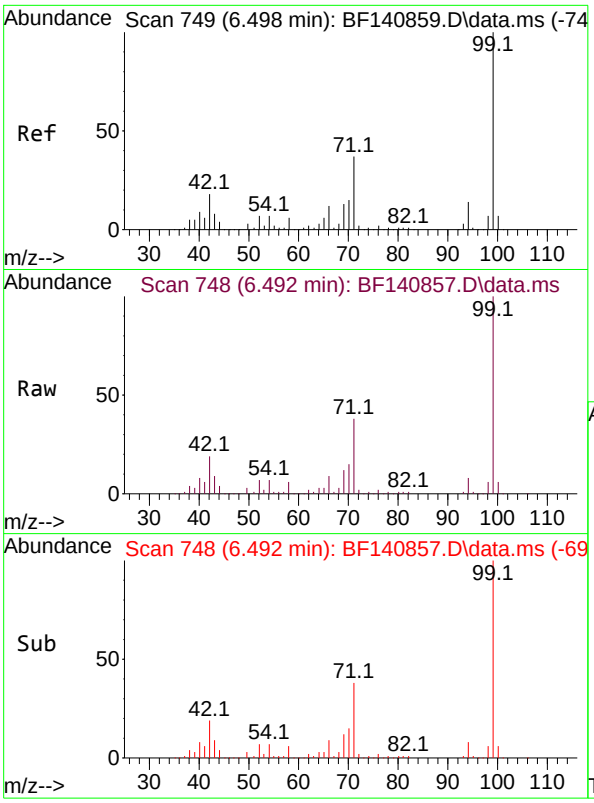




#6
Aniline
Concen: 10.620 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 93 Resp: 55946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 64.5 | 67.0 | 100.4# |
| 65 | 38.5 | 40.4 | 60.6# |



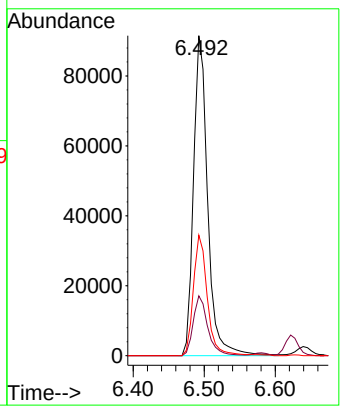


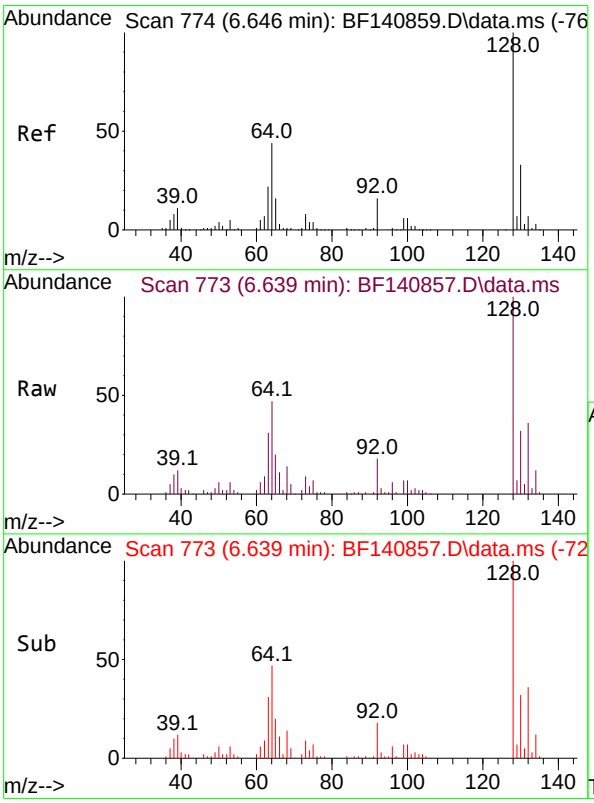

#7
Phenol-d6
Concen: 20.645 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 99 Resp: 127200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 14.3 | 21.5 |
| 71 | 37.6 | 29.9 | 44.9 |

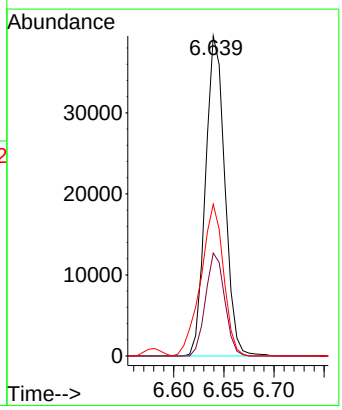


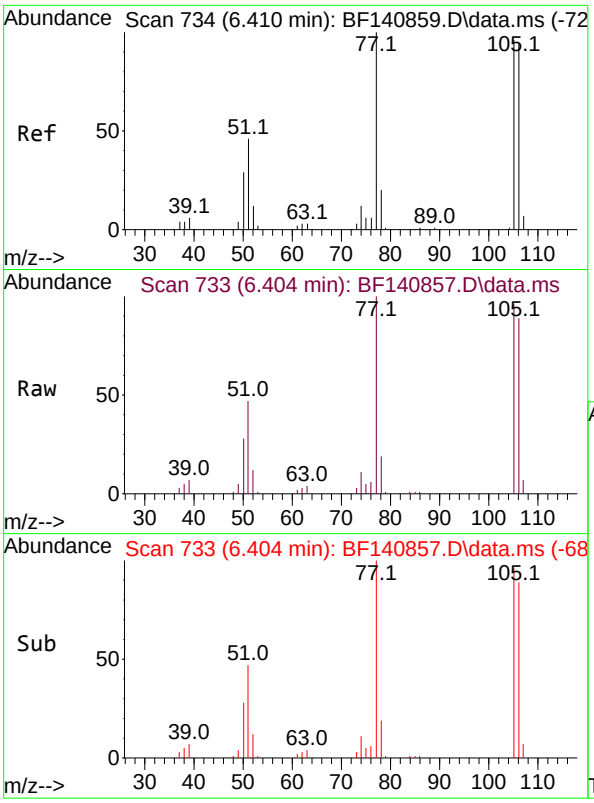




#8
2-Chlorophenol
Concen: 10.411 ng
RT: 6.639 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:128 Resp: 52812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.9 | 52.9 |
| 64 | 47.4 | 24.3 | 64.3 |



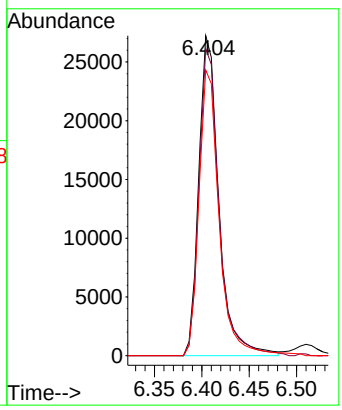


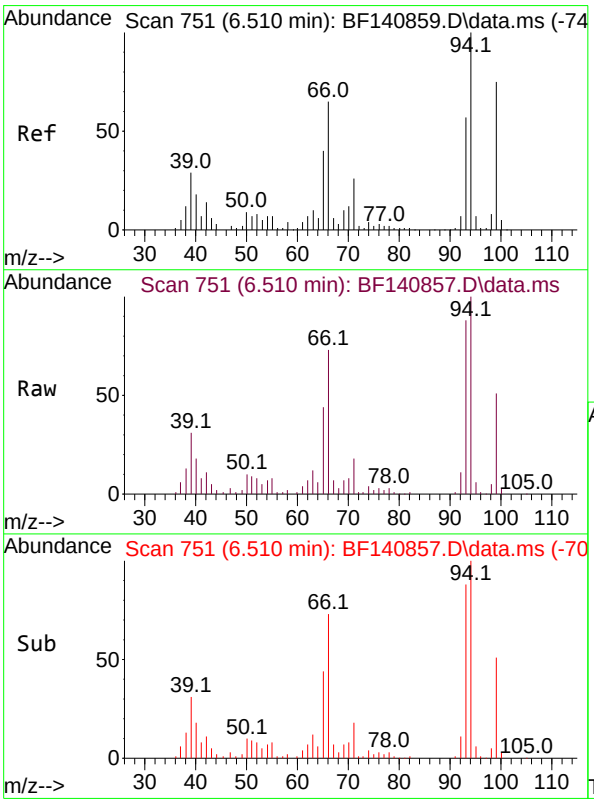

#9
Benzaldehyde
Concen: 11.792 ng
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 77 Resp: 40257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.9 | 75.8 | 115.8 |
| 106 | 89.3 | 74.1 | 114.1 |

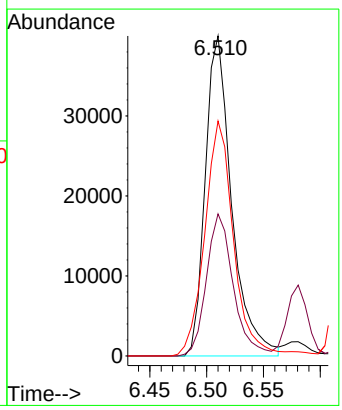


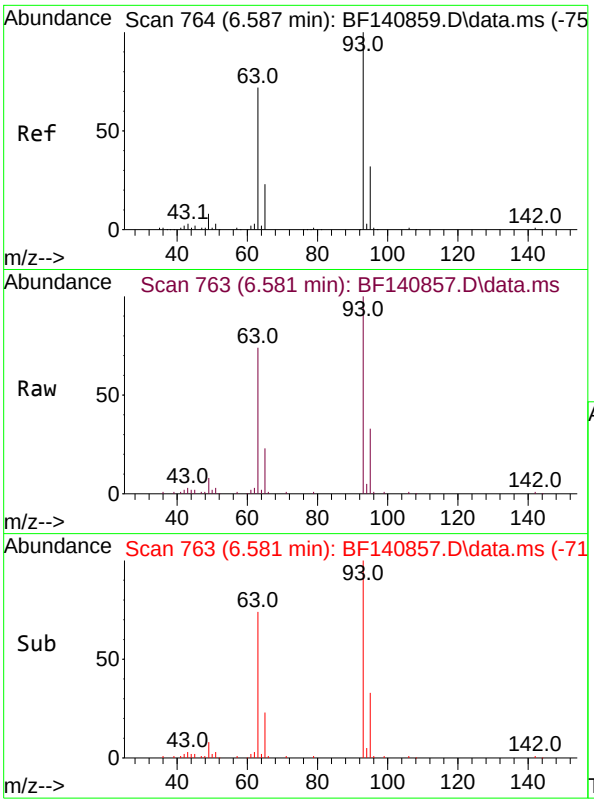




#10
Phenol
Concen: 10.135 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 94 Resp: 64718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 44.4 | 19.9 | 59.9 |
| 66 | 73.4 | 45.6 | 85.6 |



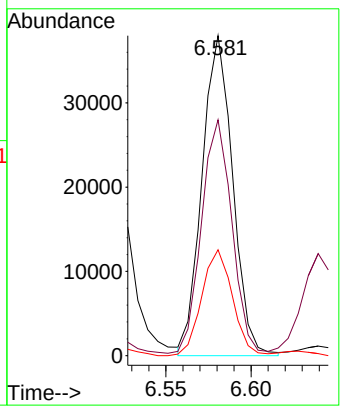


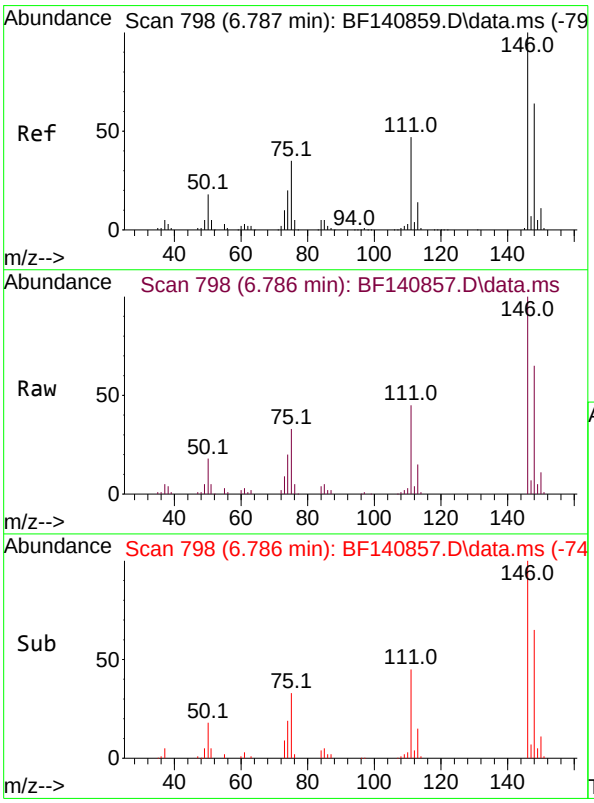

#11
bis(2-Chloroethyl)ether
Concen: 9.984 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 93 Resp: 47546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.7 | 51.0 | 91.0 |
| 95 | 33.1 | 12.0 | 52.0 |

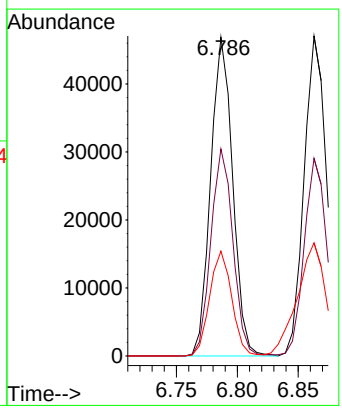


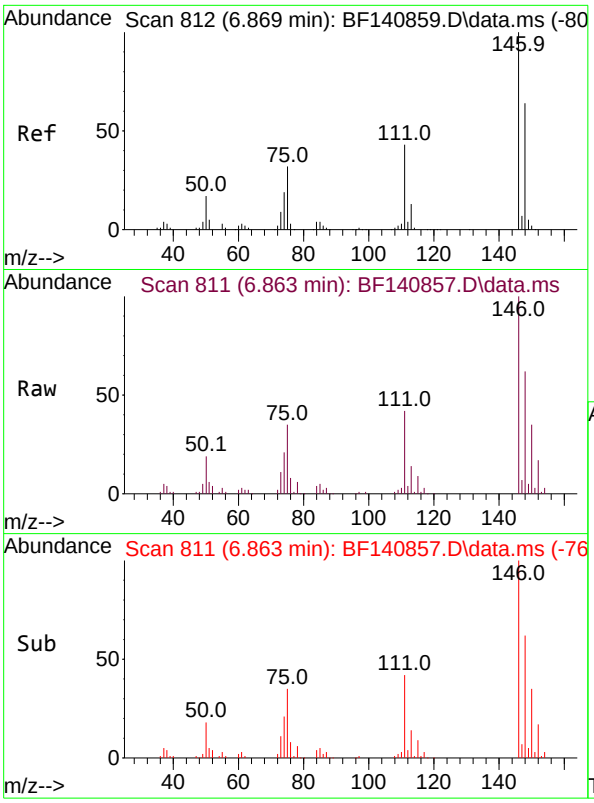




#12
1,3-Dichlorobenzene
Concen: 10.199 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:146 Resp: 58952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.0 | 76.6 |
| 75 | 32.9 | 28.1 | 42.1 |



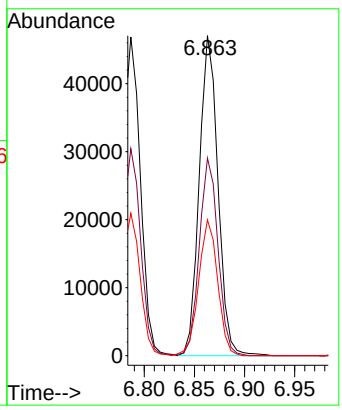


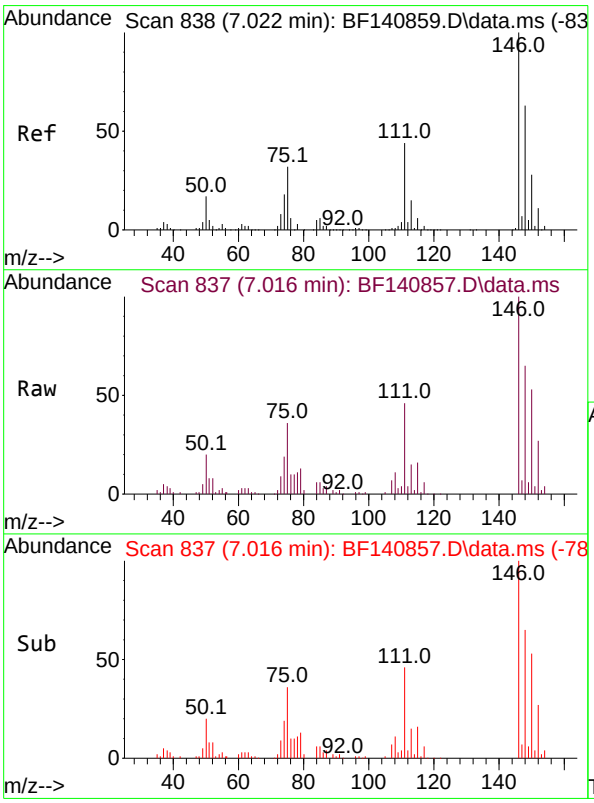

#13
1,4-Dichlorobenzene
Concen: 10.451 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:146 Resp: 61319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.8 | 51.3 | 76.9 |
| 111 | 42.5 | 34.4 | 51.6 |

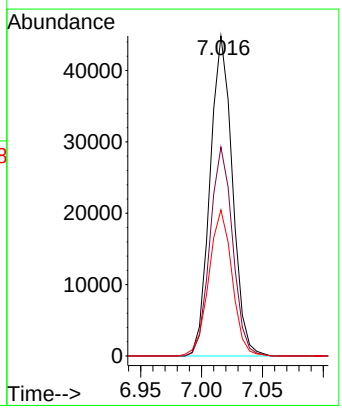


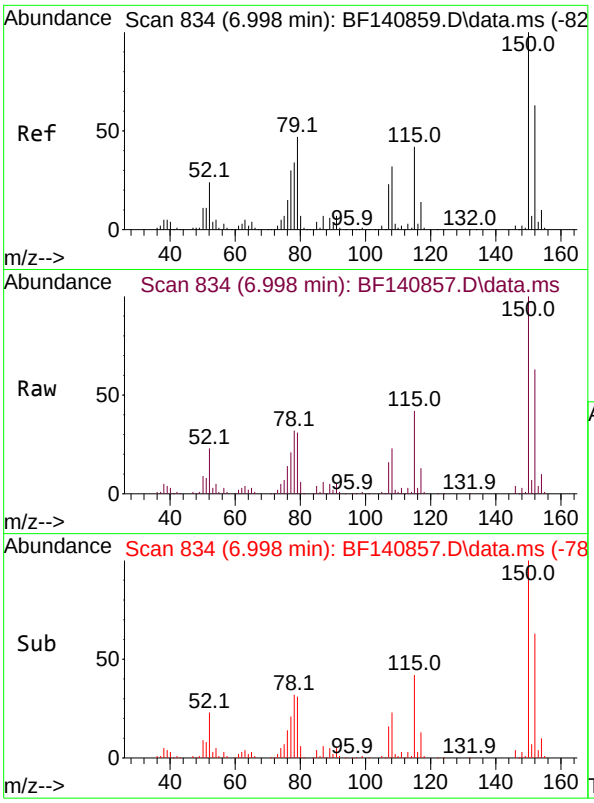




#14
1,2-Dichlorobenzene
Concen: 10.343 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:146 Resp: 57259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 50.0 | 75.0 |
| 111 | 45.6 | 35.6 | 53.4 |



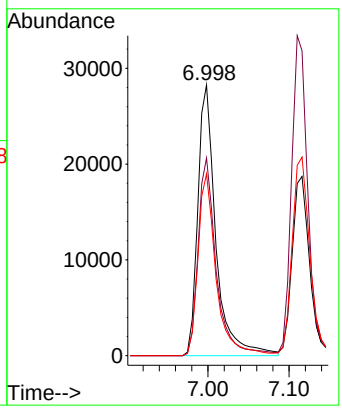


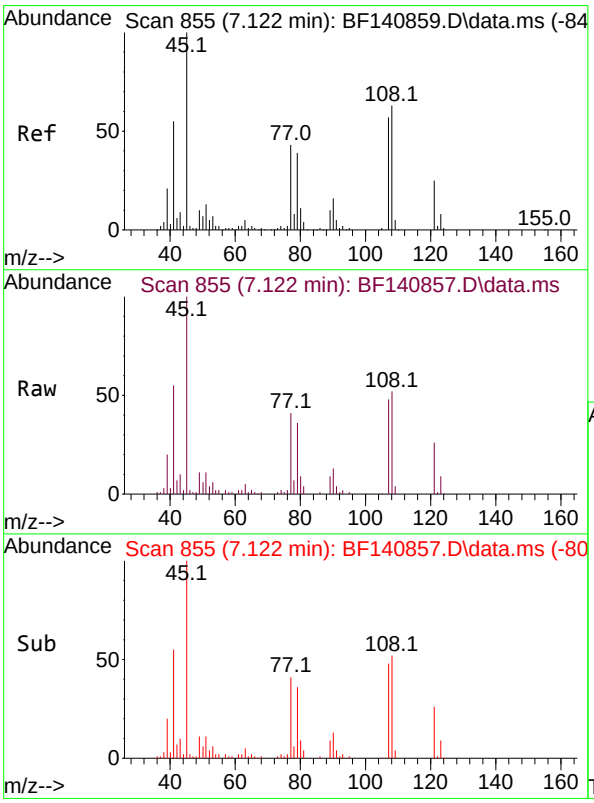

#15
Benzyl Alcohol
Concen: 9.936 ng
RT: 6.998 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 79 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.1 | 55.1 | 82.7 |
| 77 | 67.2 | 50.6 | 76.0 |

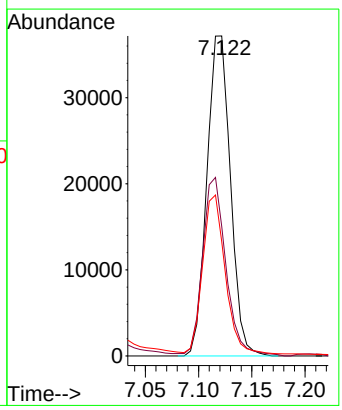


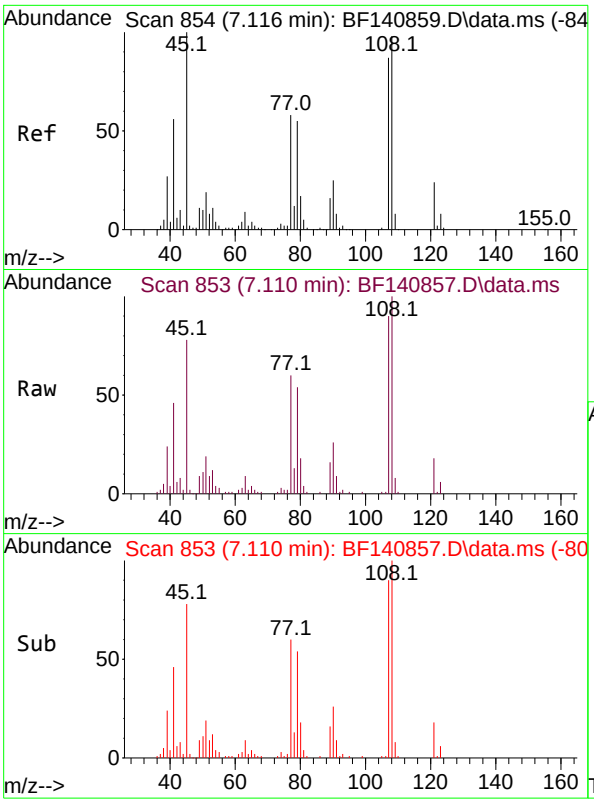




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.204 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 45 Resp: 57243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 40.5 | 23.3 | 63.3 |
| 79 | 35.8 | 20.0 | 60.0 |



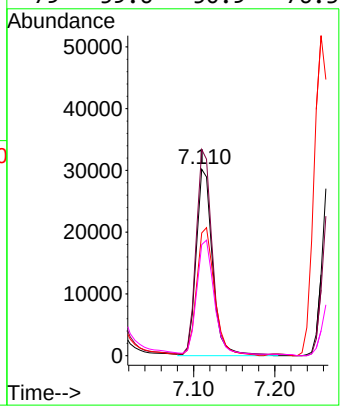


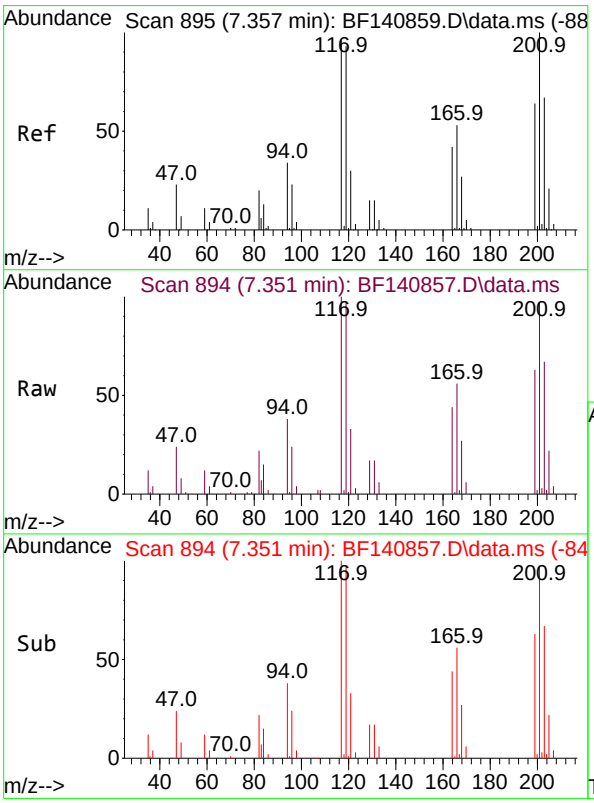

#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.110 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:107 Resp: 42307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.7 | 90.2 | 135.4 |
| 77 | 65.9 | 53.8 | 80.6 |
| 79 | 59.6 | 50.9 | 76.3 |

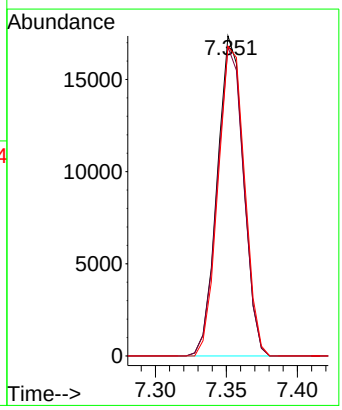


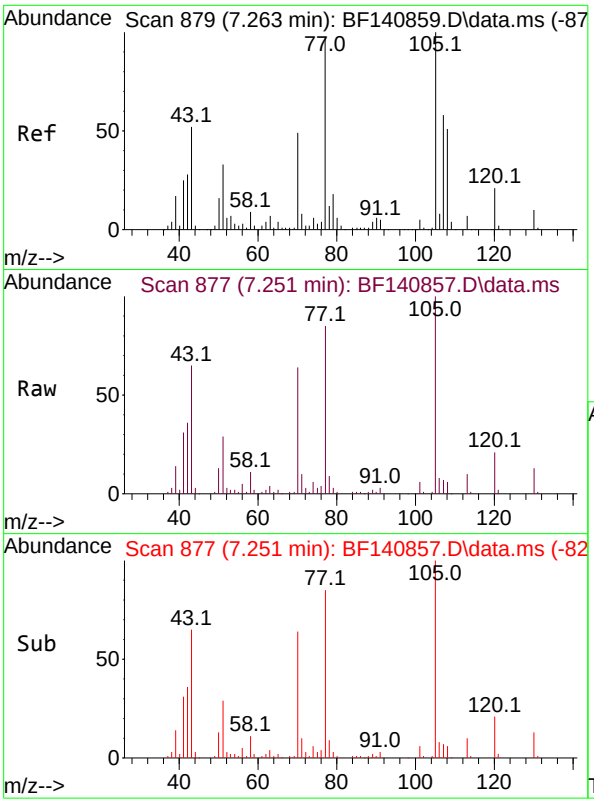




#18
Hexachloroethane
Concen: 10.174 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:117 Resp: 22224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 77.4 | 116.0 |
| 201 | 96.8 | 83.4 | 125.0 |



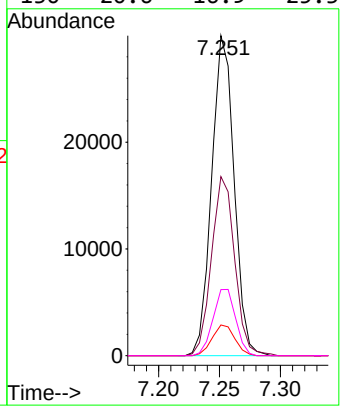


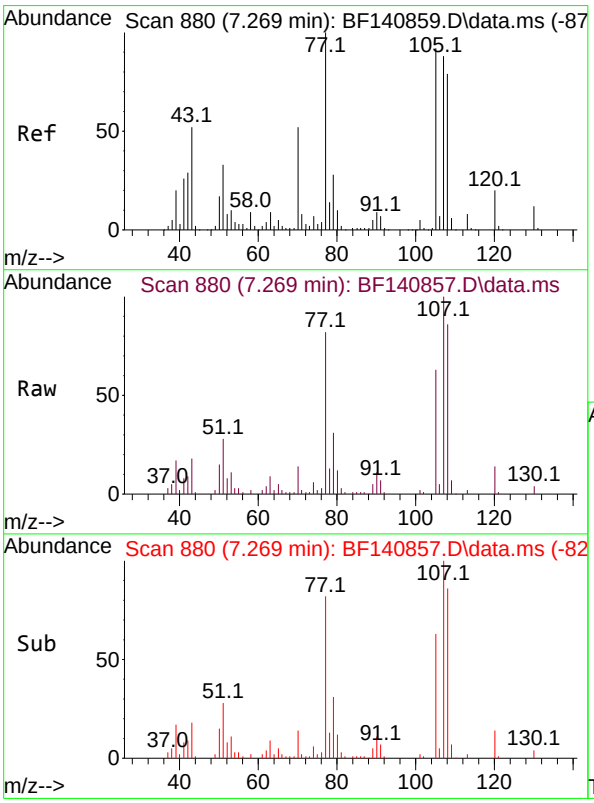

#19
n-Nitroso-di-n-propylamine
Concen: 10.406 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 70 Resp: 38459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.9 | 45.3 | 67.9 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 20.6 | 16.9 | 25.3 |

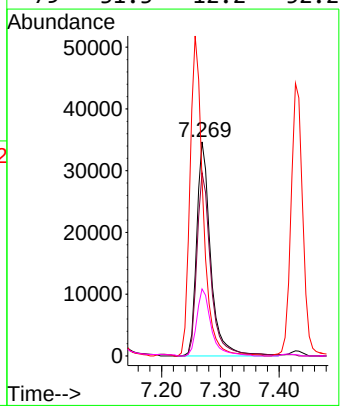


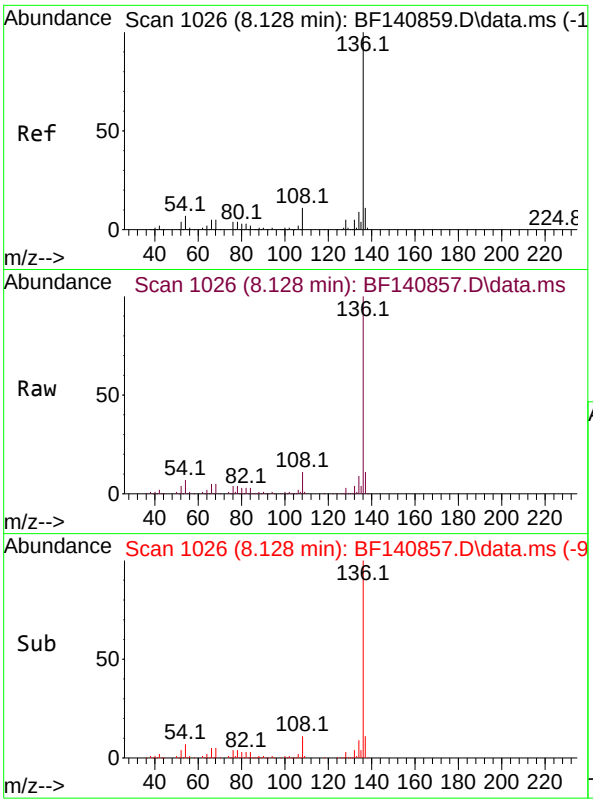




#20
3+4-Methylphenols
Concen: 10.628 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 57077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.6 | 70.1 | 110.1 |
| 77 | 82.3 | 94.4 | 134.4# |
| 79 | 31.3 | 12.2 | 52.2 |



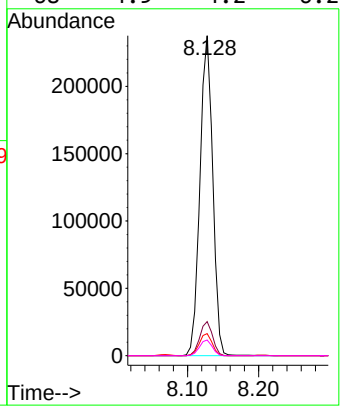


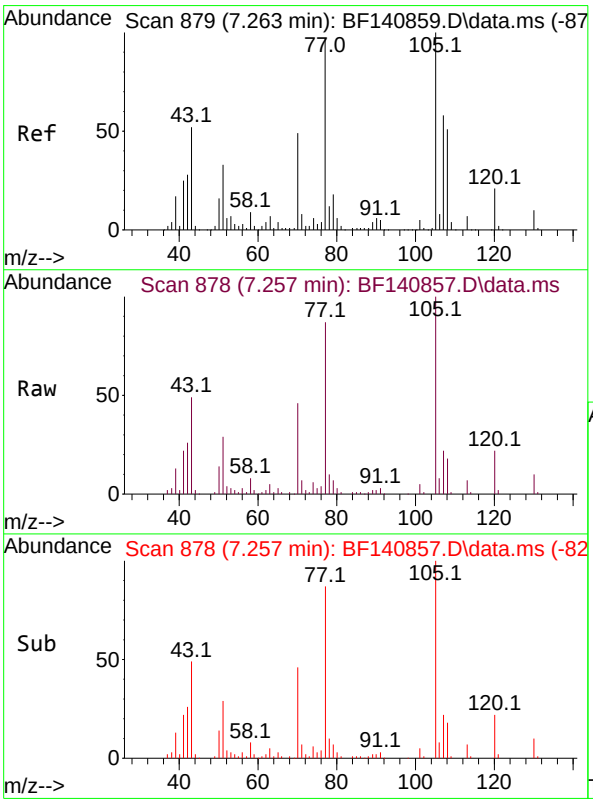

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:136 Resp: 298630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 4.9 | 4.2 | 6.2 |

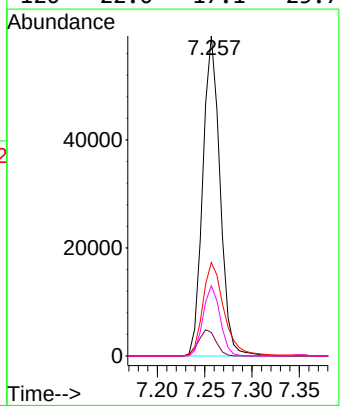


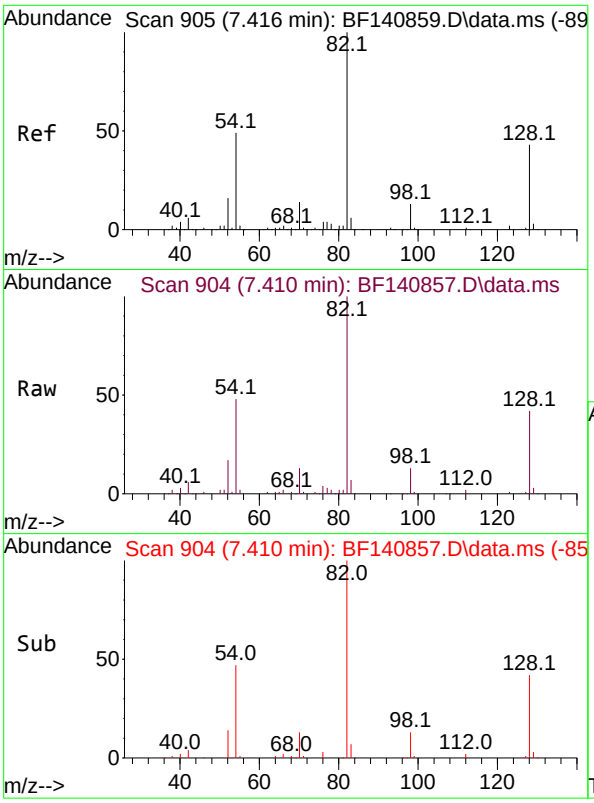




#22
Acetophenone
Concen: 10.046 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:105 Resp: 75049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.3 | 6.2 | 9.4 |
| 51 | 29.2 | 26.3 | 39.5 |
| 120 | 22.0 | 17.1 | 25.7 |



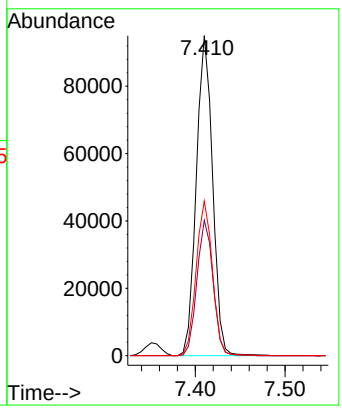


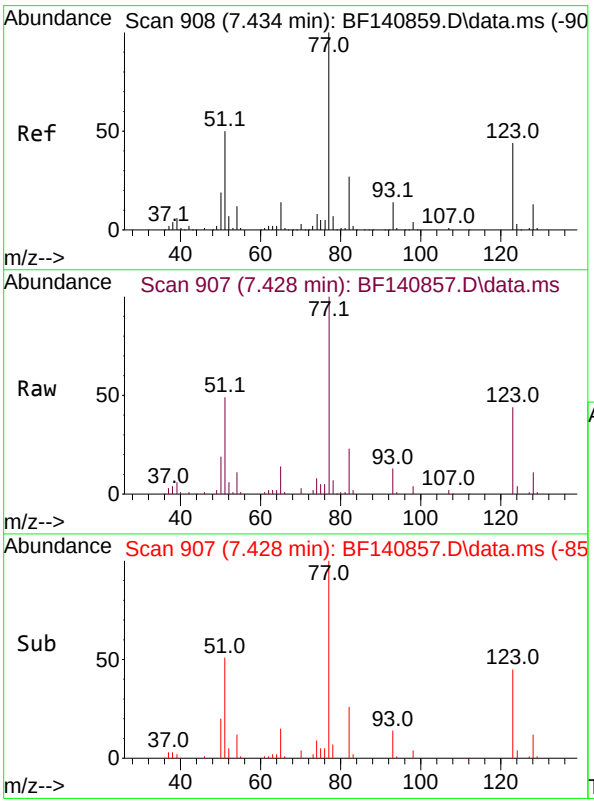

#23
Nitrobenzene-d5
Concen: 20.048 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 82 Resp: 119665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 34.4 | 51.6 |
| 54 | 48.3 | 38.8 | 58.2 |

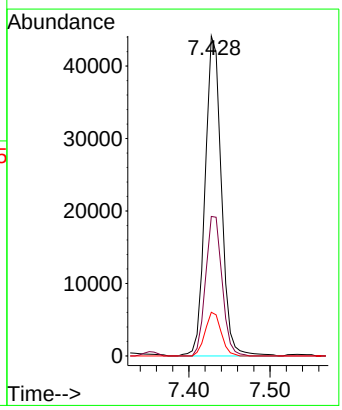


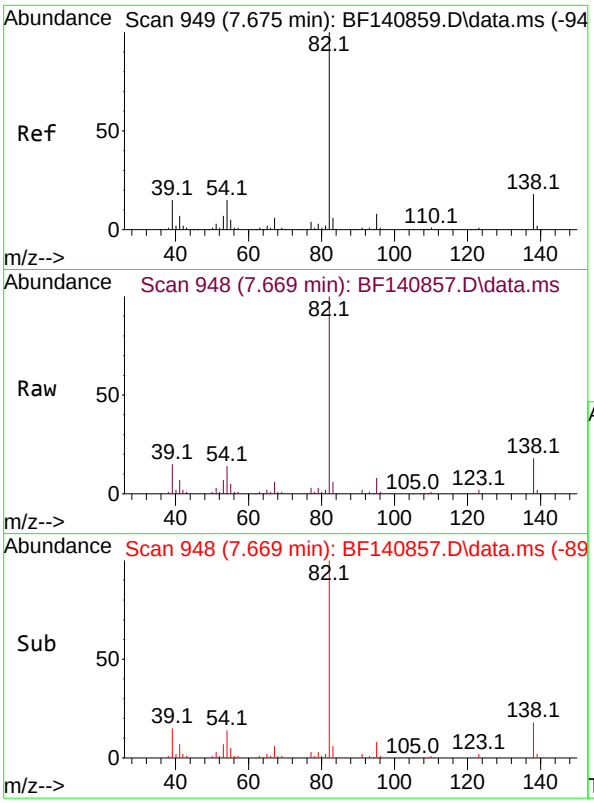




#24
Nitrobenzene
Concen: 10.024 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 77 Resp: 61294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.6 | 35.0 | 52.4 |
| 65 | 13.7 | 11.4 | 17.0 |



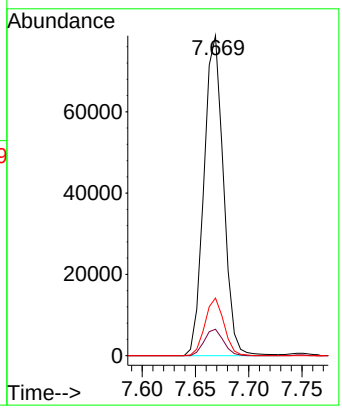


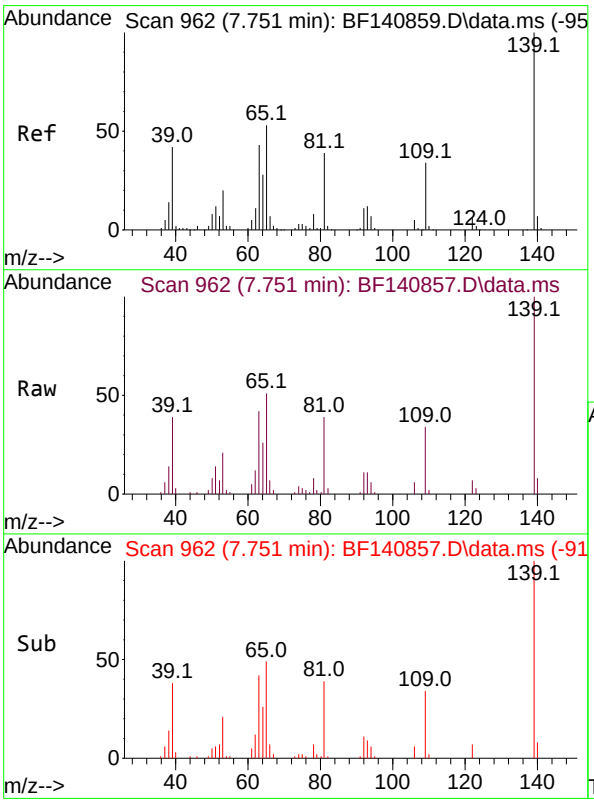

#25
Isophorone
Concen: 10.039 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 82 Resp: 100405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.3 | 9.5 |
| 138 | 18.0 | 14.1 | 21.1 |

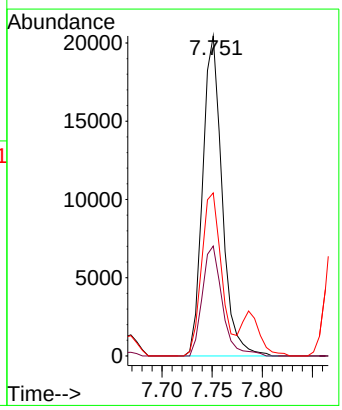


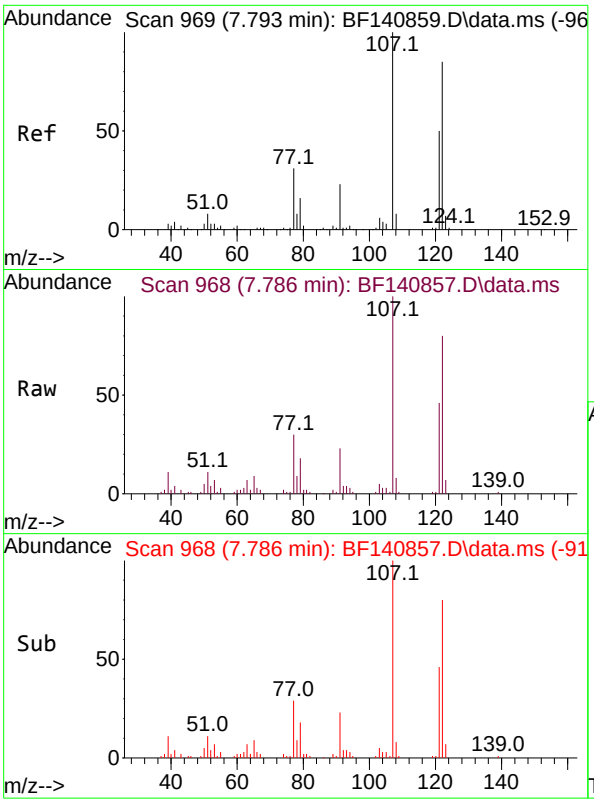




#26
2-Nitrophenol
Concen: 9.808 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:139 Resp: 27623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.3 | 26.9 | 40.3 |
| 65 | 51.0 | 42.6 | 64.0 |



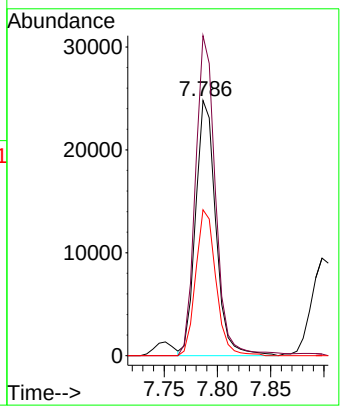


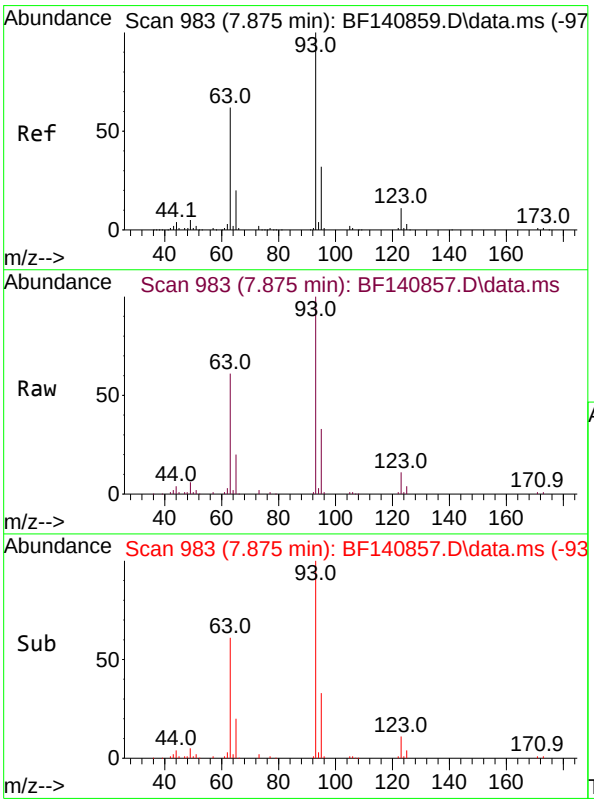

#27
2,4-Dimethylphenol
Concen: 9.988 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:122 Resp: 32852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 125.4 | 92.6 | 139.0 |
| 121 | 57.2 | 45.8 | 68.8 |

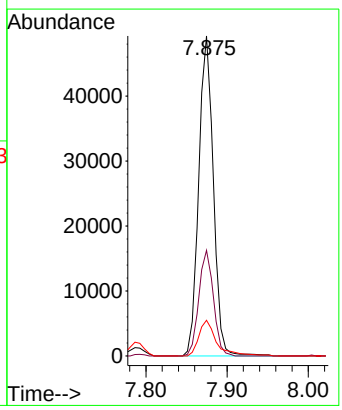


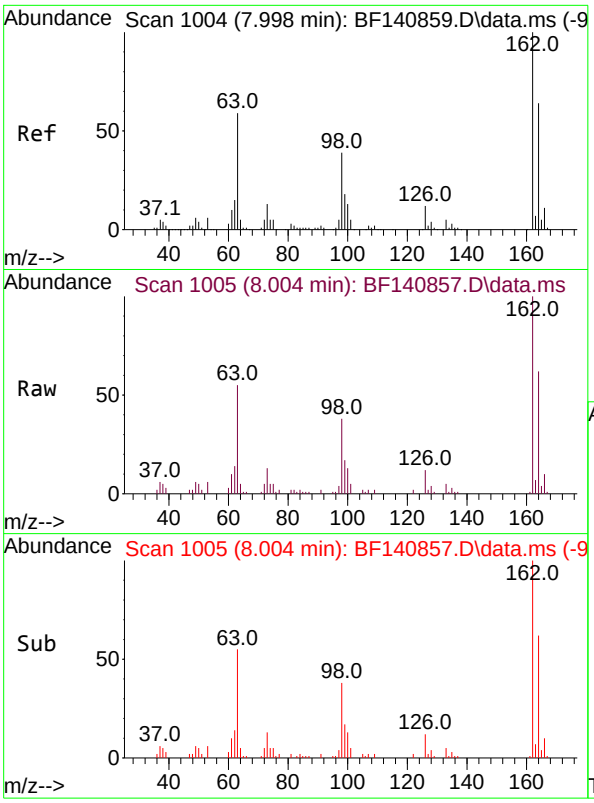




#28
bis(2-Chloroethoxy)methane
Concen: 9.886 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 93 Resp: 61752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 25.3 | 37.9 |
| 123 | 11.2 | 8.6 | 13.0 |



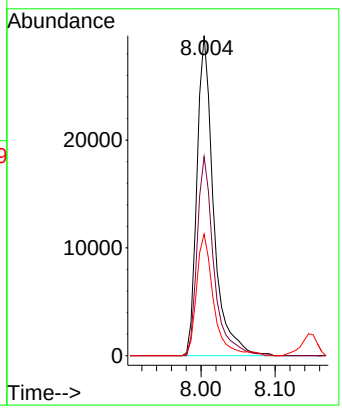


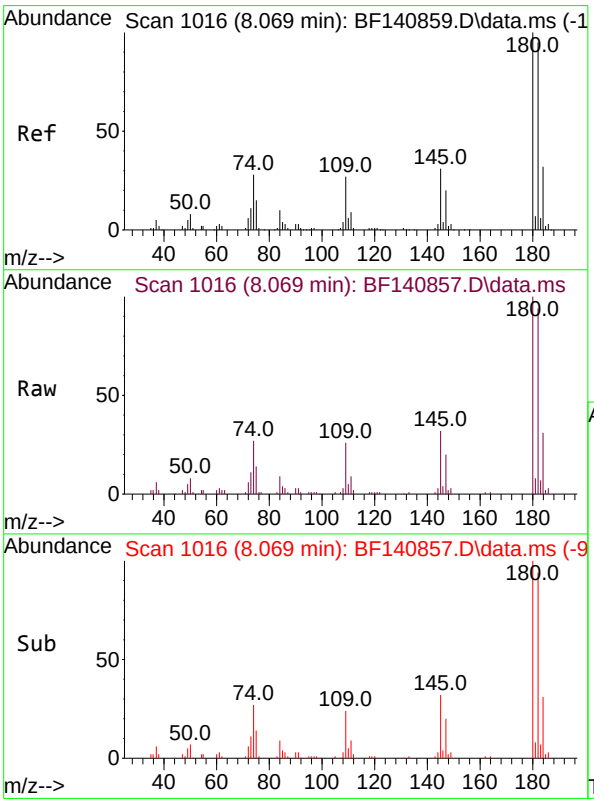

#29
2,4-Dichlorophenol
Concen: 10.191 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:162 Resp: 46274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.2 | 43.7 | 83.7 |
| 98 | 38.0 | 18.6 | 58.6 |

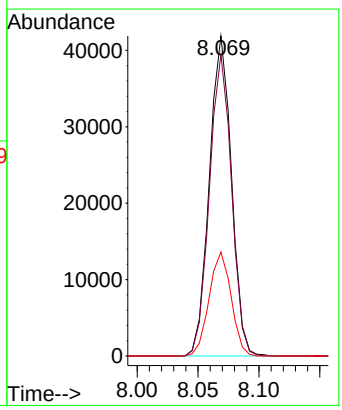


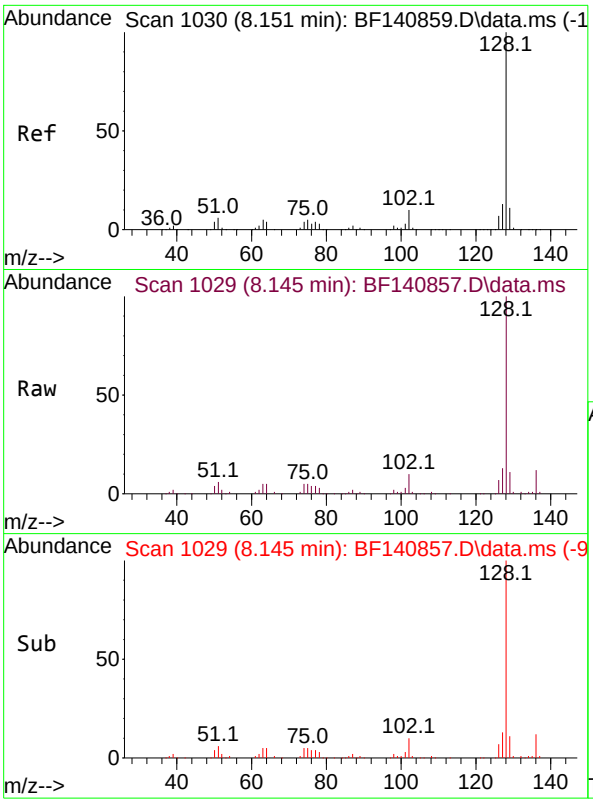




#30
1,2,4-Trichlorobenzene
Concen: 10.141 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:180 Resp: 52790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 75.8 | 113.6 |
| 145 | 32.4 | 25.2 | 37.8 |



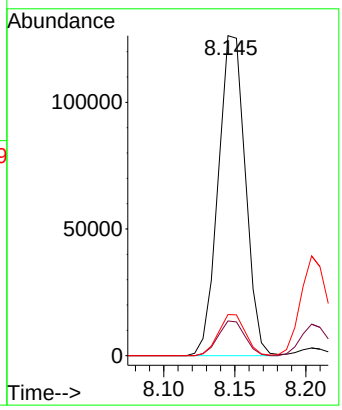


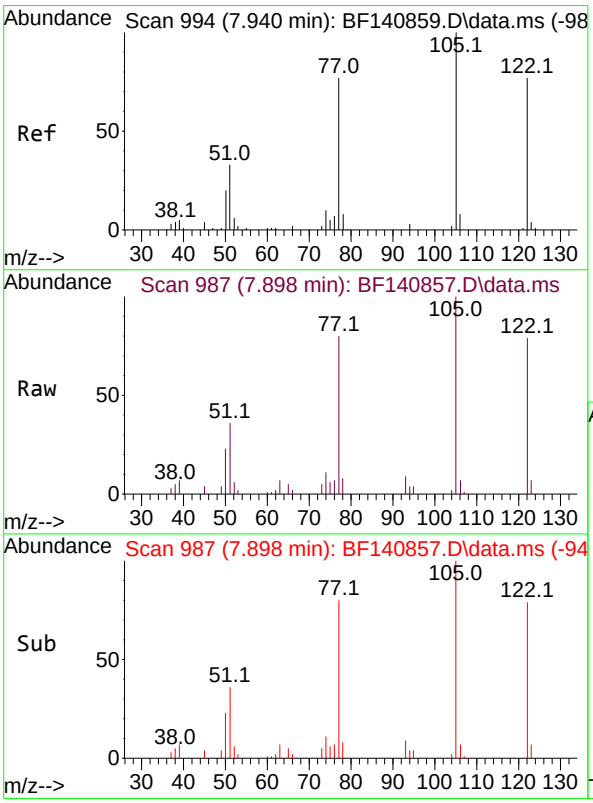

#31
Naphthalene
Concen: 10.241 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:128 Resp: 168002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 12.8 | 10.6 | 16.0 |

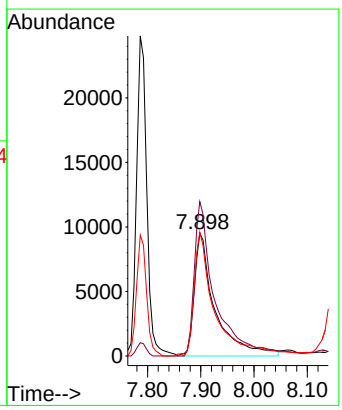


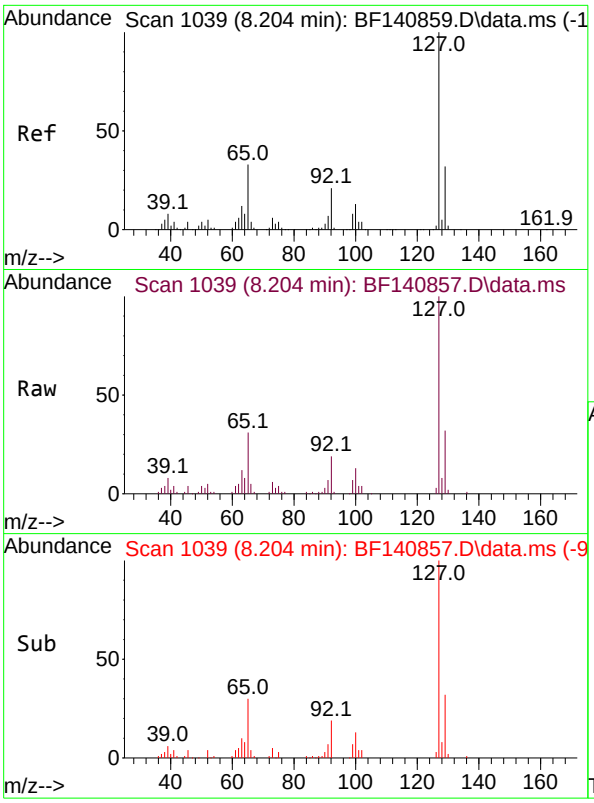




#32
Benzoic acid
Concen: 8.261 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.042 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:122 Resp: 25770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.2 | 108.3 | 148.3 |
| 77 | 101.3 | 78.8 | 118.8 |



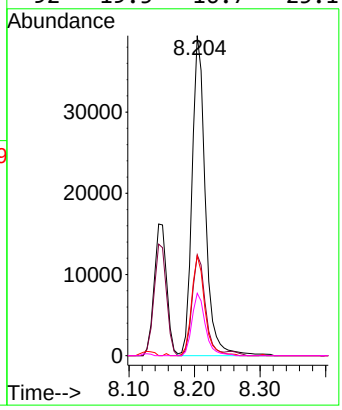


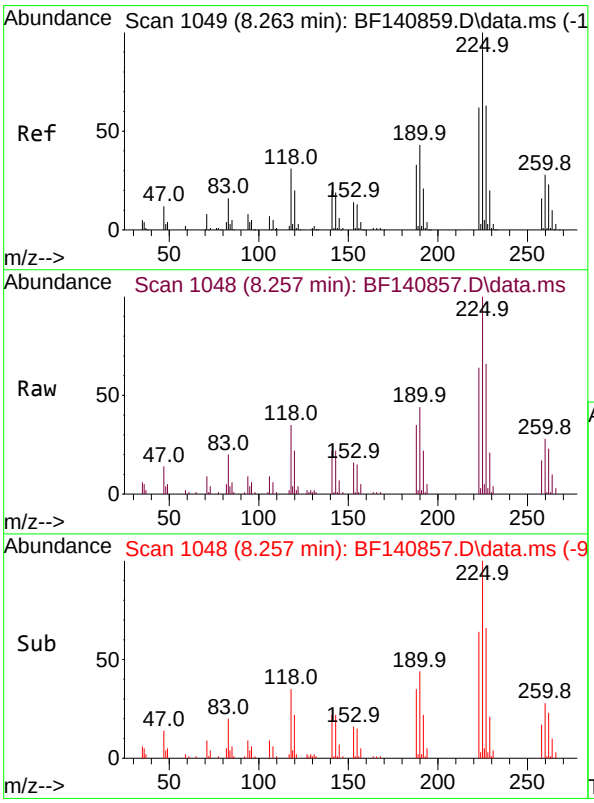

#33
4-Chloroaniline
Concen: 10.269 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:127 Resp: 55948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.5 | 26.0 | 39.0 |
| 65 | 31.2 | 26.0 | 39.0 |
| 92 | 19.5 | 16.7 | 25.1 |

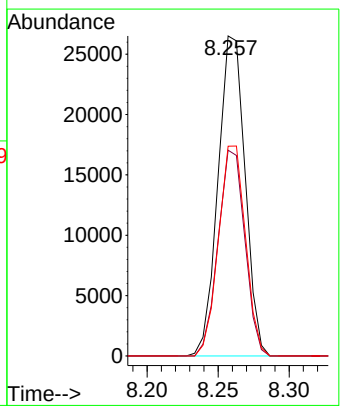


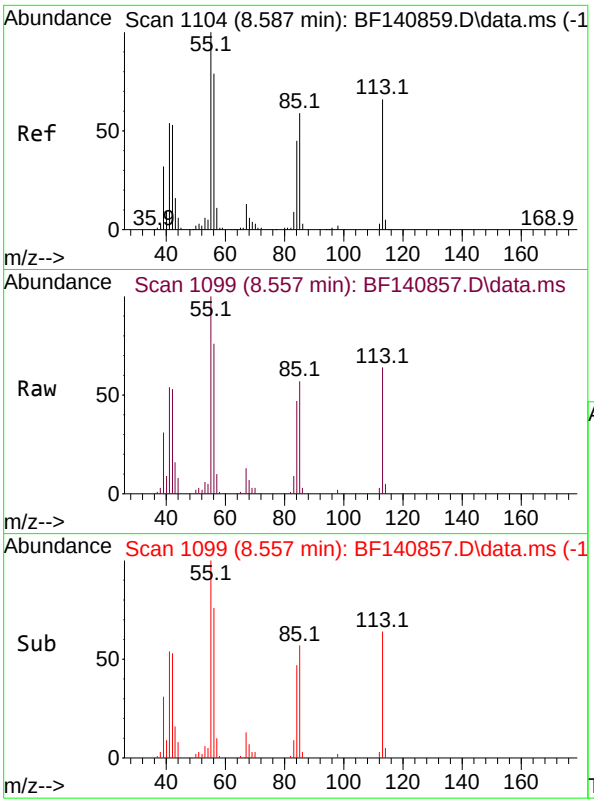




#34
Hexachlorobutadiene
Concen: 10.022 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:225 Resp: 35099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 49.6 | 74.4 |
| 227 | 65.5 | 50.7 | 76.1 |



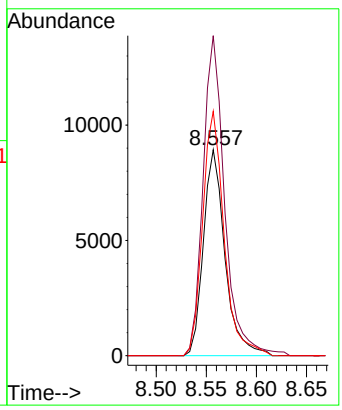


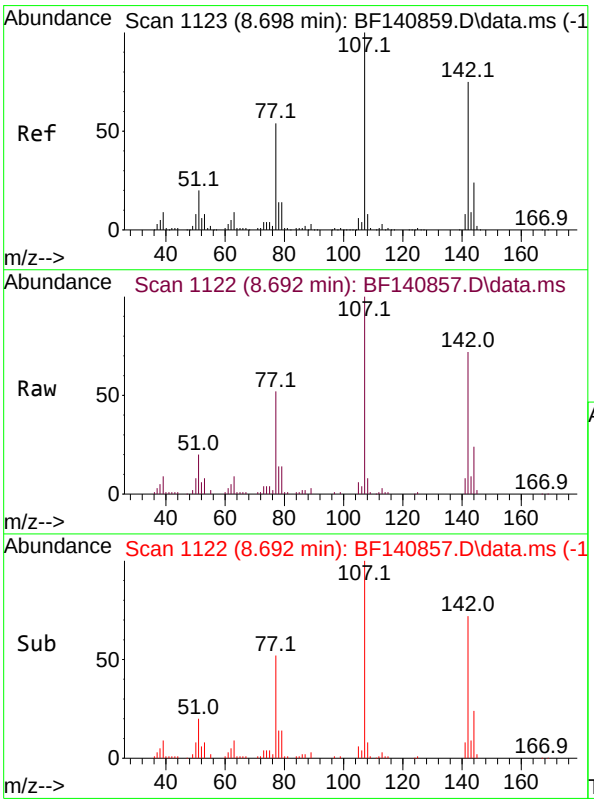

#35
Caprolactam
Concen: 9.925 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:113 Resp: 13417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 155.4 | 132.3 | 172.3 |
| 56 | 118.6 | 100.3 | 140.3 |

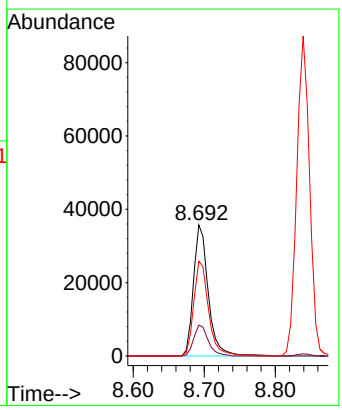


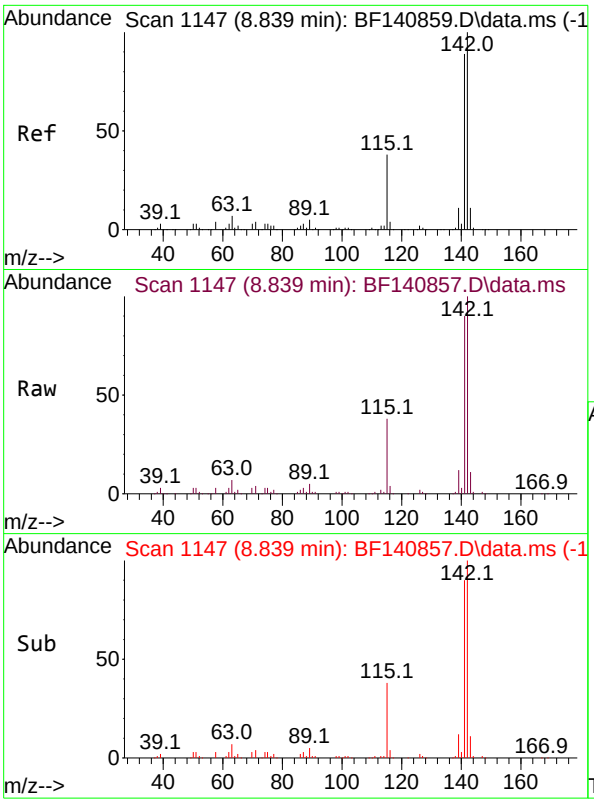




#36
4-Chloro-3-methylphenol
Concen: 10.150 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 51876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.6 | 19.4 | 29.2 |
| 142 | 72.3 | 60.3 | 90.5 |



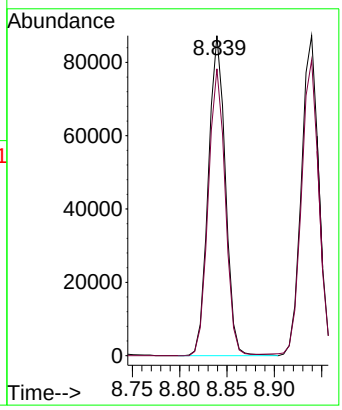


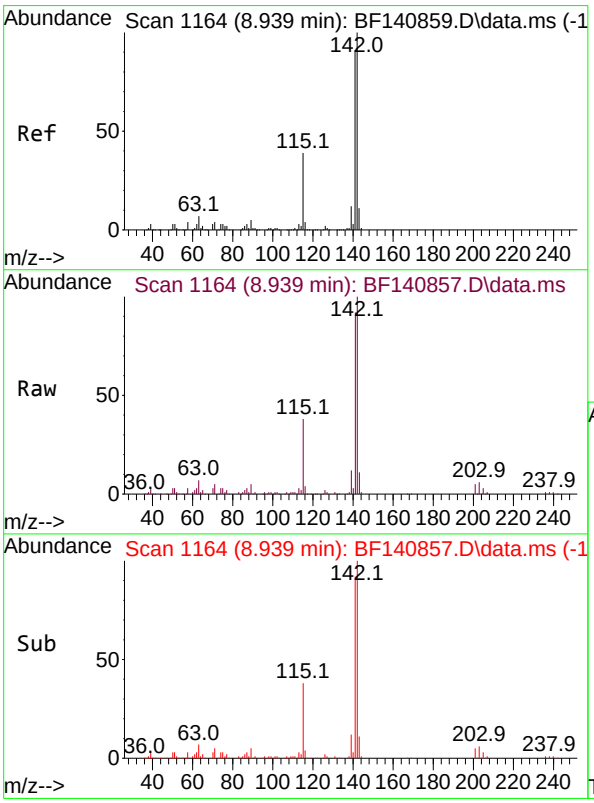

#37
2-Methylnaphthalene
Concen: 10.093 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:142 Resp: 109525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.0 | 106.6 |

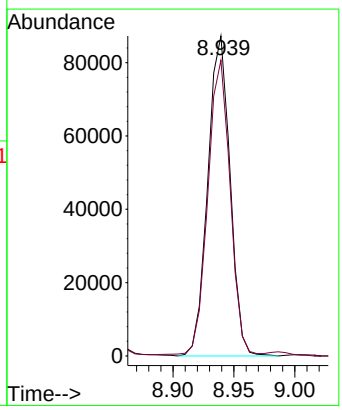


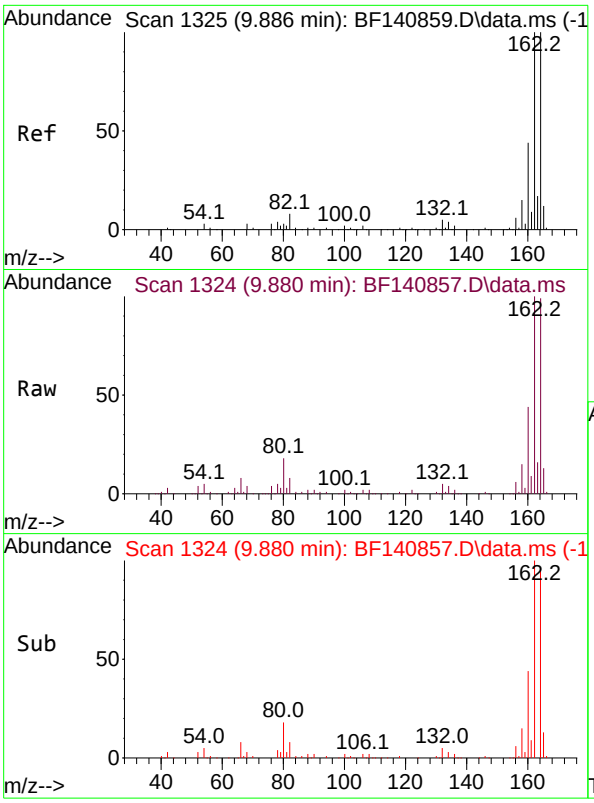




#38
1-Methylnaphthalene
Concen: 10.335 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:142 Resp: 110917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 73.4 | 110.0 |



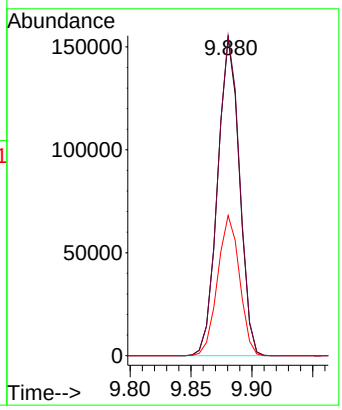


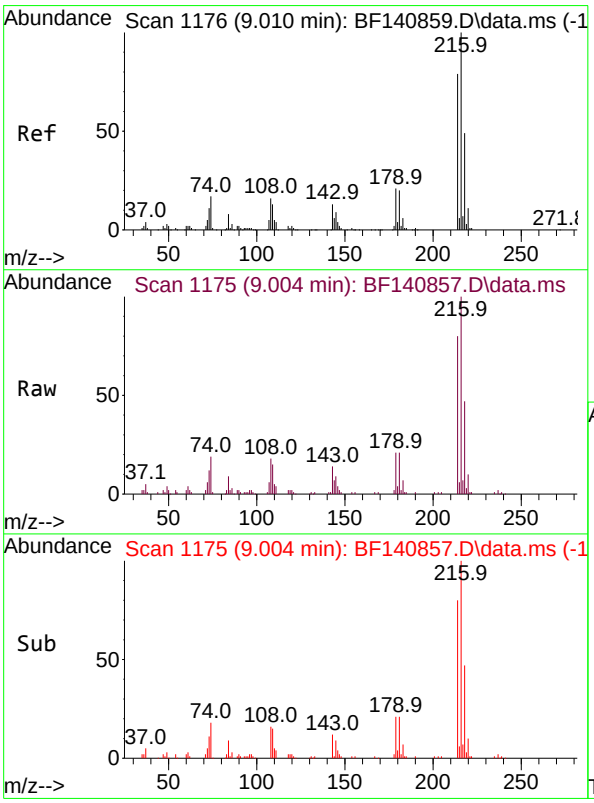

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:164 Resp: 192062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 79.9 | 119.9 |
| 160 | 44.2 | 35.2 | 52.8 |

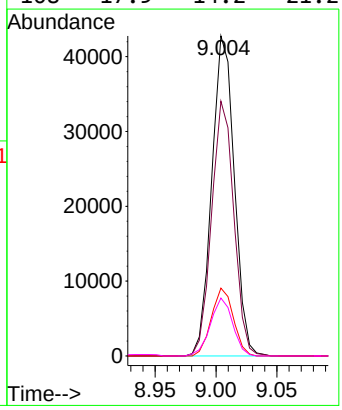


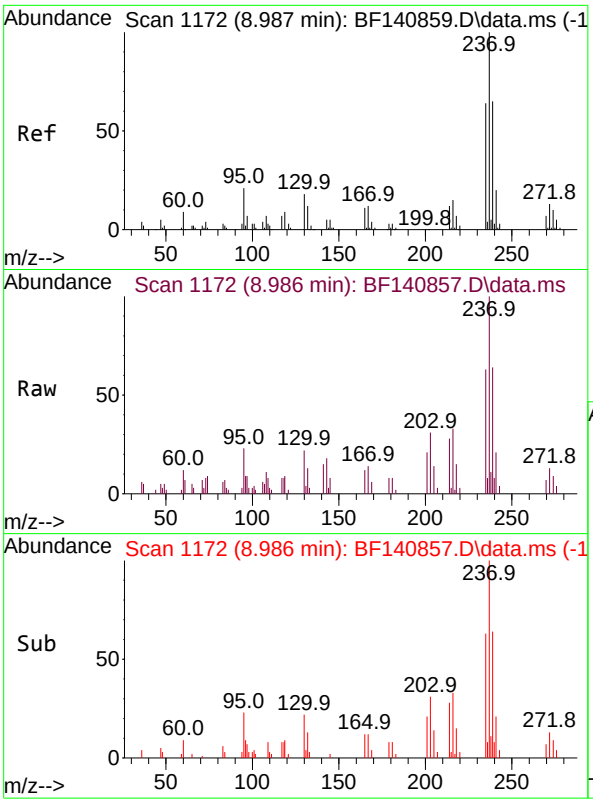




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.320 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:216 Resp: 55018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 63.6 | 95.4 |
| 179 | 20.7 | 17.0 | 25.4 |
| 108 | 17.9 | 14.2 | 21.2 |



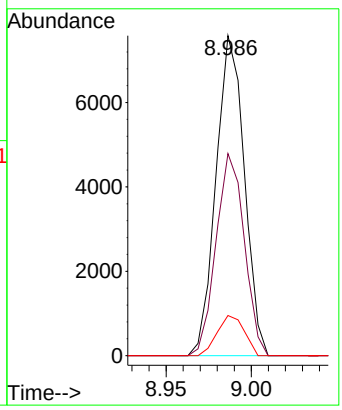


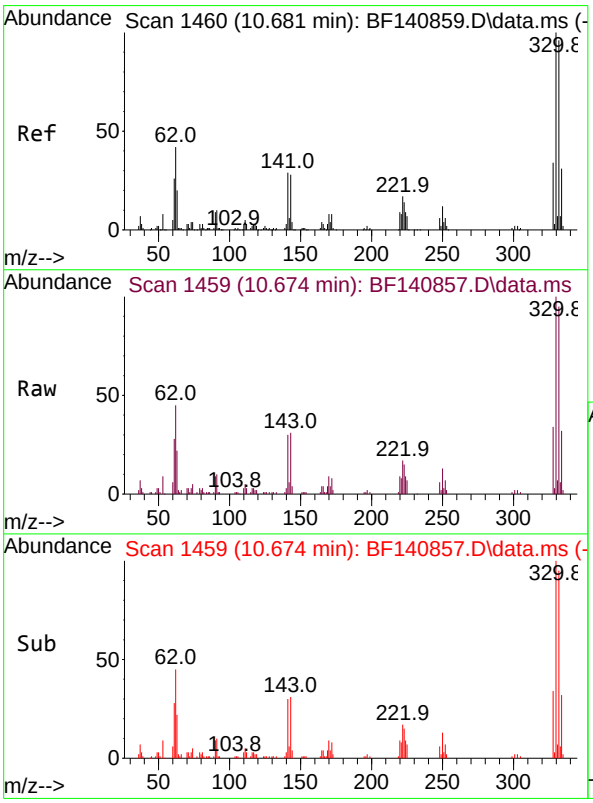

#41
Hexachlorocyclopentadiene
Concen: 8.866 ng
RT: 8.986 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:237 Resp: 8781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.7 | 83.7 |
| 272 | 12.5 | 0.0 | 32.9 |

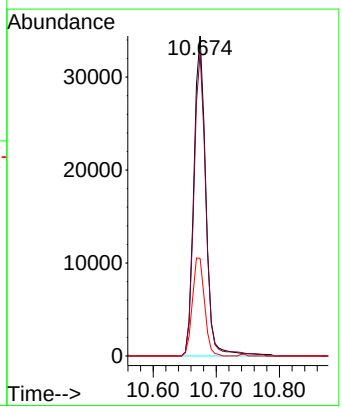


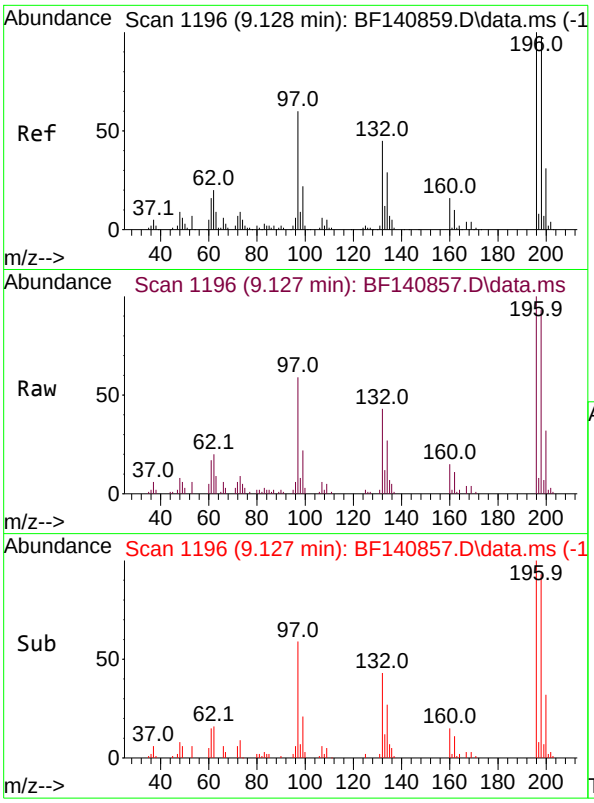




#42
2,4,6-Tribromophenol
Concen: 19.954 ng
RT: 10.674 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:330 Resp: 45327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.6 | 76.2 | 114.4 |
| 141 | 31.1 | 24.9 | 37.3 |



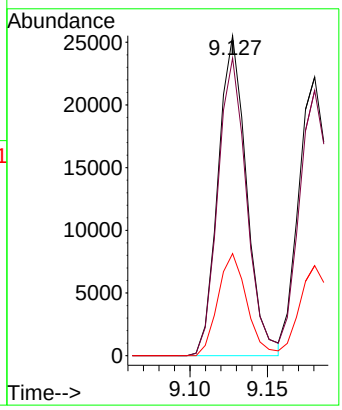


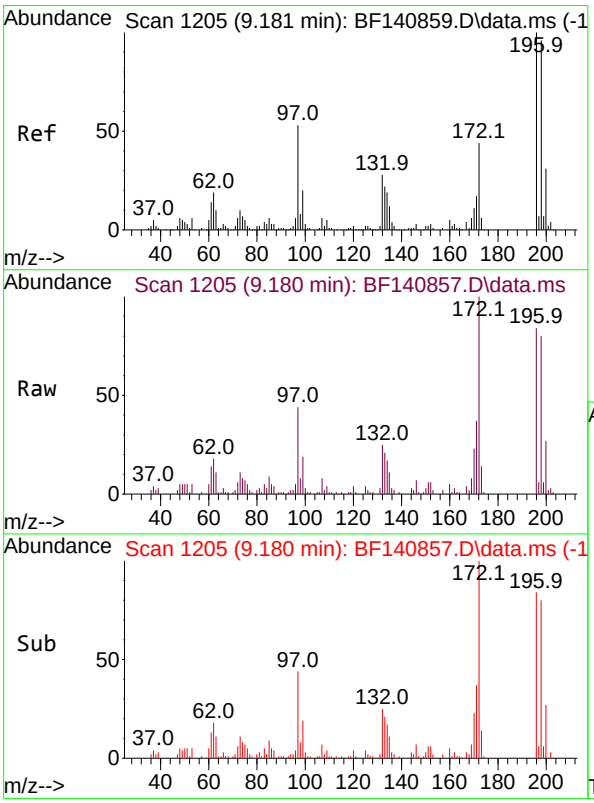

#43
2,4,6-Trichlorophenol
Concen: 9.006 ng
RT: 9.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:196 Resp: 32555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.0 | 77.4 | 116.0 |
| 200 | 31.9 | 24.5 | 36.7 |

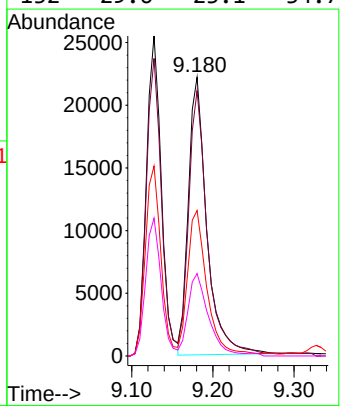


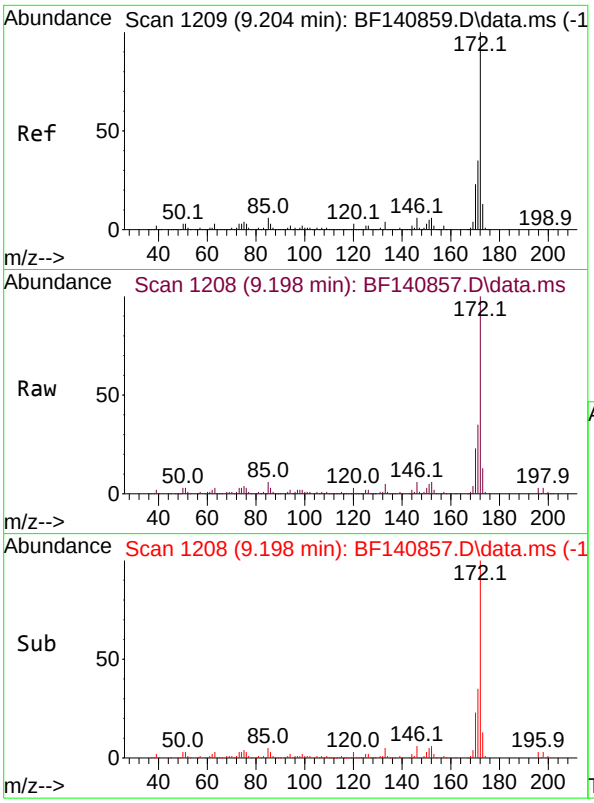




#44
2,4,5-Trichlorophenol
Concen: 8.817 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:196 Resp: 35030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 52.2 | 42.2 | 63.4 |
| 132 | 29.6 | 23.1 | 34.7 |



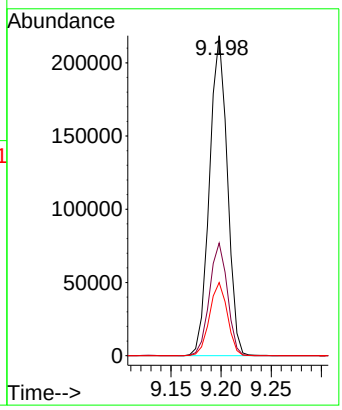


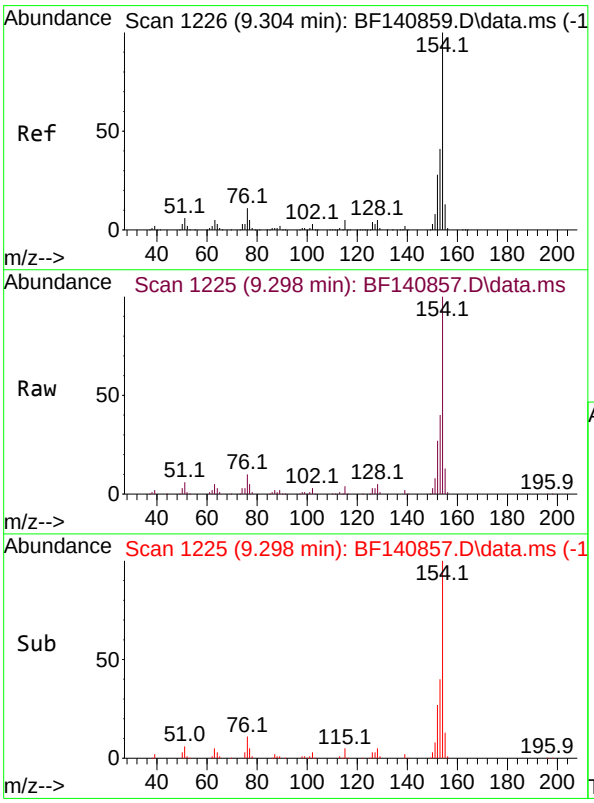

#45
2-Fluorobiphenyl
Concen: 19.381 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:172 Resp: 270749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 22.8 | 18.6 | 28.0 |

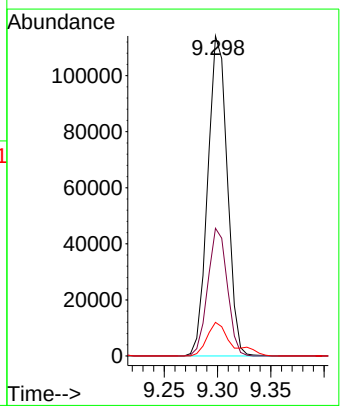


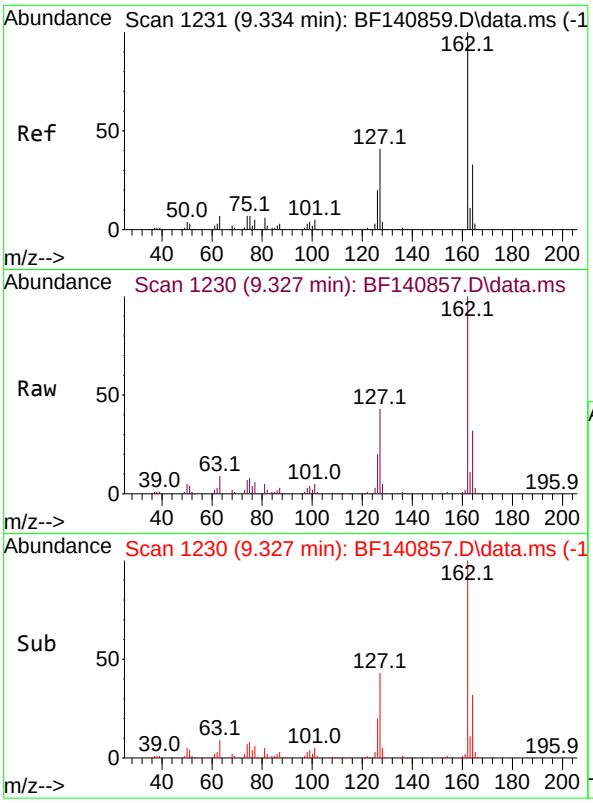




#46
1,1'-Biphenyl
Concen: 9.509 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:154 Resp: 145227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.8 | 60.8 |
| 76 | 10.5 | 0.0 | 31.0 |



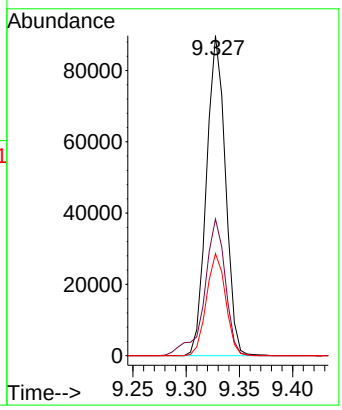


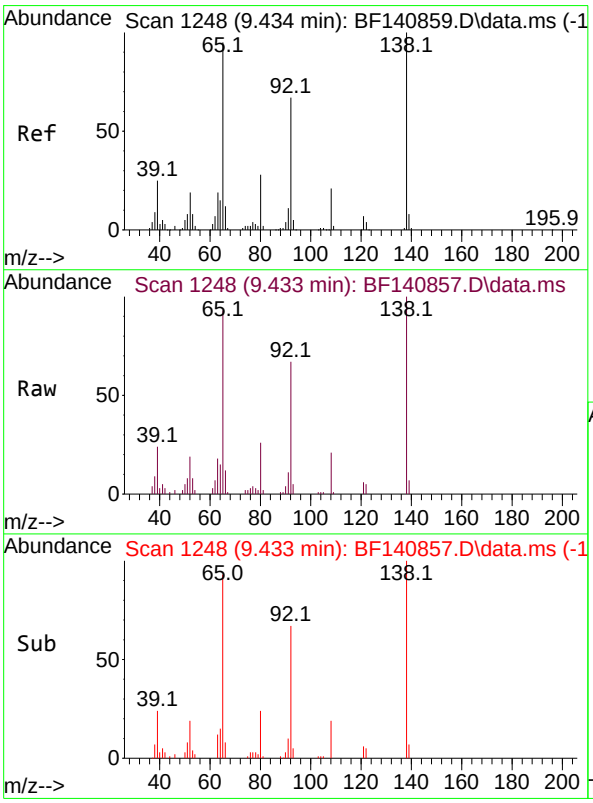

#47
2-Chloronaphthalene
Concen: 9.507 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:162 Resp: 111077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 33.5 | 50.3 |
| 164 | 31.9 | 26.2 | 39.2 |

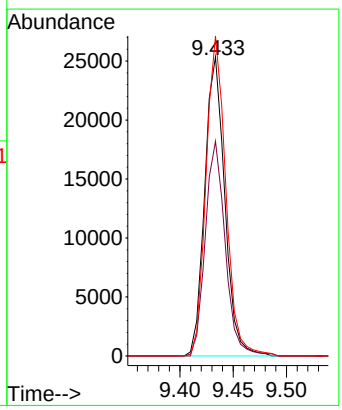


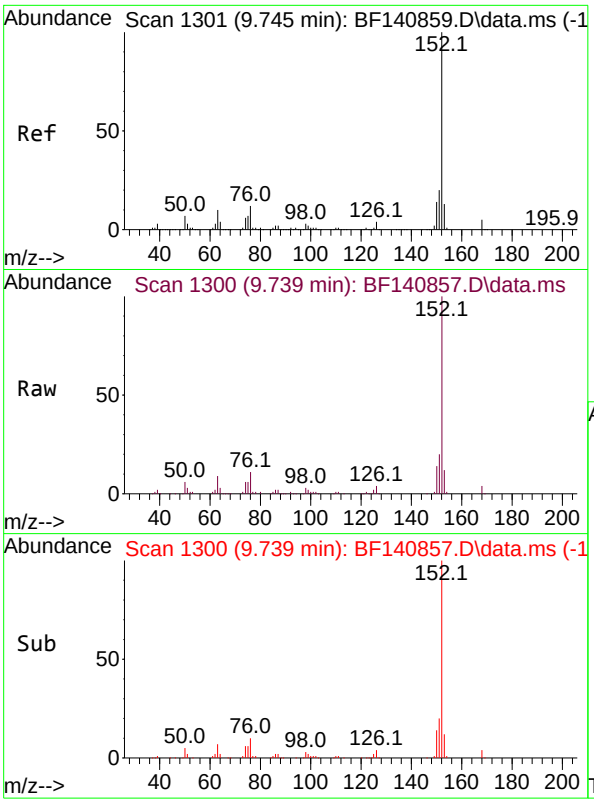




#48
2-Nitroaniline
Concen: 9.416 ng
RT: 9.433 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 65 Resp: 33225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.8 | 56.3 | 84.5 |
| 138 | 107.0 | 83.8 | 125.6 |



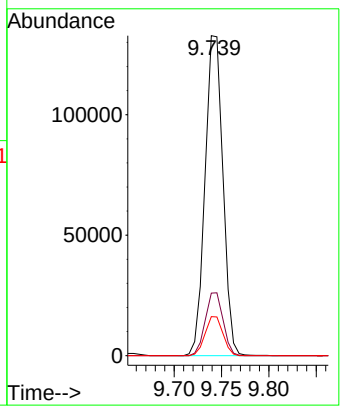


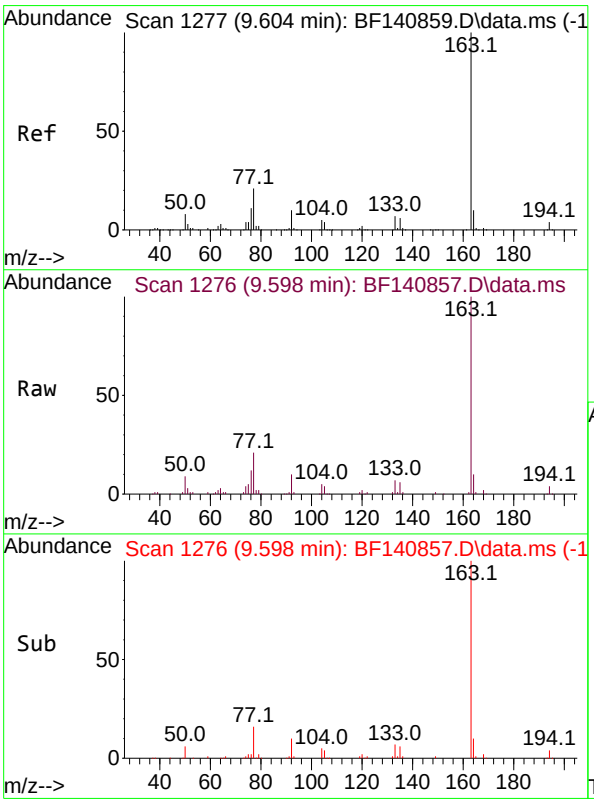

#49
Acenaphthylene
Concen: 10.187 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:152 Resp: 174905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.0 | 24.0 |
| 153 | 12.2 | 10.6 | 16.0 |

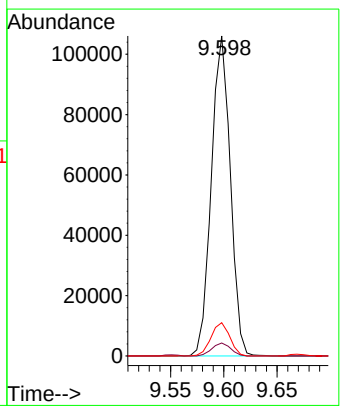


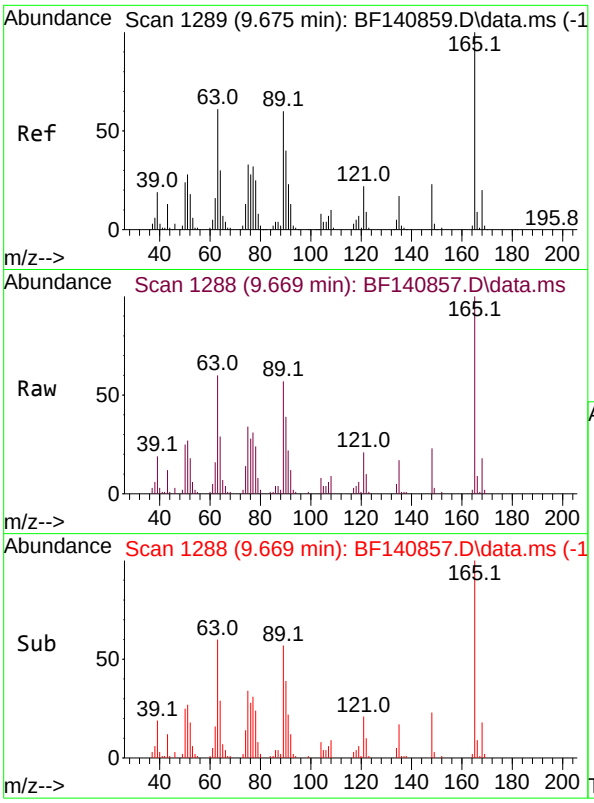




#50
Dimethylphthalate
Concen: 9.693 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:163 Resp: 131257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.4 | 8.1 | 12.1 |



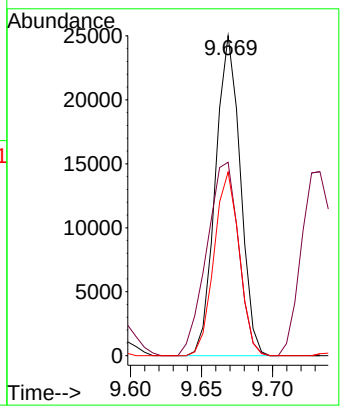


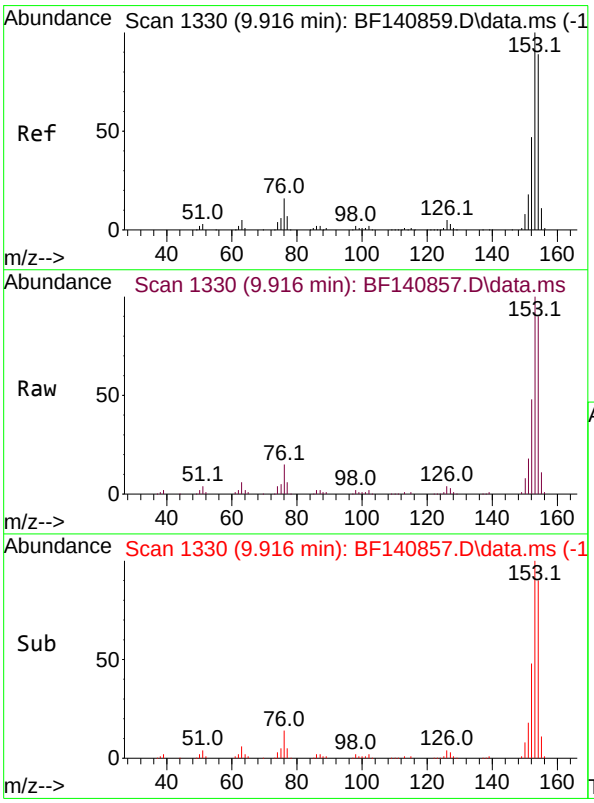

#51
2,6-Dinitrotoluene
Concen: 9.831 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:165 Resp: 30431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.5 | 49.7 | 74.5 |
| 89 | 57.4 | 48.2 | 72.4 |

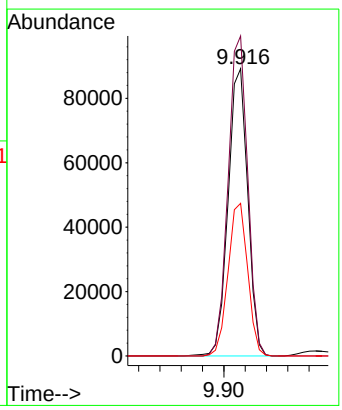


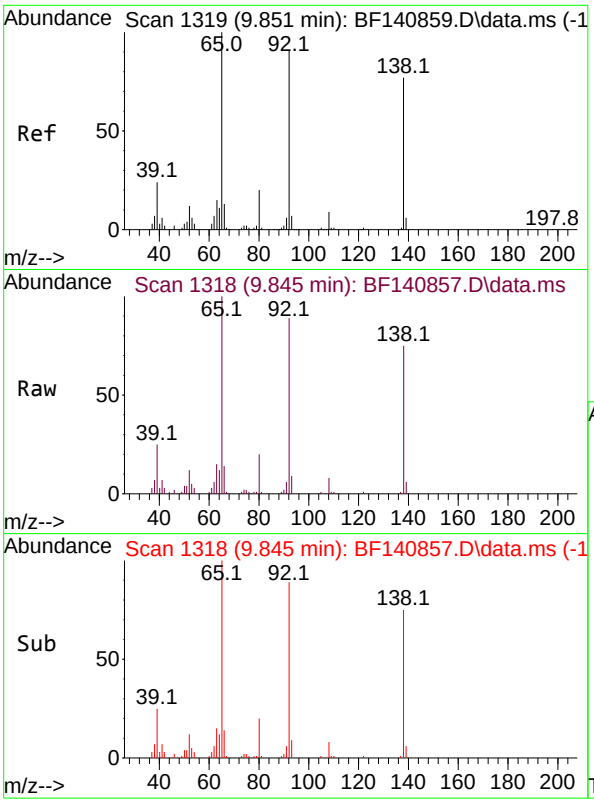




#52
Acenaphthene
Concen: 10.419 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:154 Resp: 114273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.4 | 89.9 | 134.9 |
| 152 | 53.1 | 42.6 | 63.8 |



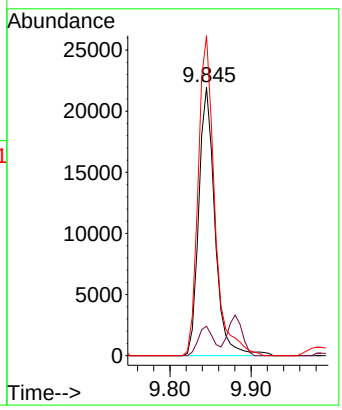


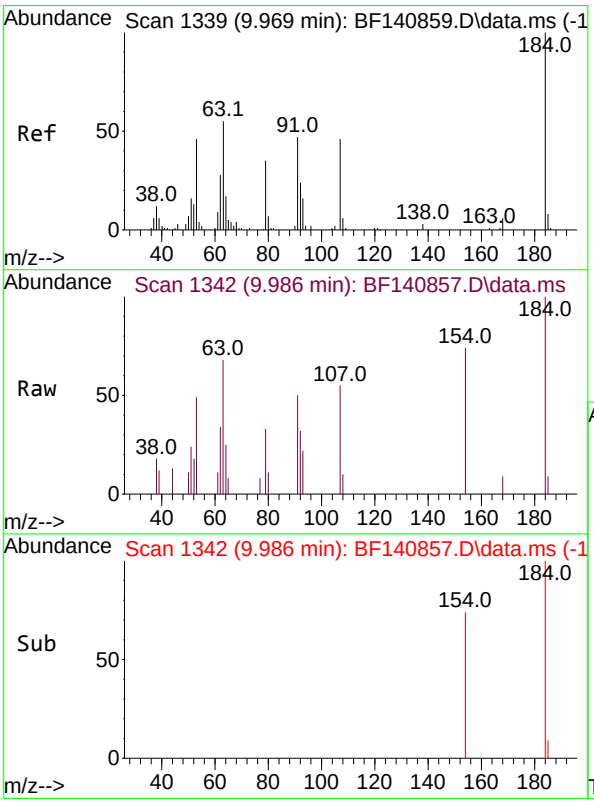

#53
3-Nitroaniline
Concen: 9.885 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:138 Resp: 30367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 9.0 | 13.4 |
| 92 | 119.2 | 95.5 | 143.3 |

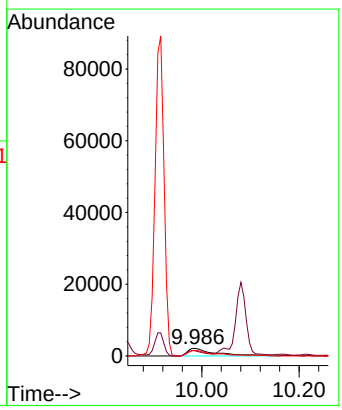


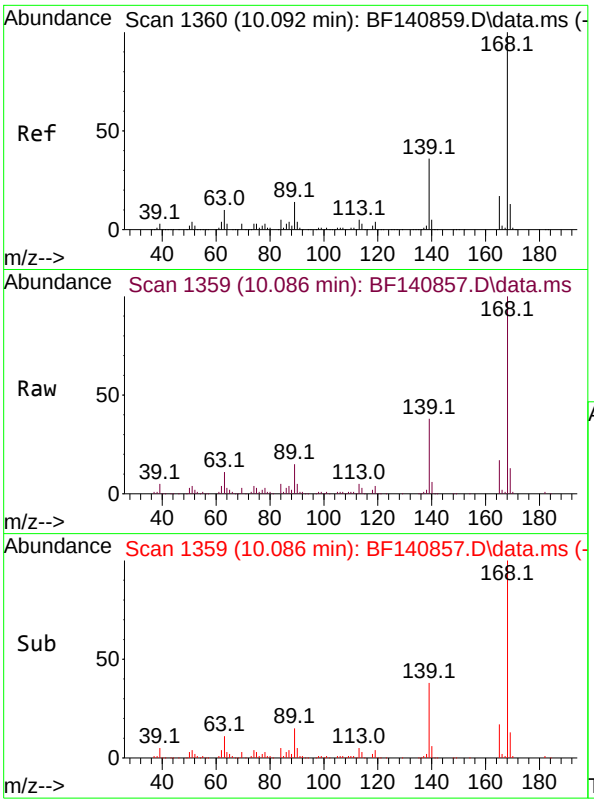




#54
2,4-Dinitrophenol
Concen: 11.701 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.017 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:184 Resp: 8488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.8 | 51.6 | 77.4 |
| 154 | 74.2 | 56.1 | 84.1 |



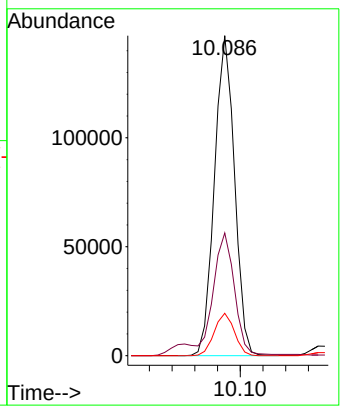


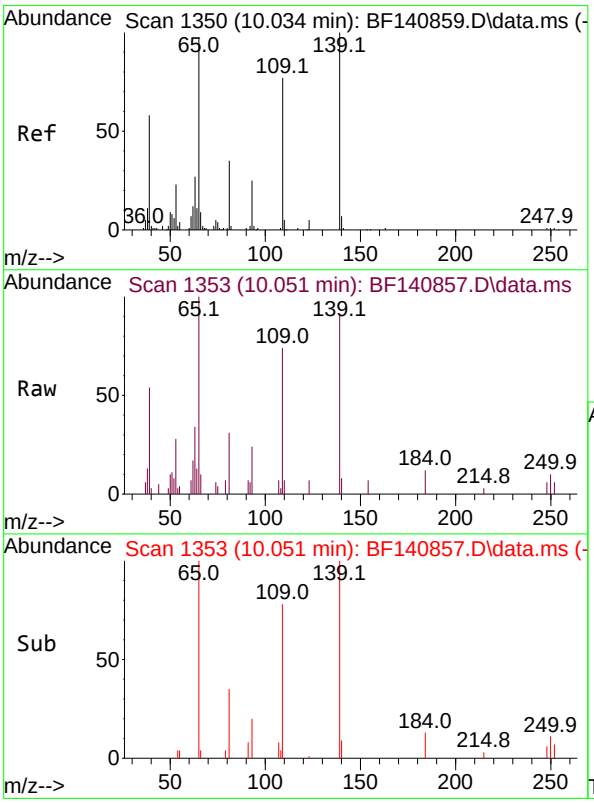

#55
Dibenzofuran
Concen: 10.598 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:168 Resp: 180108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.3 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |

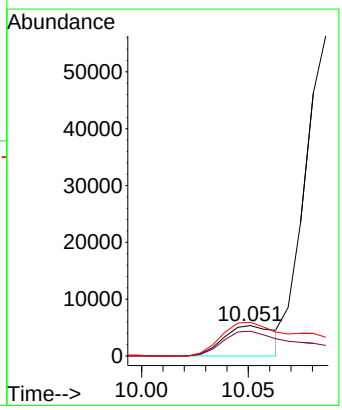


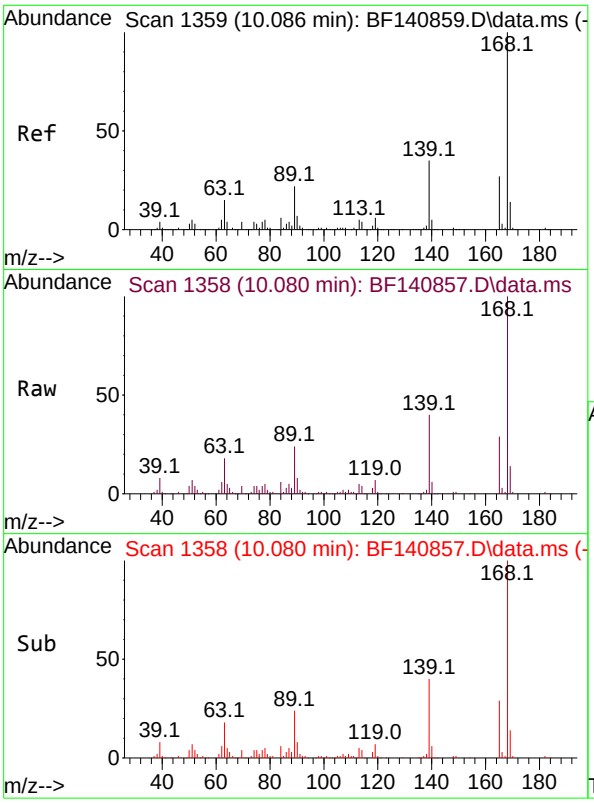




#56
4-Nitrophenol
Concen: 9.461 ng m
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:139 Resp: 8781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.7 | 56.7 | 96.7 |
| 65 | 110.3 | 78.1 | 118.1 |



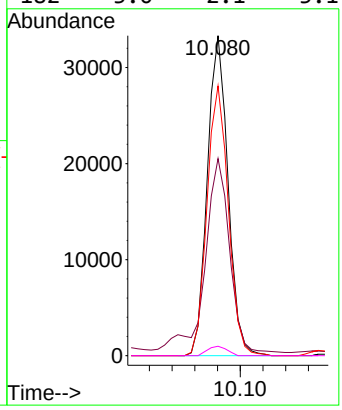


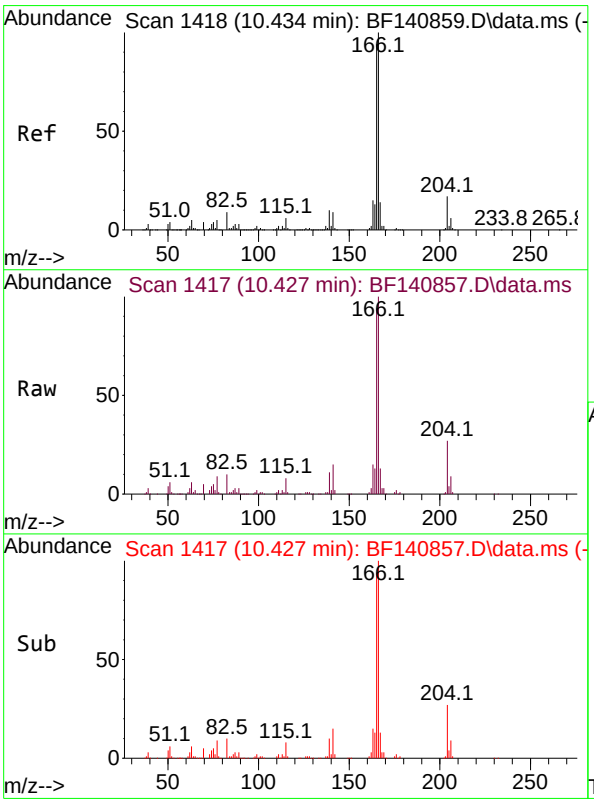

#57
2,4-Dinitrotoluene
Concen: 10.339 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:165 Resp: 42109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.6 | 49.3 | 73.9 |
| 89 | 84.3 | 66.2 | 99.4 |
| 182 | 3.0 | 2.1 | 3.1 |

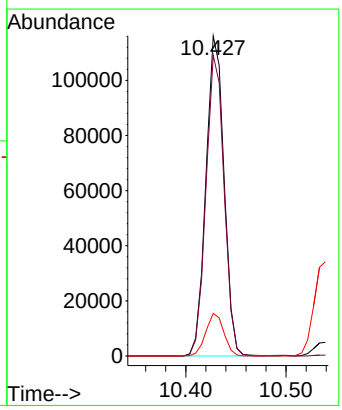


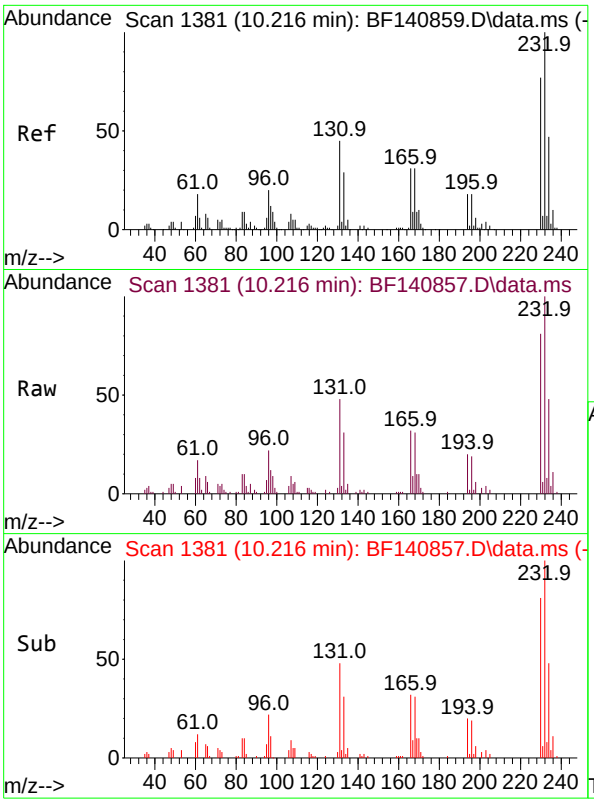




#58
Fluorene
Concen: 10.424 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:166 Resp: 146155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |



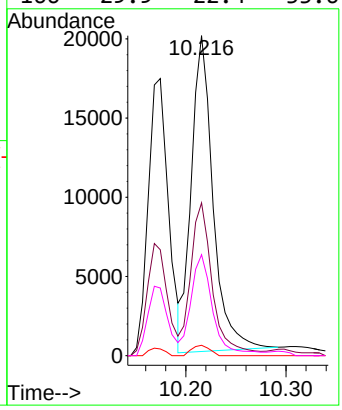


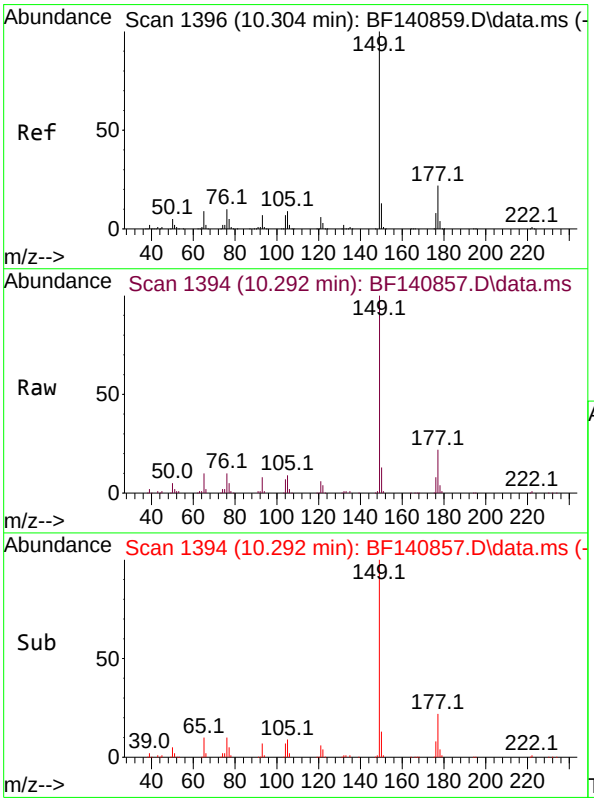

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.251 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:232 Resp: 29950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.8 | 35.1 | 52.7 |
| 130 | 2.7 | 1.8 | 2.8 |
| 166 | 29.9 | 22.4 | 33.6 |

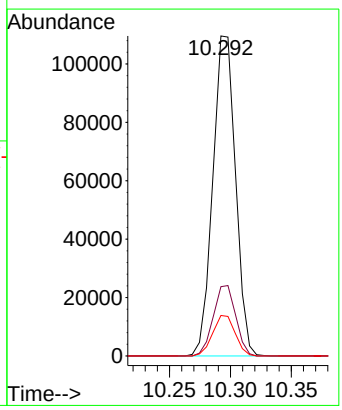


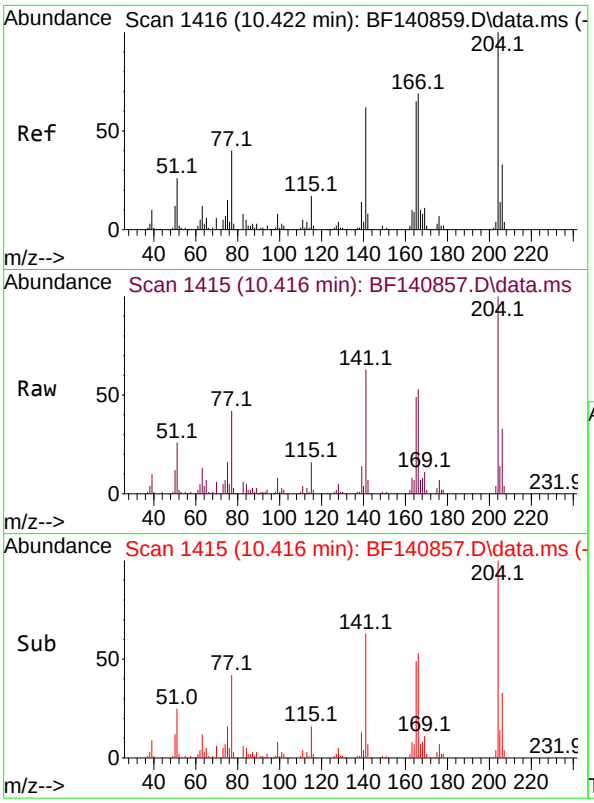




#60
Diethylphthalate
Concen: 10.147 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 142484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.7 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |



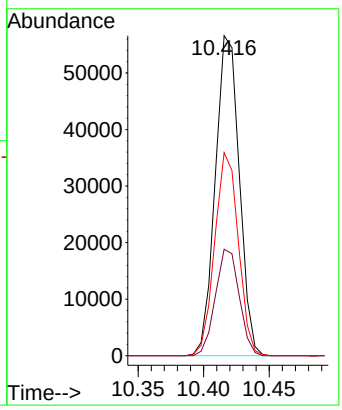


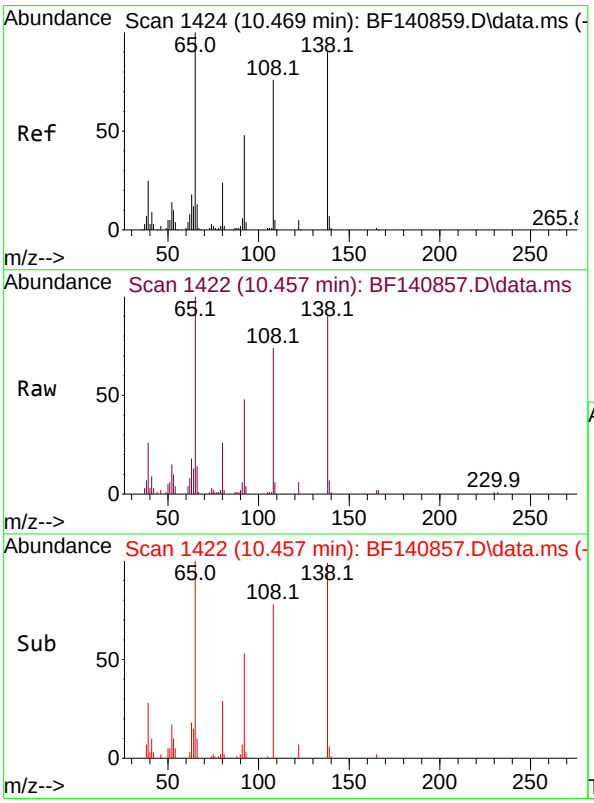

#61
4-Chlorophenyl-phenylether
Concen: 10.224 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:204 Resp: 72010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.3 | 26.5 | 39.7 |
| 141 | 63.4 | 50.0 | 75.0 |

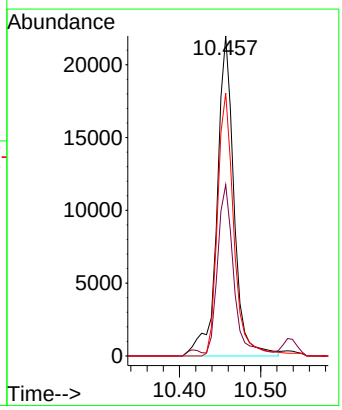


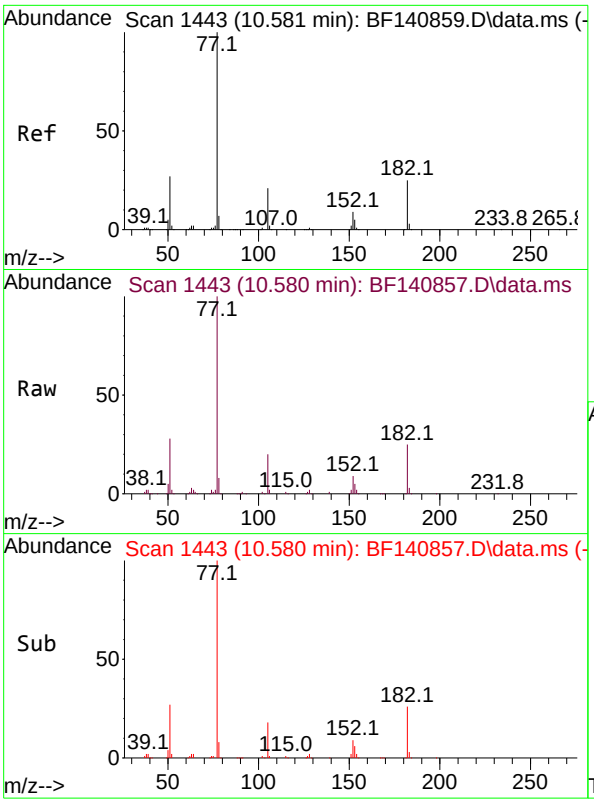




#62
4-Nitroaniline
Concen: 9.956 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:138 Resp: 31962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.5 | 32.6 | 72.6 |
| 108 | 82.1 | 64.1 | 104.1 |



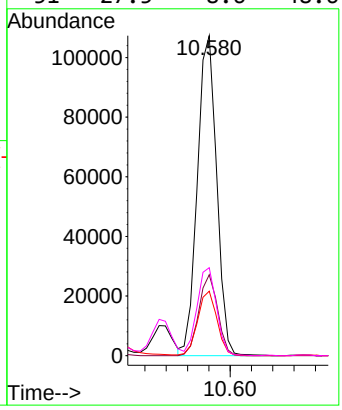


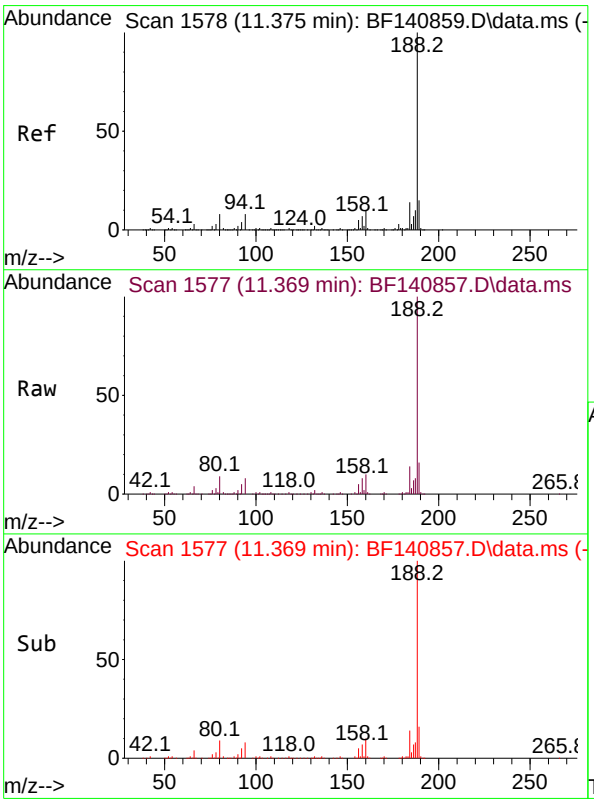

#63
Azobenzene
Concen: 10.267 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 77 Resp: 135524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.3 | 4.5 | 44.5 |
| 105 | 20.1 | 0.9 | 40.9 |
| 51 | 27.5 | 8.6 | 48.6 |

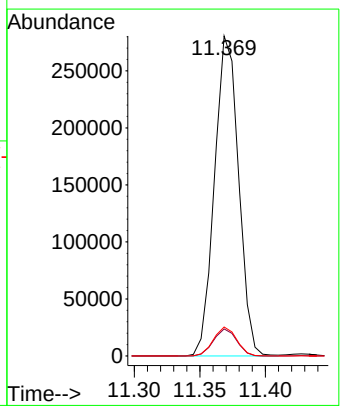


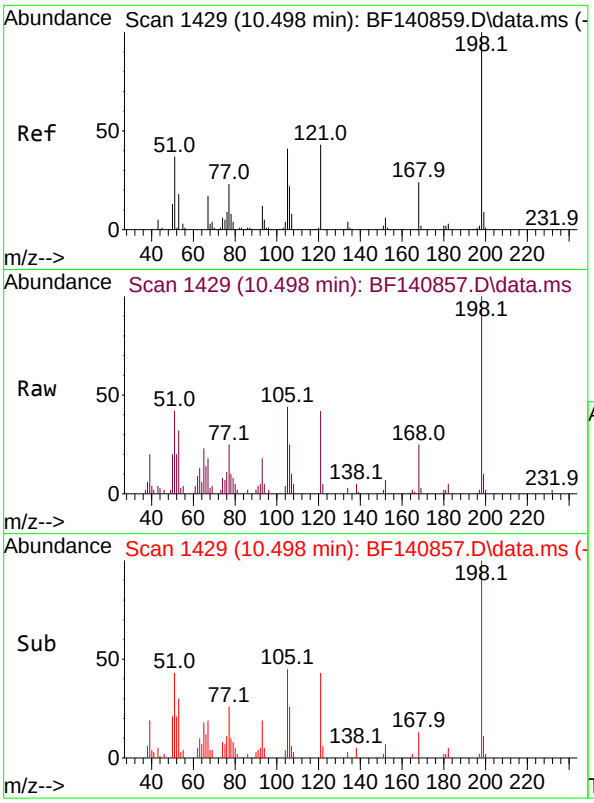




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:188 Resp: 358020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 9.1 | 6.8 | 10.2 |



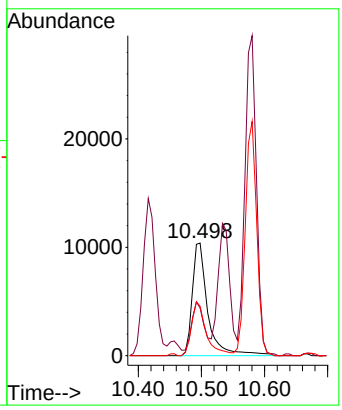


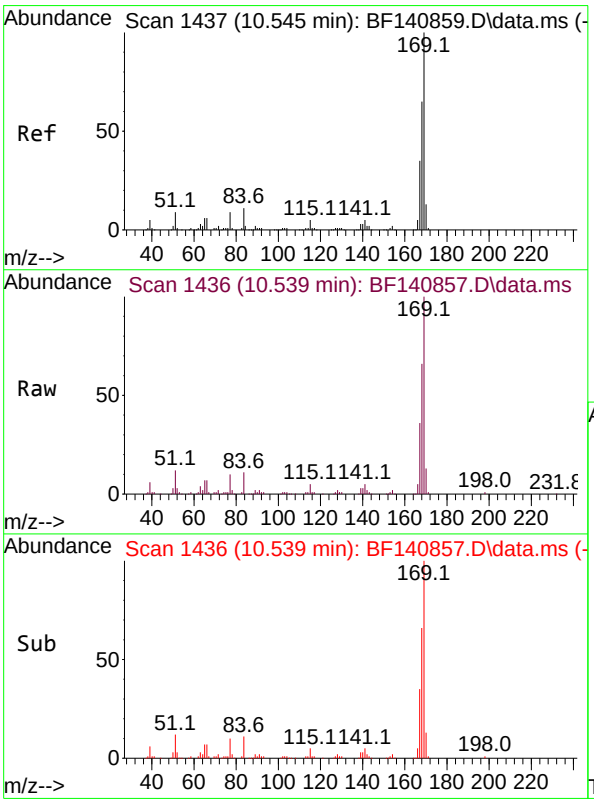

#65
4,6-Dinitro-2-methylphenol
Concen: 8.752 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:198 Resp: 17756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.2 | 24.4 | 64.4 |
| 105 | 43.9 | 22.1 | 62.1 |

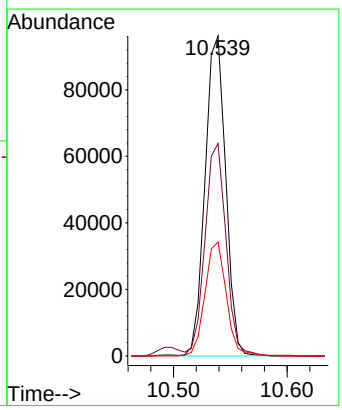


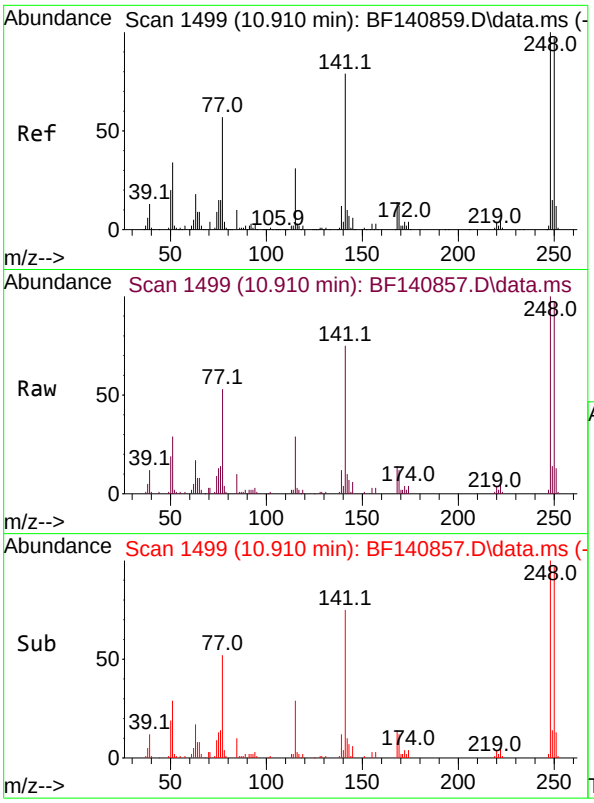




#66
n-Nitrosodiphenylamine
Concen: 11.038 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:169 Resp: 121500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 53.4 | 80.0 |
| 167 | 35.6 | 28.3 | 42.5 |



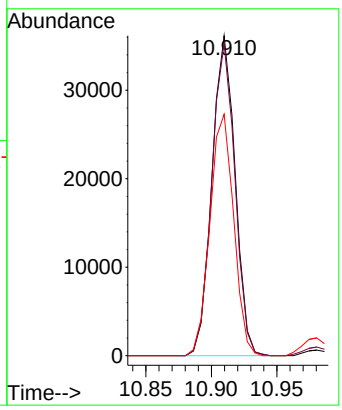


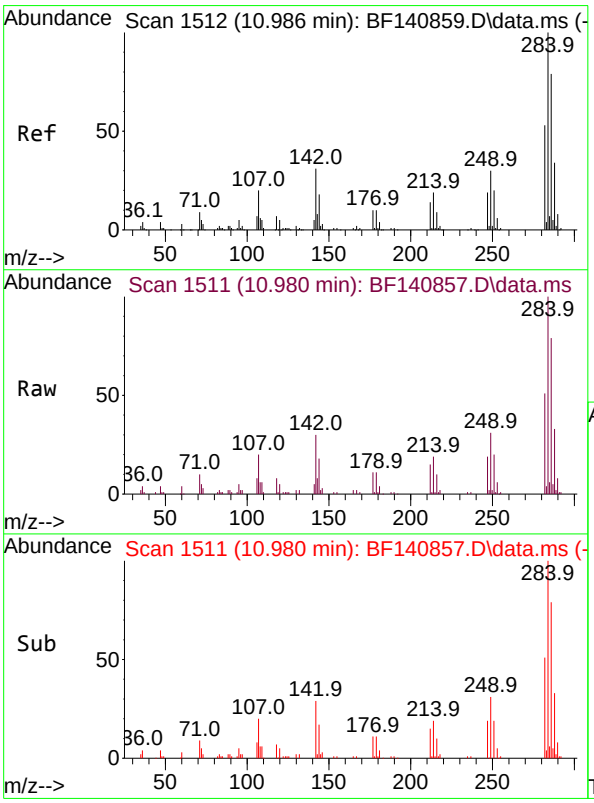

#67
4-Bromophenyl-phenylether
Concen: 11.082 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:248 Resp: 44385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.4 | 116.2 |
| 141 | 75.5 | 62.9 | 94.3 |

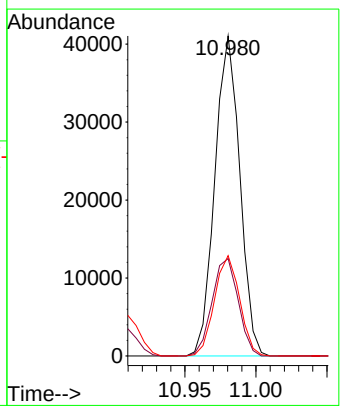


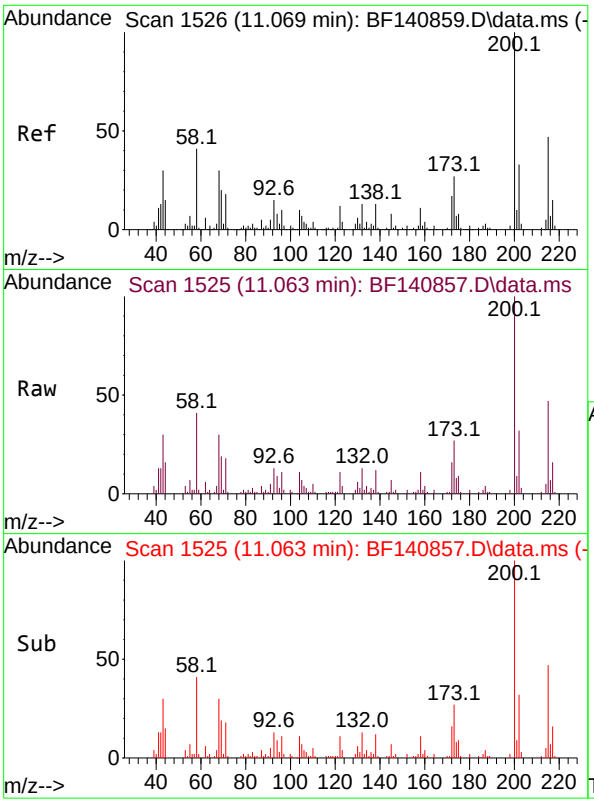




#68
Hexachlorobenzene
Concen: 11.040 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:284 Resp: 50135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.4 | 24.6 | 36.8 |
| 249 | 31.3 | 24.3 | 36.5 |



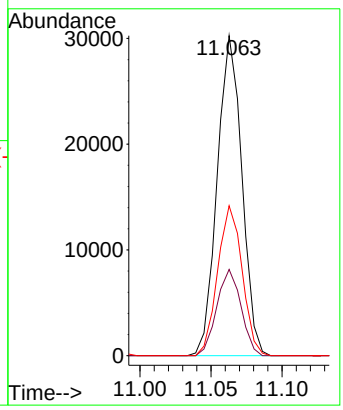


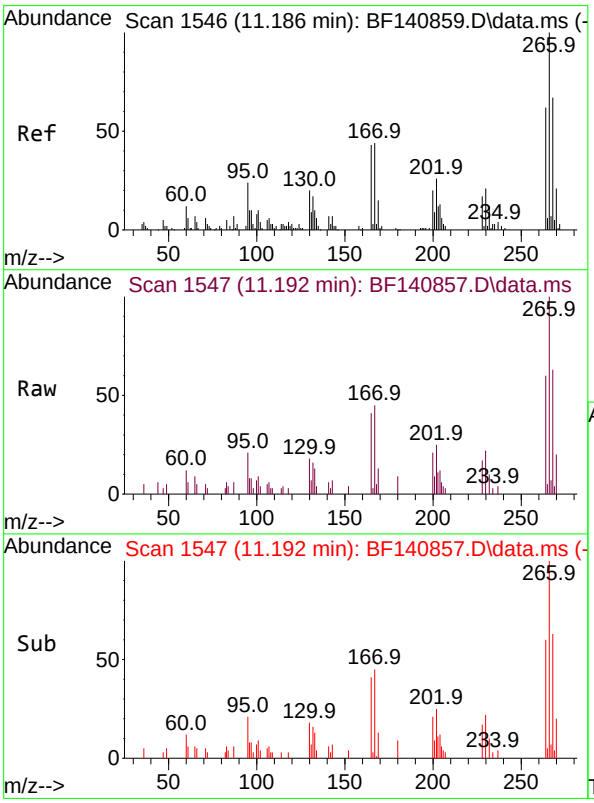

#69
Atrazine
Concen: 11.864 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:200 Resp: 36472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 6.6 | 46.6 |
| 215 | 46.8 | 26.7 | 66.7 |

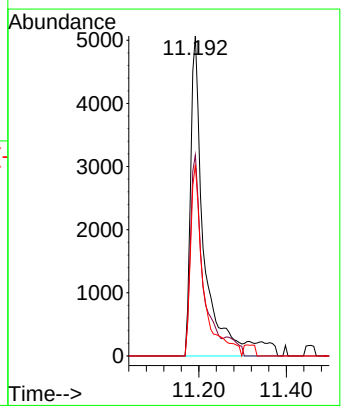


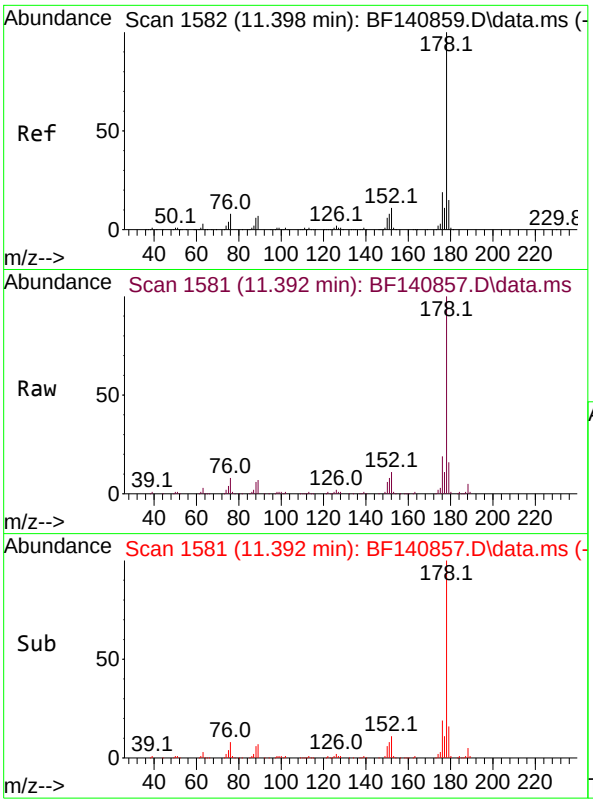




#70
Pentachlorophenol
Concen: 6.725 ng m
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:266 Resp: 11171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.8 | 54.0 | 81.0 |
| 264 | 59.7 | 49.4 | 74.2 |



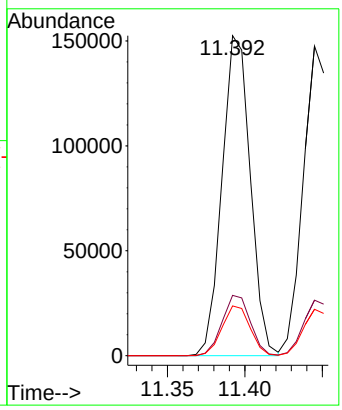


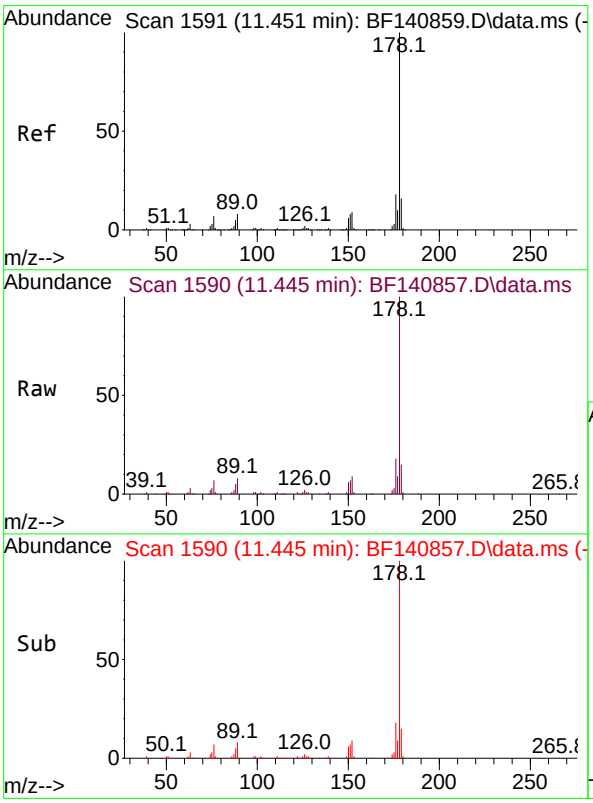

#71
Phenanthrene
Concen: 10.510 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:178 Resp: 193504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.6 | 12.1 | 18.1 |

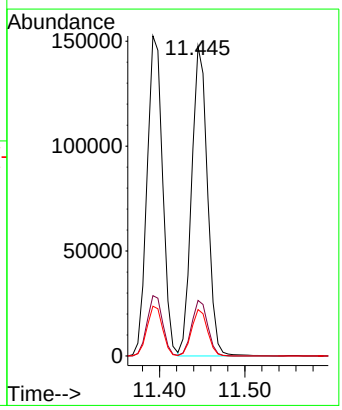


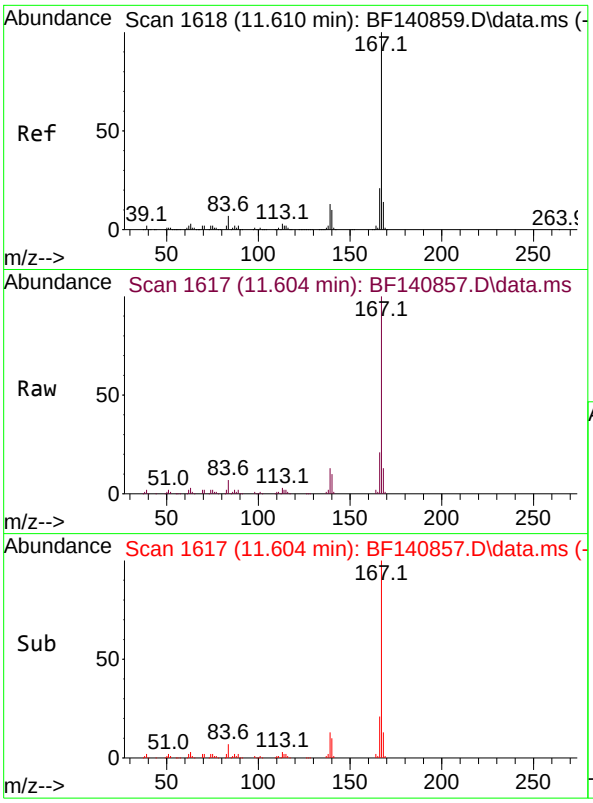




#72
Anthracene
Concen: 10.502 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:178 Resp: 190407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 14.6 | 22.0 |
| 179 | 15.0 | 12.6 | 18.8 |



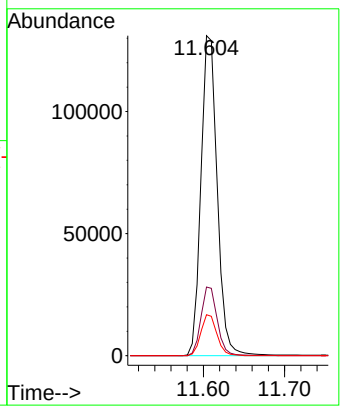


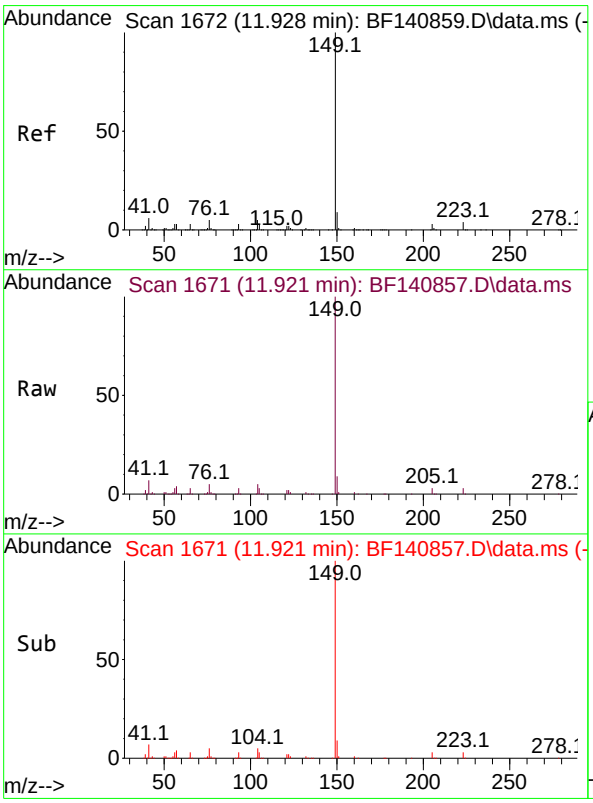

#73
Carbazole
Concen: 10.259 ng
RT: 11.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:167 Resp: 182199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.6 |
| 139 | 12.8 | 10.2 | 15.2 |

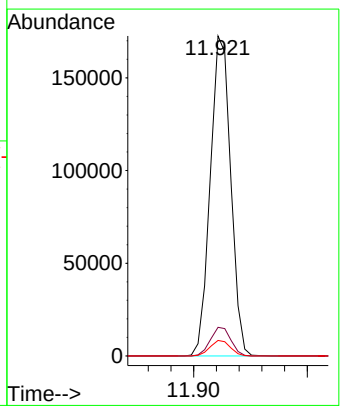


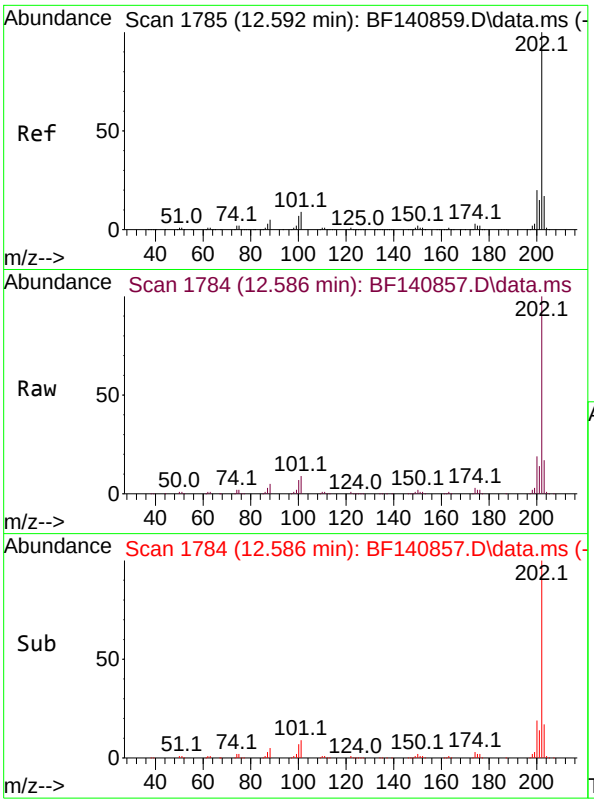




#74
Di-n-butylphthalate
Concen: 10.359 ng
RT: 11.921 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 215903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



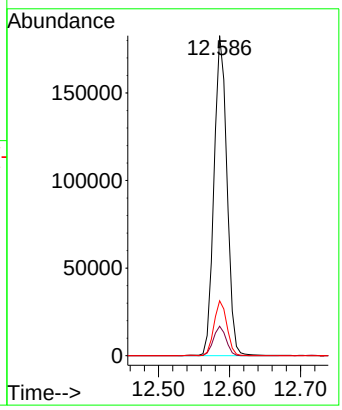


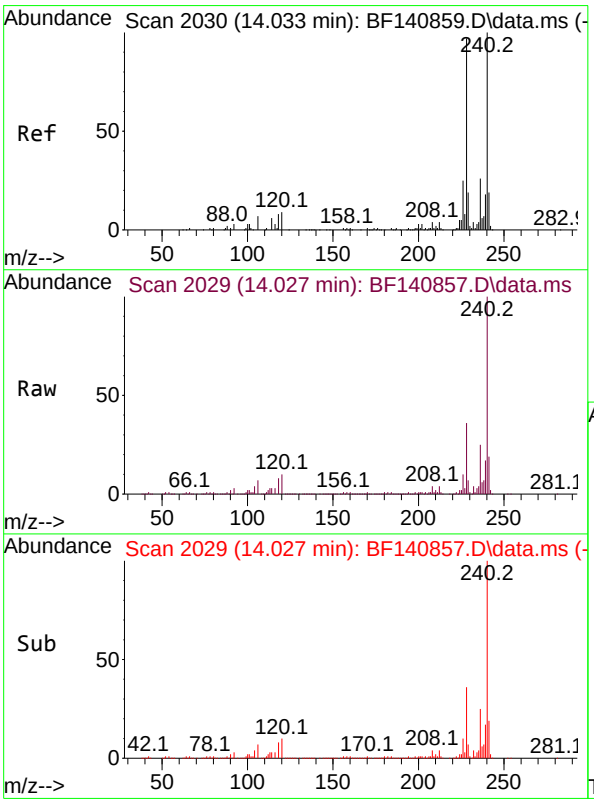

#75
Fluoranthene
Concen: 10.896 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:202 Resp: 231038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.3 |
| 203 | 17.1 | 0.0 | 37.4 |

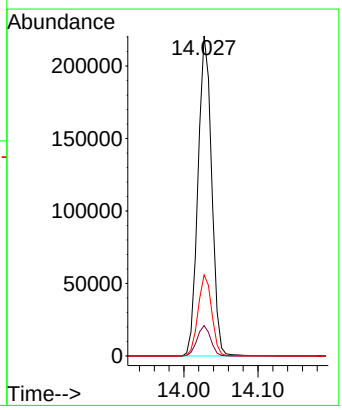


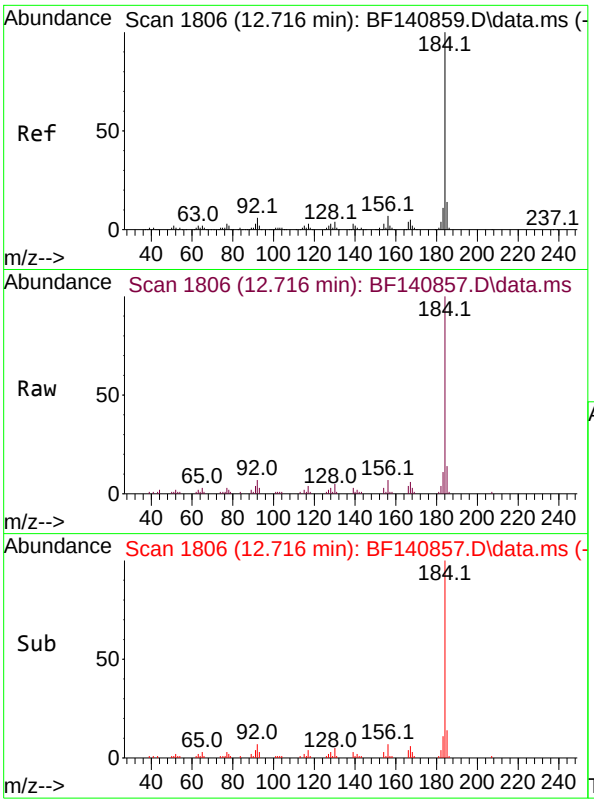




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:240 Resp: 282501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.3 | 20.5 | 30.7 |



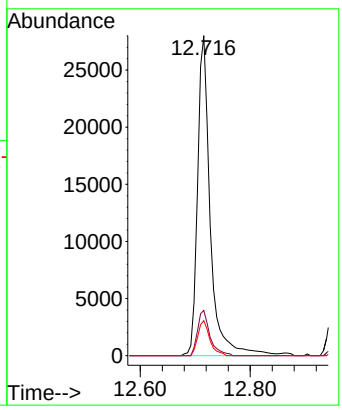


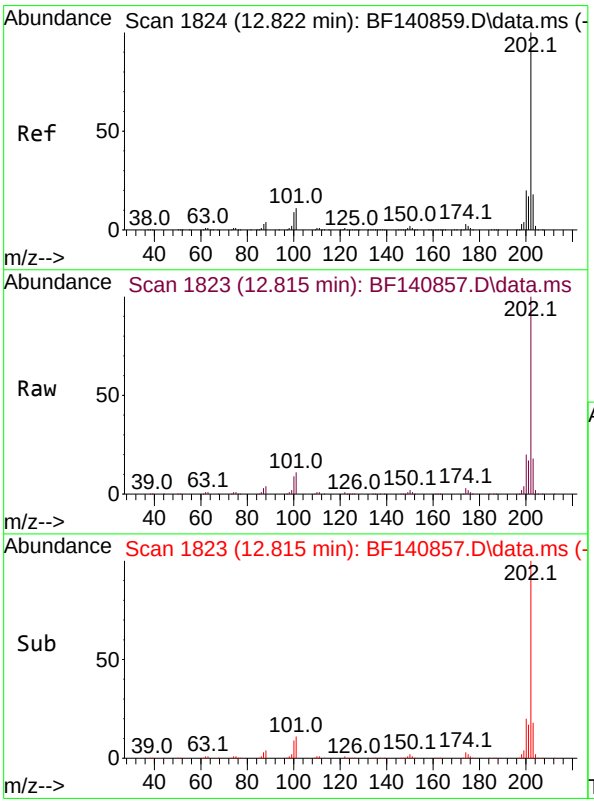

#77
Benzidine
Concen: 7.818 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:184 Resp: 45074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 11.0 | 9.0 | 13.4 |

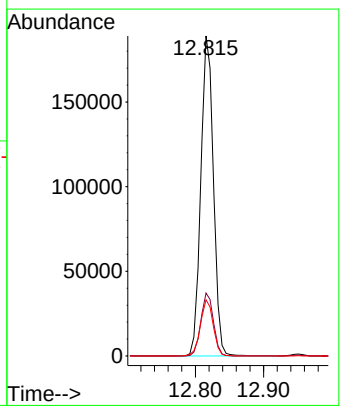


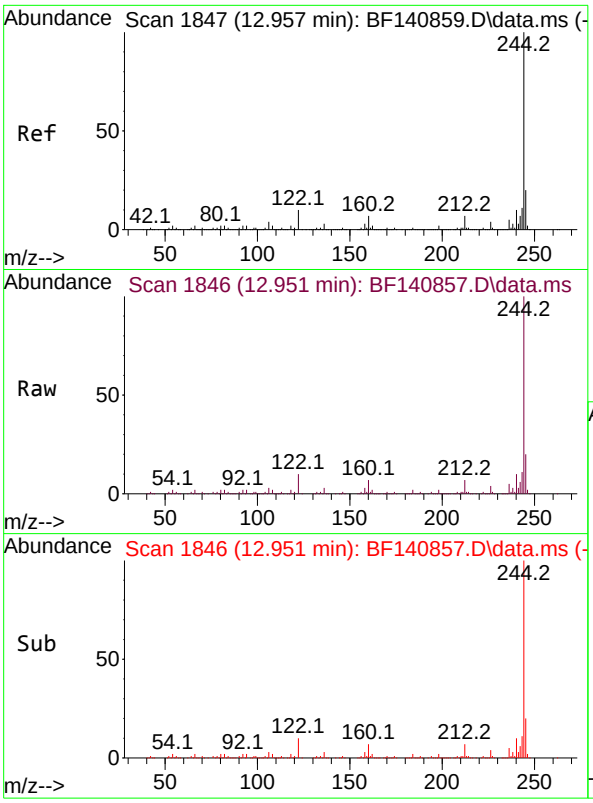




#78
Pyrene
Concen: 9.663 ng
RT: 12.815 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:202 Resp: 242761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 16.1 | 24.1 |
| 203 | 17.5 | 14.2 | 21.4 |



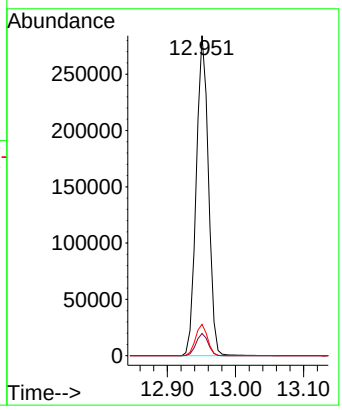


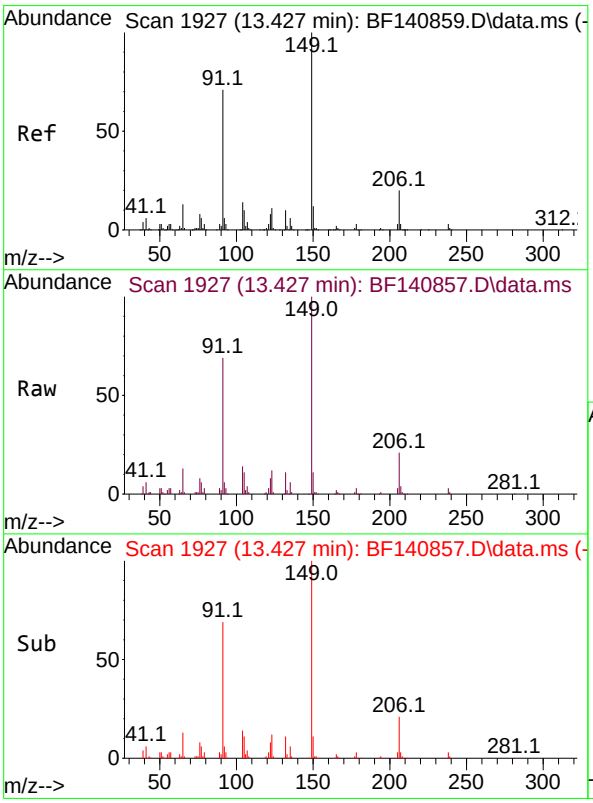

#79
Terphenyl-d14
Concen: 19.670 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:244 Resp: 352398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 9.8 | 8.2 | 12.2 |

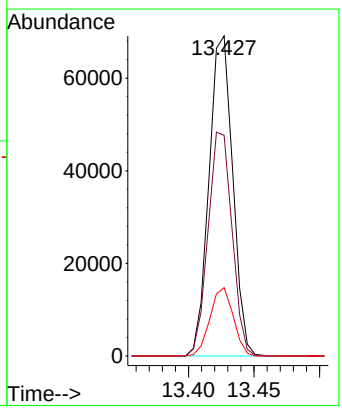


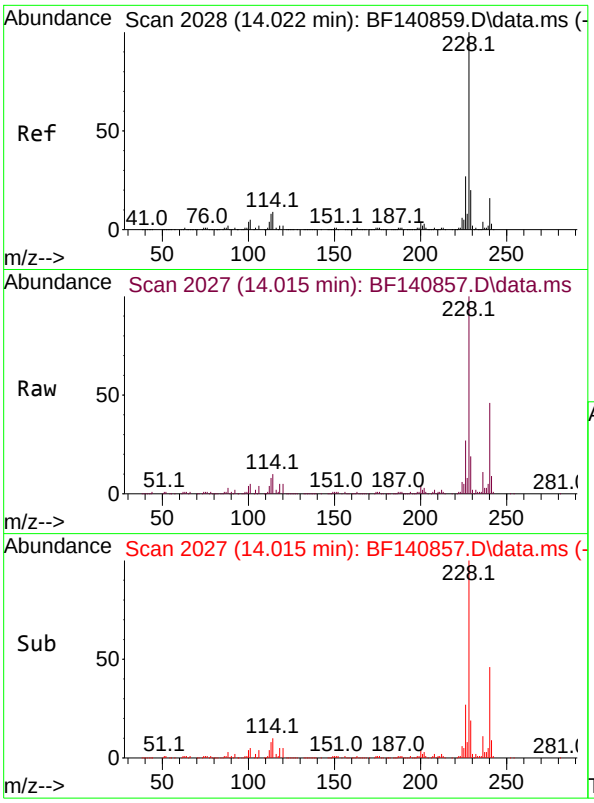




#80
Butylbenzylphthalate
Concen: 9.411 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 86987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.0 | 56.7 | 85.1 |
| 206 | 21.4 | 16.4 | 24.6 |



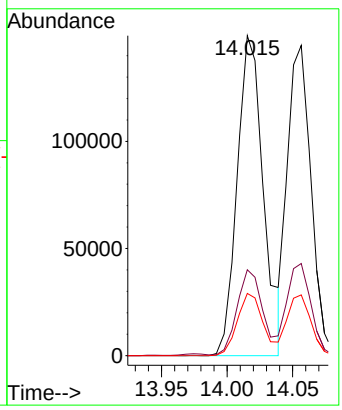


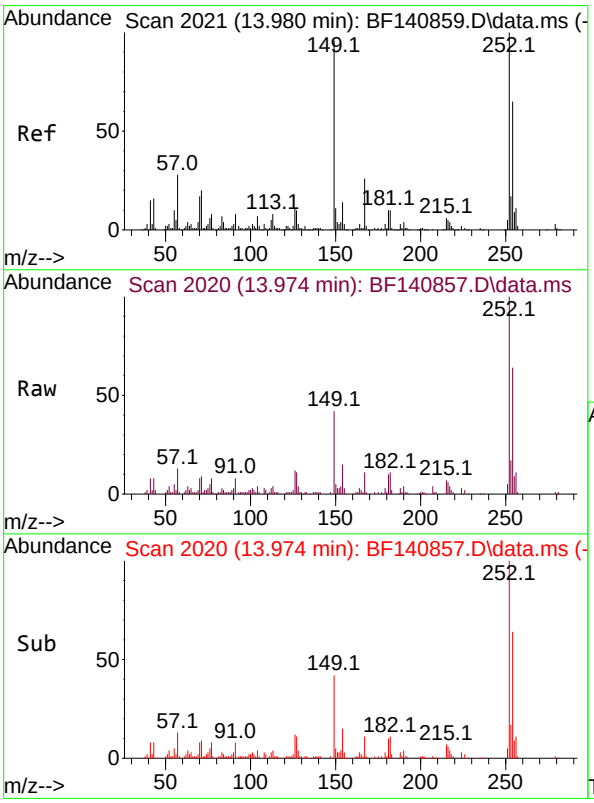

#81
Benzo(a)anthracene
Concen: 10.395 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:228 Resp: 208127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.5 | 15.8 | 23.8 |

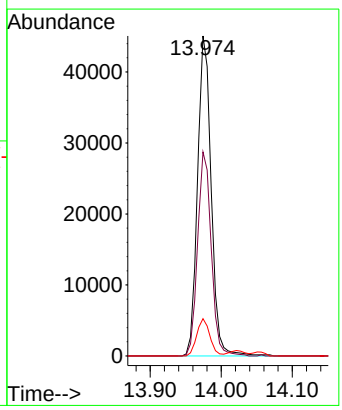


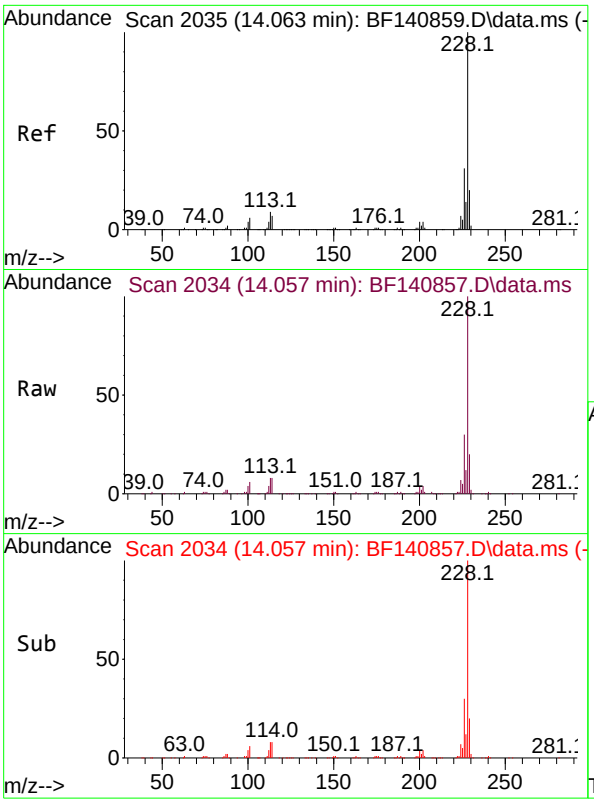




#82
3,3'-Dichlorobenzidine
Concen: 9.994 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 60368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.7 | 52.3 | 78.5 |
| 126 | 11.7 | 8.4 | 12.6 |



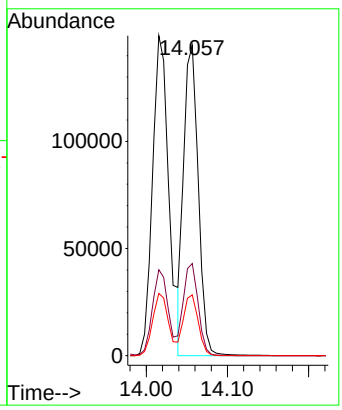


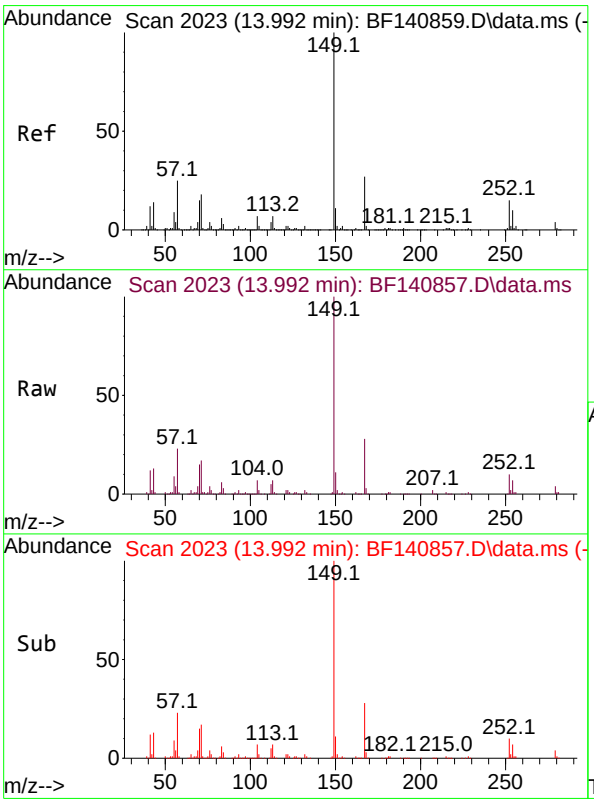

#83
Chrysene
Concen: 9.963 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:228 Resp: 181387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |

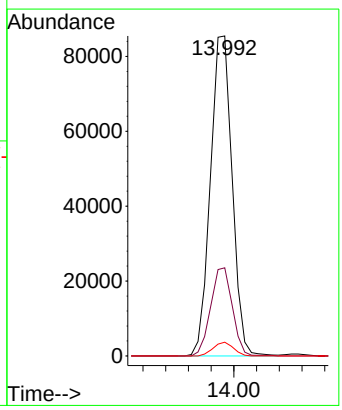


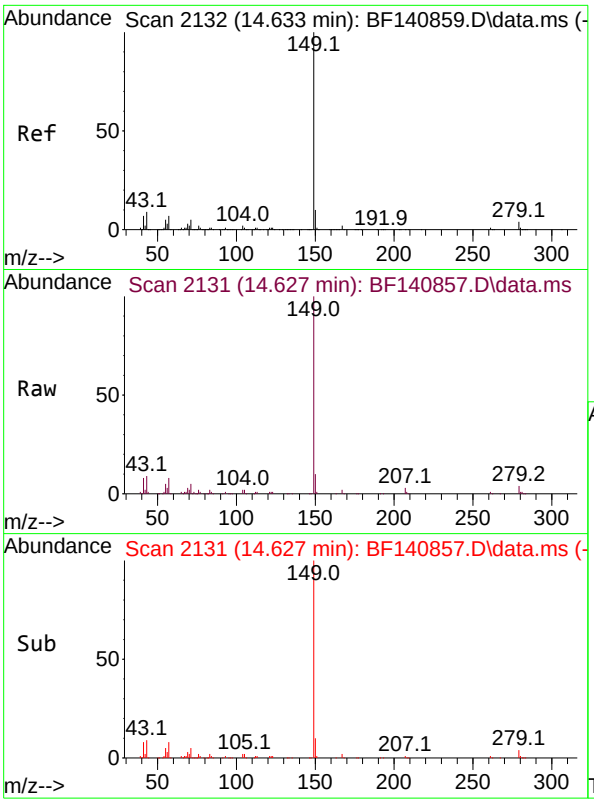




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.562 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 113963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |



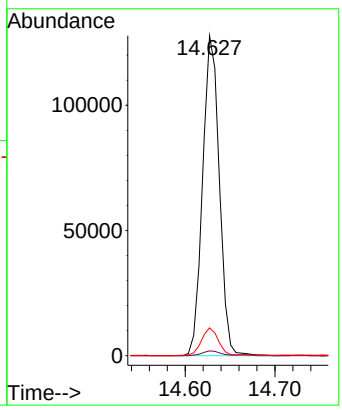


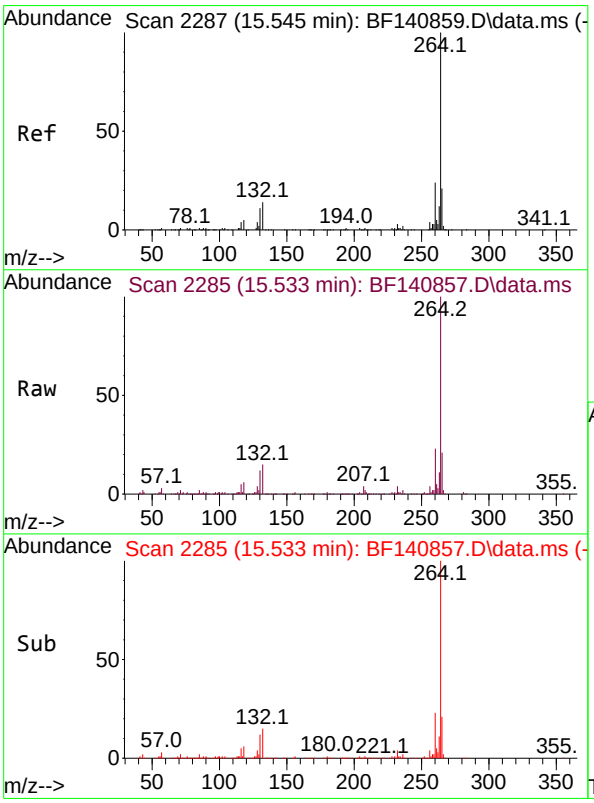

#85
Di-n-octyl phthalate
Concen: 9.161 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:149 Resp: 165198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.1 | 7.0 | 10.6 |

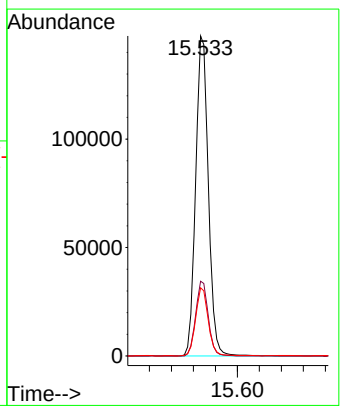


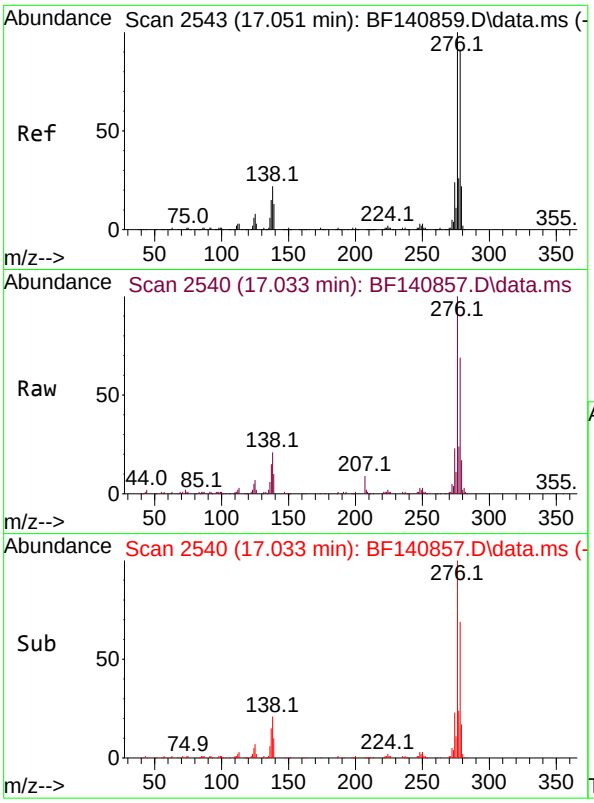




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:264 Resp: 236486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.1 | 28.7 |
| 265 | 21.3 | 17.0 | 25.4 |



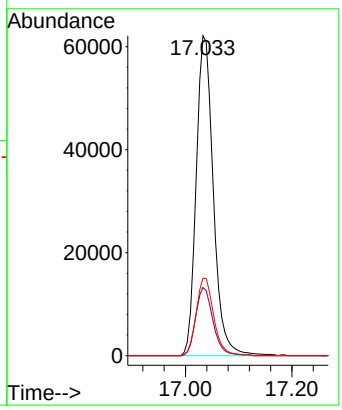


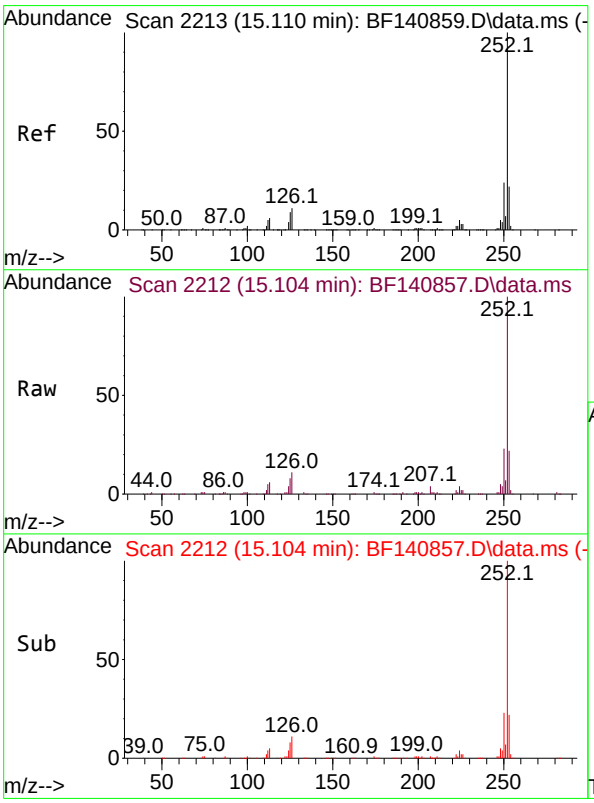

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.405 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:276 Resp: 138792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.6 | 16.9 | 25.3 |
| 277 | 24.7 | 20.2 | 30.4 |

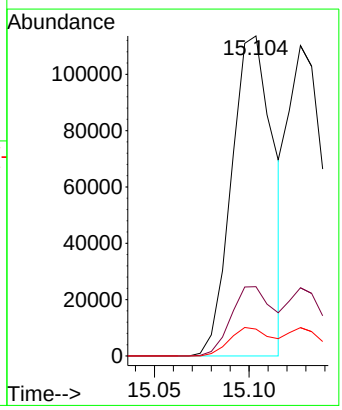


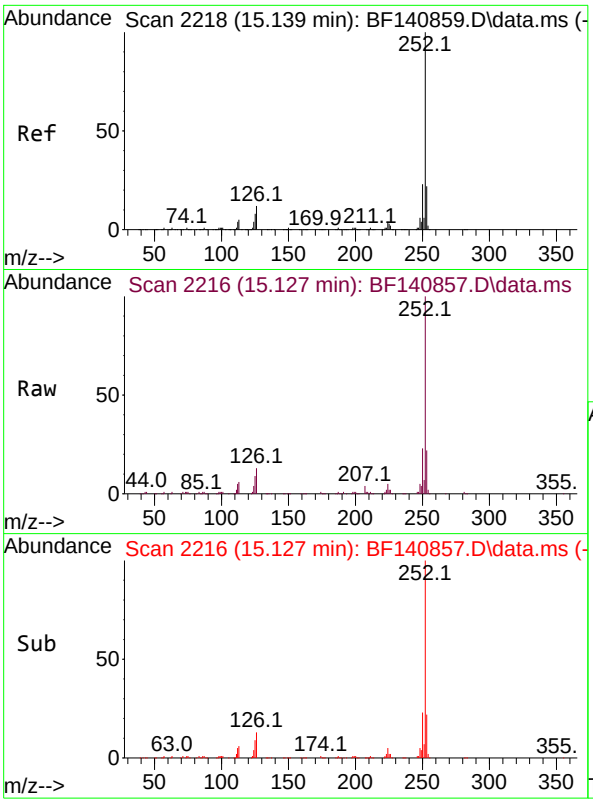




#88
Benzo(b)fluoranthene
Concen: 10.558 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 173313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 8.4 | 7.0 | 10.4 |



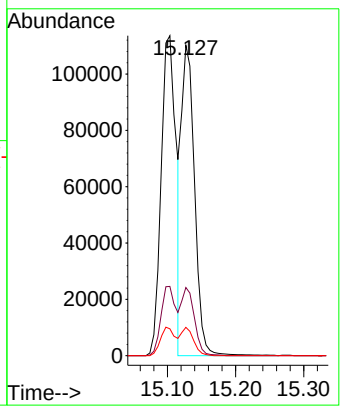


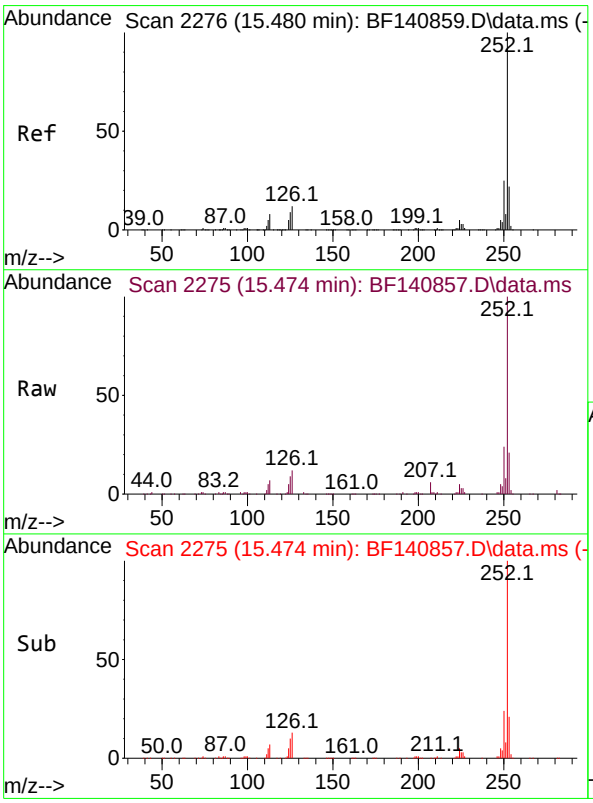

#89
Benzo(k)fluoranthene
Concen: 10.499 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:252 Resp: 147840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 9.1 | 6.8 | 10.2 |

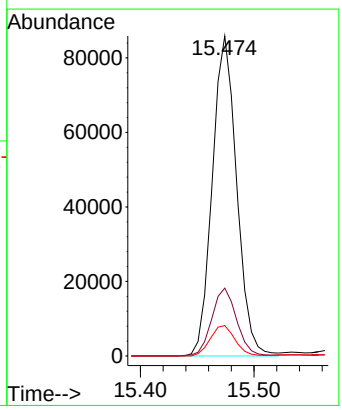


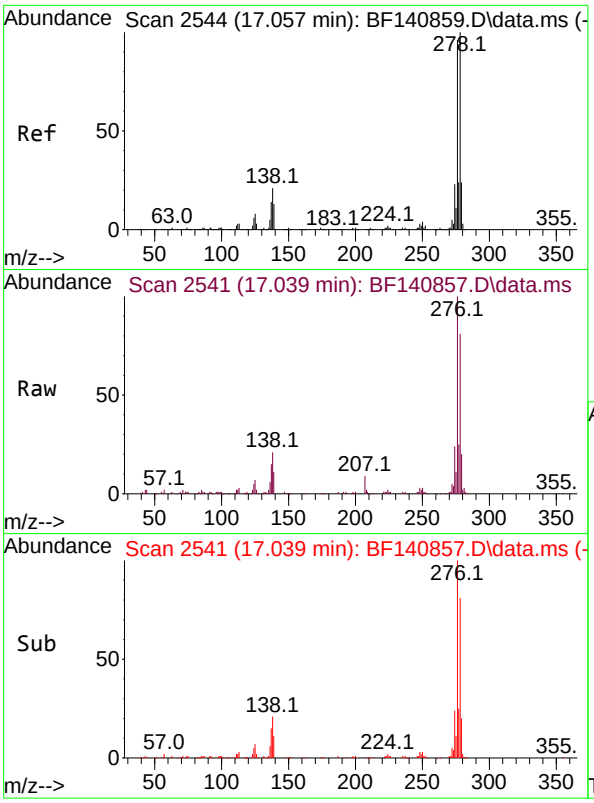




#90
Benzo(a)pyrene
Concen: 9.973 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 128194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.5 | 26.3 |
| 125 | 9.5 | 7.5 | 11.3 |



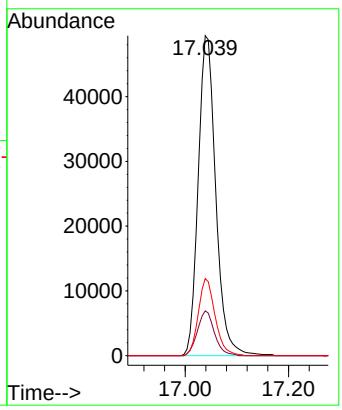


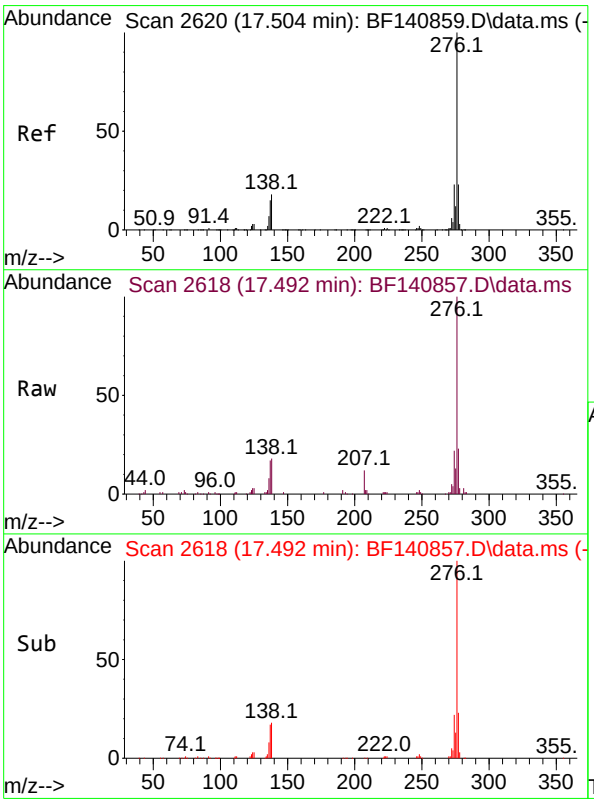

#91
Dibenzo(a,h)anthracene
Concen: 9.532 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:278 Resp: 116533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.0 | 10.6 | 16.0 |
| 279 | 24.1 | 19.2 | 28.8 |

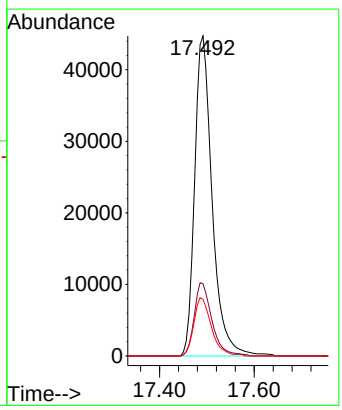



#92
Benzo(g,h,i)perylene
Concen: 9.240 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:276 Resp: 114976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.6 | 18.7 | 28.1 |
| 138 | 17.7 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.846 | 152 | 71395 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 269448 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.881 | 164 | 153586 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 299699 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 234229 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.563 | 264 | 220576 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 182586 | 42.100 | ng | | 0.00 |
| 7) Phenol-d6 | 6.493 | 99 | 237156 | 41.285 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.410 | 82 | 226356 | 42.030 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.675 | 330 | 74311 | 40.909 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 472330 | 42.281 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 570640 | 38.416 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 38355 | 20.532 | ng | | 96 |
| 3) Pyridine | 3.405 | 79 | 91704 | 21.197 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 44712 | 20.501 | ng | | 97 |
| 6) Aniline | 6.516 | 93 | 103355 | 21.043 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.640 | 128 | 96909 | 20.490 | ng | | 98 |
| 9) Benzaldehyde | 6.404 | 77 | 70862 | 22.263 | ng | | 98 |
| 10) Phenol | 6.510 | 94 | 123728 | 20.782 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 91473 | 20.602 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 111145 | 20.624 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 113006 | 20.658 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 107719 | 20.870 | ng | | 97 |
| 15) Benzyl Alcohol | 6.998 | 79 | 88251 | 21.487 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 108472 | 20.739 | ng | | 89 |
| 17) 2-Methylphenol | 7.110 | 107 | 77132 | 20.427 | ng | | 97 |
| 18) Hexachloroethane | 7.351 | 117 | 41766 | 20.509 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.257 | 70 | 71344 | 20.705 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 102814 | 20.534 | ng | # | 88 |
| 22) Acetophenone | 7.257 | 105 | 140187 | 20.798 | ng | | 98 |
| 24) Nitrobenzene | 7.434 | 77 | 114486 | 20.750 | ng | | 98 |
| 25) Isophorone | 7.669 | 82 | 185900 | 20.601 | ng | | 100 |
| 26) 2-Nitrophenol | 7.751 | 139 | 52133 | 20.516 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.787 | 122 | 60750 | 20.471 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 115605 | 20.512 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 84299 | 20.575 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 96194 | 20.481 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 303425 | 20.500 | ng | | 99 |
| 32) Benzoic acid | 7.910 | 122 | 51770 | 18.394 | ng | | 97 |
| 33) 4-Chloroaniline | 8.204 | 127 | 101583 | 20.664 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 65803 | 20.824 | ng | | 99 |
| 35) Caprolactam | 8.569 | 113 | 24344 | 19.958 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.693 | 107 | 93611 | 20.300 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.840 | 142 | 199492 | 20.375 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.940 | 142 | 193053 | 19.937 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 98517 | 20.869 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.987 | 237 | 18486 | 21.391 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 59284 | 20.509 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

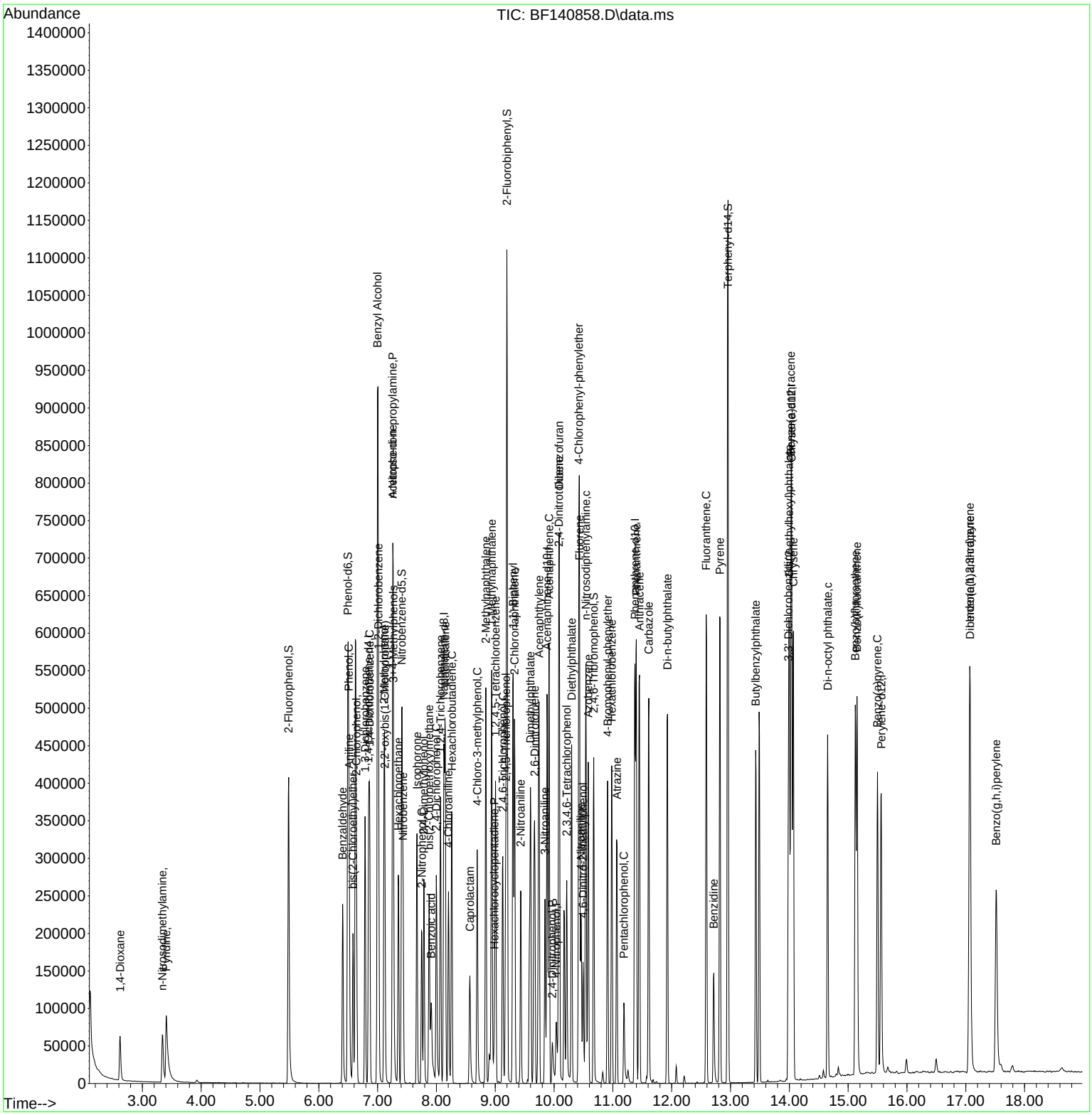
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 65450 | 20.600 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 251662 | 20.606 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.328 | 162 | 192611 | 20.615 | ng | 98 |
| 48) 2-Nitroaniline | 9.434 | 65 | 57140 | 20.250 | ng | 99 |
| 49) Acenaphthylene | 9.745 | 152 | 288710 | 21.027 | ng | 99 |
| 50) Dimethylphthalate | 9.598 | 163 | 220880 | 20.399 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 50302 | 20.321 | ng | 97 |
| 52) Acenaphthene | 9.916 | 154 | 179112 | 20.422 | ng | 99 |
| 53) 3-Nitroaniline | 9.845 | 138 | 50453 | 20.538 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 16571 | 19.139 | ng | 96 |
| 55) Dibenzofuran | 10.087 | 168 | 281092 | 20.683 | ng | 98 |
| 56) 4-Nitrophenol | 10.039 | 139 | 20392 | 19.017 | ng | 90 |
| 57) 2,4-Dinitrotoluene | 10.081 | 165 | 67570 | 20.746 | ng | 100 |
| 58) Fluorene | 10.434 | 166 | 229160 | 20.439 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 52966 | 20.459 | ng | 98 |
| 60) Diethylphthalate | 10.298 | 149 | 229798 | 20.466 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 116545 | 20.693 | ng | 97 |
| 62) 4-Nitroaniline | 10.457 | 138 | 52016 | 20.263 | ng | 97 |
| 63) Azobenzene | 10.581 | 77 | 214137 | 20.286 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 32520 | 19.149 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 192873 | 20.932 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 70804 | 21.118 | ng | 99 |
| 68) Hexachlorobenzene | 10.981 | 284 | 80189 | 21.095 | ng | 99 |
| 69) Atrazine | 11.069 | 200 | 57872 | 22.488 | ng | 99 |
| 70) Pentachlorophenol | 11.186 | 266 | 24650m | 17.726 | ng | |
| 71) Phenanthrene | 11.398 | 178 | 321392 | 20.854 | ng | 100 |
| 72) Anthracene | 11.451 | 178 | 315664 | 20.798 | ng | 99 |
| 73) Carbazole | 11.610 | 167 | 307615 | 20.692 | ng | 99 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 369257 | 21.164 | ng | 99 |
| 75) Fluoranthene | 12.586 | 202 | 374894 | 21.122 | ng | 100 |
| 77) Benzidine | 12.716 | 184 | 93986 | 19.660 | ng | 99 |
| 78) Pyrene | 12.822 | 202 | 386539 | 18.558 | ng | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 145401 | 18.972 | ng | 97 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 332845 | 20.050 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 105124 | 20.989 | ng | 97 |
| 83) Chrysene | 14.069 | 228 | 319417 | 21.160 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149 | 204953 | 20.740 | ng | 97 |
| 85) Di-n-octyl phthalate | 14.651 | 149 | 315841 | 21.125 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 293402 | 21.315 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.121 | 252 | 319848 | 20.890 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.151 | 252 | 269871 | 20.548 | ng | 99 |
| 90) Benzo(a)pyrene | 15.498 | 252 | 250110 | 20.861 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 240810 | 21.117 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.515 | 276 | 241228 | 20.785 | ng | 99 |

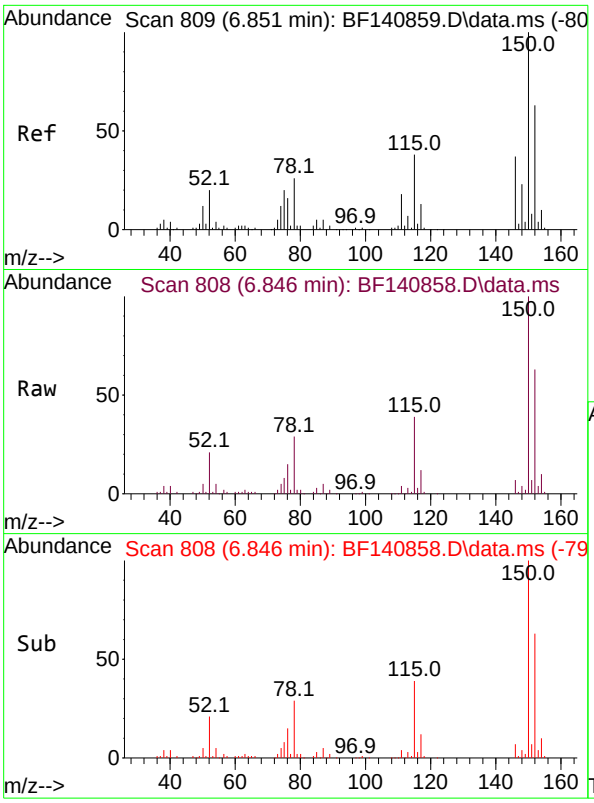
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



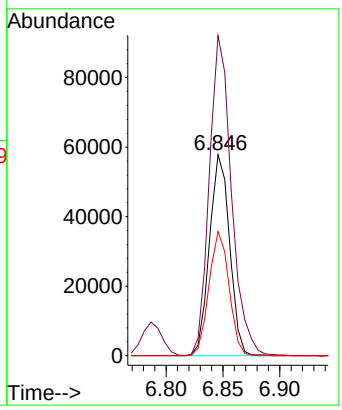


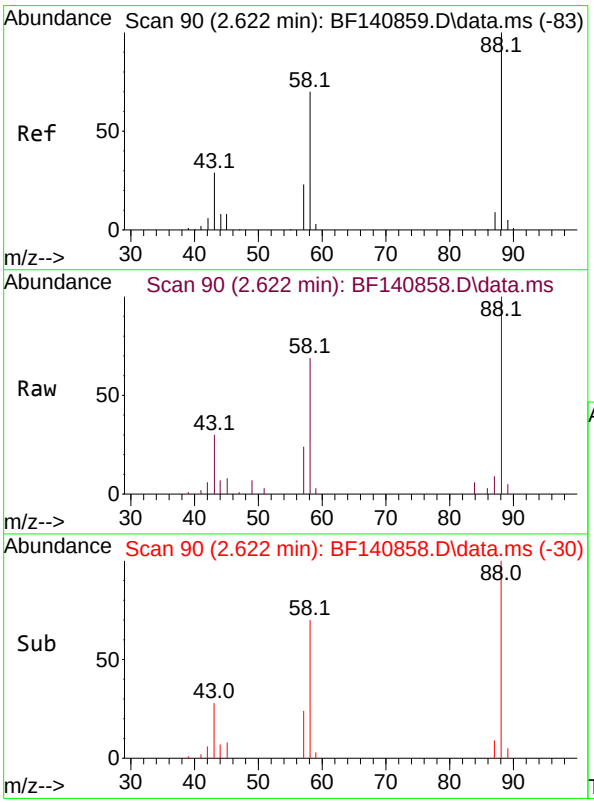

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:152 Resp: 71395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.2 | 127.9 | 191.9 |
| 115 | 61.8 | 48.0 | 72.0 |

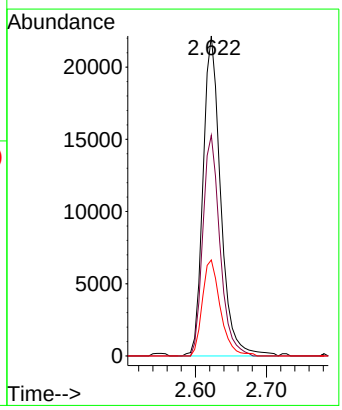


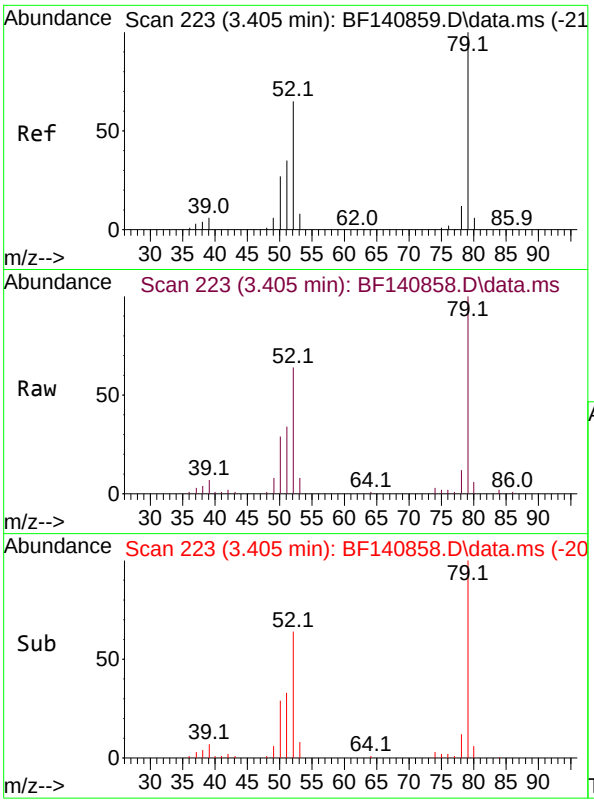




#2
1,4-Dioxane
Concen: 20.532 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 88 Resp: 38355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 66.7 | 55.8 | 83.8 |
| 43 | 30.7 | 22.7 | 34.1 |



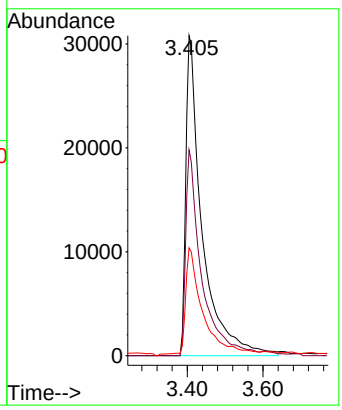


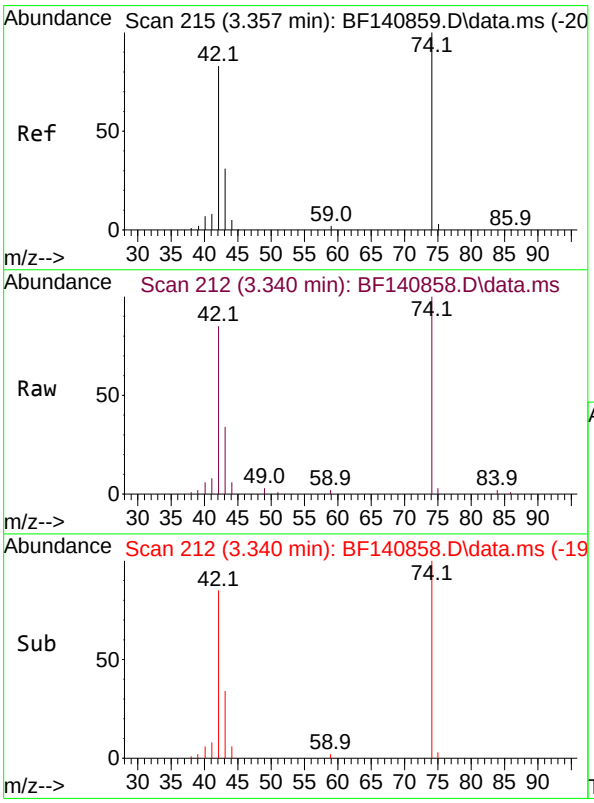

#3
Pyridine
Concen: 21.197 ng
RT: 3.405 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 79 Resp: 91704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.3 | 51.7 | 77.5 |
| 51 | 33.7 | 28.2 | 42.4 |

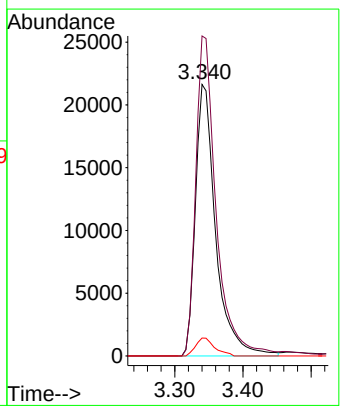


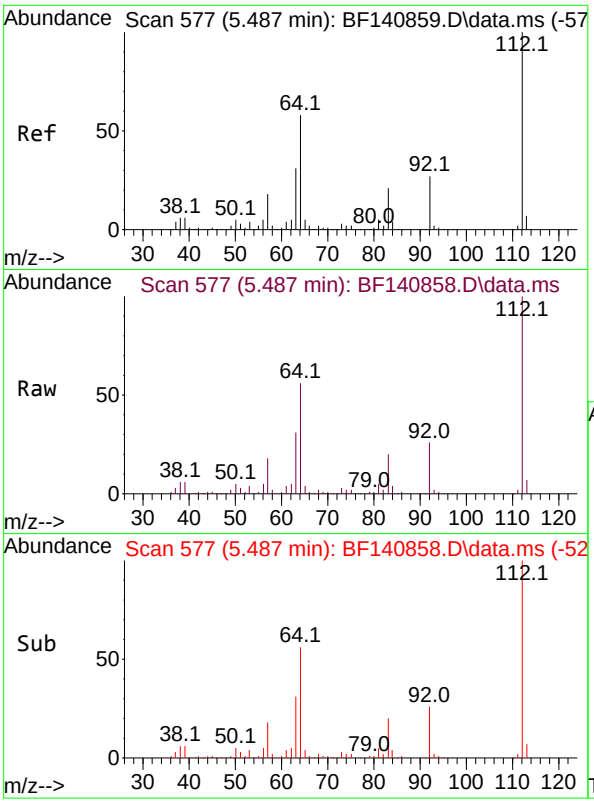




#4
n-Nitrosodimethylamine
Concen: 20.501 ng
RT: 3.340 min Scan# 212
Delta R.T. -0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 42 Resp: 44712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 117.8 | 96.9 | 145.3 |
| 44 | 6.6 | 4.4 | 6.6 |



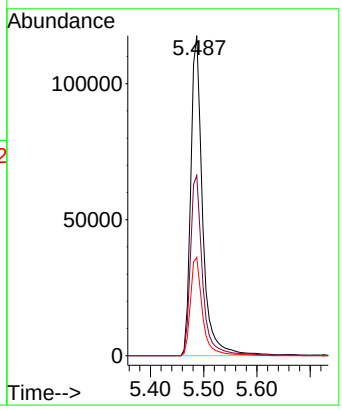


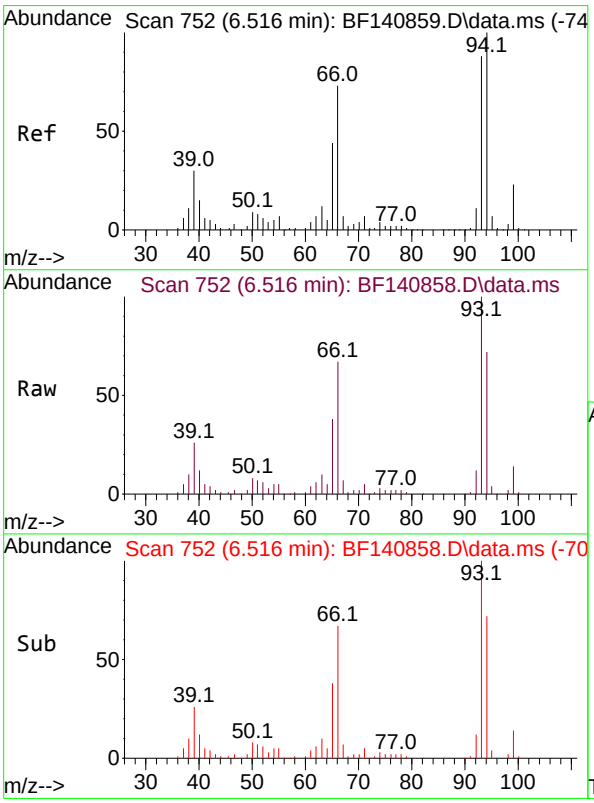

#5
2-Fluorophenol
Concen: 42.100 ng
RT: 5.487 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:112 Resp: 182586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 46.1 | 69.1 |
| 63 | 30.7 | 24.9 | 37.3 |

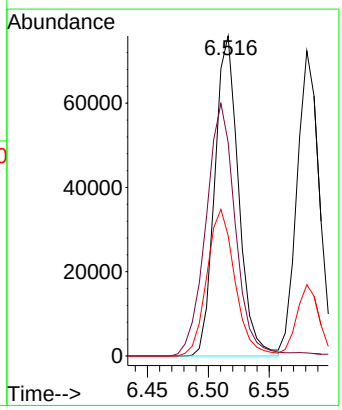


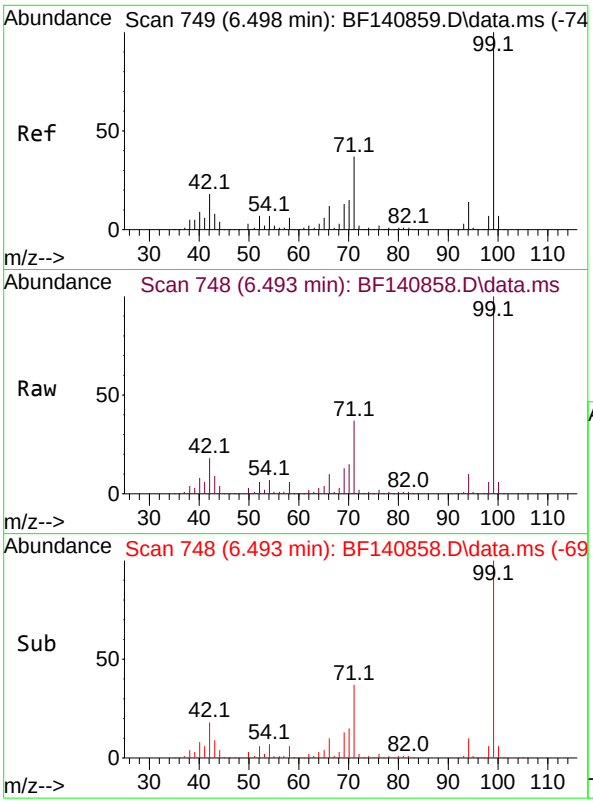




#6
Aniline
Concen: 21.043 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 93 Resp: 103355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 66.9 | 67.0 | 100.4# |
| 65 | 37.7 | 40.4 | 60.6# |



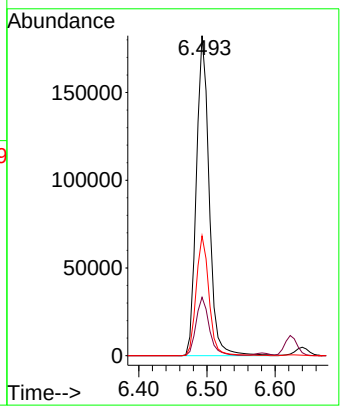


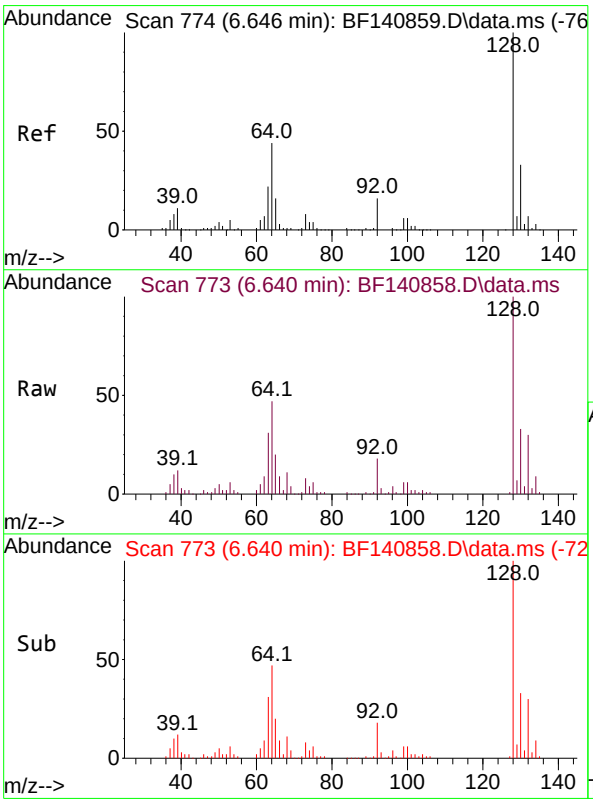

#7
Phenol-d6
Concen: 41.285 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 99 Resp: 237156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 14.3 | 21.5 |
| 71 | 37.4 | 29.9 | 44.9 |

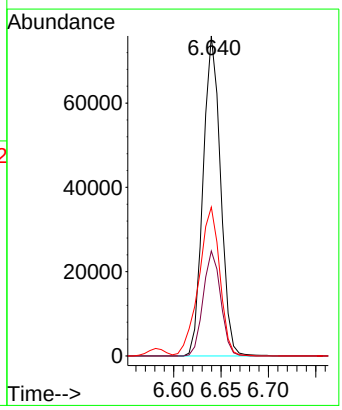


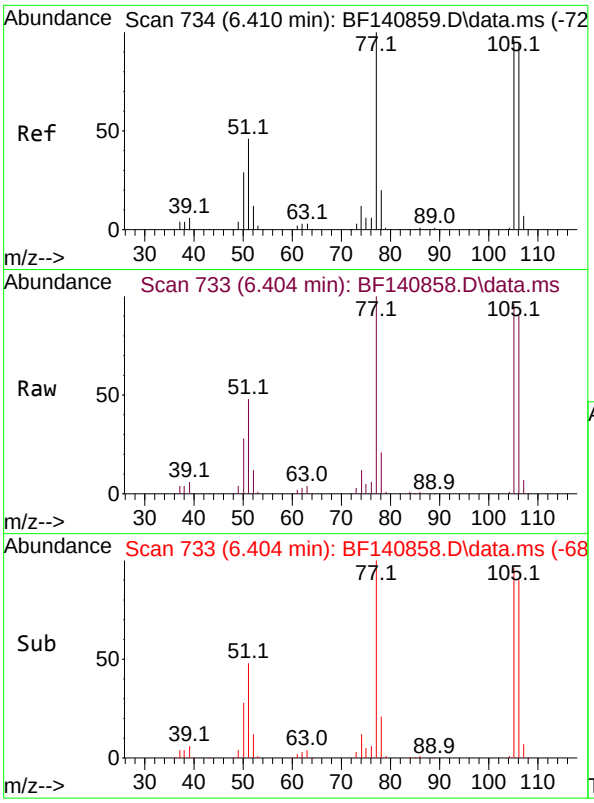




#8
2-Chlorophenol
Concen: 20.490 ng
RT: 6.640 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:128 Resp: 96909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.9 | 52.9 |
| 64 | 46.5 | 24.3 | 64.3 |



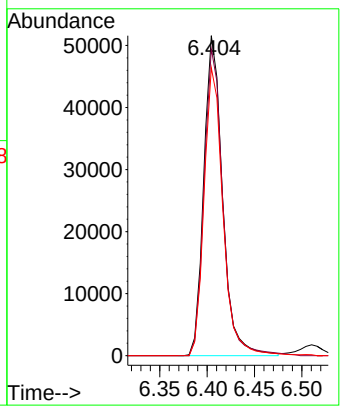


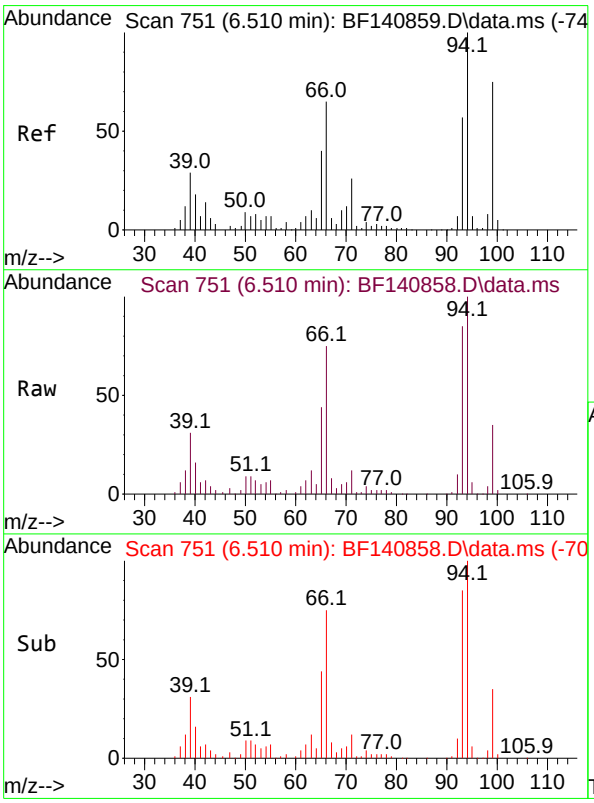

#9
Benzaldehyde
Concen: 22.263 ng
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 77 Resp: 70862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.9 | 75.8 | 115.8 |
| 106 | 89.9 | 74.1 | 114.1 |

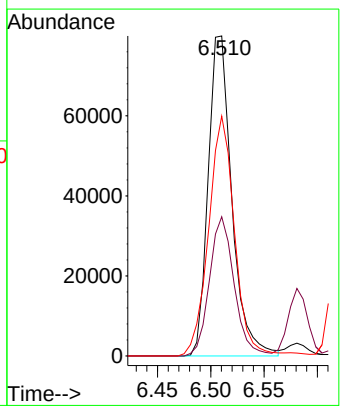


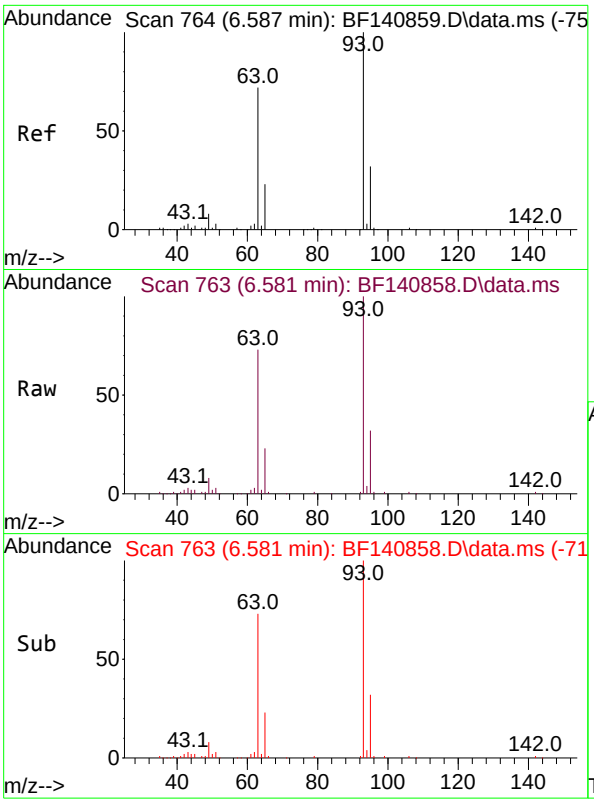




#10
Phenol
Concen: 20.782 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 94 Resp: 123728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.5 | 19.9 | 59.9 |
| 66 | 75.0 | 45.6 | 85.6 |



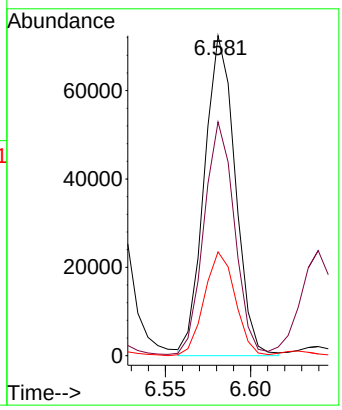


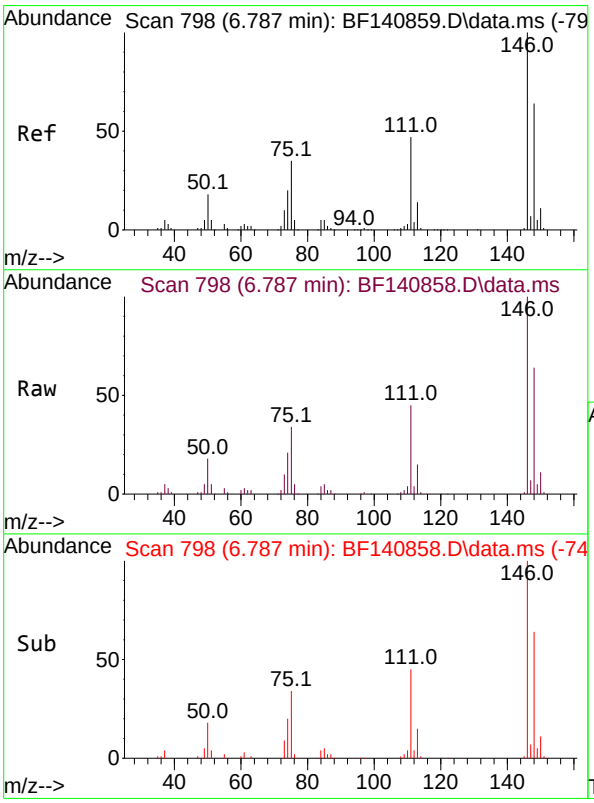

#11
bis(2-Chloroethyl)ether
Concen: 20.602 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 93 Resp: 91473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.0 | 51.0 | 91.0 |
| 95 | 32.5 | 12.0 | 52.0 |

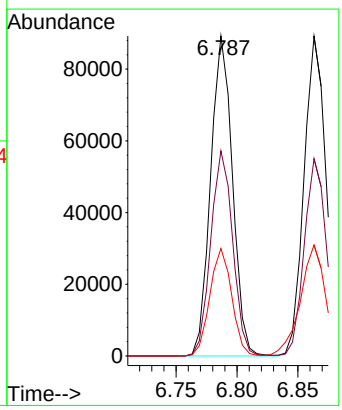


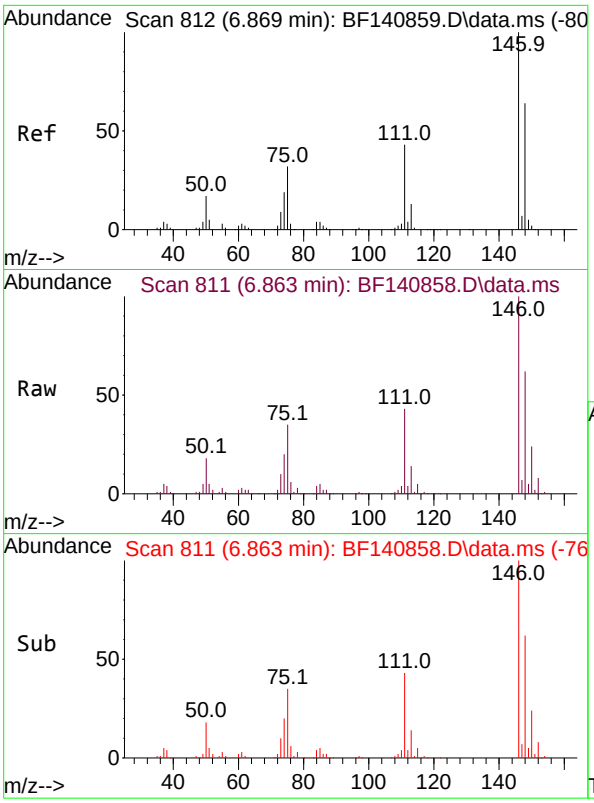




#12
1,3-Dichlorobenzene
Concen: 20.624 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:146 Resp: 111145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 75 | 33.6 | 28.1 | 42.1 |



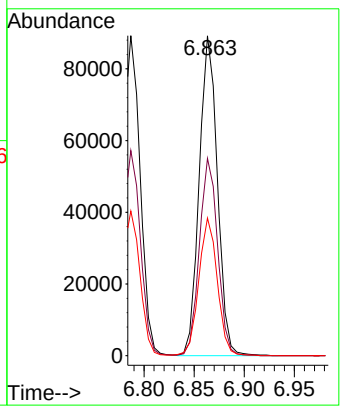


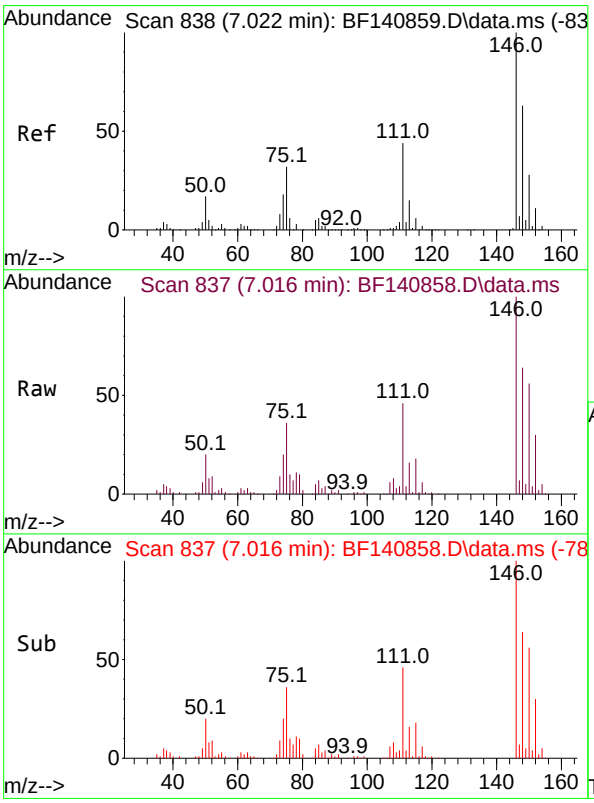

#13
1,4-Dichlorobenzene
Concen: 20.658 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:146 Resp: 113006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 51.3 | 76.9 |
| 111 | 43.0 | 34.4 | 51.6 |

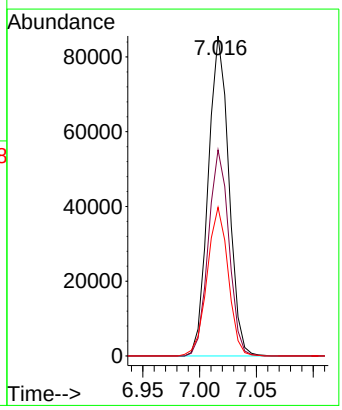


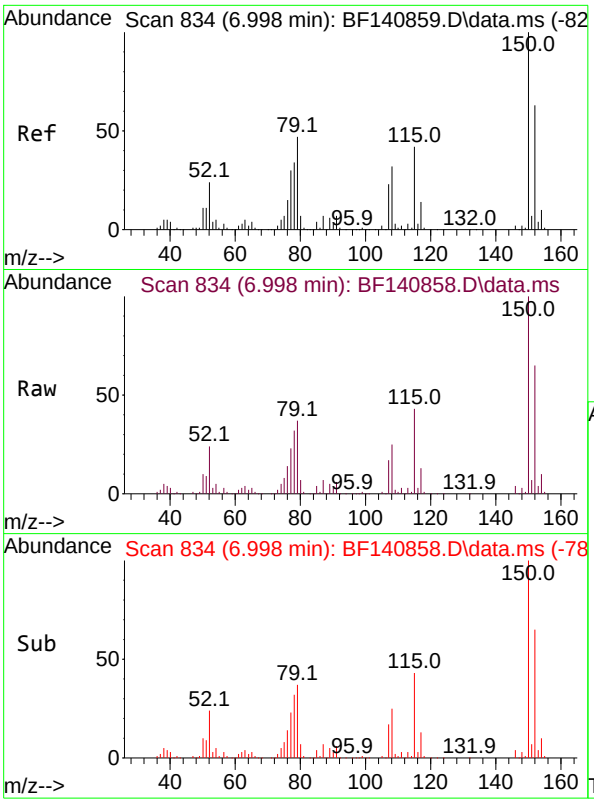




#14
1,2-Dichlorobenzene
Concen: 20.870 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:146 Resp: 107719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.0 | 75.0 |
| 111 | 46.4 | 35.6 | 53.4 |



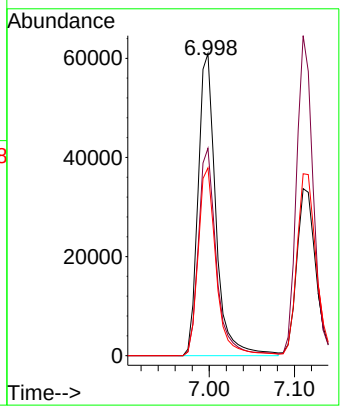


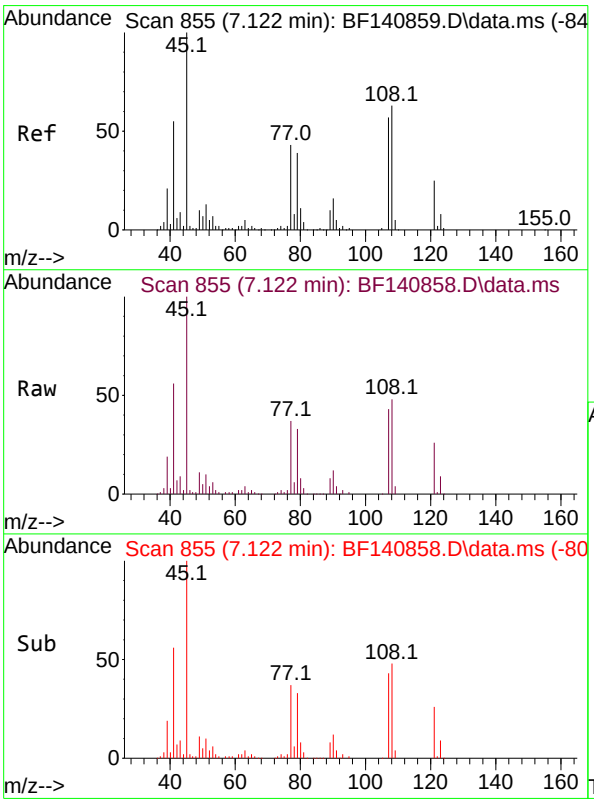

#15
Benzyl Alcohol
Concen: 21.487 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 79 Resp: 88251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 68.6 | 55.1 | 82.7 |
| 77 | 62.2 | 50.6 | 76.0 |

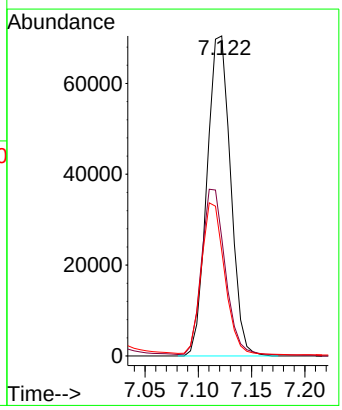


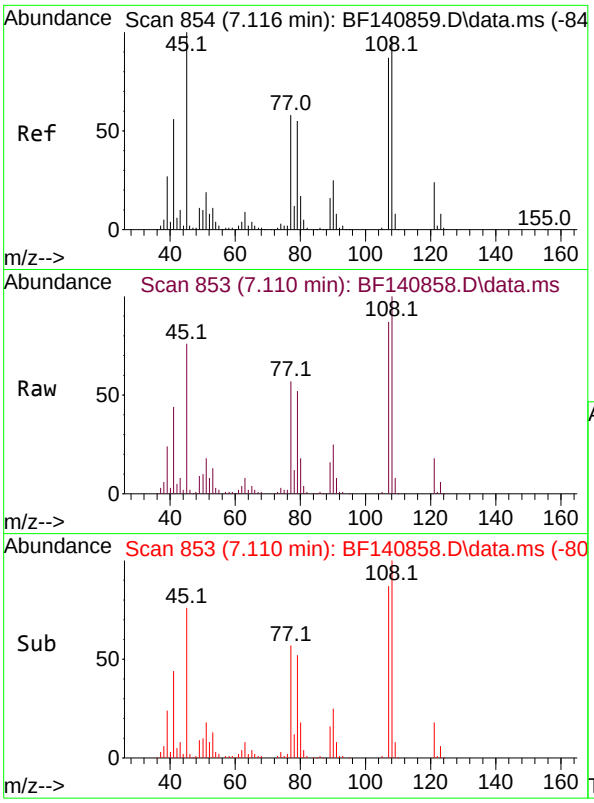




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.739 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 45 Resp: 108472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 37.0 | 23.3 | 63.3 |
| 79 | 32.9 | 20.0 | 60.0 |



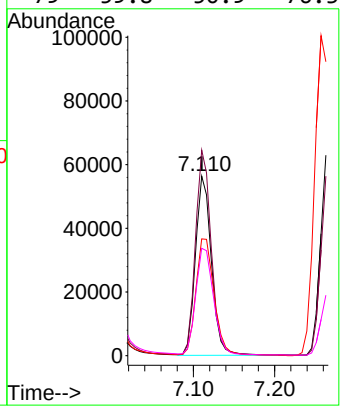


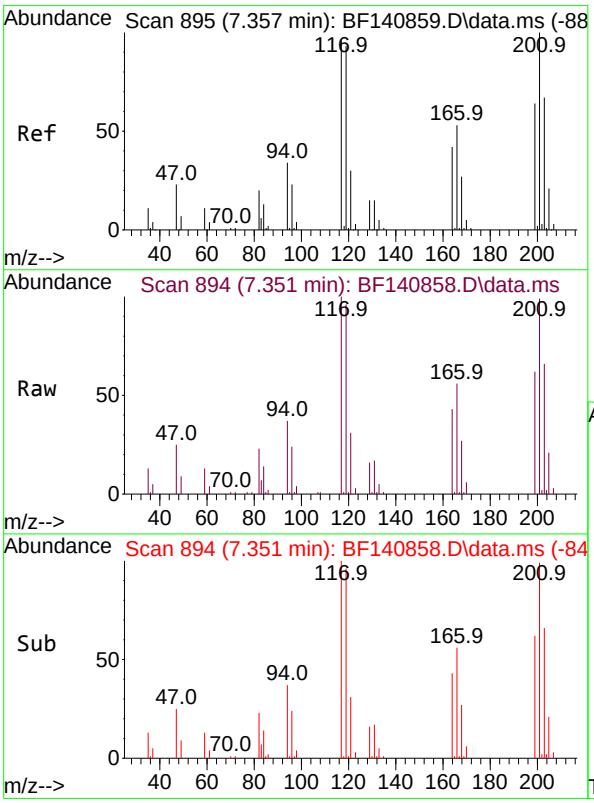

#17
2-Methylphenol
Concen: 20.427 ng
RT: 7.110 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:107 Resp: 77132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 90.2 | 135.4 |
| 77 | 65.1 | 53.8 | 80.6 |
| 79 | 59.8 | 50.9 | 76.3 |

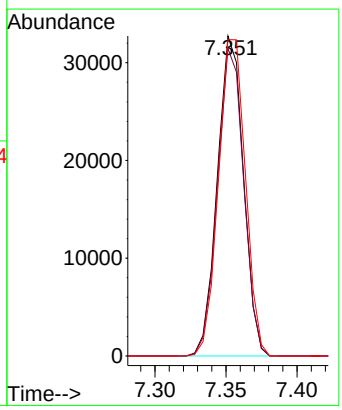


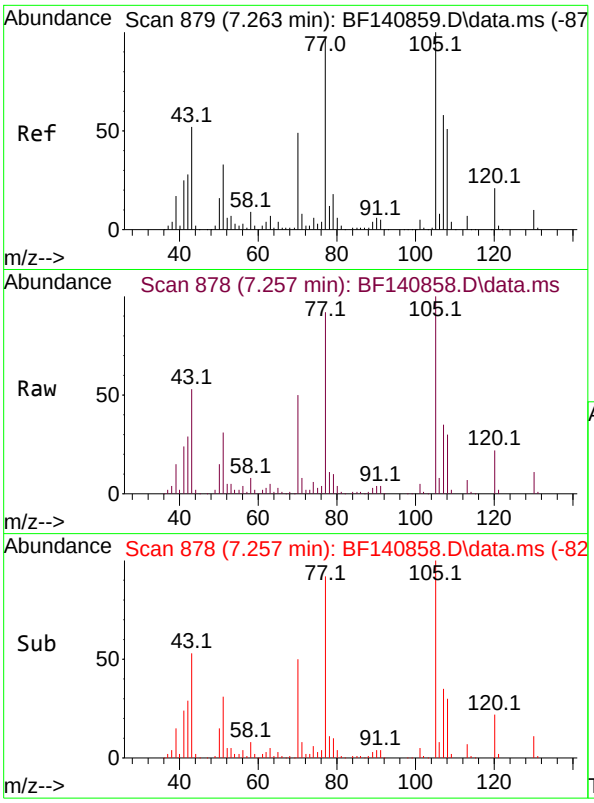




#18
Hexachloroethane
Concen: 20.509 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:117 Resp: 41766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.4 | 116.0 |
| 201 | 98.9 | 83.4 | 125.0 |



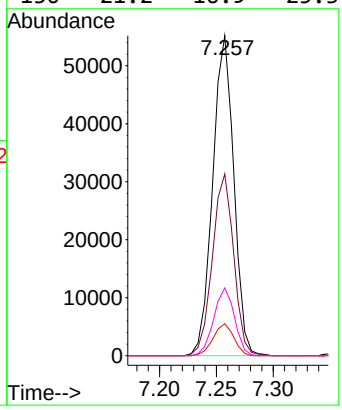


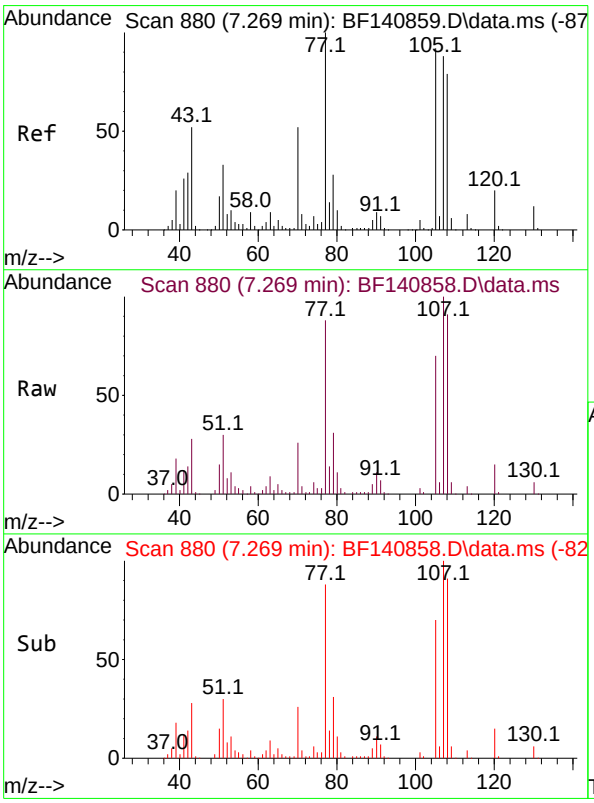

#19
n-Nitroso-di-n-propylamine
Concen: 20.705 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 70 Resp: 71344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.8 | 45.3 | 67.9 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.2 | 16.9 | 25.3 |

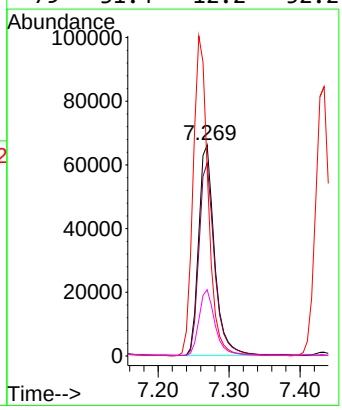


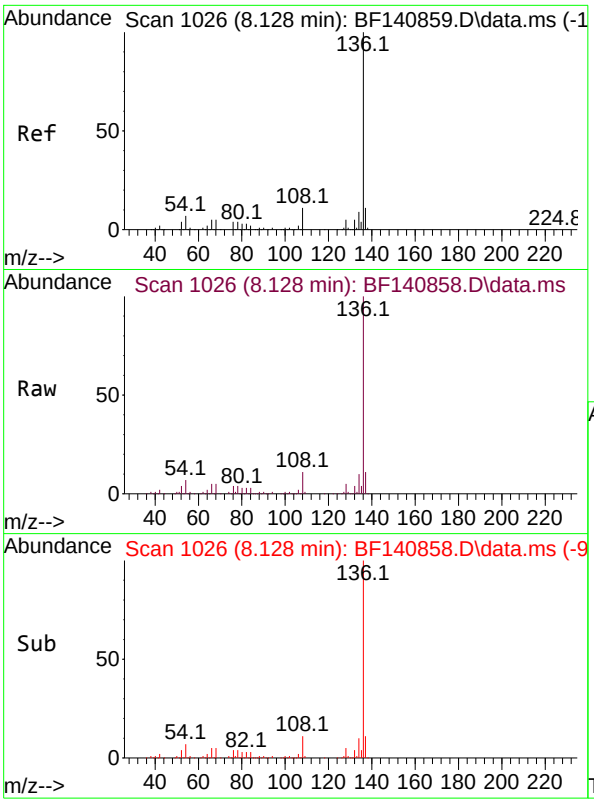




#20
3+4-Methylphenols
Concen: 20.534 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:107 Resp: 102814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 70.1 | 110.1 |
| 77 | 88.5 | 94.4 | 134.4# |
| 79 | 31.4 | 12.2 | 52.2 |



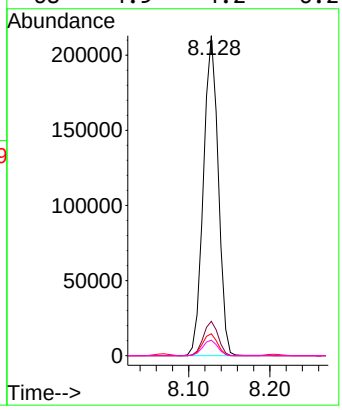


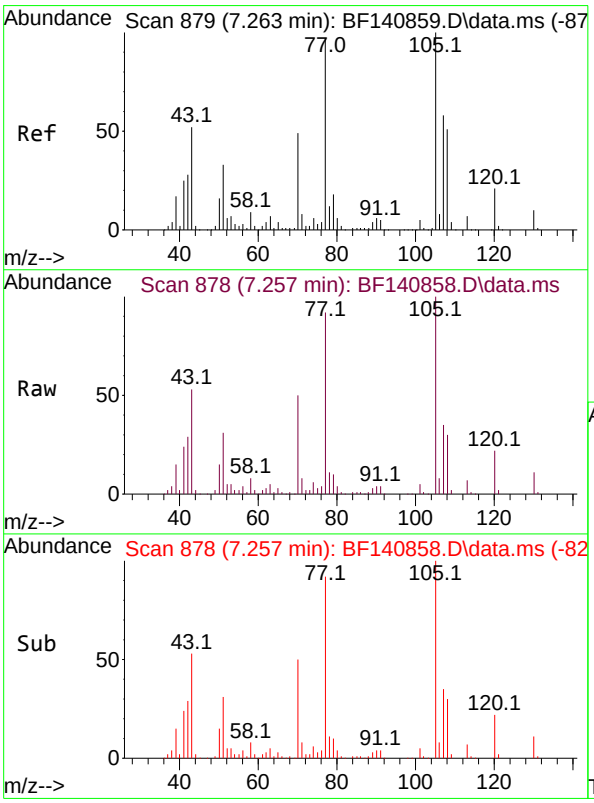

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:136 Resp: 269448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.8 | 5.6 | 8.4 |
| 68 | 4.9 | 4.2 | 6.2 |

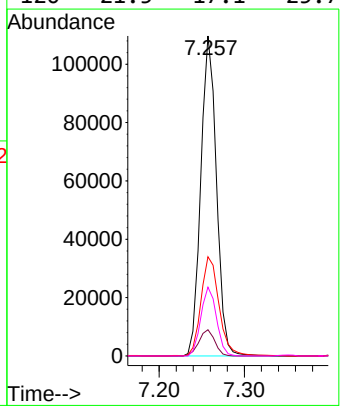


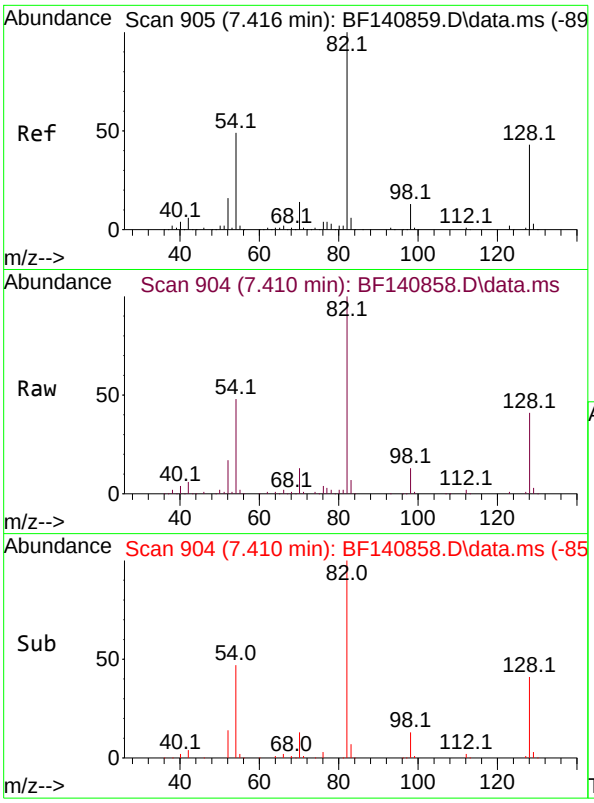




#22
Acetophenone
Concen: 20.798 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:105 Resp: 140187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 6.2 | 9.4 |
| 51 | 31.0 | 26.3 | 39.5 |
| 120 | 21.5 | 17.1 | 25.7 |



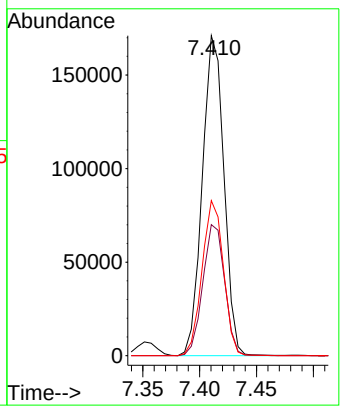


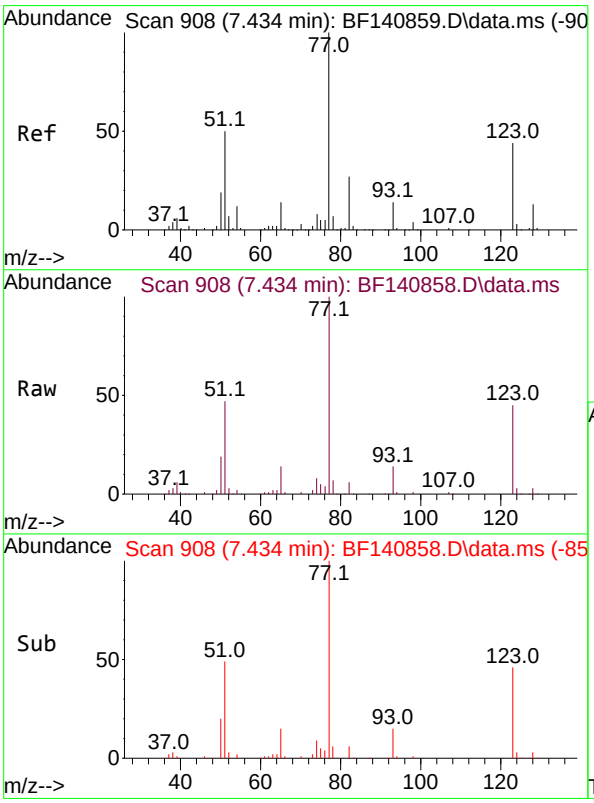

#23
Nitrobenzene-d5
Concen: 42.030 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 82 Resp: 226356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.9 | 34.4 | 51.6 |
| 54 | 48.5 | 38.8 | 58.2 |

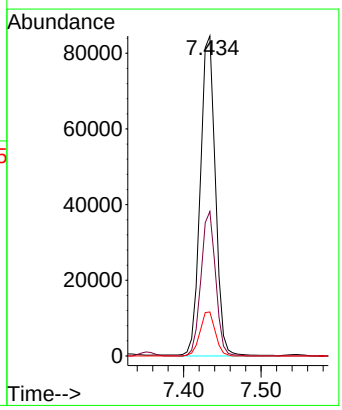


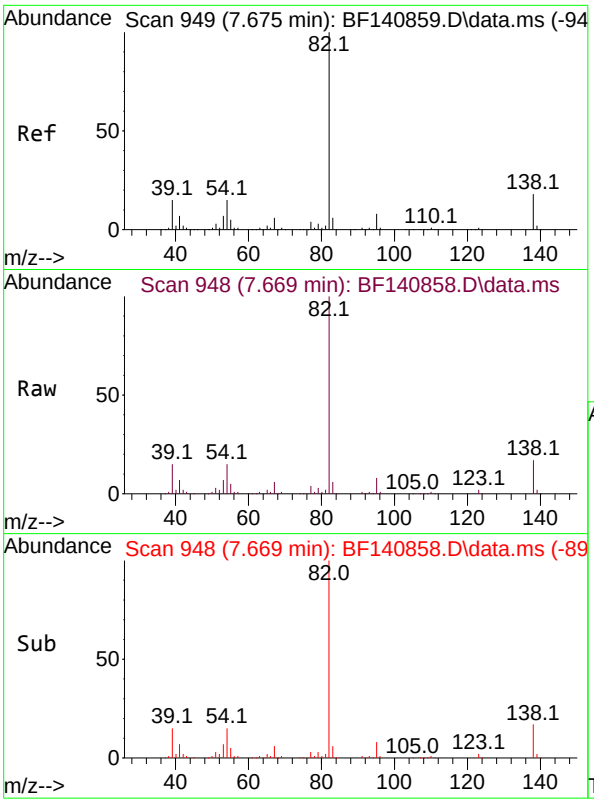




#24
Nitrobenzene
Concen: 20.750 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 77 Resp: 114486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.2 | 35.0 | 52.4 |
| 65 | 13.7 | 11.4 | 17.0 |



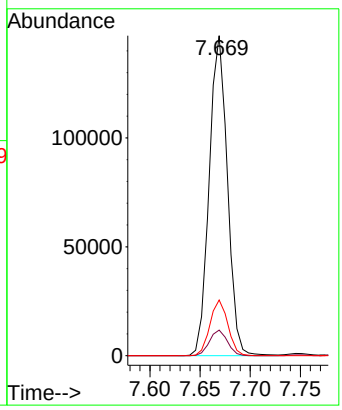


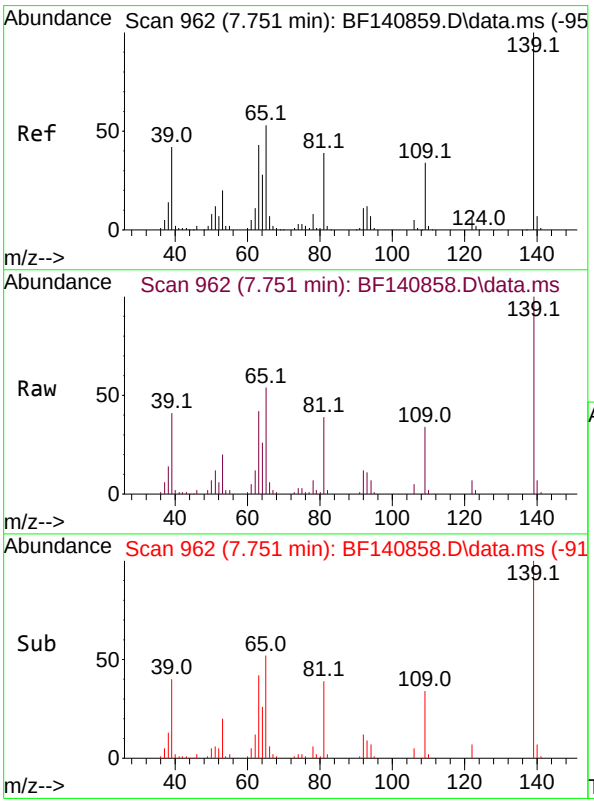

#25
Isophorone
Concen: 20.601 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 82 Resp: 185900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.3 | 9.5 |
| 138 | 17.4 | 14.1 | 21.1 |

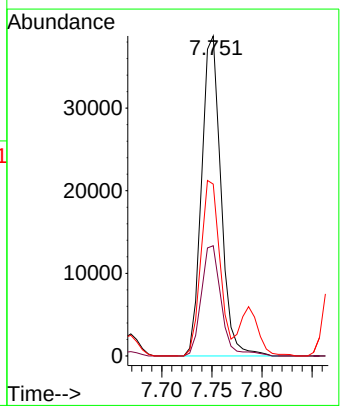


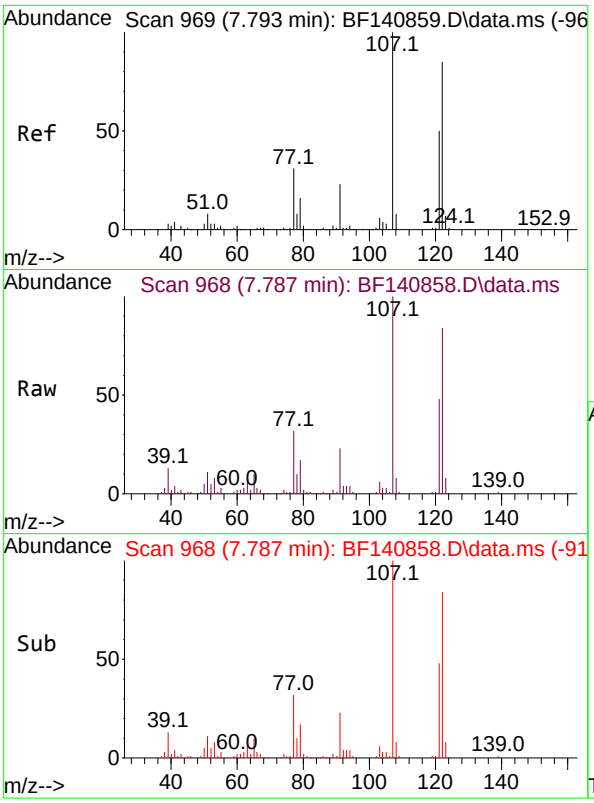




#26
2-Nitrophenol
Concen: 20.516 ng
RT: 7.751 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:139 Resp: 52133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.5 | 26.9 | 40.3 |
| 65 | 53.7 | 42.6 | 64.0 |



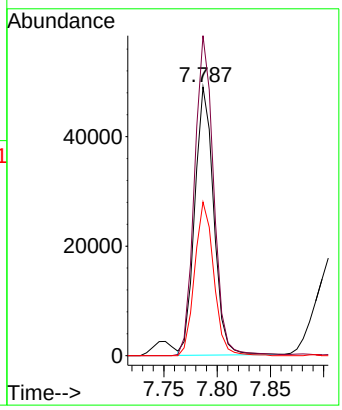


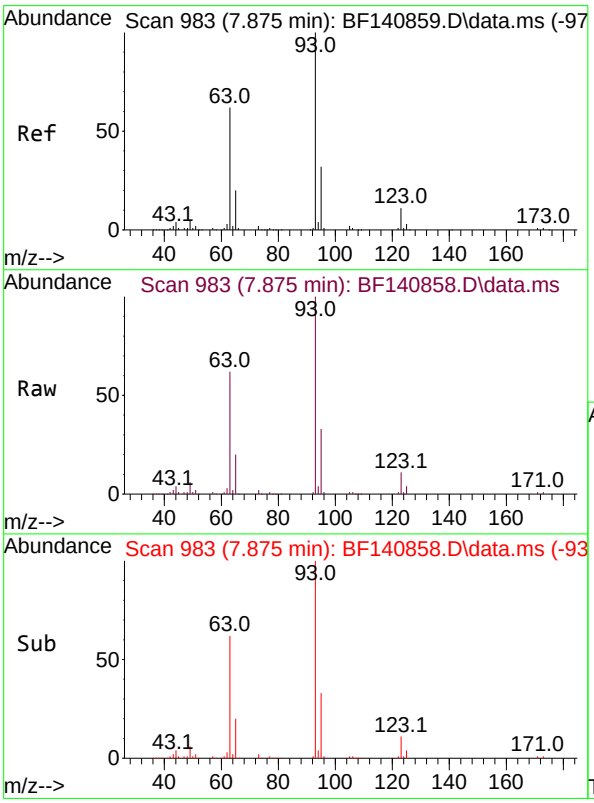

#27
2,4-Dimethylphenol
Concen: 20.471 ng
RT: 7.787 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:122 Resp: 60750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.1 | 92.6 | 139.0 |
| 121 | 57.2 | 45.8 | 68.8 |

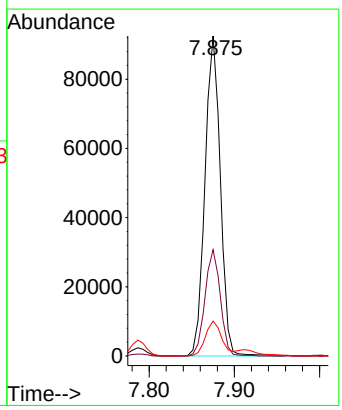


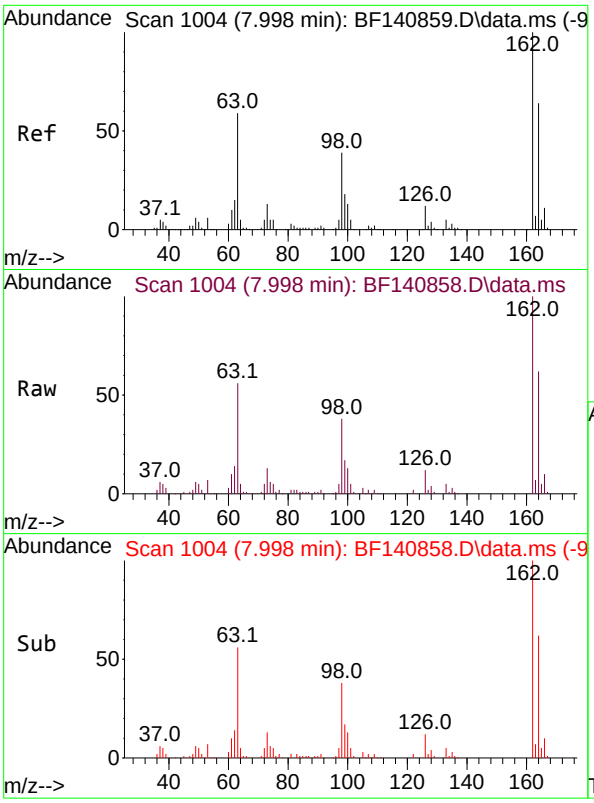




#28
bis(2-Chloroethoxy)methane
Concen: 20.512 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 93 Resp: 115605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 25.3 | 37.9 |
| 123 | 10.9 | 8.6 | 13.0 |



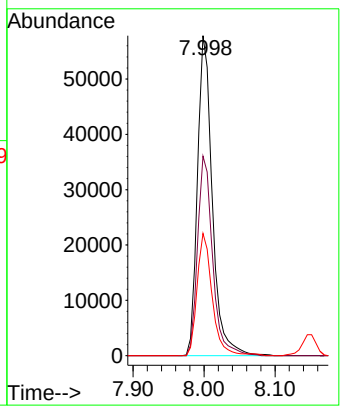


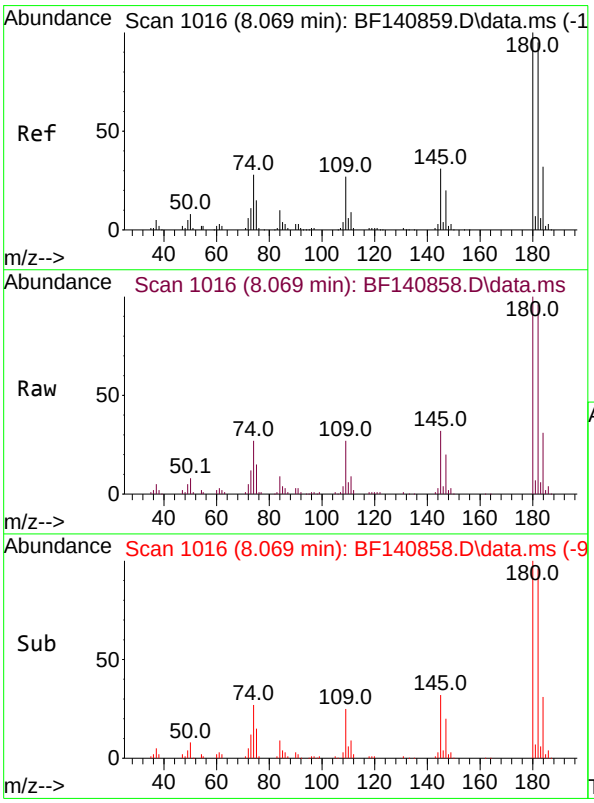

#29
2,4-Dichlorophenol
Concen: 20.575 ng
RT: 7.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:162 Resp: 84299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 43.7 | 83.7 |
| 98 | 38.2 | 18.6 | 58.6 |

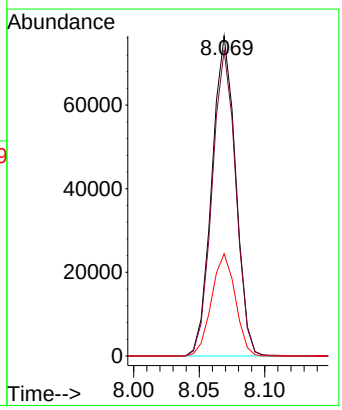


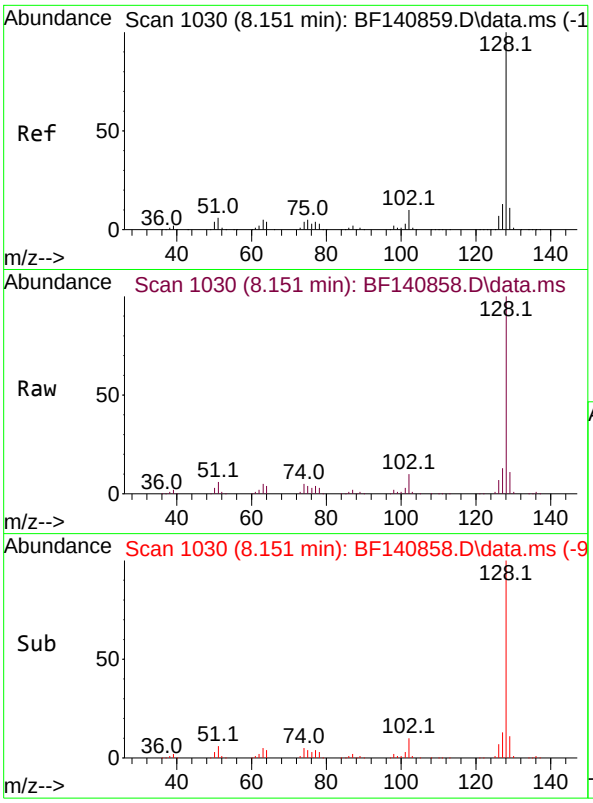




#30
1,2,4-Trichlorobenzene
Concen: 20.481 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:180 Resp: 96194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 75.8 | 113.6 |
| 145 | 31.9 | 25.2 | 37.8 |



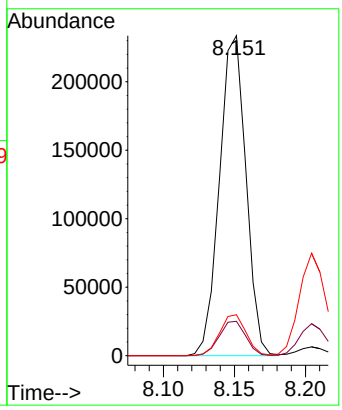


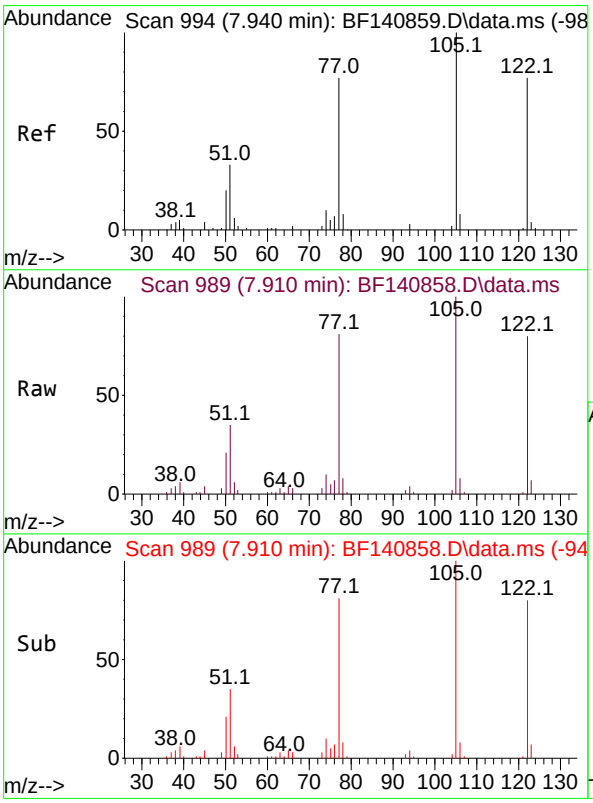

#31
Naphthalene
Concen: 20.500 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:128 Resp: 303425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 12.8 | 10.6 | 16.0 |

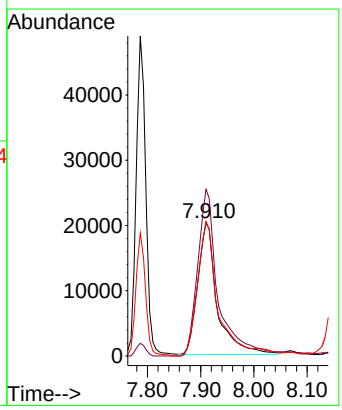


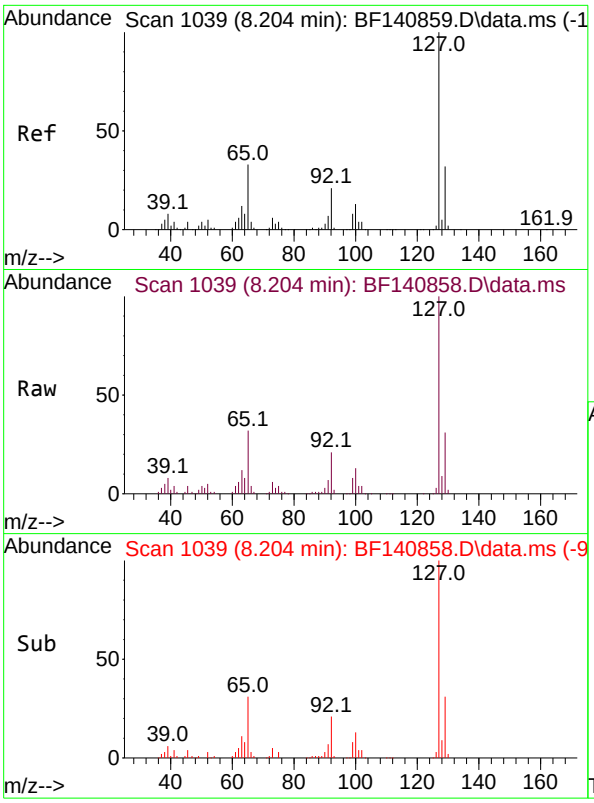




#32
Benzoic acid
Concen: 18.394 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.030 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:122 Resp: 51770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.0 | 108.3 | 148.3 |
| 77 | 100.9 | 78.8 | 118.8 |



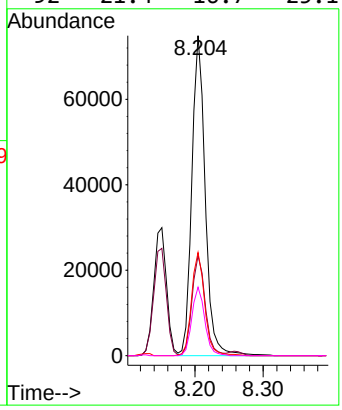


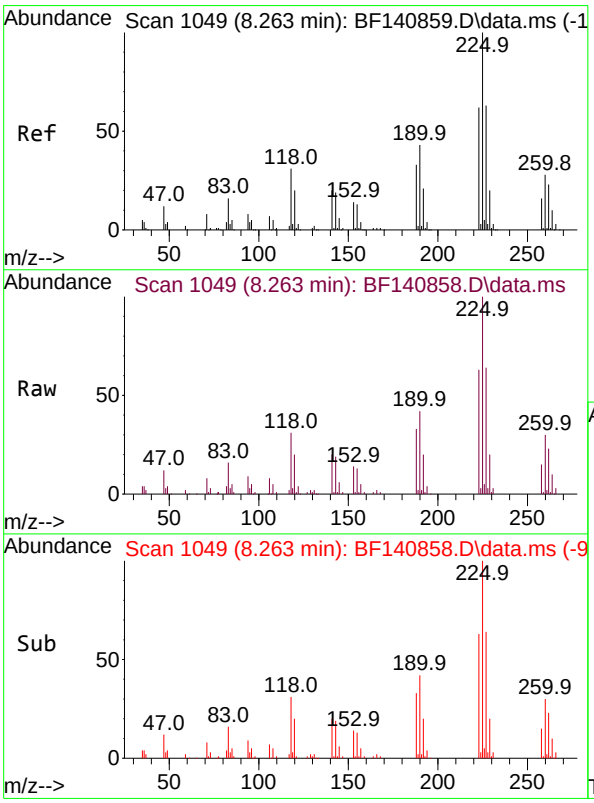

#33
4-Chloroaniline
Concen: 20.664 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:127 Resp: 101583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 26.0 | 39.0 |
| 65 | 32.3 | 26.0 | 39.0 |
| 92 | 21.4 | 16.7 | 25.1 |

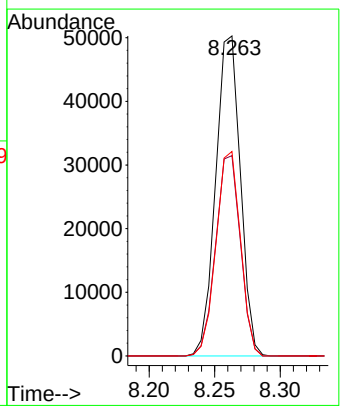


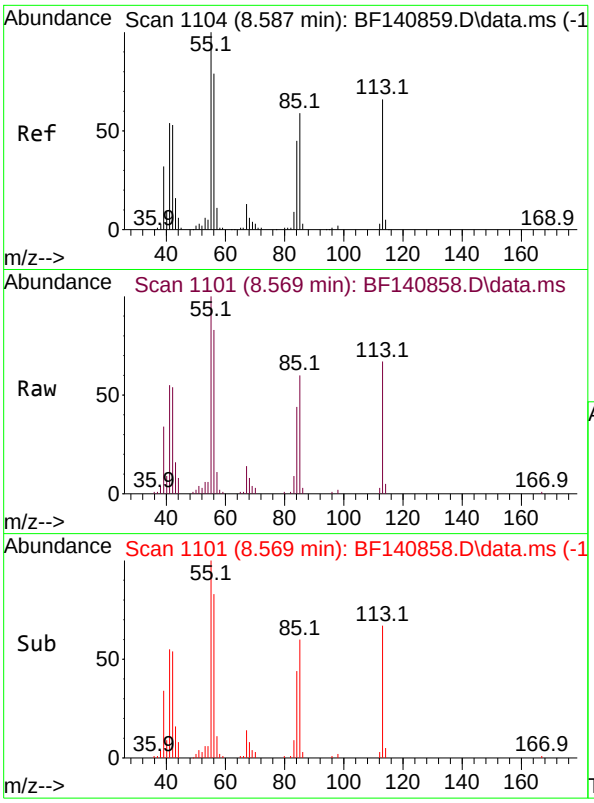




#34
Hexachlorobutadiene
Concen: 20.824 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:225 Resp: 65803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 49.6 | 74.4 |
| 227 | 63.9 | 50.7 | 76.1 |



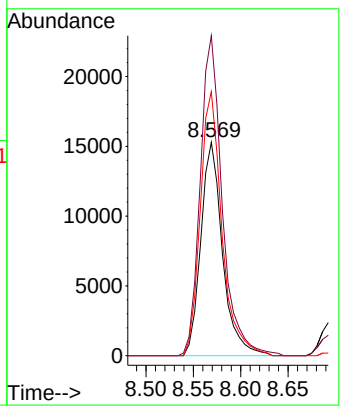


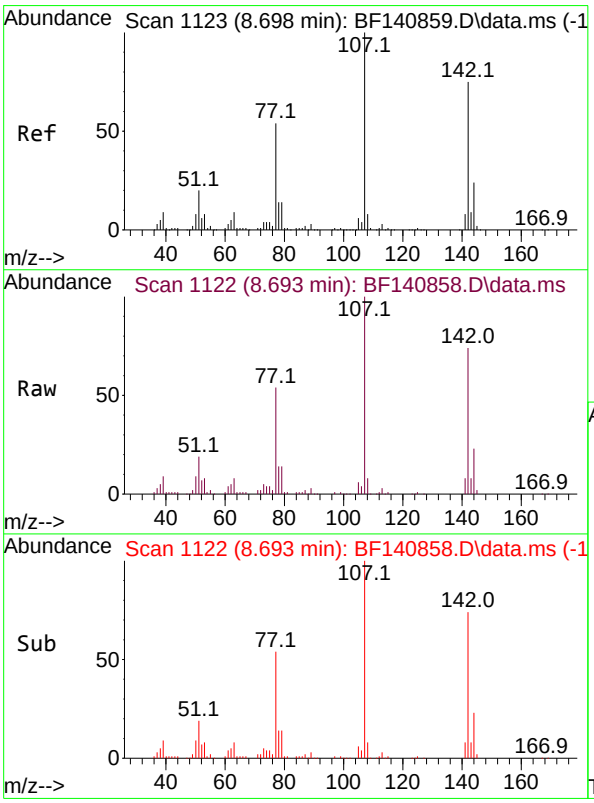

#35
Caprolactam
Concen: 19.958 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:113 Resp: 24344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 149.9 | 132.3 | 172.3 |
| 56 | 123.7 | 100.3 | 140.3 |

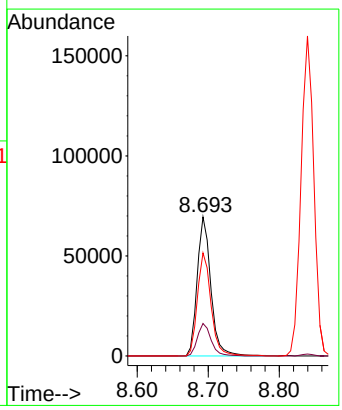


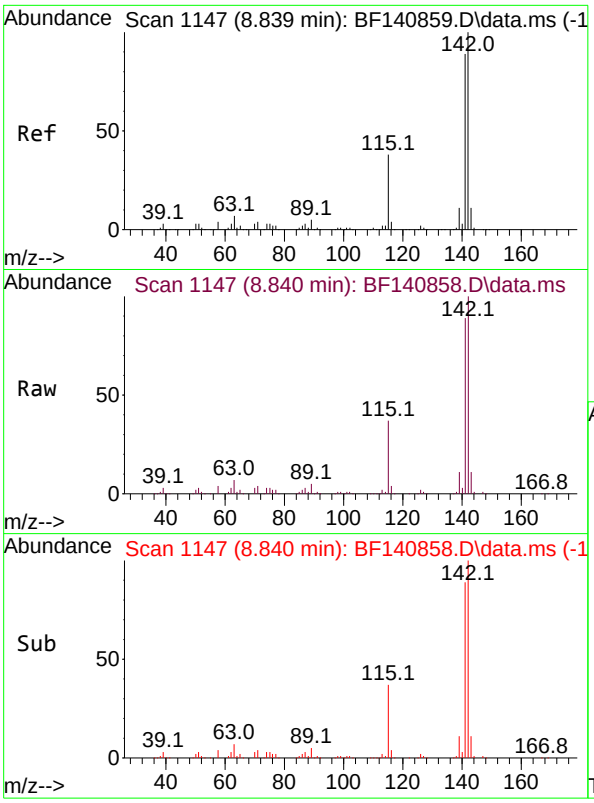




#36
4-Chloro-3-methylphenol
Concen: 20.300 ng
RT: 8.693 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:107 Resp: 93611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.4 | 19.4 | 29.2 |
| 142 | 74.1 | 60.3 | 90.5 |



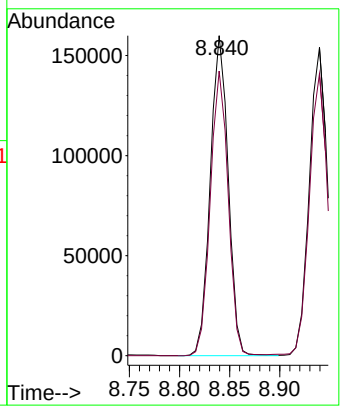


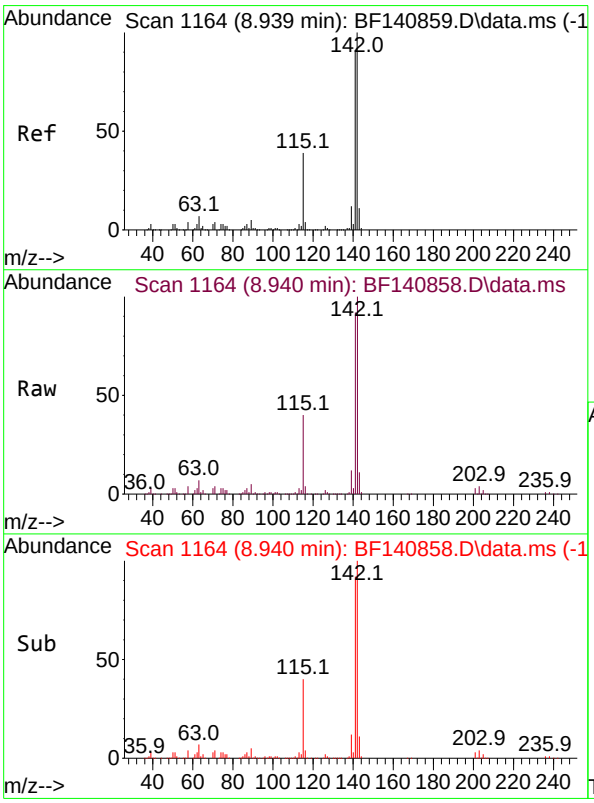

#37
2-Methylnaphthalene
Concen: 20.375 ng
RT: 8.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:142 Resp: 199492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.0 | 106.6 |

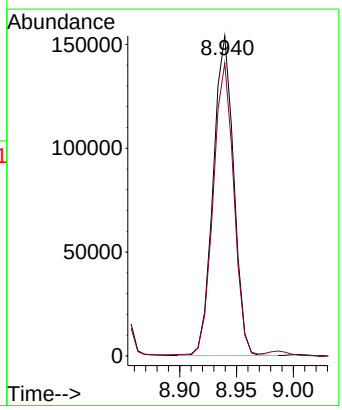


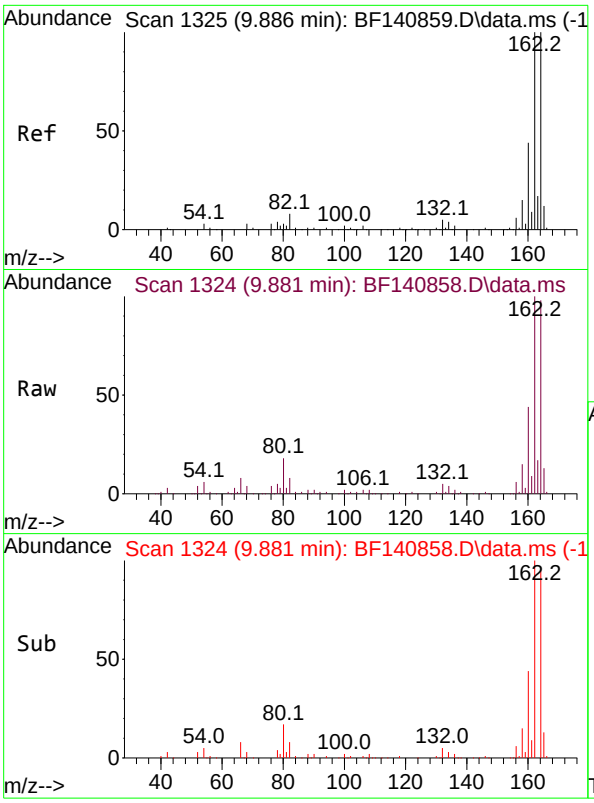




#38
1-Methylnaphthalene
Concen: 19.937 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:142 Resp: 193053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.4 | 110.0 |



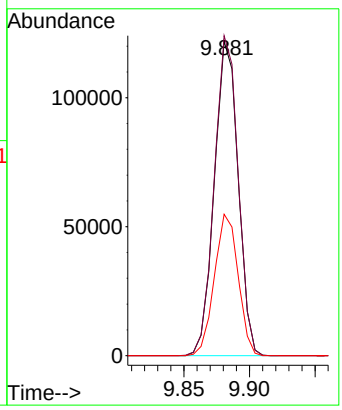


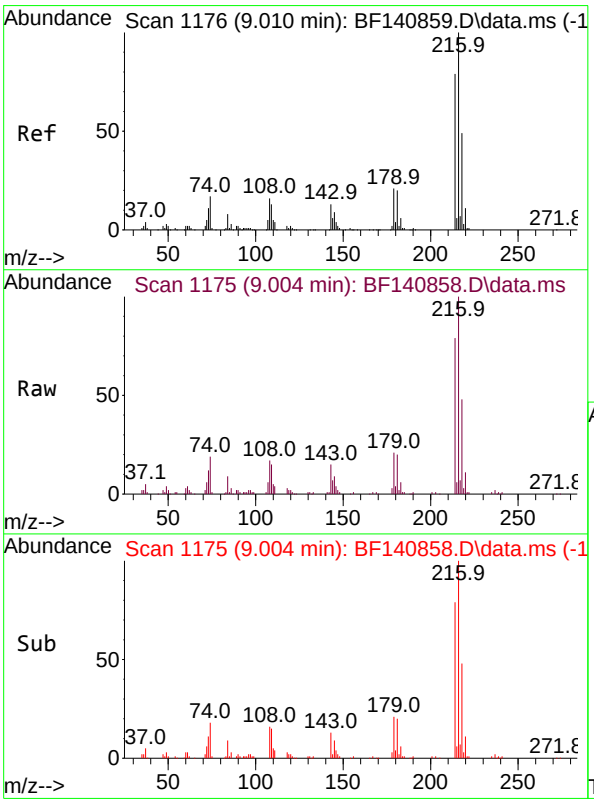

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:164 Resp: 153586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 79.9 | 119.9 |
| 160 | 45.0 | 35.2 | 52.8 |

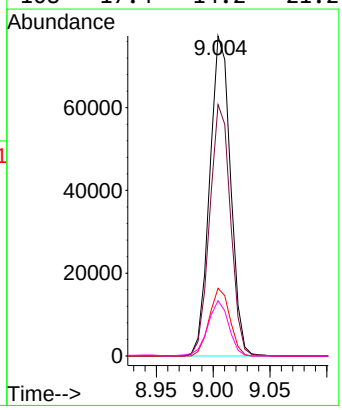


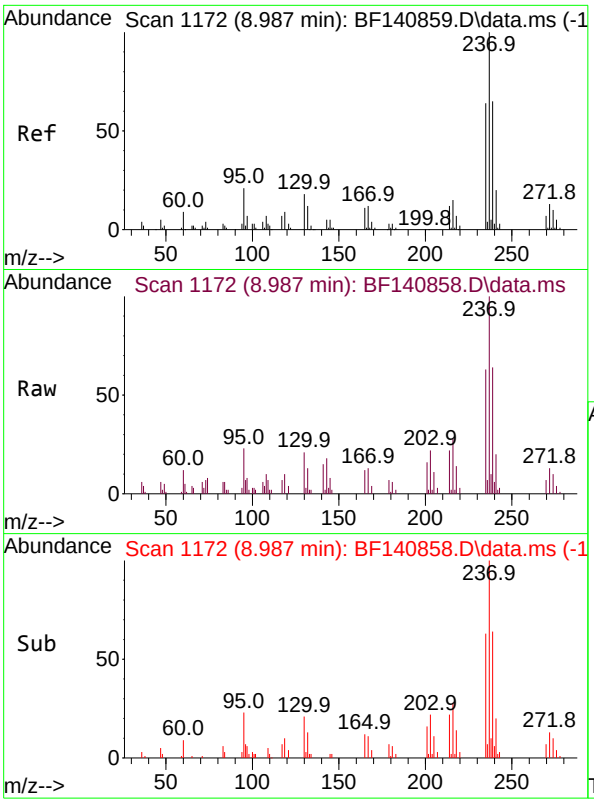




#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.869 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:216 Resp: 98517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 17.4 | 14.2 | 21.2 |



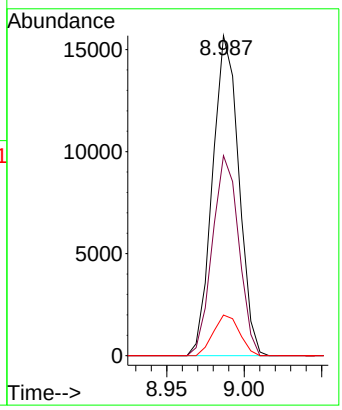


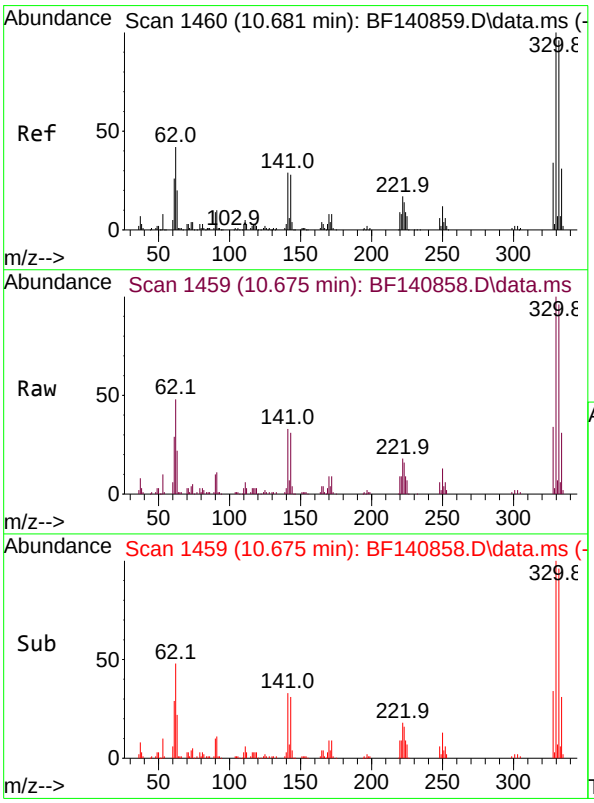

#41
Hexachlorocyclopentadiene
Concen: 21.391 ng
RT: 8.987 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:237 Resp: 18486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 43.7 | 83.7 |
| 272 | 12.7 | 0.0 | 32.9 |

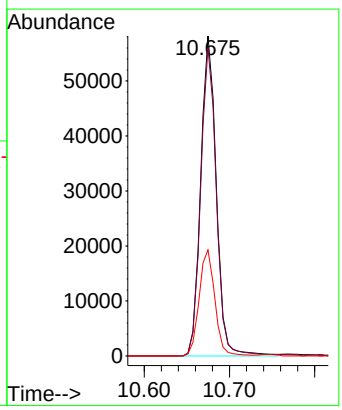


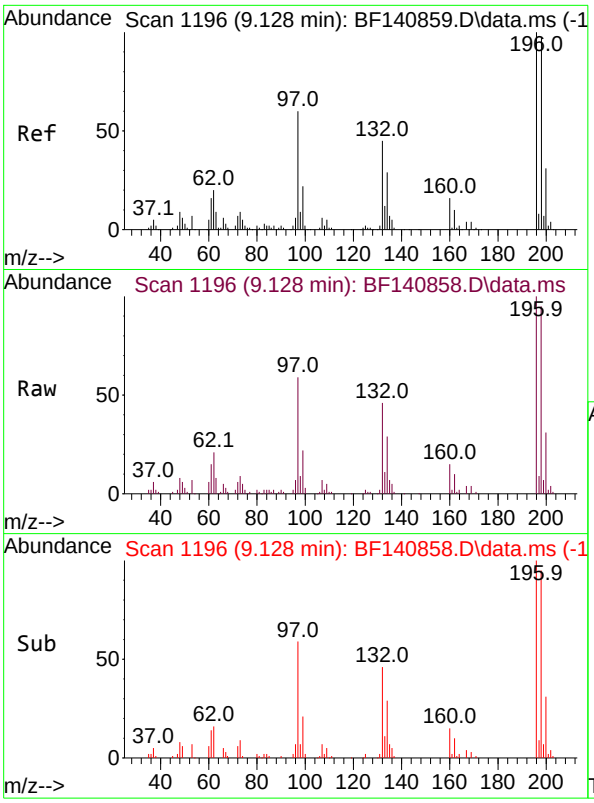




#42
2,4,6-Tribromophenol
Concen: 40.909 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:330 Resp: 74311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.2 | 114.4 |
| 141 | 33.3 | 24.9 | 37.3 |



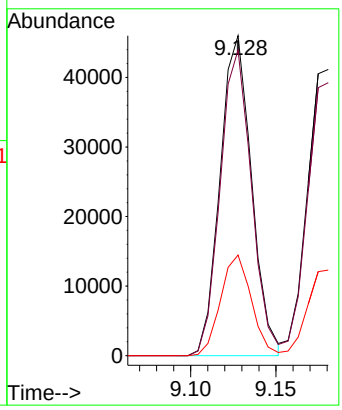


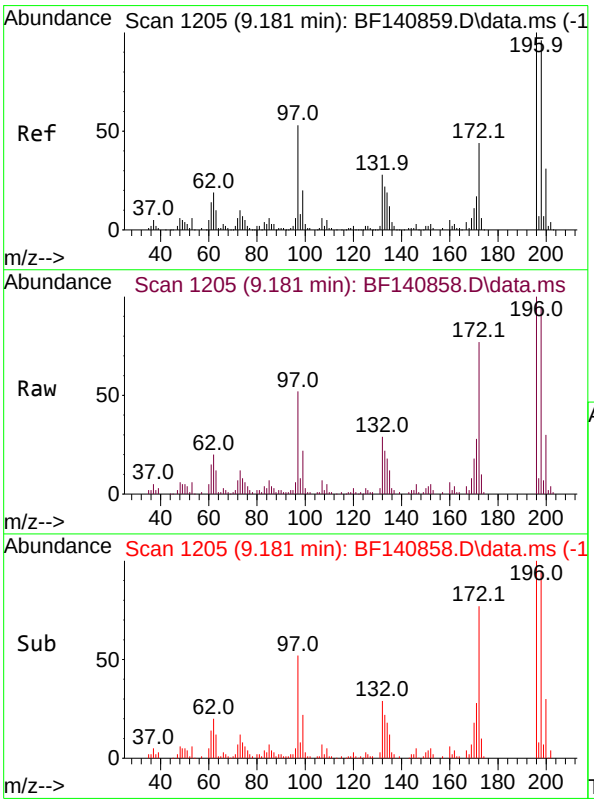

#43
2,4,6-Trichlorophenol
Concen: 20.509 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:196 Resp: 59284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 77.4 | 116.0 |
| 200 | 31.5 | 24.5 | 36.7 |

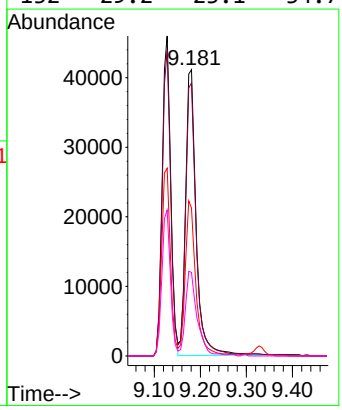


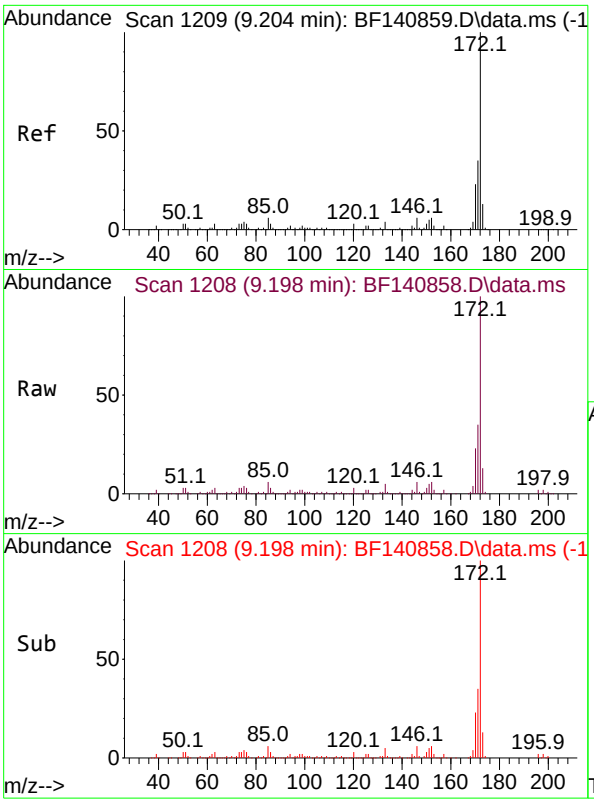




#44
2,4,5-Trichlorophenol
Concen: 20.600 ng
RT: 9.181 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:196 Resp: 65450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 77.2 | 115.8 |
| 97 | 51.7 | 42.2 | 63.4 |
| 132 | 29.2 | 23.1 | 34.7 |



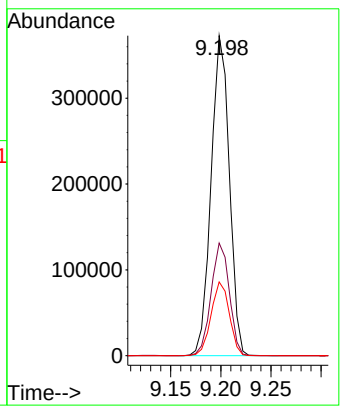


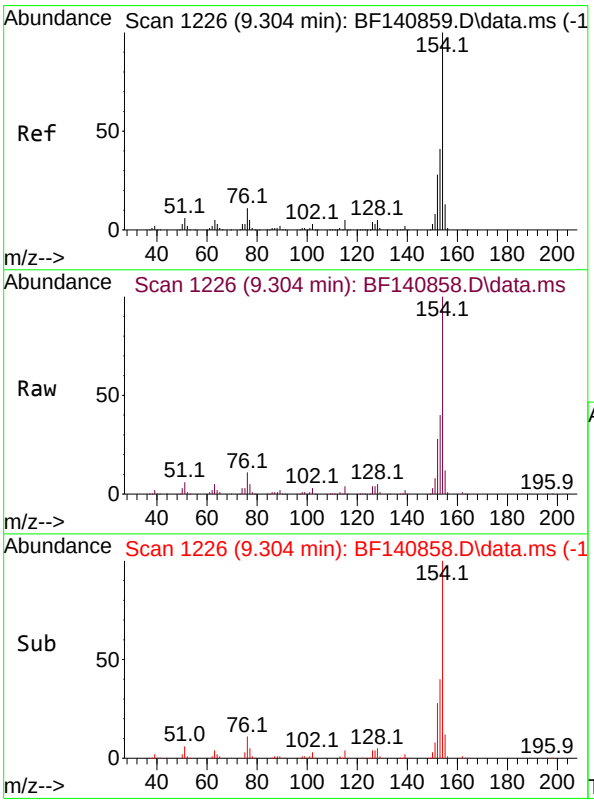

#45
2-Fluorobiphenyl
Concen: 42.281 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:172 Resp: 472330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.1 | 18.6 | 28.0 |

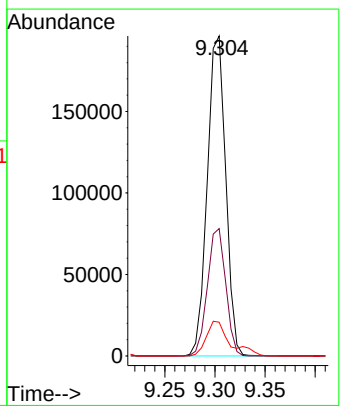


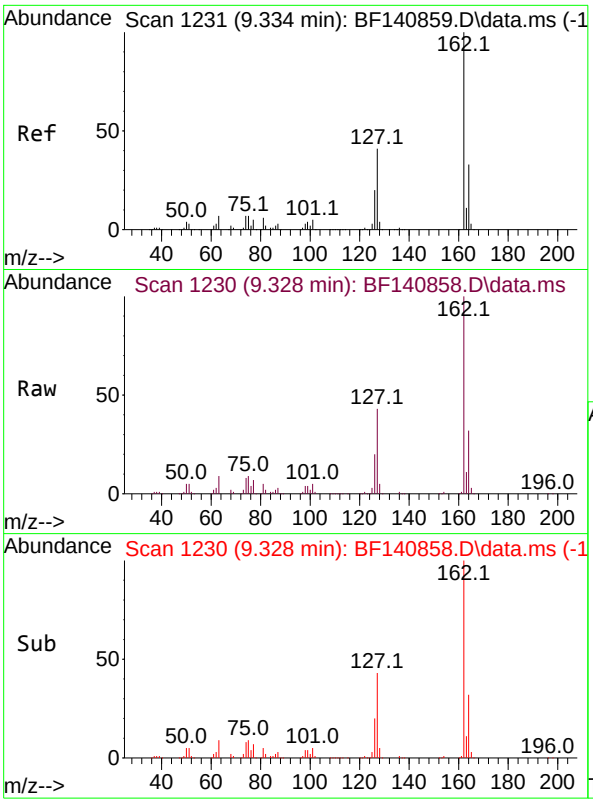




#46
1,1'-Biphenyl
Concen: 20.606 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:154 Resp: 251662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.8 | 60.8 |
| 76 | 10.5 | 0.0 | 31.0 |



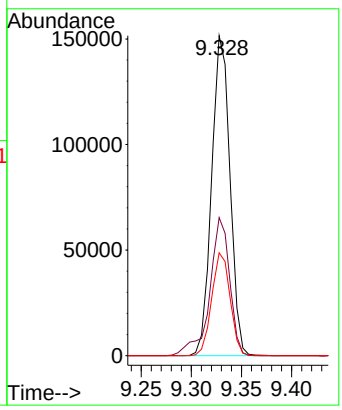


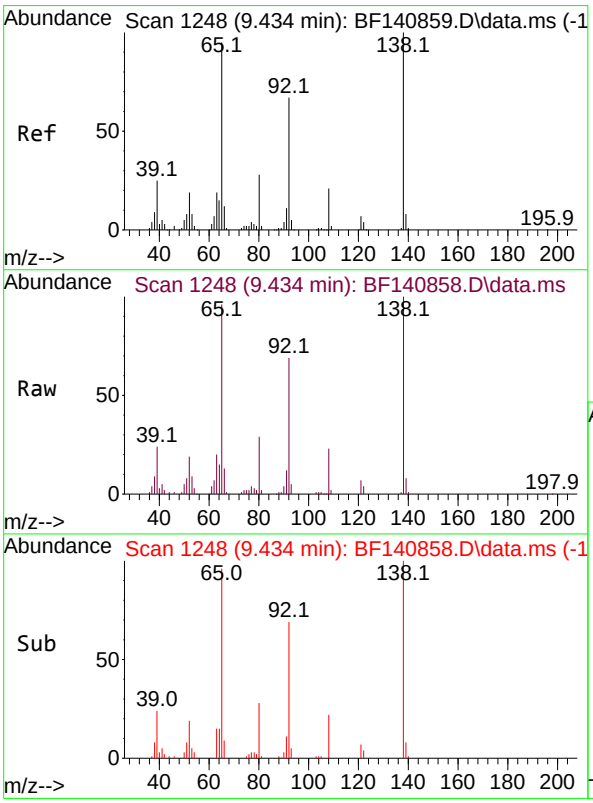

#47
2-Chloronaphthalene
Concen: 20.615 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:162 Resp: 192611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.2 | 33.5 | 50.3 |
| 164 | 32.1 | 26.2 | 39.2 |

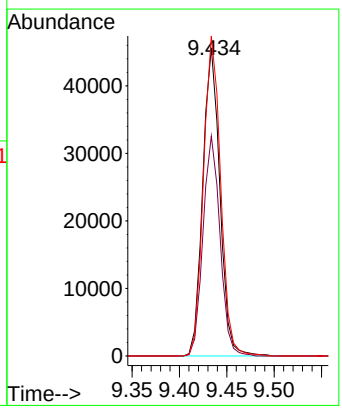


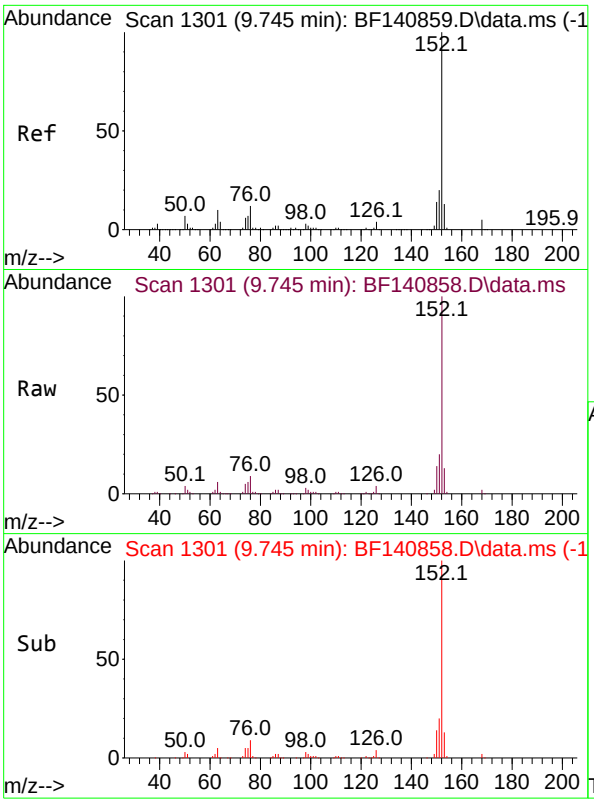




#48
2-Nitroaniline
Concen: 20.250 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 65 Resp: 57140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.4 | 56.3 | 84.5 |
| 138 | 103.9 | 83.8 | 125.6 |



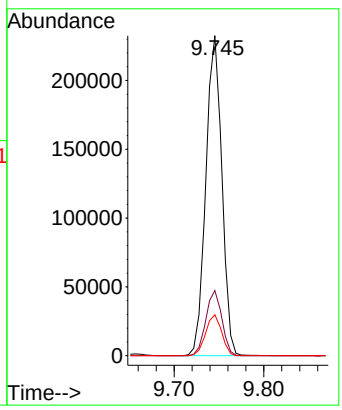


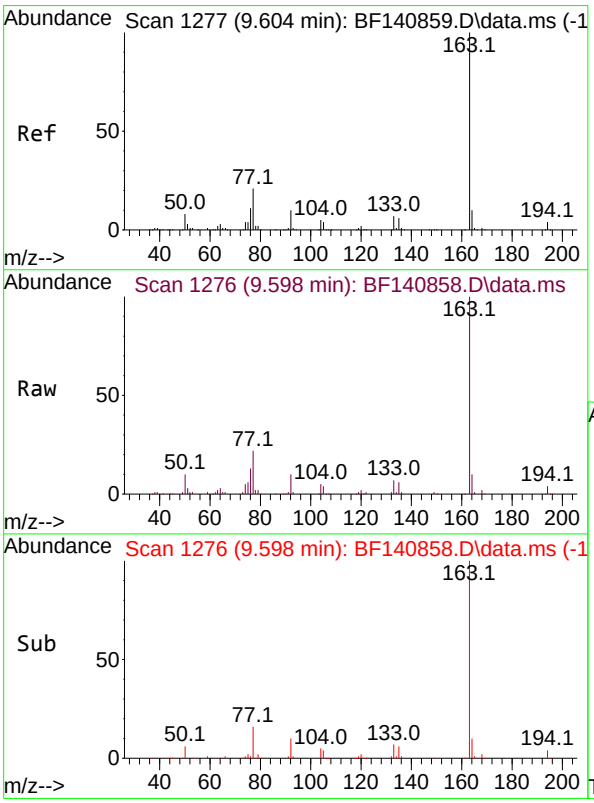

#49
Acenaphthylene
Concen: 21.027 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:152 Resp: 288710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 12.8 | 10.6 | 16.0 |

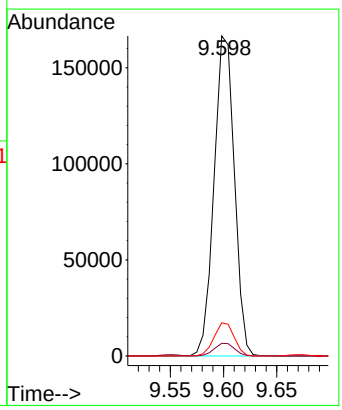


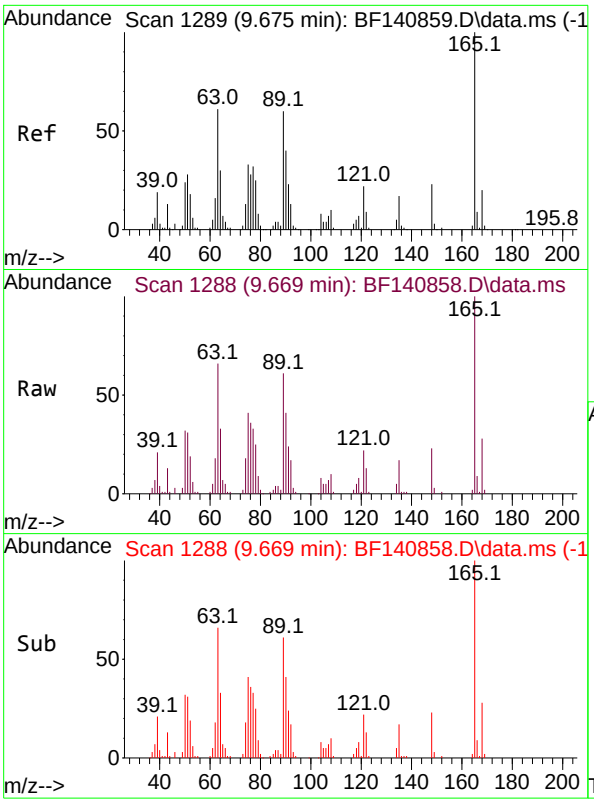




#50
Dimethylphthalate
Concen: 20.399 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:163 Resp: 220880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.3 | 8.1 | 12.1 |



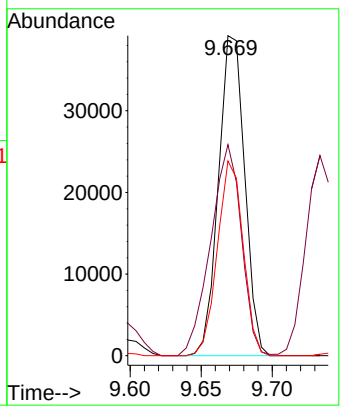


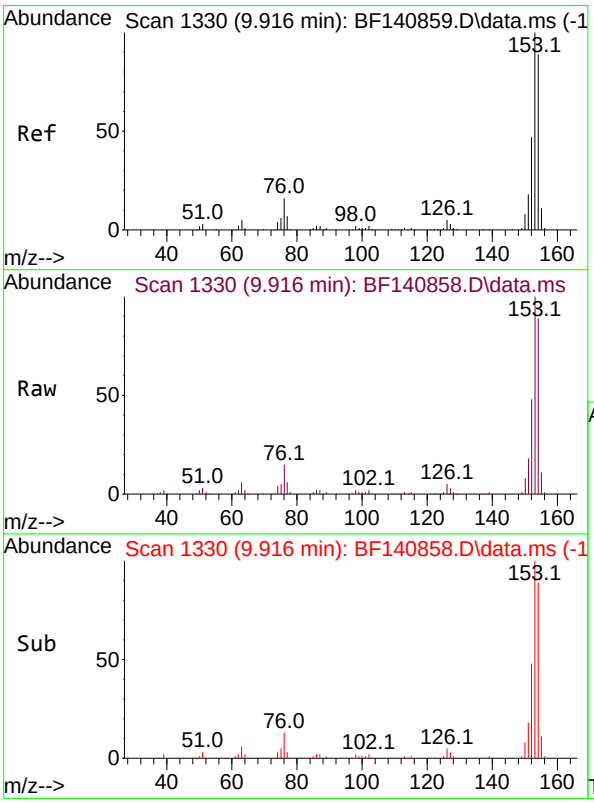

#51
2,6-Dinitrotoluene
Concen: 20.321 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:165 Resp: 50302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 66.0 | 49.7 | 74.5 |
| 89 | 60.9 | 48.2 | 72.4 |

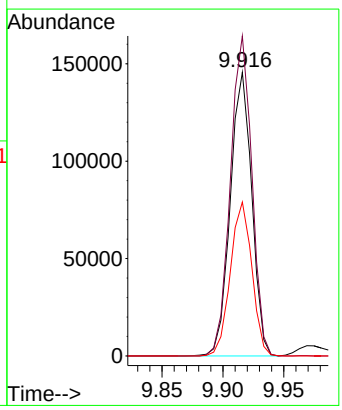


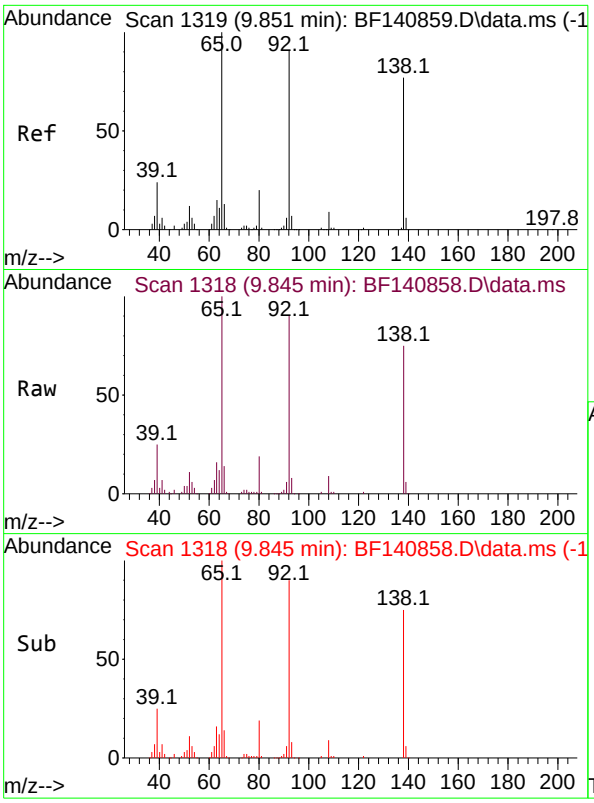




#52
Acenaphthene
Concen: 20.422 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:154 Resp: 179112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 89.9 | 134.9 |
| 152 | 54.2 | 42.6 | 63.8 |



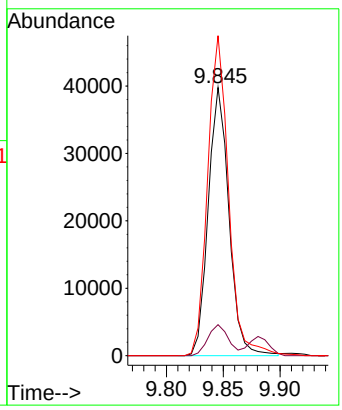


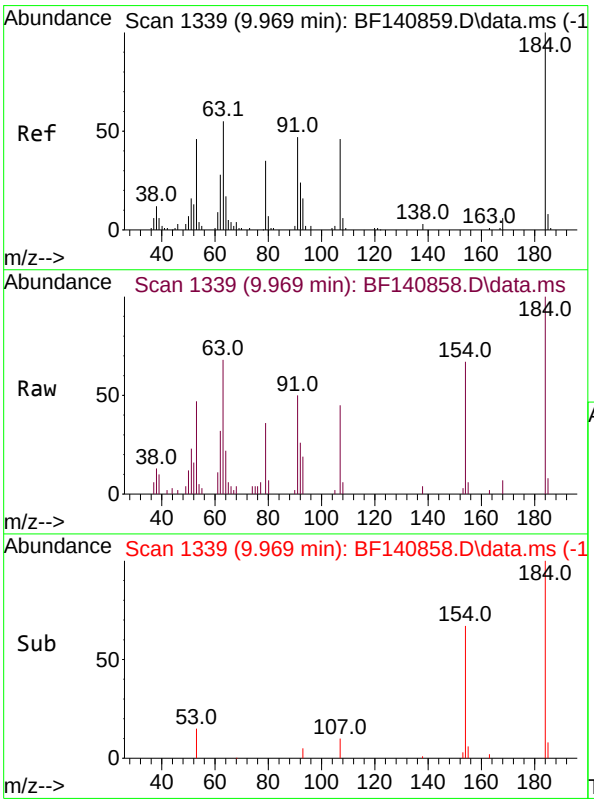

#53
3-Nitroaniline
Concen: 20.538 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:138 Resp: 50453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.0 | 13.4 |
| 92 | 119.3 | 95.5 | 143.3 |

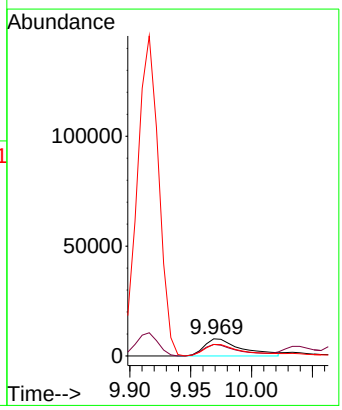


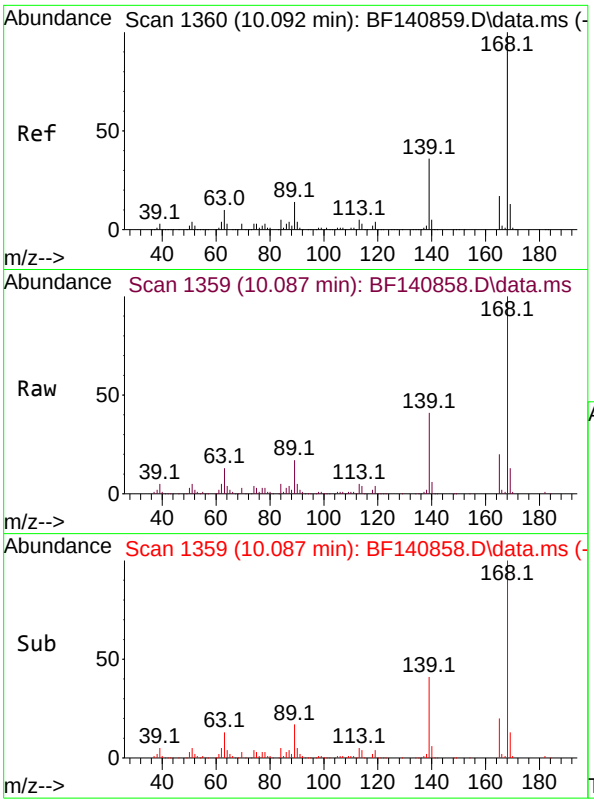




#54
2,4-Dinitrophenol
Concen: 19.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:184 Resp: 16571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.6 | 51.6 | 77.4 |
| 154 | 67.1 | 56.1 | 84.1 |



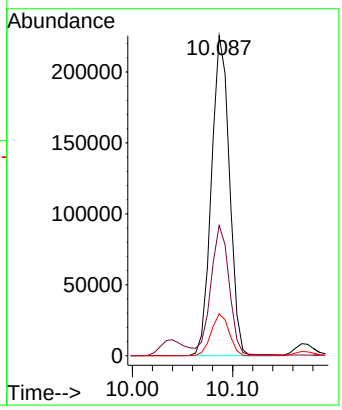


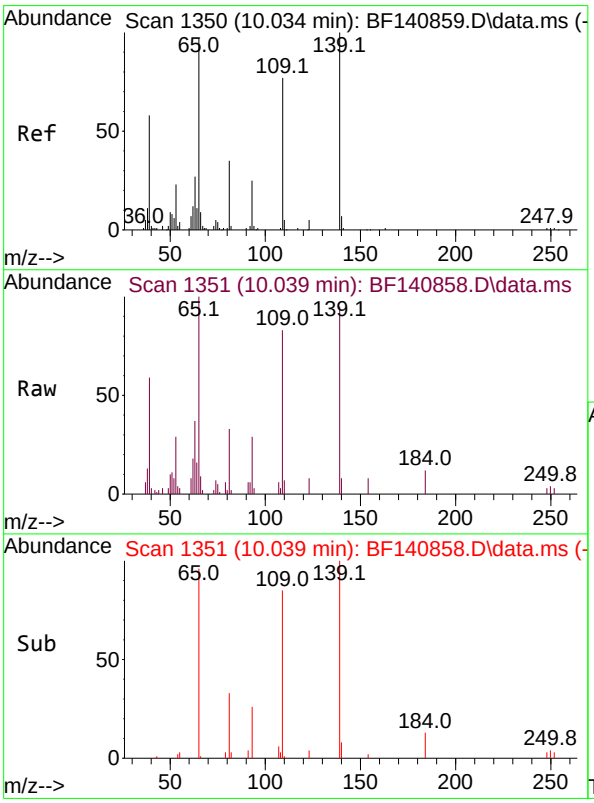

#55
Dibenzofuran
Concen: 20.683 ng
RT: 10.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:168 Resp: 281092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.7 | 31.1 | 46.7 |
| 169 | 13.1 | 10.6 | 16.0 |

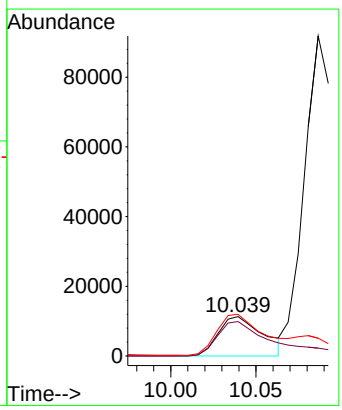


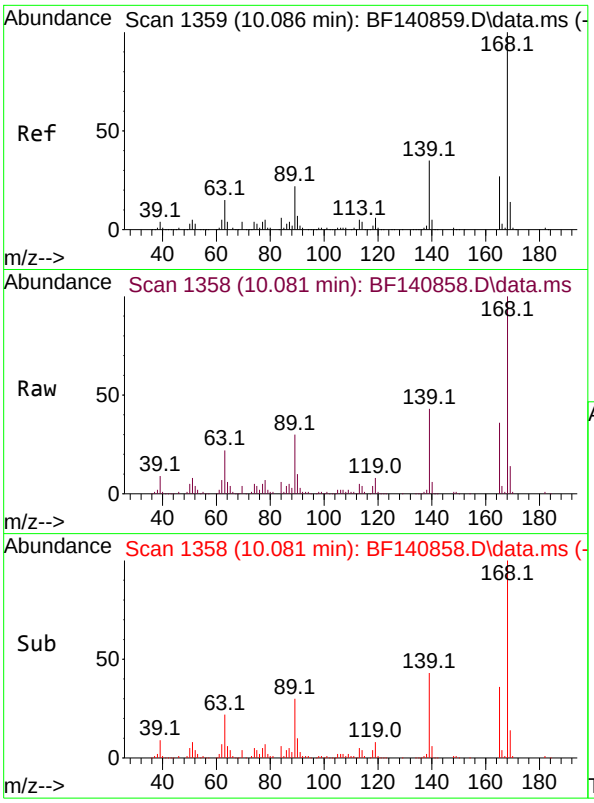




#56
4-Nitrophenol
Concen: 19.017 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:139 Resp: 20392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 87.3 | 56.7 | 96.7 |
| 65 | 105.5 | 78.1 | 118.1 |



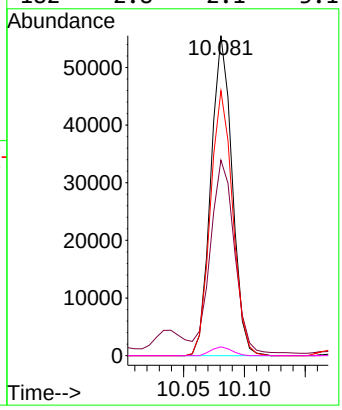


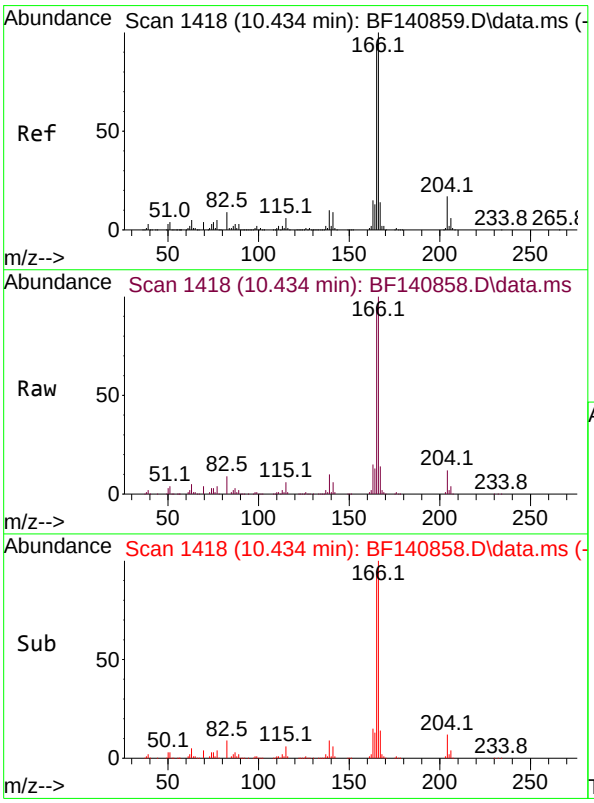

#57
2,4-Dinitrotoluene
Concen: 20.746 ng
RT: 10.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:165 Resp: 67570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.1 | 49.3 | 73.9 |
| 89 | 82.8 | 66.2 | 99.4 |
| 182 | 2.8 | 2.1 | 3.1 |

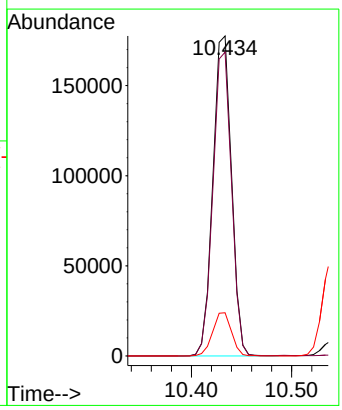


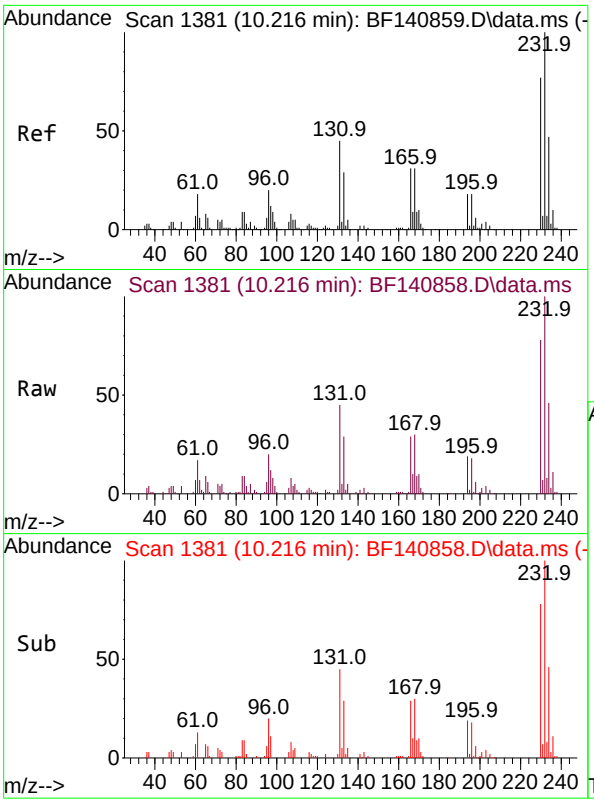




#58
Fluorene
Concen: 20.439 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:166 Resp: 229160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.0 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |



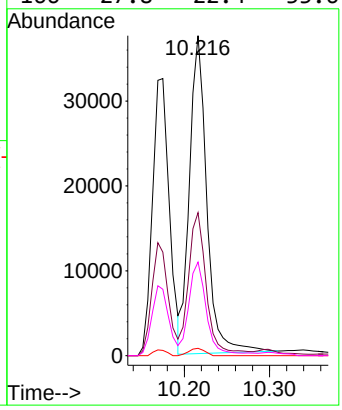


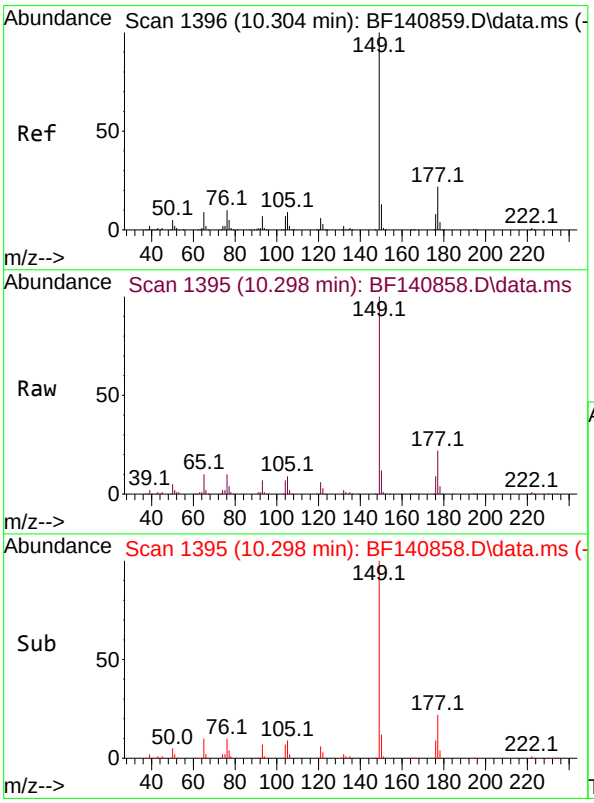

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.459 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:232 Resp: 52966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 27.8 | 22.4 | 33.6 |

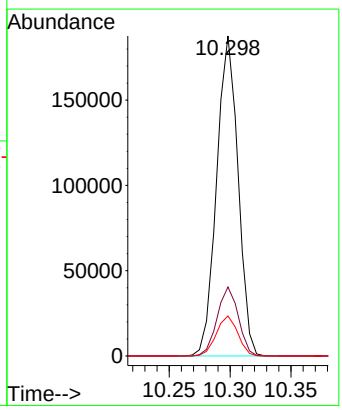


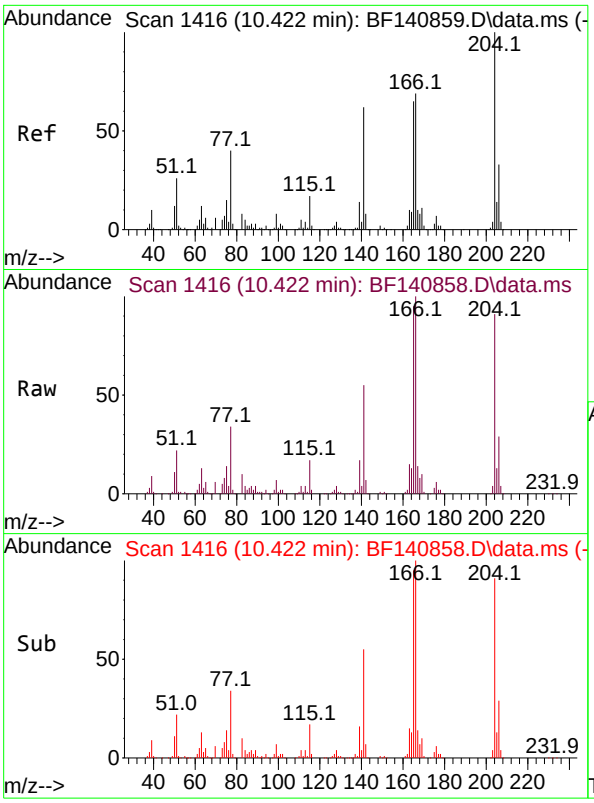




#60
Diethylphthalate
Concen: 20.466 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 229798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |



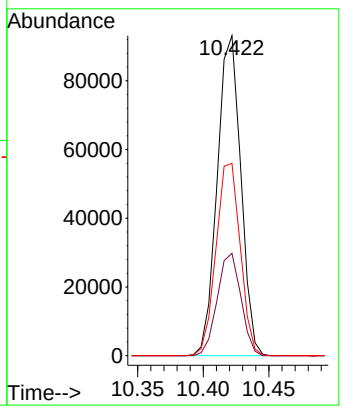


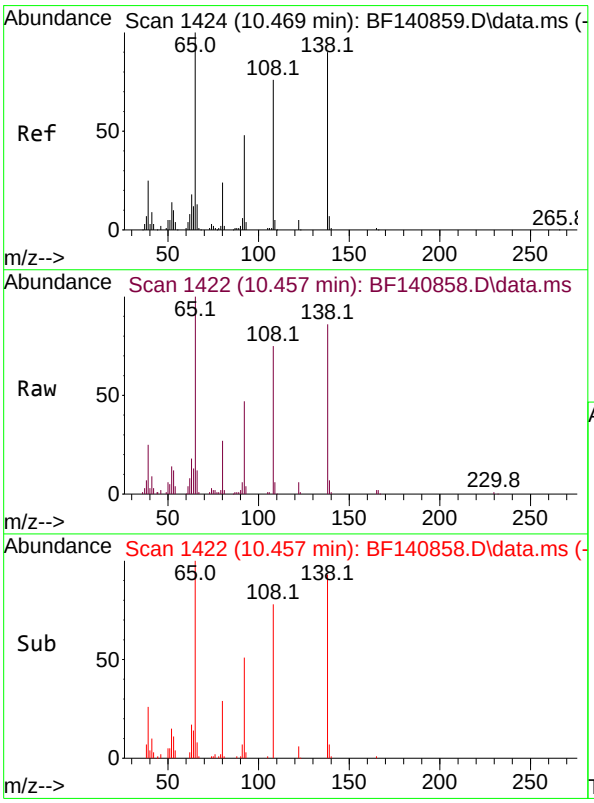

#61
4-Chlorophenyl-phenylether
Concen: 20.693 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:204 Resp: 116545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 26.5 | 39.7 |
| 141 | 60.1 | 50.0 | 75.0 |

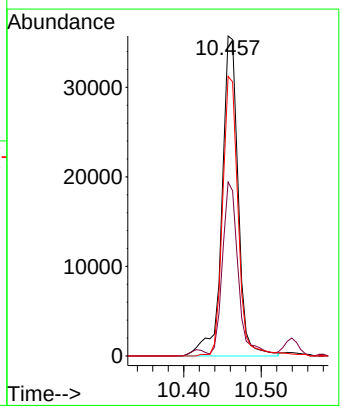


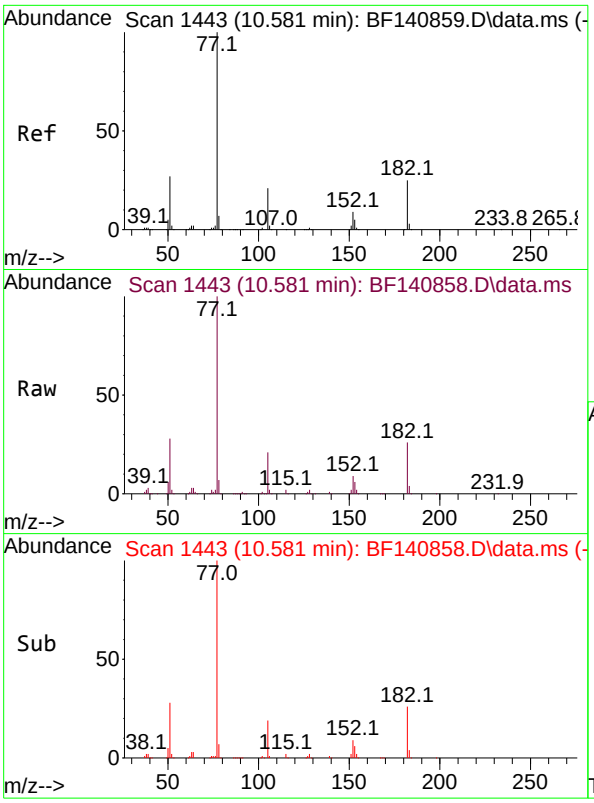




#62
4-Nitroaniline
Concen: 20.263 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:138 Resp: 52016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 54.4 | 32.6 | 72.6 |
| 108 | 87.4 | 64.1 | 104.1 |



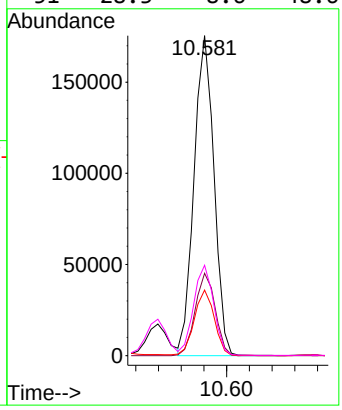


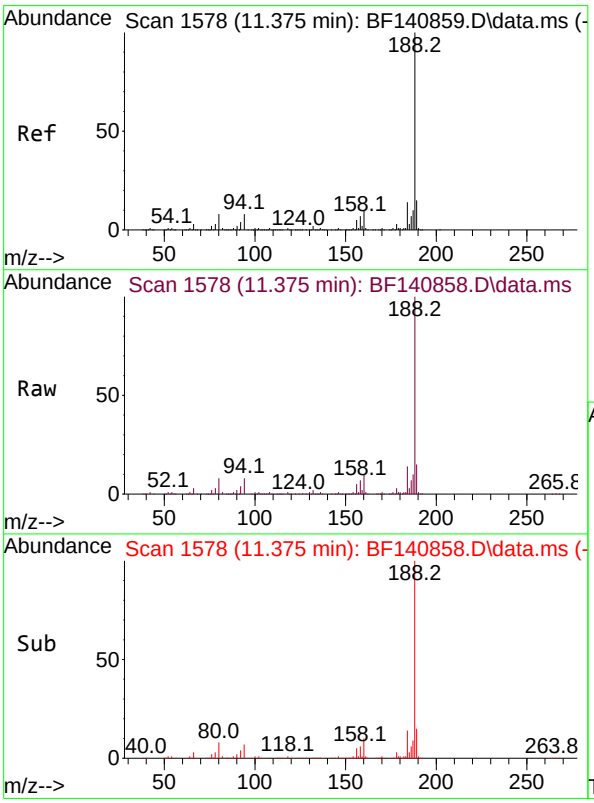

#63
Azobenzene
Concen: 20.286 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 77 Resp: 214137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.8 | 4.5 | 44.5 |
| 105 | 20.5 | 0.9 | 40.9 |
| 51 | 28.3 | 8.6 | 48.6 |

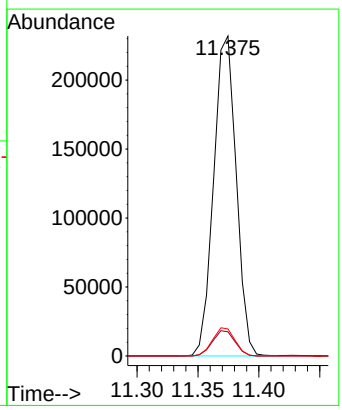


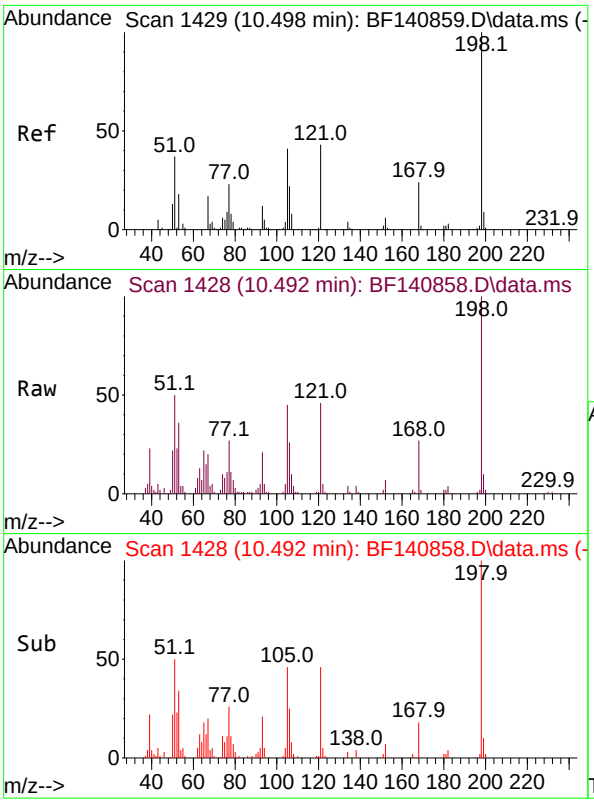




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:188 Resp: 299699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.4 | 9.6 |
| 80 | 8.4 | 6.8 | 10.2 |



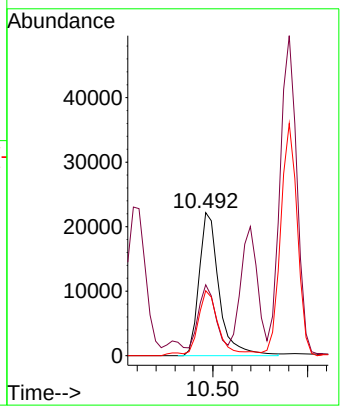


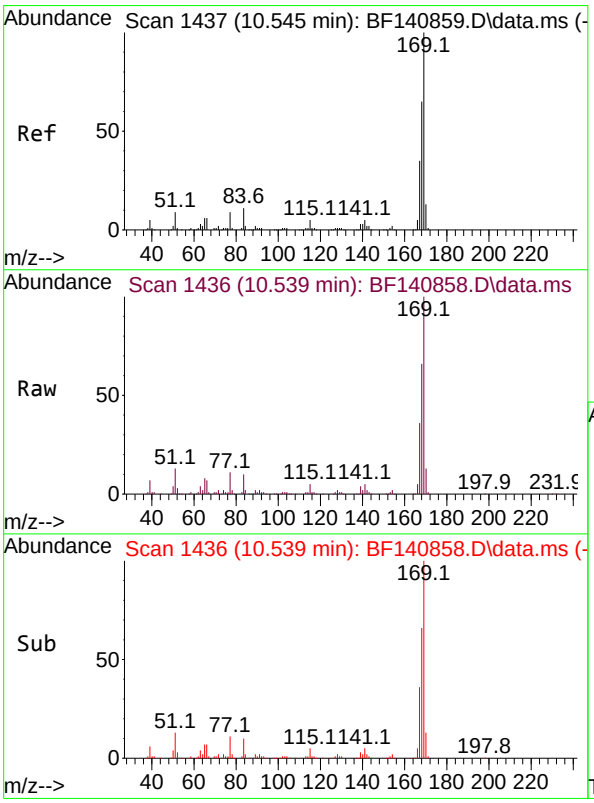

#65
4,6-Dinitro-2-methylphenol
Concen: 19.149 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:198 Resp: 32520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 49.6 | 24.4 | 64.4 |
| 105 | 45.4 | 22.1 | 62.1 |

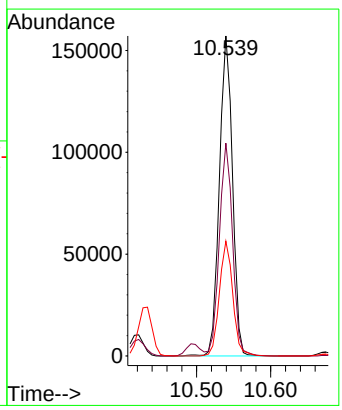


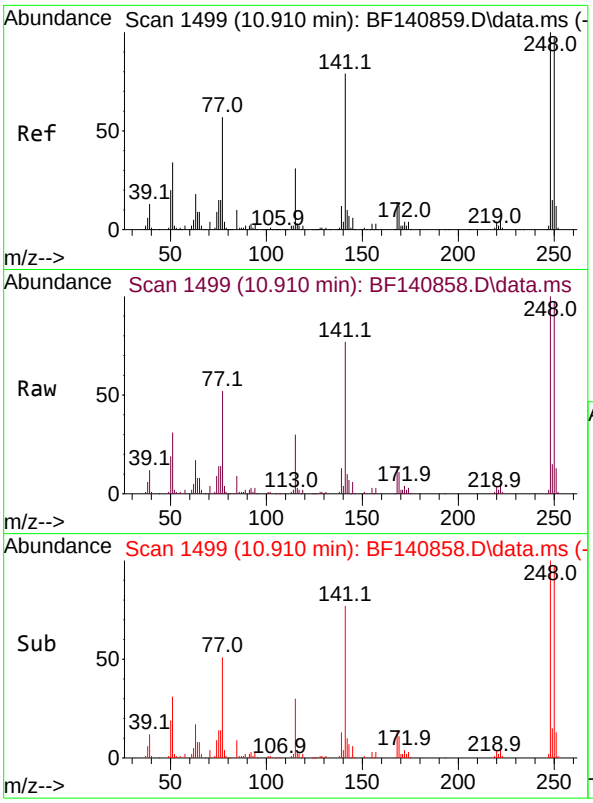




#66
n-Nitrosodiphenylamine
Concen: 20.932 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:169 Resp: 192873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.4 | 80.0 |
| 167 | 35.9 | 28.3 | 42.5 |



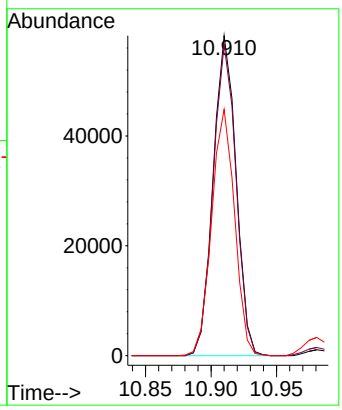


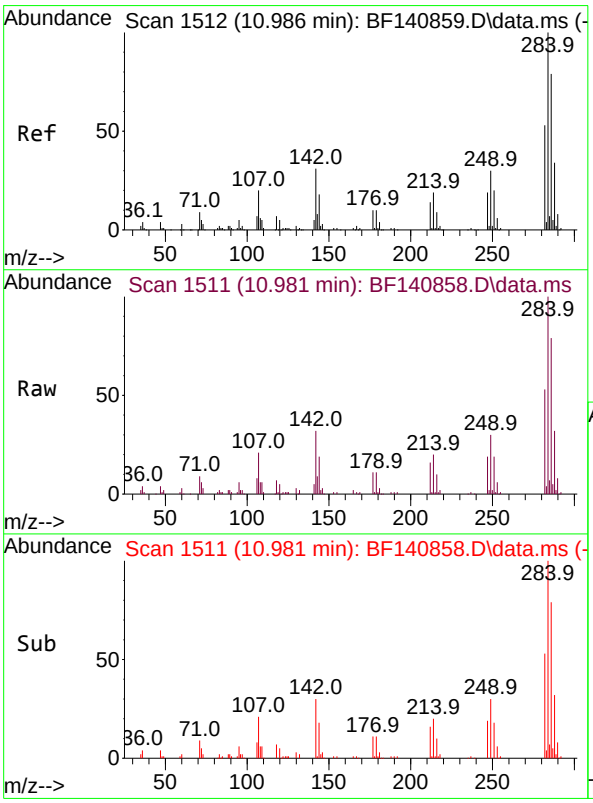

#67
4-Bromophenyl-phenylether
Concen: 21.118 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:248 Resp: 70804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 77.4 | 116.2 |
| 141 | 77.0 | 62.9 | 94.3 |

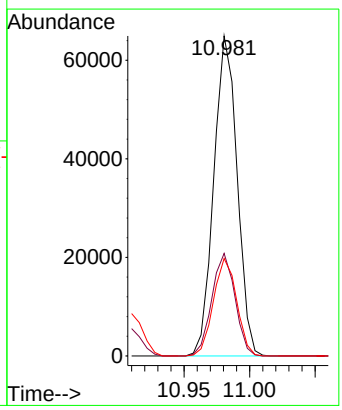


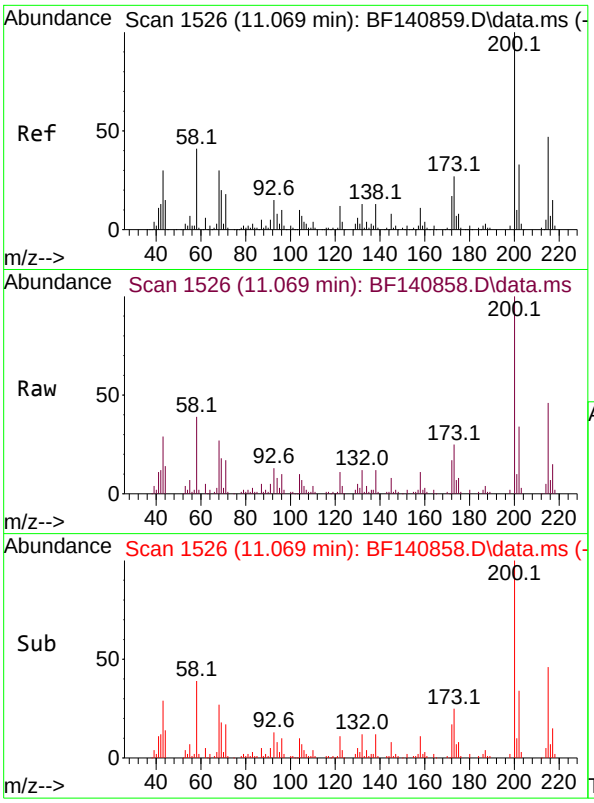




#68
Hexachlorobenzene
Concen: 21.095 ng
RT: 10.981 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:284 Resp: 80189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.0 | 24.6 | 36.8 |
| 249 | 30.5 | 24.3 | 36.5 |



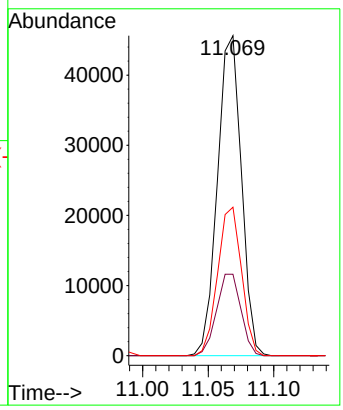


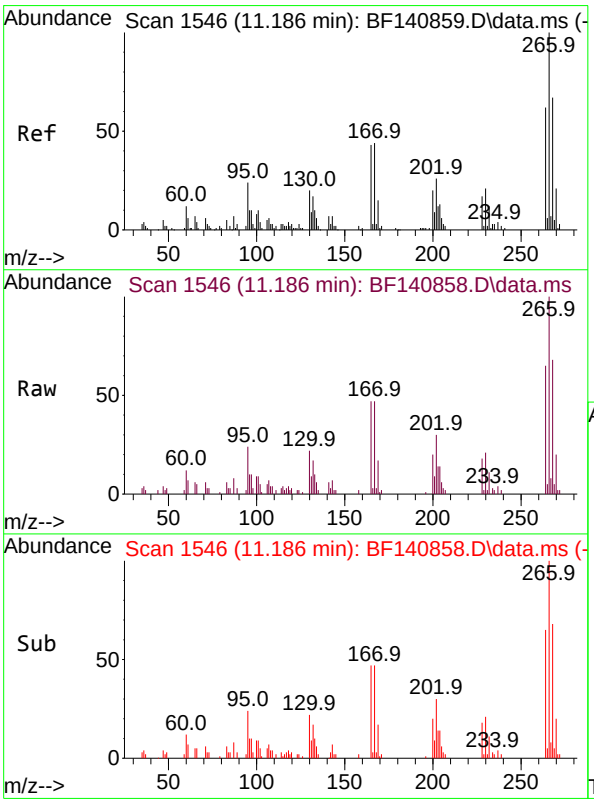

#69
Atrazine
Concen: 22.488 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:200 Resp: 57872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 6.6 | 46.6 |
| 215 | 46.4 | 26.7 | 66.7 |

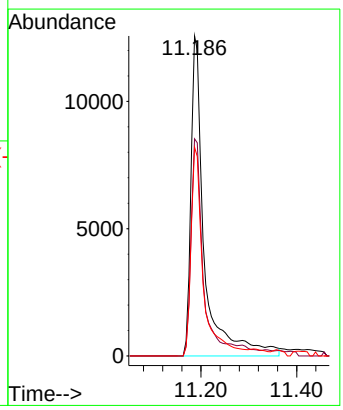


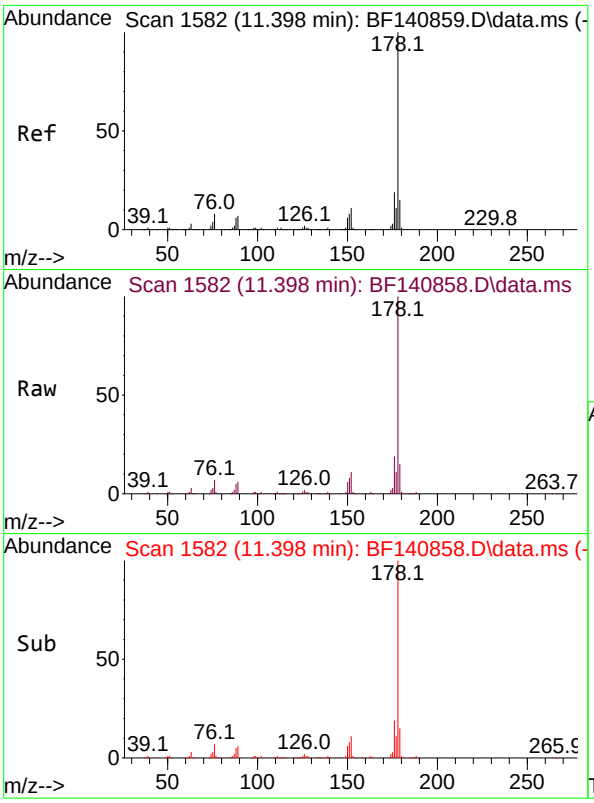




#70
Pentachlorophenol
Concen: 17.726 ng m
RT: 11.186 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:266 Resp: 24650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.9 | 54.0 | 81.0 |
| 264 | 65.2 | 49.4 | 74.2 |



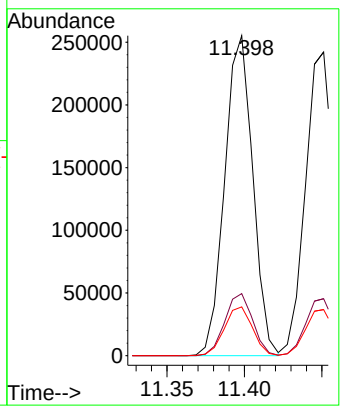


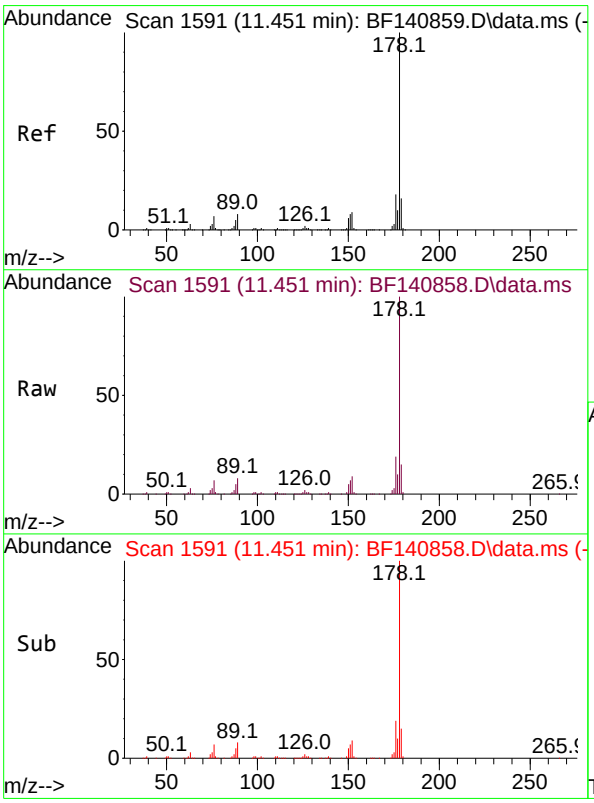

#71
Phenanthrene
Concen: 20.854 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:178 Resp: 321392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.2 |
| 179 | 15.3 | 12.1 | 18.1 |

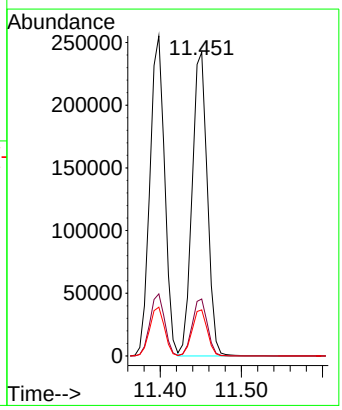


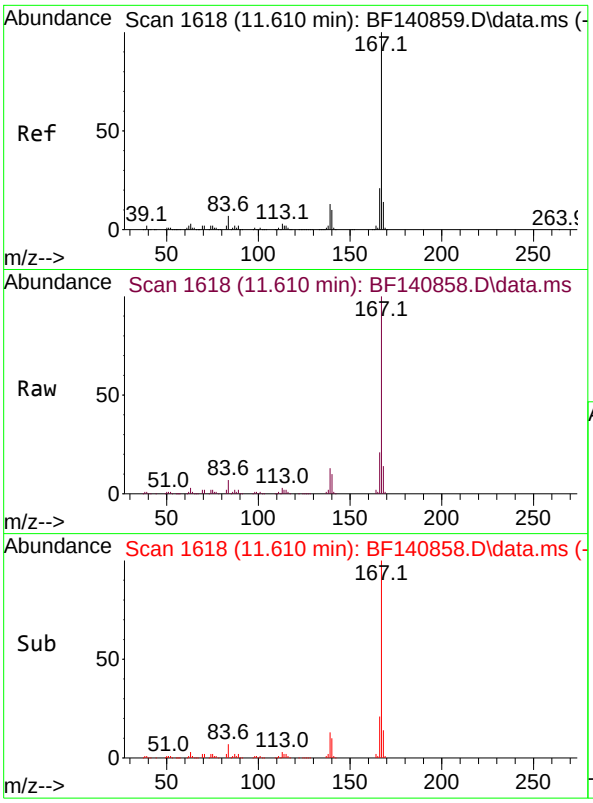




#72
Anthracene
Concen: 20.798 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:178 Resp: 315664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.6 | 22.0 |
| 179 | 15.2 | 12.6 | 18.8 |



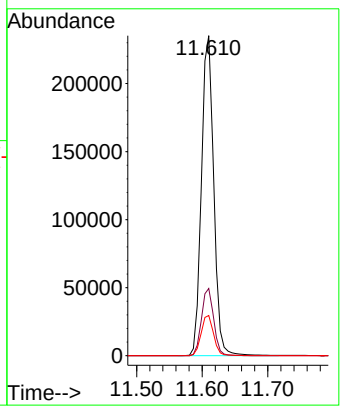


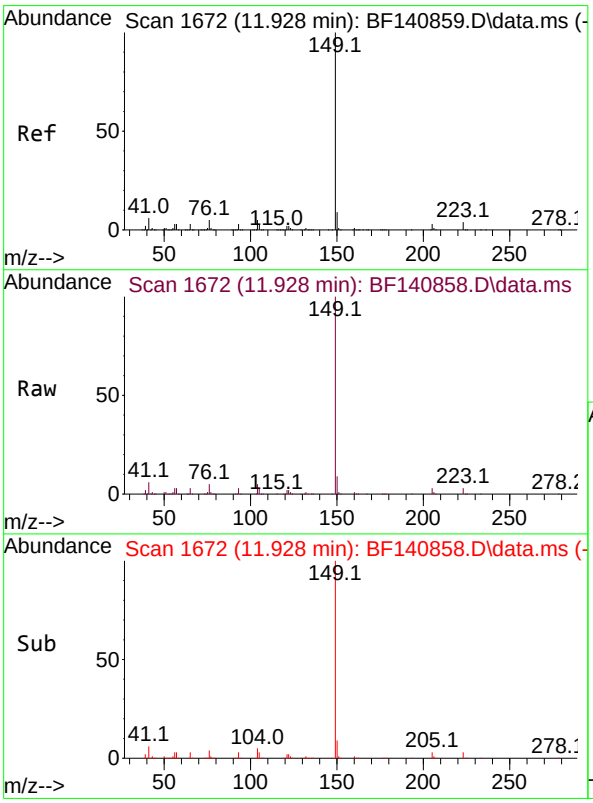

#73
Carbazole
Concen: 20.692 ng
RT: 11.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:167 Resp: 307615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.6 |
| 139 | 12.6 | 10.2 | 15.2 |

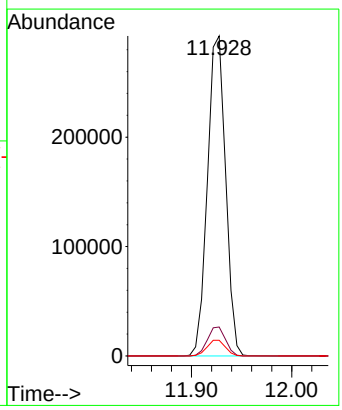


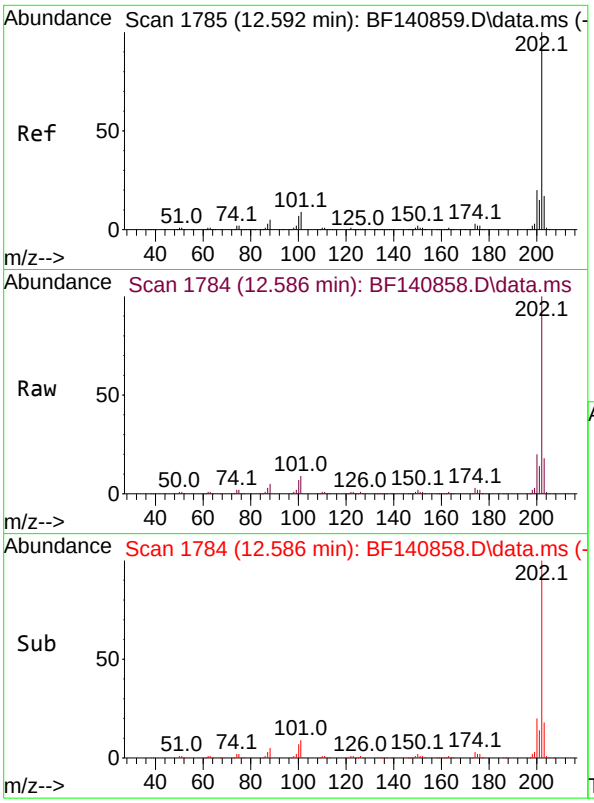




#74
Di-n-butylphthalate
Concen: 21.164 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 369257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



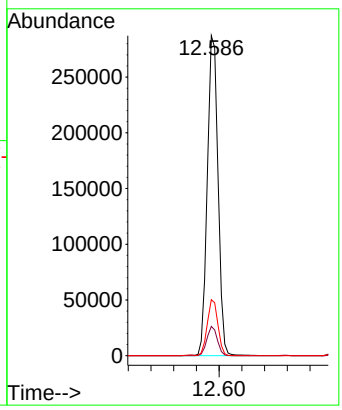


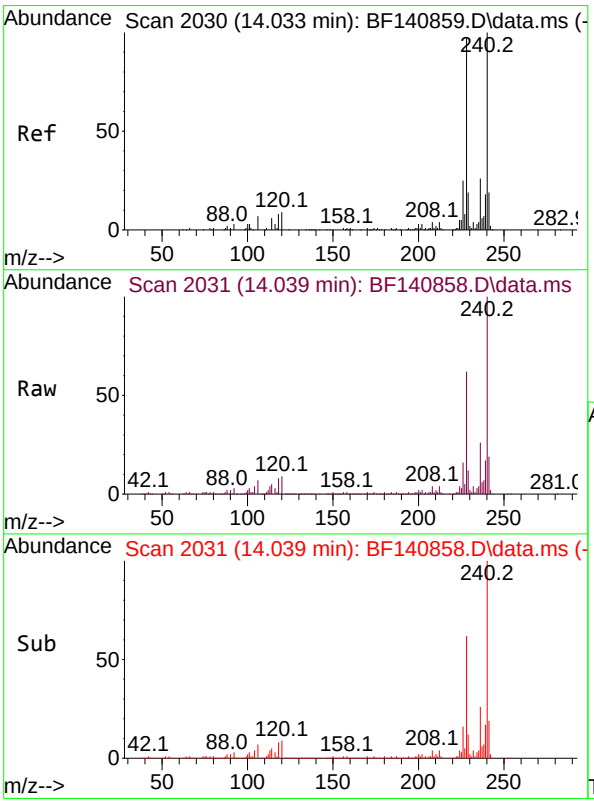

#75
Fluoranthene
Concen: 21.122 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:202 Resp: 374894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.3 |
| 203 | 17.5 | 0.0 | 37.4 |

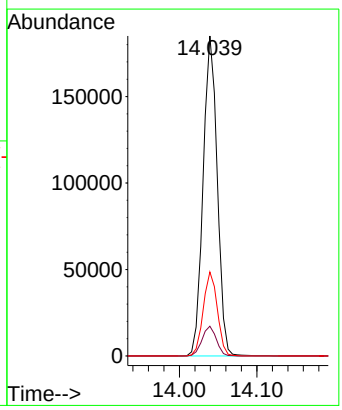


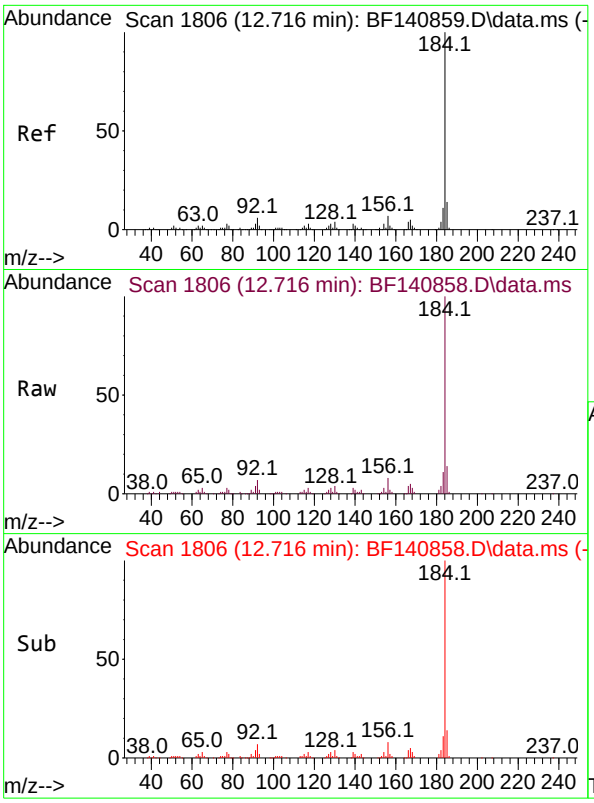




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:240 Resp: 234229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.3 | 7.6 | 11.4 |
| 236 | 26.3 | 20.5 | 30.7 |



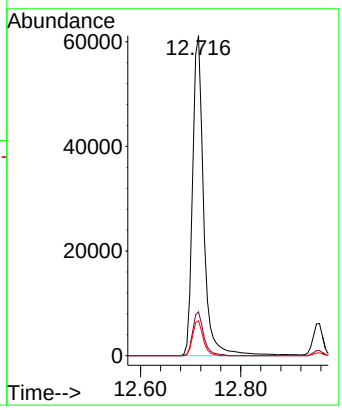


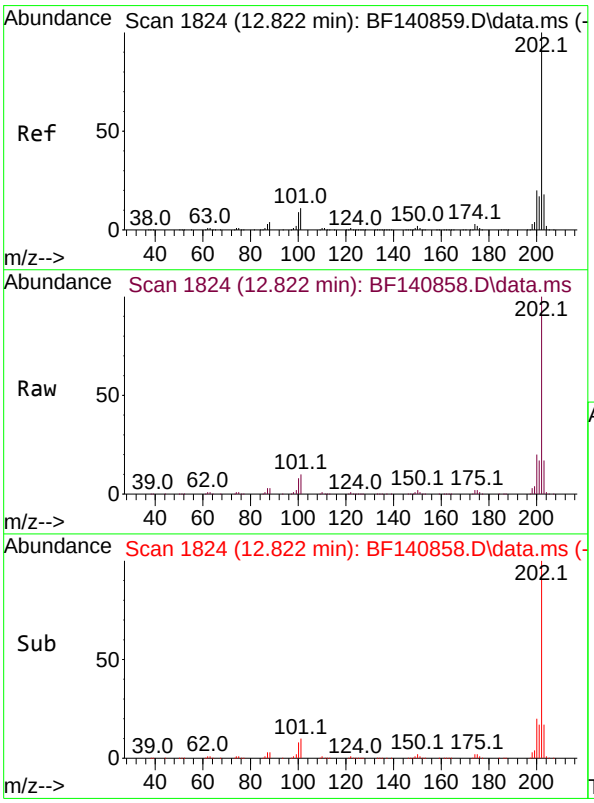

#77
Benzidine
Concen: 19.660 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:184 Resp: 93986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

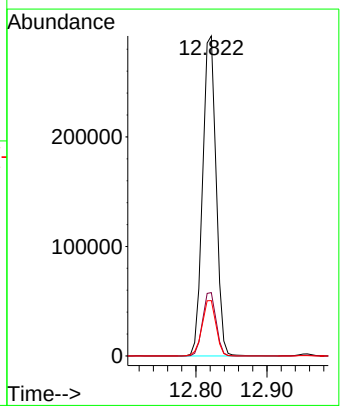


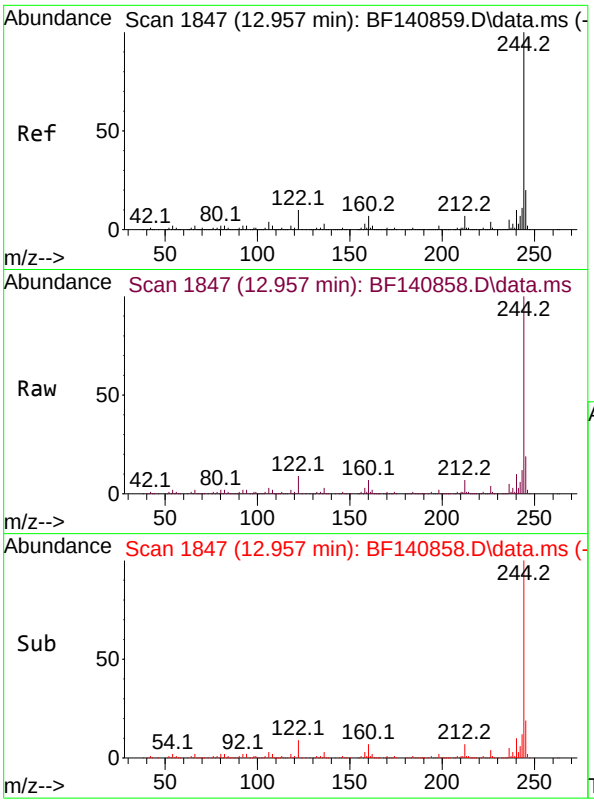




#78
Pyrene
Concen: 18.558 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:202 Resp: 386539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 16.1 | 24.1 |
| 203 | 17.3 | 14.2 | 21.4 |



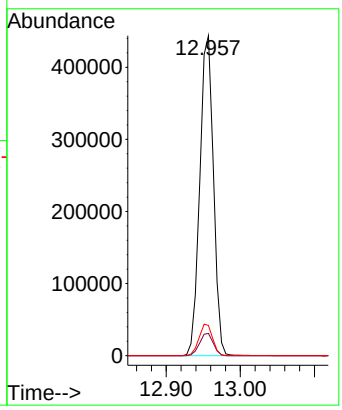


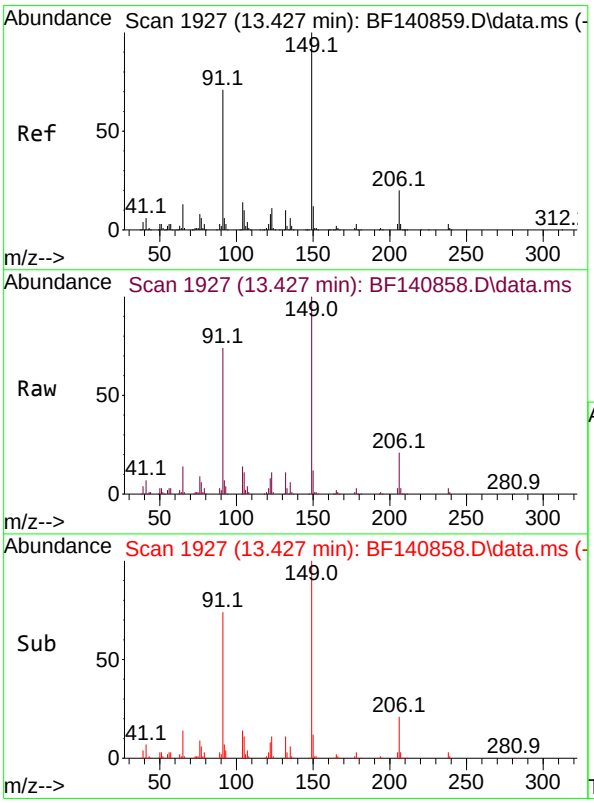

#79
Terphenyl-d14
Concen: 38.416 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:244 Resp: 570640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 9.5 | 8.2 | 12.2 |

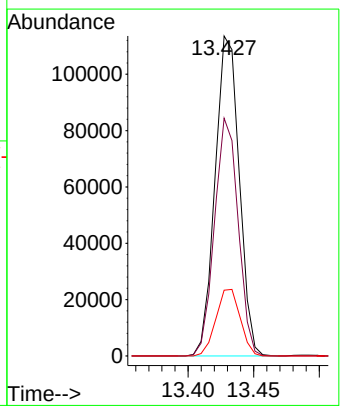


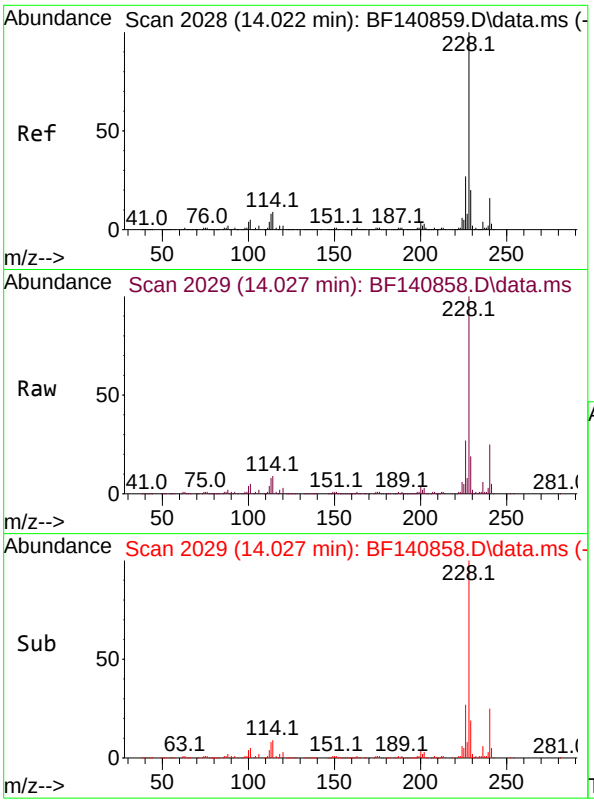




#80
Butylbenzylphthalate
Concen: 18.972 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 145401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.3 | 56.7 | 85.1 |
| 206 | 20.6 | 16.4 | 24.6 |



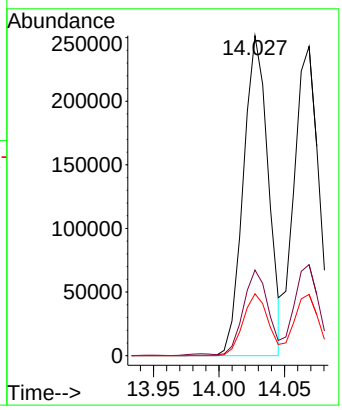


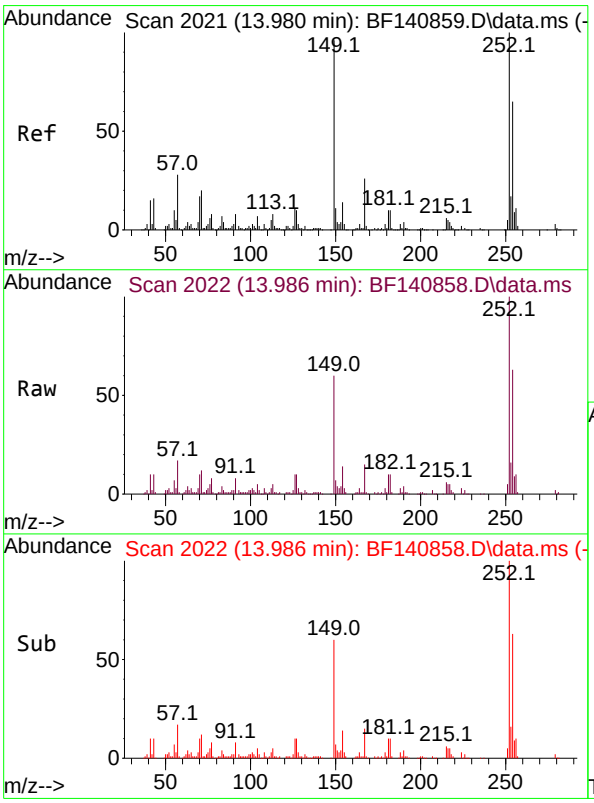

#81
Benzo(a)anthracene
Concen: 20.050 ng
RT: 14.027 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:228 Resp: 332845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.3 | 15.8 | 23.8 |

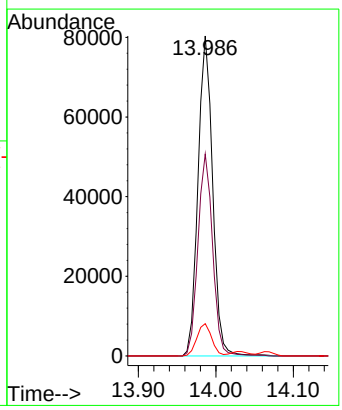


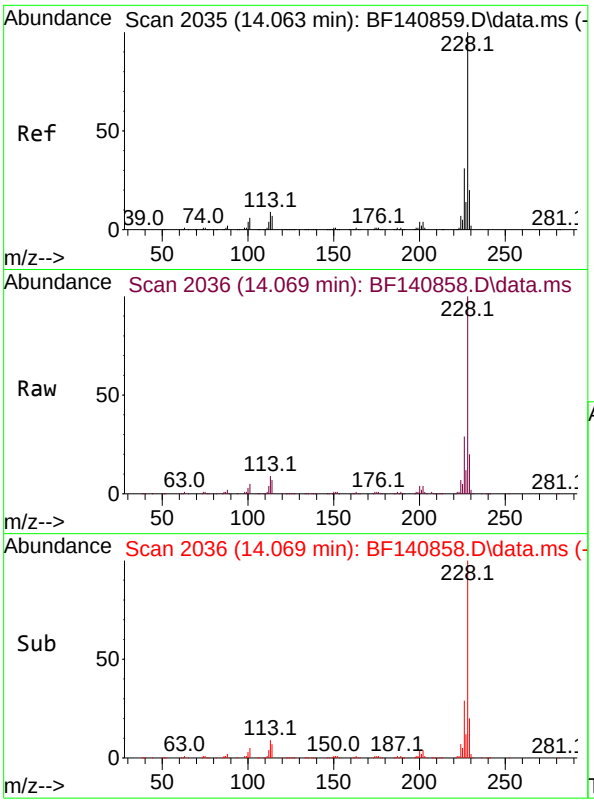




#82
3,3'-Dichlorobenzidine
Concen: 20.989 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 105124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.3 | 78.5 |
| 126 | 10.1 | 8.4 | 12.6 |



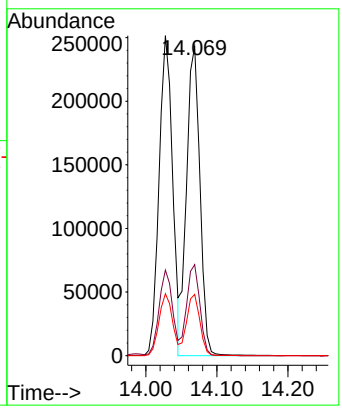


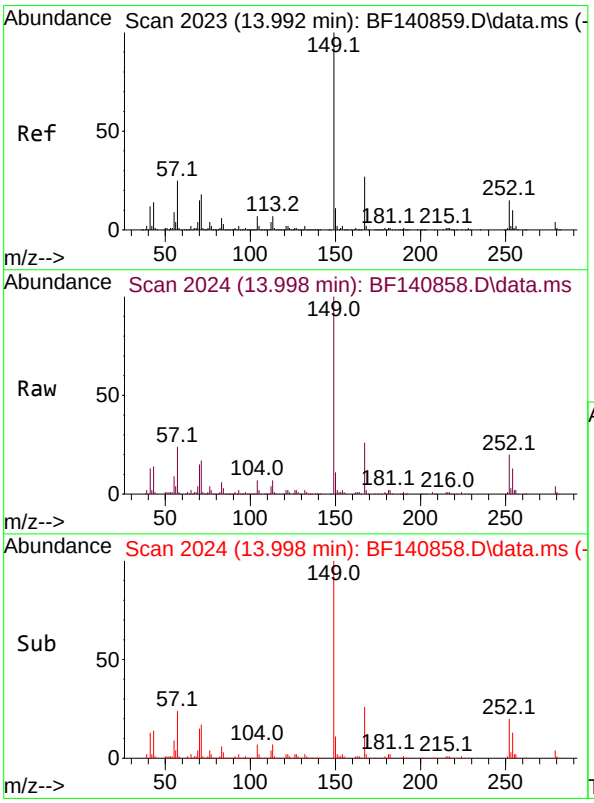

#83
Chrysene
Concen: 21.160 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:228 Resp: 319417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

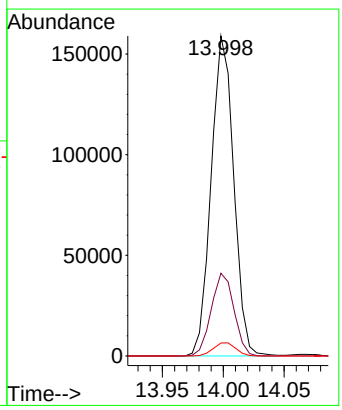


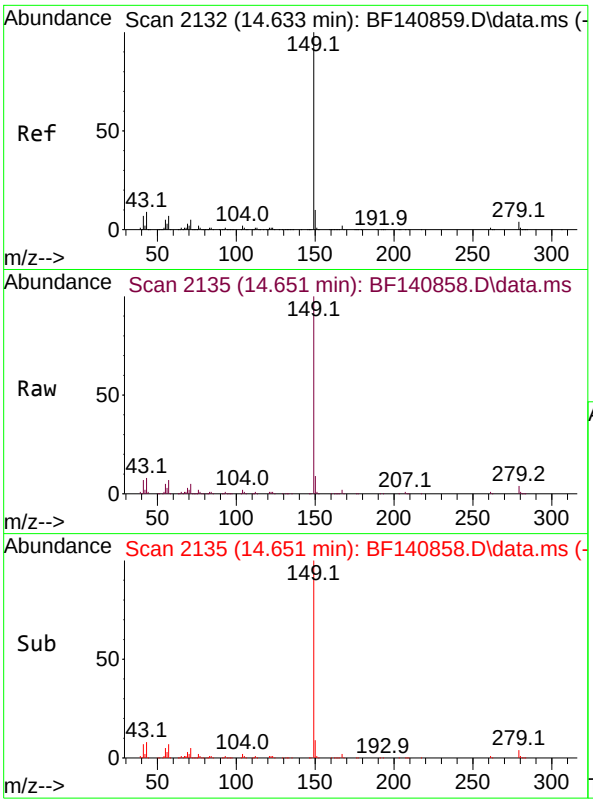




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.740 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 204953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.9 | 21.8 | 32.8 |
| 279 | 4.0 | 3.5 | 5.3 |



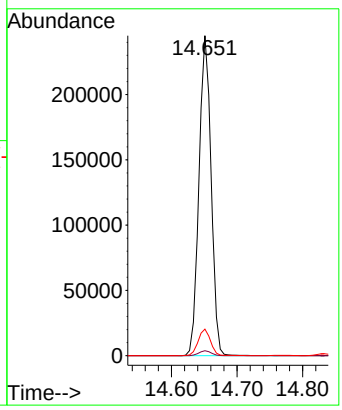


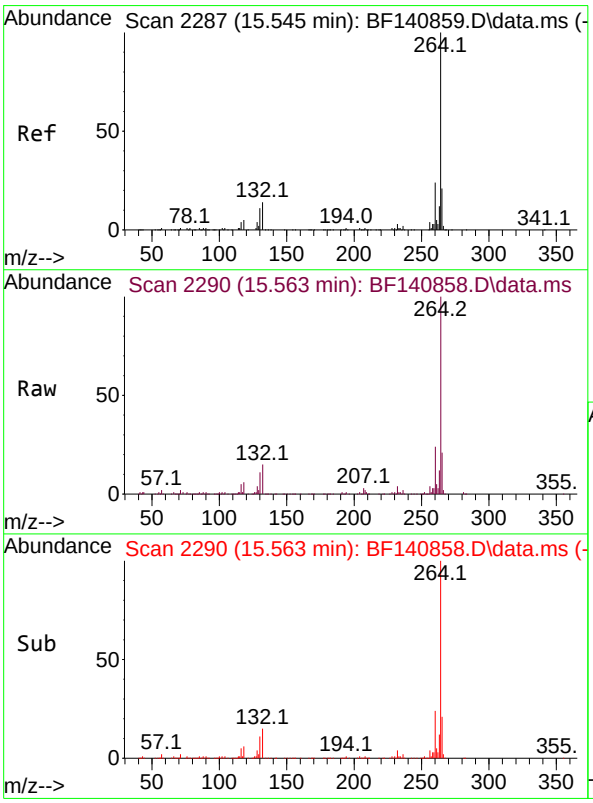

#85
Di-n-octyl phthalate
Concen: 21.125 ng
RT: 14.651 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:149 Resp: 315841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 7.0 | 10.6 |

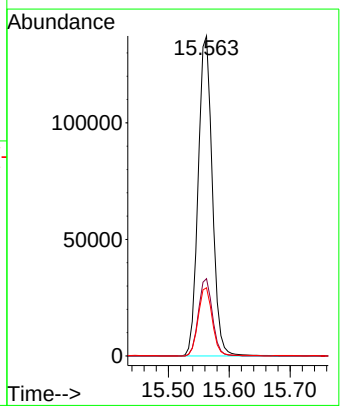


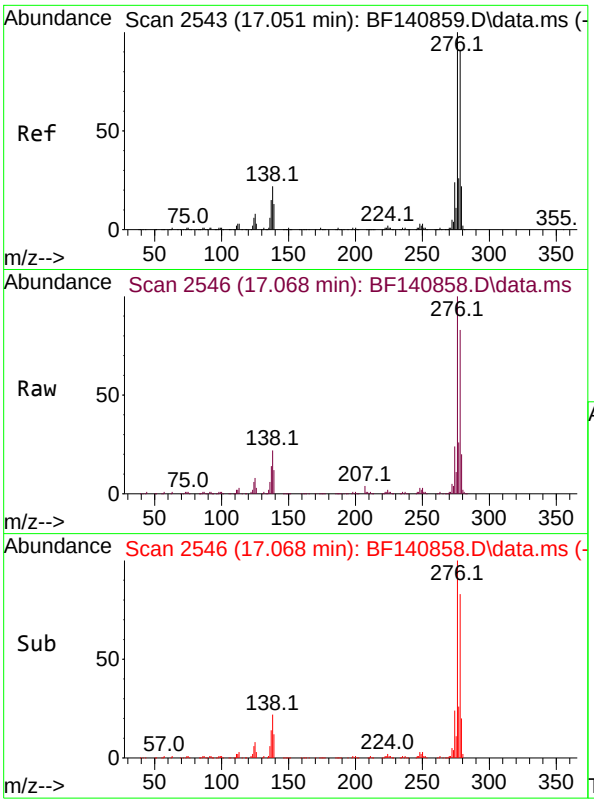




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:264 Resp: 220576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.1 | 28.7 |
| 265 | 21.3 | 17.0 | 25.4 |



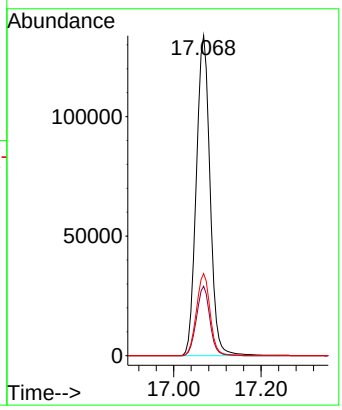


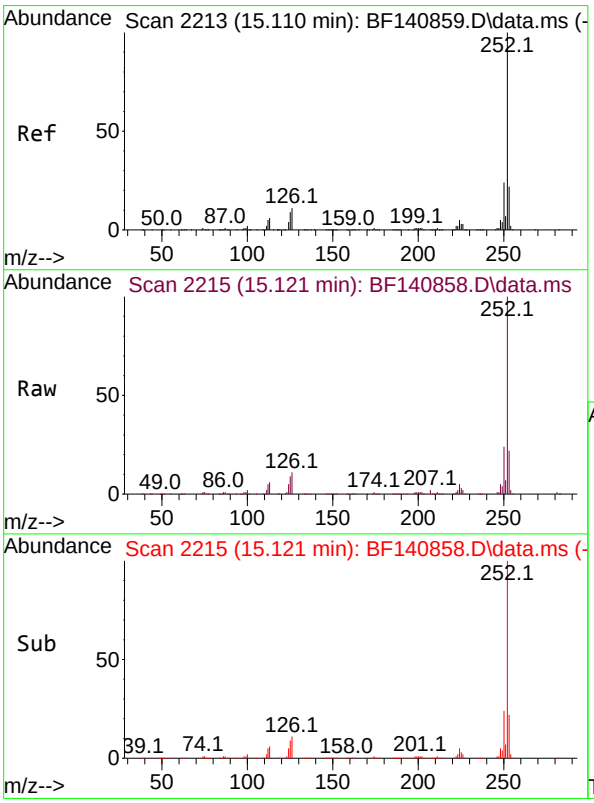

#87
Indeno(1,2,3-cd)pyrene
Concen: 21.315 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:276 Resp: 293402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 16.9 | 25.3 |
| 277 | 25.5 | 20.2 | 30.4 |

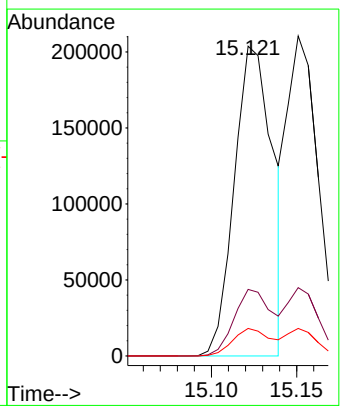


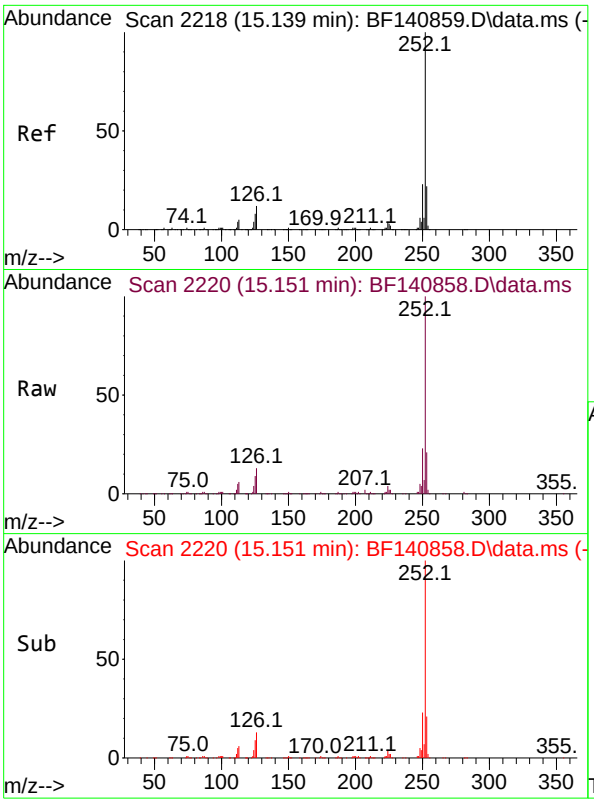




#88
Benzo(b)fluoranthene
Concen: 20.890 ng
RT: 15.121 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 319848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |



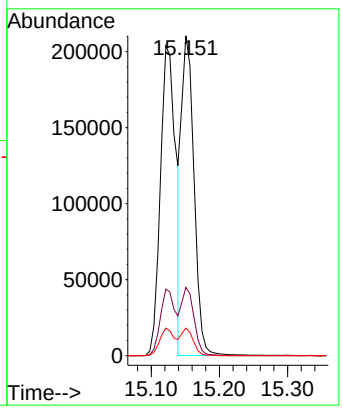


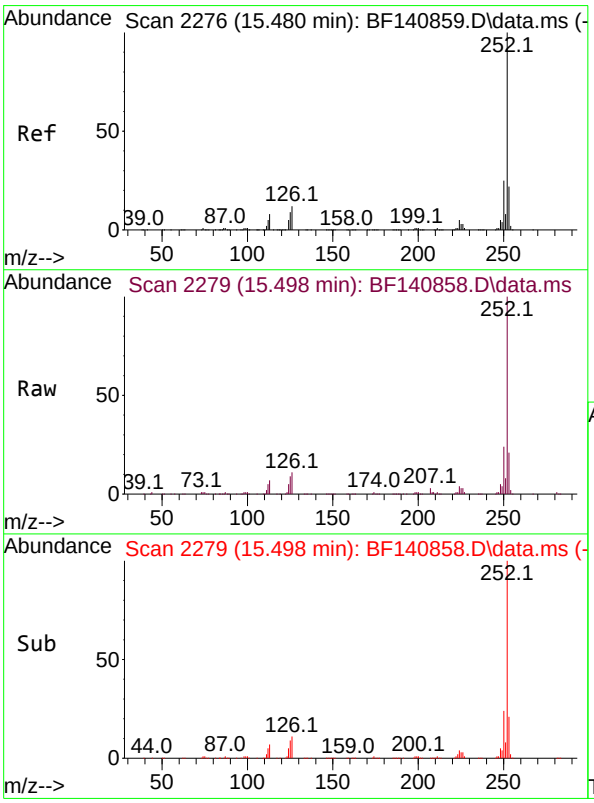

#89
Benzo(k)fluoranthene
Concen: 20.548 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:252 Resp: 269871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.5 | 26.3 |
| 125 | 8.6 | 6.8 | 10.2 |

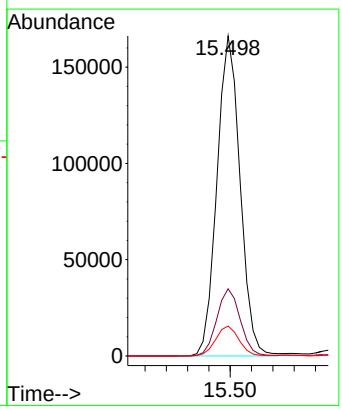


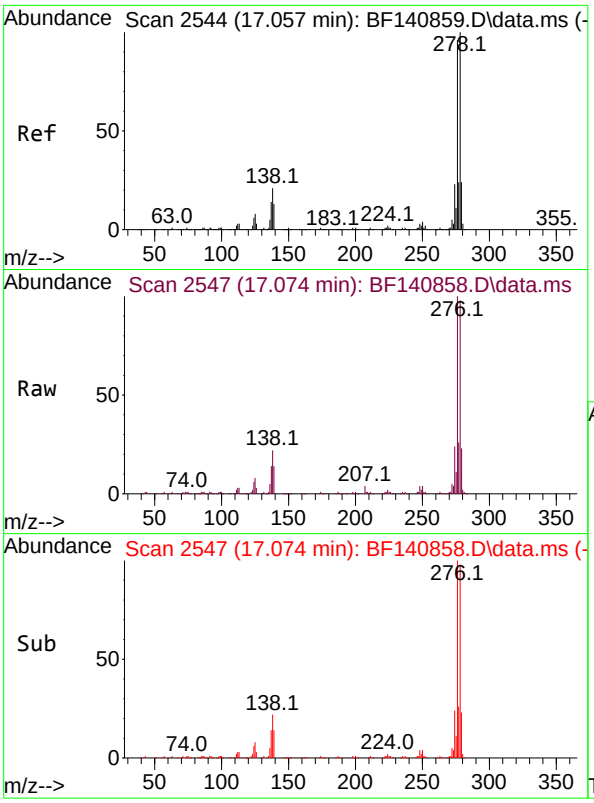




#90
Benzo(a)pyrene
Concen: 20.861 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 250110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.5 | 26.3 |
| 125 | 9.4 | 7.5 | 11.3 |



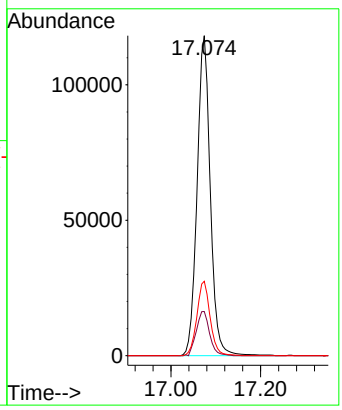


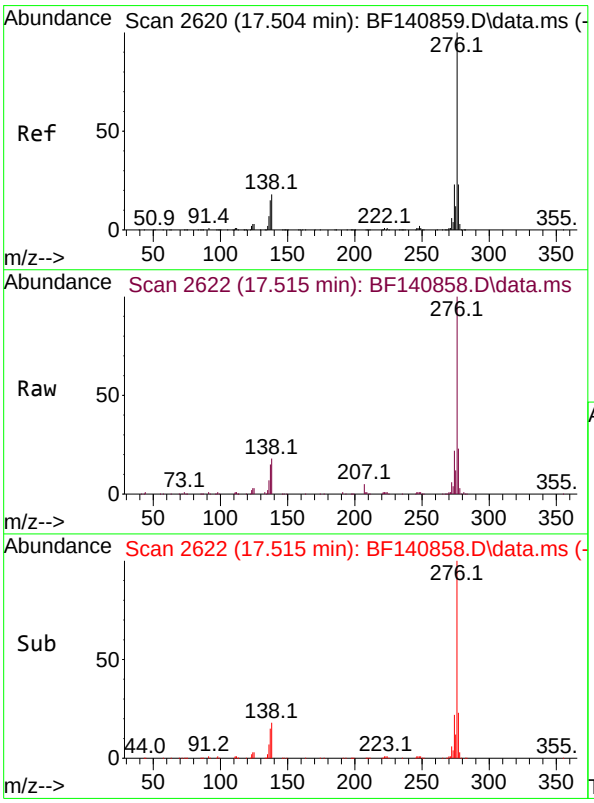

#91
Dibenzo(a,h)anthracene
Concen: 21.117 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:278 Resp: 240810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.3 | 19.2 | 28.8 |

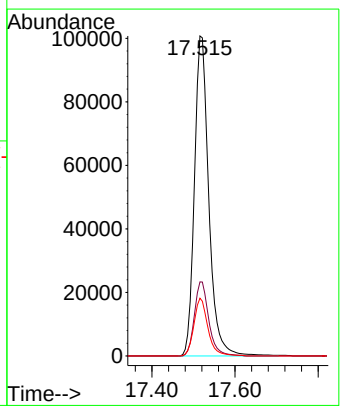



#92
Benzo(g,h,i)perylene
Concen: 20.785 ng
RT: 17.515 min Scan# 2622
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:276 Resp: 241228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.7 | 28.1 |
| 138 | 18.0 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 77674 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 293537 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 179301 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 361848 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 241027 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 202727 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 372670 | 78.982 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 486855 | 77.902 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 461011 | 78.576 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.681 | 330 | 172188 | 81.197 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 981889 | 75.290 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1163098 | 76.093 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 78111 | 38.433 | ng | 100 |
| 3) Pyridine | 3.405 | 79 | 189803 | 40.326 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 93747 | 39.510 | ng | 100 |
| 6) Aniline | 6.516 | 93 | 213440 | 39.944 | ng | 100 |
| 8) 2-Chlorophenol | 6.646 | 128 | 202098 | 39.277 | ng | 100 |
| 9) Benzaldehyde | 6.410 | 77 | 134222 | 38.761 | ng | 100 |
| 10) Phenol | 6.510 | 94 | 253259 | 39.100 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 190608 | 39.459 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 228181 | 38.918 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 232493 | 39.065 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 223134 | 39.737 | ng | 100 |
| 15) Benzyl Alcohol | 6.998 | 79 | 178597 | 39.968 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 223455 | 39.269 | ng | 100 |
| 17) 2-Methylphenol | 7.116 | 107 | 161380 | 39.284 | ng | 100 |
| 18) Hexachloroethane | 7.357 | 117 | 86395 | 38.994 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 143279 | 38.220 | ng | 100 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 210531 | 38.648 | ng | 100 |
| 22) Acetophenone | 7.263 | 105 | 289650 | 39.446 | ng | 100 |
| 24) Nitrobenzene | 7.434 | 77 | 235847 | 39.238 | ng | 100 |
| 25) Isophorone | 7.675 | 82 | 381938 | 38.852 | ng | 100 |
| 26) 2-Nitrophenol | 7.751 | 139 | 109806 | 39.666 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.793 | 122 | 128970 | 39.892 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 244652 | 39.846 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 175409 | 39.299 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 200471 | 39.180 | ng | 100 |
| 31) Naphthalene | 8.151 | 128 | 626585 | 38.860 | ng | 100 |
| 32) Benzoic acid | 7.940 | 122 | 124210 | 40.510 | ng | 100 |
| 33) 4-Chloroaniline | 8.204 | 127 | 211976 | 39.582 | ng | 100 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 136482 | 39.646 | ng | 100 |
| 35) Caprolactam | 8.587 | 113 | 53059 | 39.930 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 198298 | 39.473 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 423369 | 39.693 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 414363 | 39.281 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 208141 | 37.768 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.987 | 237 | 50793 | 39.476 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 130363 | 38.631 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

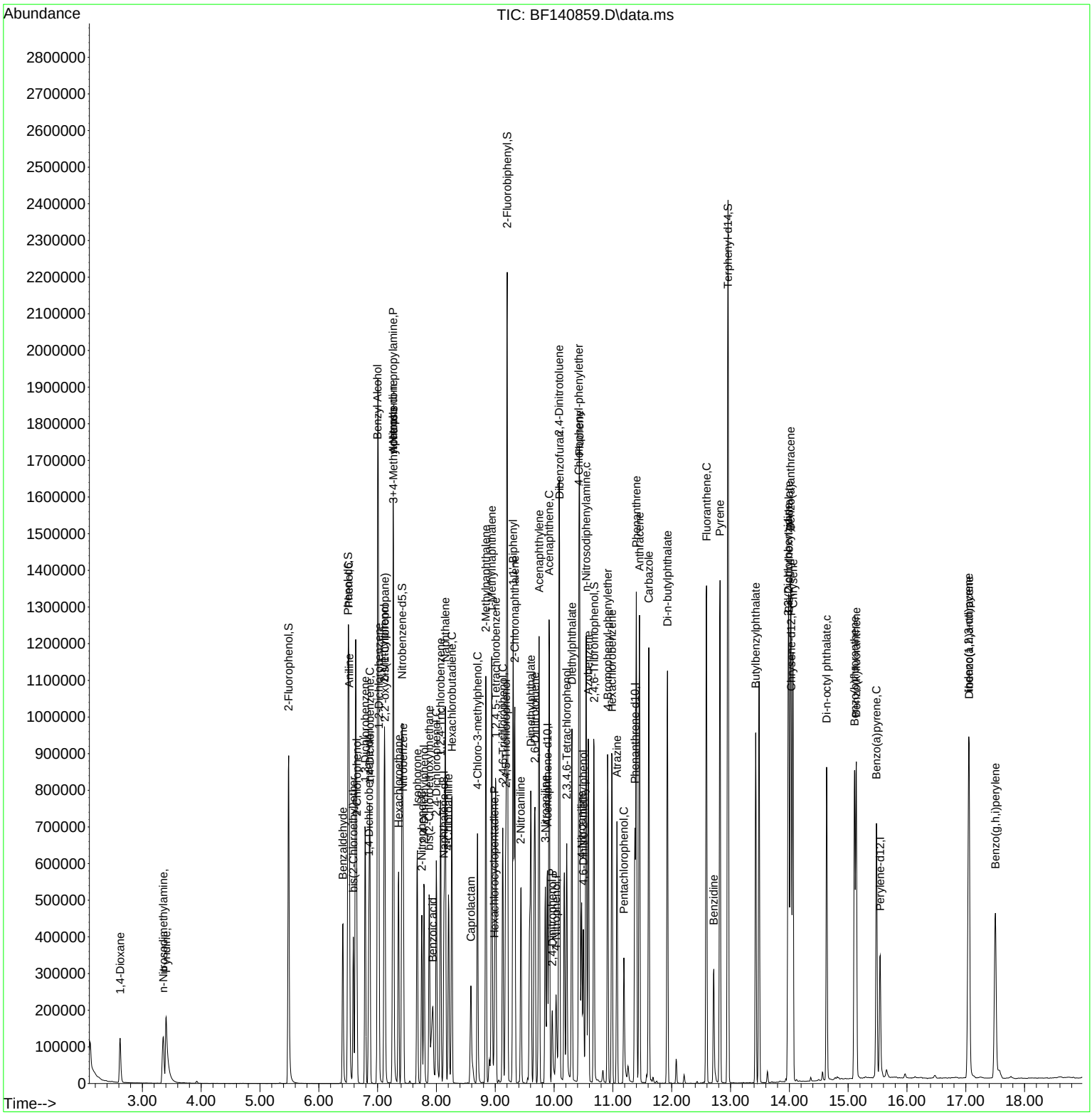
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 142411 | 38.395 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 542419 | 38.044 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 419357 | 38.447 | ng | 100 |
| 48) 2-Nitroaniline | 9.434 | 65 | 128421 | 38.984 | ng | 100 |
| 49) Acenaphthylene | 9.745 | 152 | 621763 | 38.790 | ng | 100 |
| 50) Dimethylphthalate | 9.604 | 163 | 487517 | 38.566 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.675 | 165 | 111990 | 38.752 | ng | 100 |
| 52) Acenaphthene | 9.916 | 154 | 398965 | 38.965 | ng | 100 |
| 53) 3-Nitroaniline | 9.851 | 138 | 113227 | 39.481 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 47982 | 37.788 | ng | 100 |
| 55) Dibenzofuran | 10.092 | 168 | 619833 | 39.066 | ng | 100 |
| 56) 4-Nitrophenol | 10.034 | 139 | 59043 | 40.590 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 150199 | 39.502 | ng | 100 |
| 58) Fluorene | 10.434 | 166 | 517920 | 39.568 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 127023 | 42.028 | ng | 100 |
| 60) Diethylphthalate | 10.304 | 149 | 516146 | 39.375 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 256836 | 39.062 | ng | 100 |
| 62) 4-Nitroaniline | 10.469 | 138 | 121143 | 40.423 | ng | 100 |
| 63) Azobenzene | 10.581 | 77 | 490731 | 39.821 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 84370 | 41.148 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 433296 | 38.947 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 159117 | 39.307 | ng | 100 |
| 68) Hexachlorobenzene | 10.986 | 284 | 177811 | 38.742 | ng | 100 |
| 69) Atrazine | 11.069 | 200 | 121493 | 39.101 | ng | 100 |
| 70) Pentachlorophenol | 11.186 | 266 | 70638 | 42.072 | ng | 100 |
| 71) Phenanthrene | 11.398 | 178 | 711714 | 38.248 | ng | 100 |
| 72) Anthracene | 11.451 | 178 | 702321 | 38.326 | ng | 100 |
| 73) Carbazole | 11.610 | 167 | 689096 | 38.392 | ng | 100 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 816942 | 38.782 | ng | 100 |
| 75) Fluoranthene | 12.592 | 202 | 817749 | 38.159 | ng | 100 |
| 77) Benzidine | 12.716 | 184 | 194791 | 39.598 | ng | 100 |
| 78) Pyrene | 12.822 | 202 | 818937 | 38.208 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 311465 | 39.493 | ng | 100 |
| 81) Benzo(a)anthracene | 14.022 | 228 | 654937 | 38.340 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 198481 | 38.511 | ng | 100 |
| 83) Chrysene | 14.063 | 228 | 612484 | 39.430 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 395970 | 38.939 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 589634 | 38.326 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 514416 | 40.662 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 524660 | 37.283 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 496310 | 41.115 | ng | 100 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 435015 | 39.478 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.057 | 278 | 428983 | 40.931 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.504 | 276 | 434898 | 40.771 | ng | 100 |

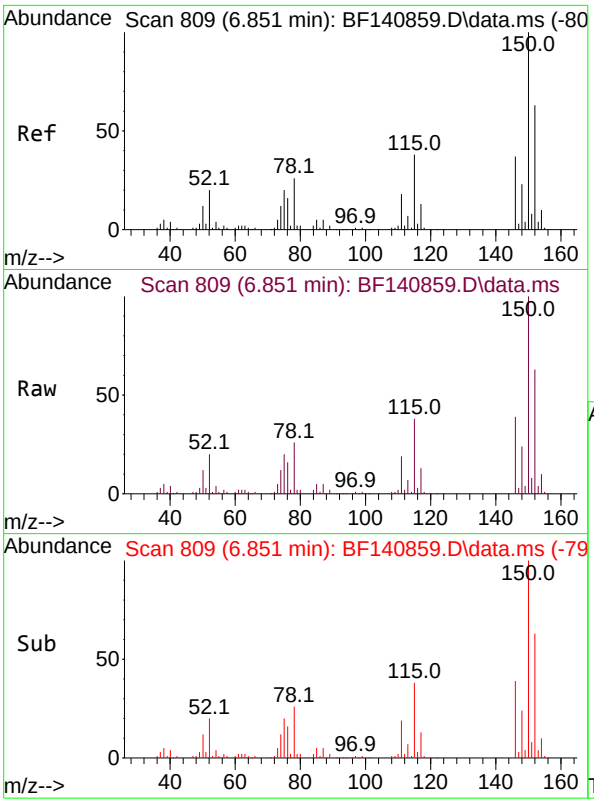
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



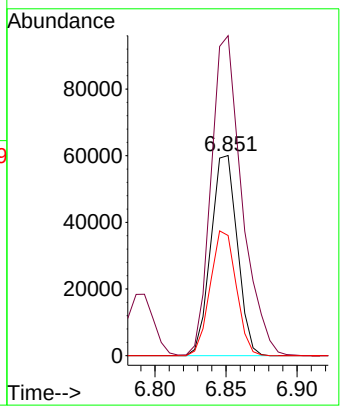


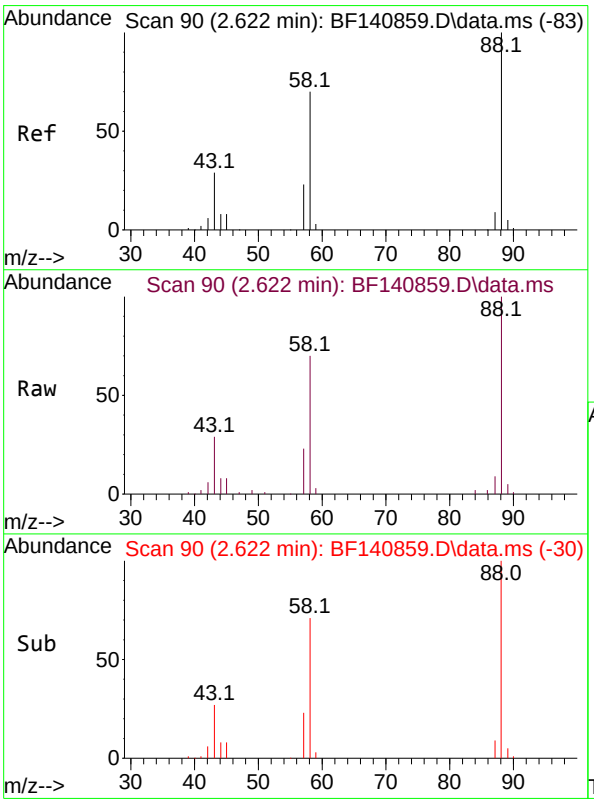

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 77674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.9 | 127.9 | 191.9 |
| 115 | 60.0 | 48.0 | 72.0 |

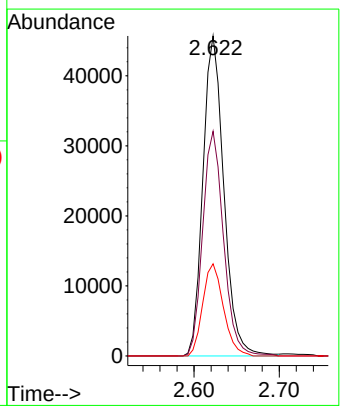


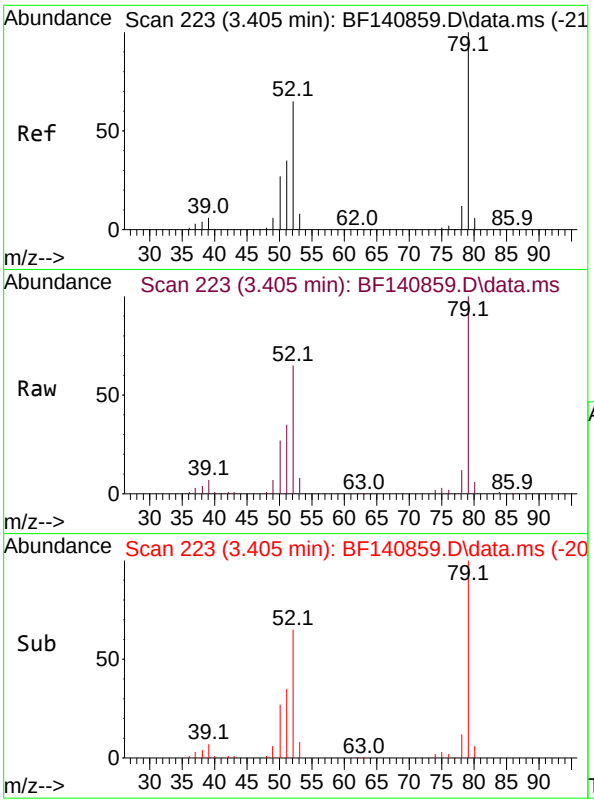




#2
1,4-Dioxane
Concen: 38.433 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 88 Resp: 78111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.8 | 55.8 | 83.8 |
| 43 | 28.4 | 22.7 | 34.1 |



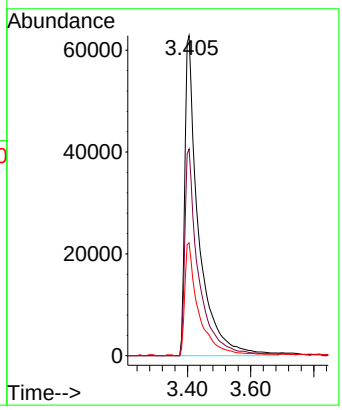


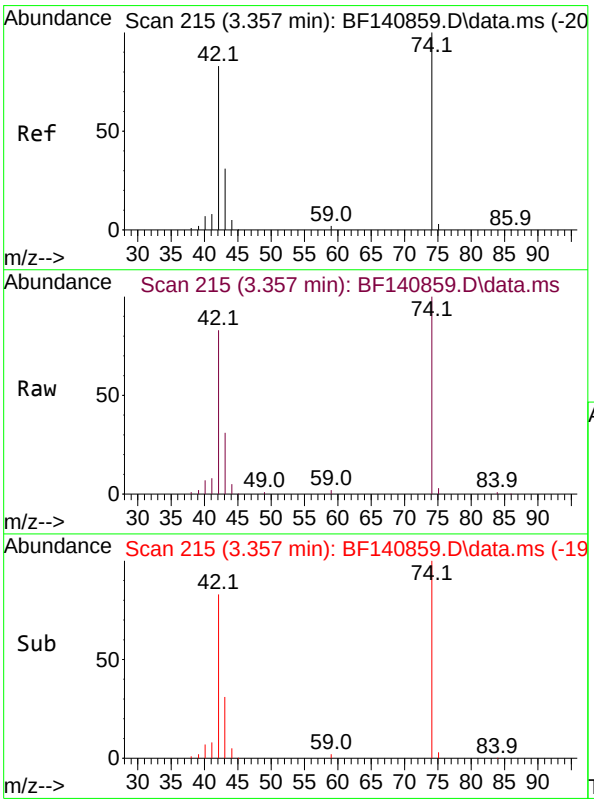

#3
Pyridine
Concen: 40.326 ng
RT: 3.405 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 189803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.6 | 51.7 | 77.5 |
| 51 | 35.3 | 28.2 | 42.4 |

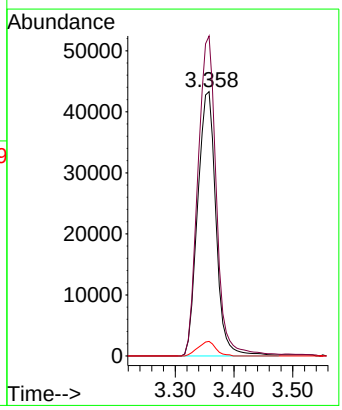


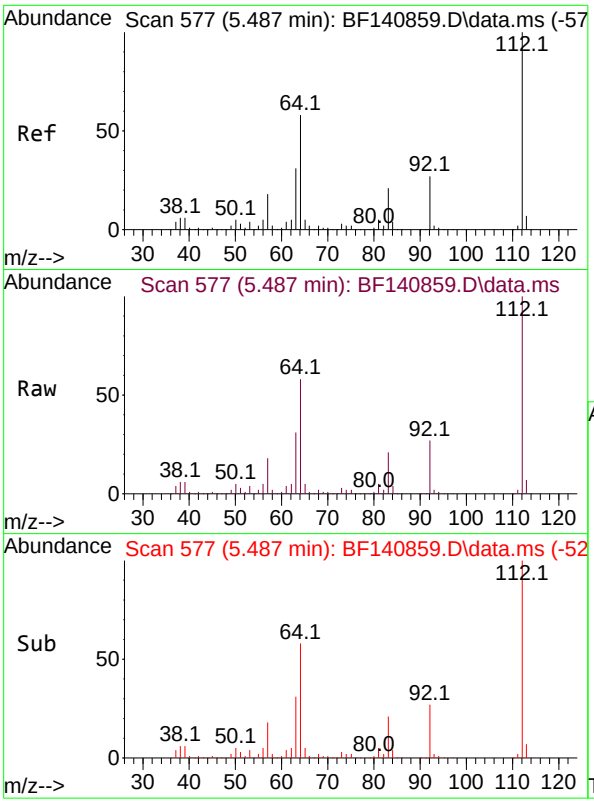




#4
n-Nitrosodimethylamine
Concen: 39.510 ng
RT: 3.357 min Scan# 215
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 42 Resp: 93747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 121.1 | 96.9 | 145.3 |
| 44 | 5.5 | 4.4 | 6.6 |



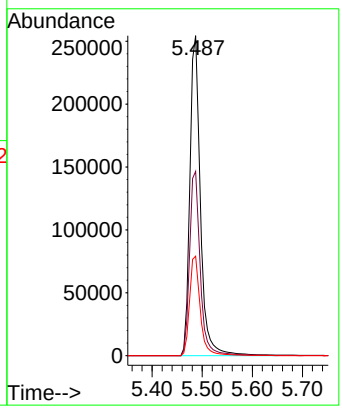


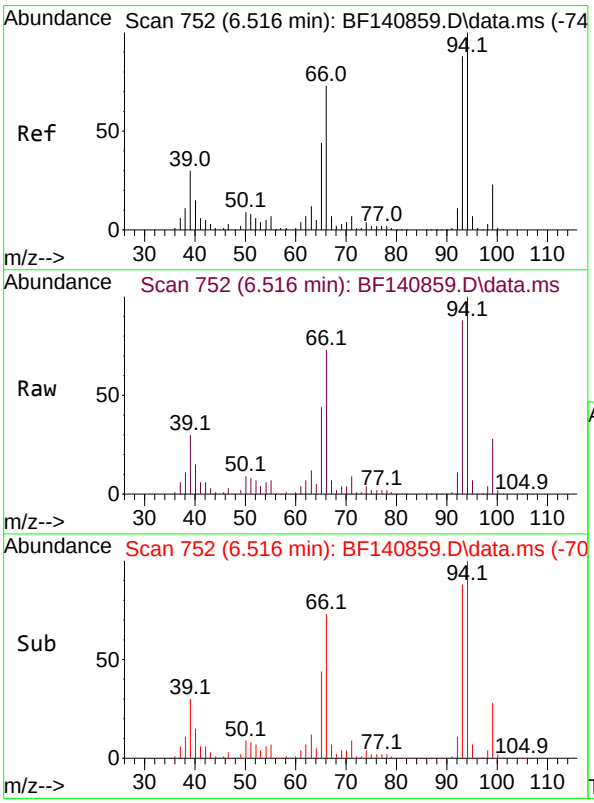

#5
2-Fluorophenol
Concen: 78.982 ng
RT: 5.487 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 372670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.6 | 46.1 | 69.1 |
| 63 | 31.1 | 24.9 | 37.3 |

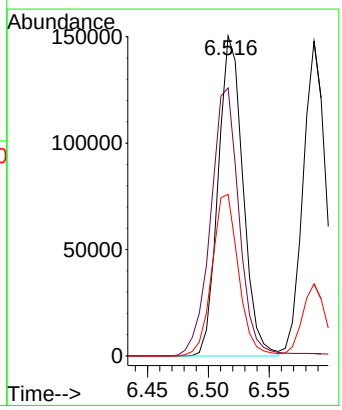


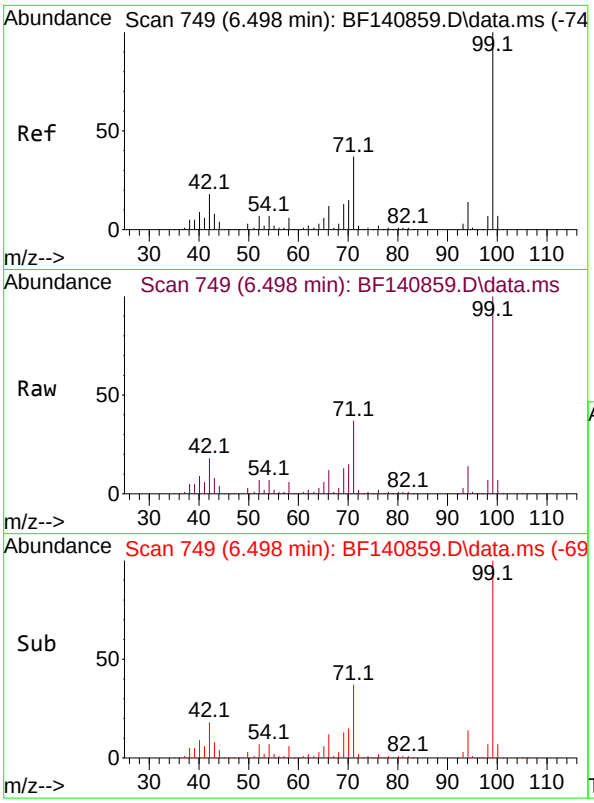




#6
Aniline
Concen: 39.944 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 93 Resp: 213440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 83.7 | 67.0 | 100.4 |
| 65 | 50.5 | 40.4 | 60.6 |



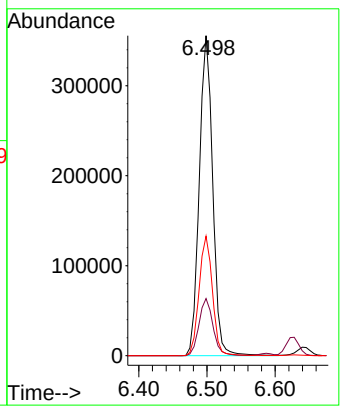


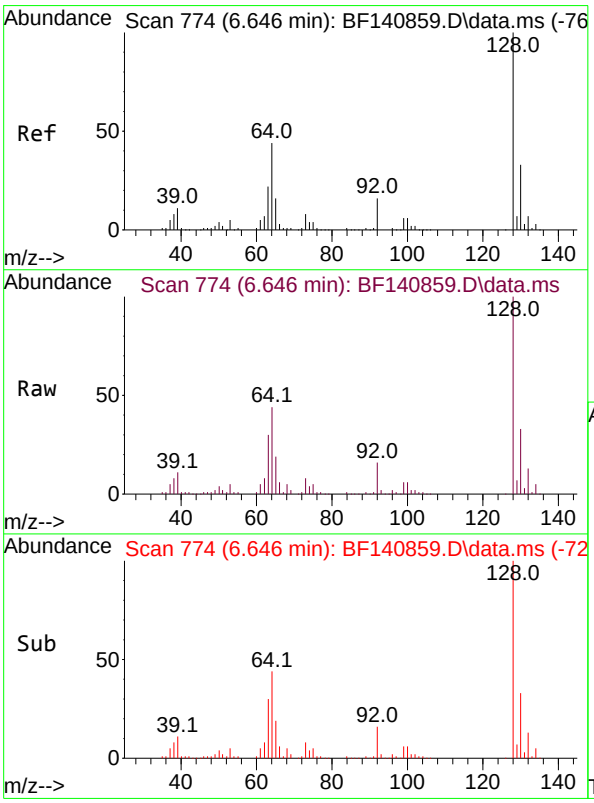

#7
Phenol-d6
Concen: 77.902 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 486855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.3 | 21.5 |
| 71 | 37.4 | 29.9 | 44.9 |

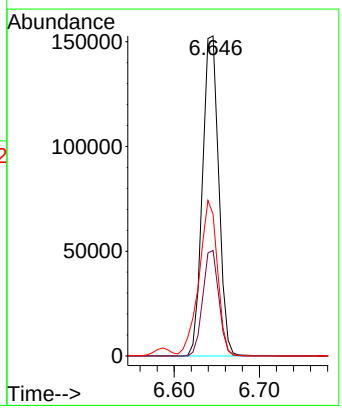


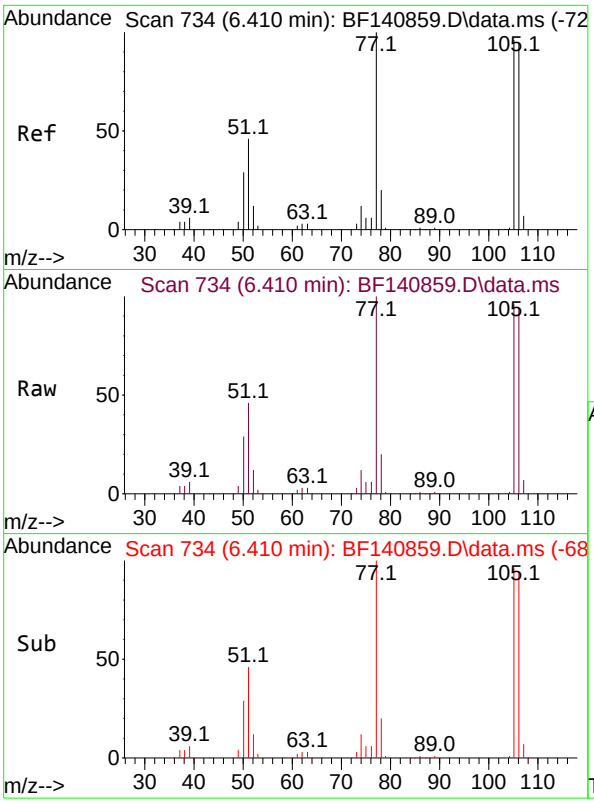




#8
2-Chlorophenol
Concen: 39.277 ng
RT: 6.646 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:128 Resp: 202098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.9 | 52.9 |
| 64 | 44.3 | 24.3 | 64.3 |



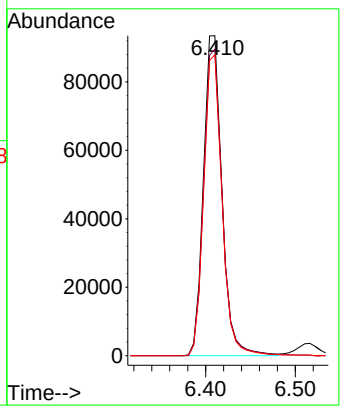


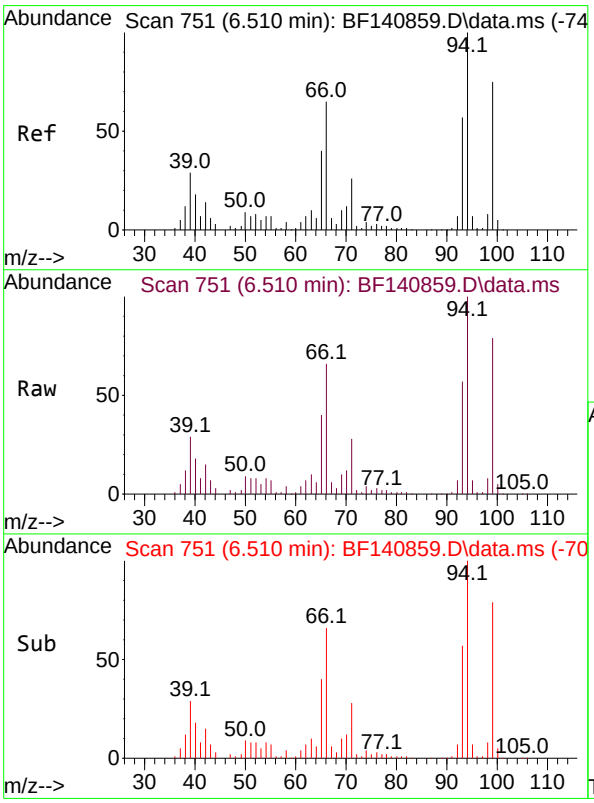

#9
Benzaldehyde
Concen: 38.761 ng
RT: 6.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 134222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.8 | 75.8 | 115.8 |
| 106 | 94.1 | 74.1 | 114.1 |

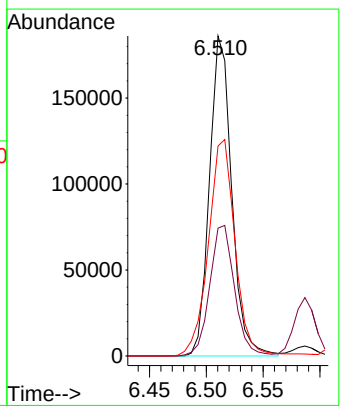


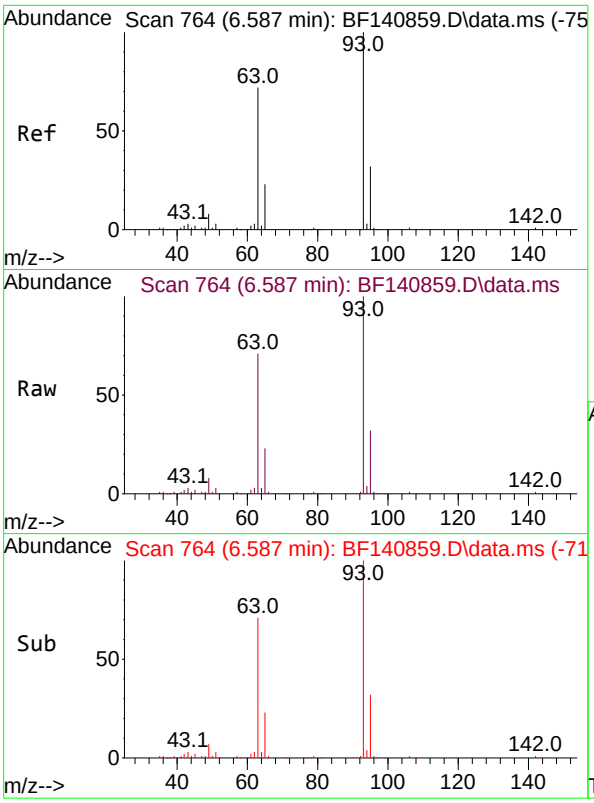




#10
Phenol
Concen: 39.100 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 94 Resp: 253259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.9 | 19.9 | 59.9 |
| 66 | 65.6 | 45.6 | 85.6 |



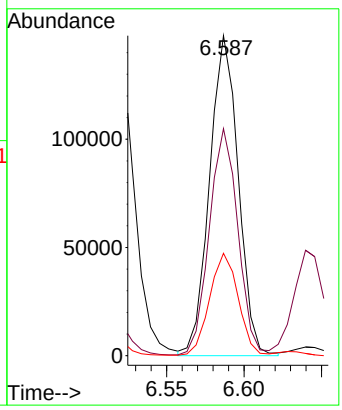


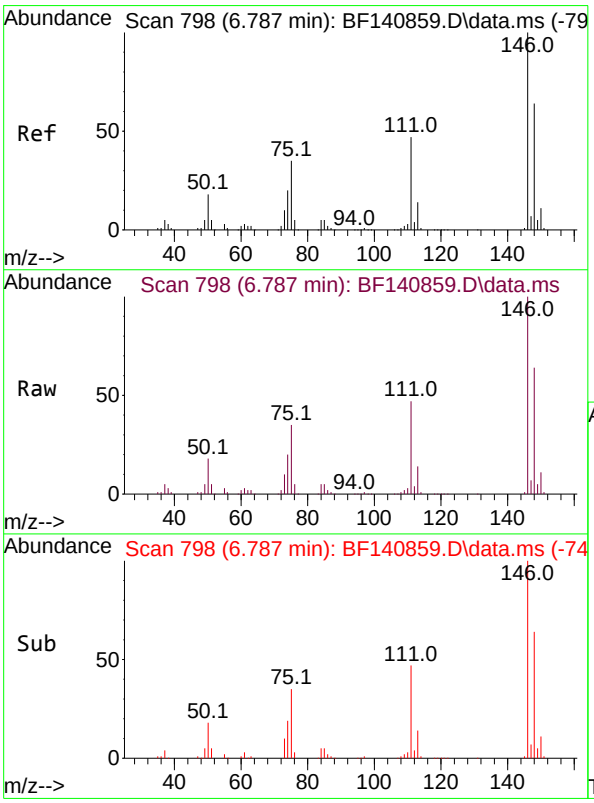

#11
bis(2-Chloroethyl)ether
Concen: 39.459 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 190608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.0 | 51.0 | 91.0 |
| 95 | 32.0 | 12.0 | 52.0 |

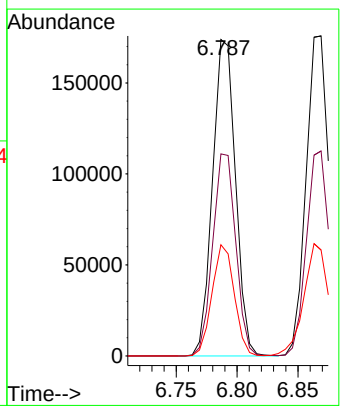


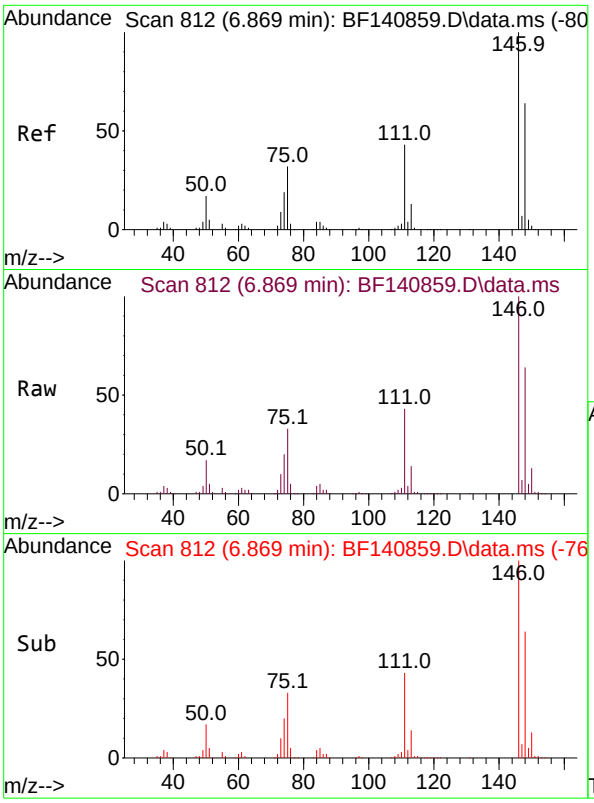




#12
1,3-Dichlorobenzene
Concen: 38.918 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:146 Resp: 228181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 75 | 35.1 | 28.1 | 42.1 |



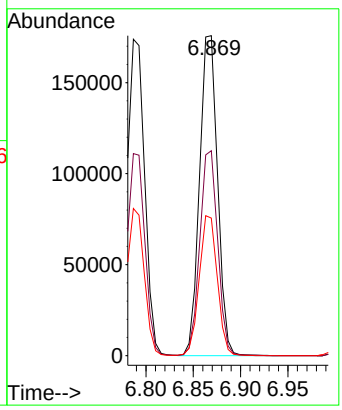


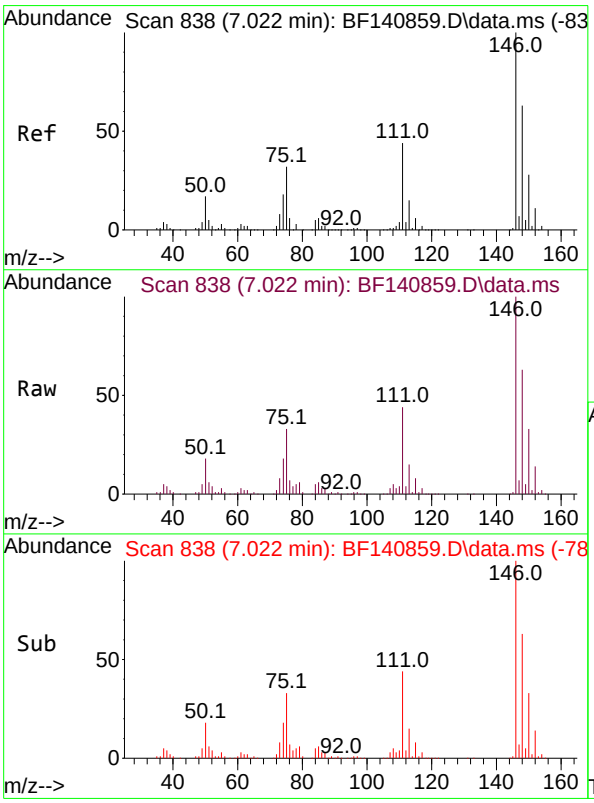

#13
1,4-Dichlorobenzene
Concen: 39.065 ng
RT: 6.869 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 232493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.3 | 76.9 |
| 111 | 43.0 | 34.4 | 51.6 |

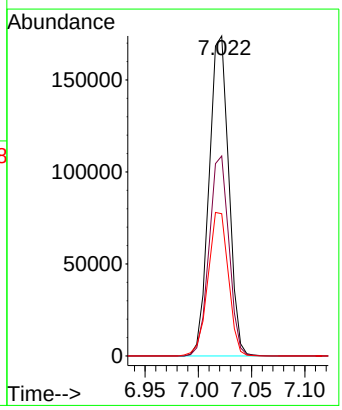


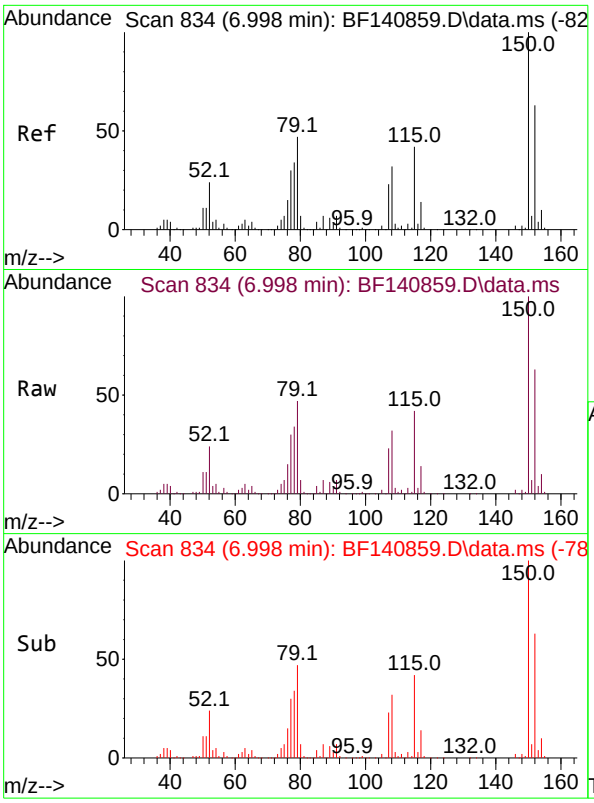




#14
1,2-Dichlorobenzene
Concen: 39.737 ng
RT: 7.022 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:146 Resp: 223134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.5 | 50.0 | 75.0 |
| 111 | 44.5 | 35.6 | 53.4 |



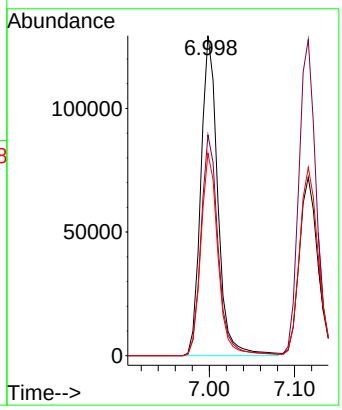


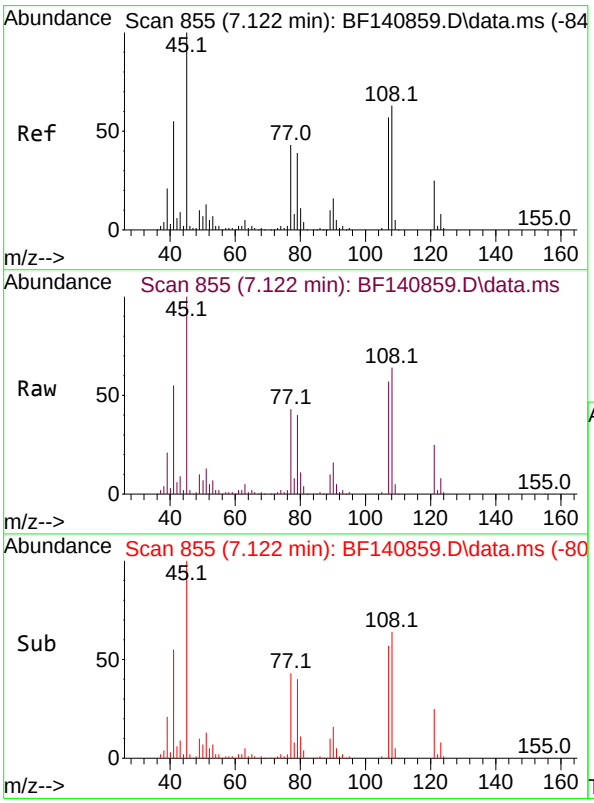

#15
Benzyl Alcohol
Concen: 39.968 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 178597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 68.9 | 55.1 | 82.7 |
| 77 | 63.3 | 50.6 | 76.0 |

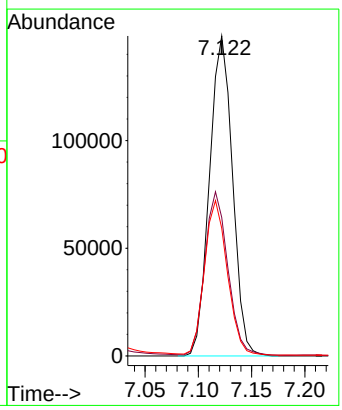


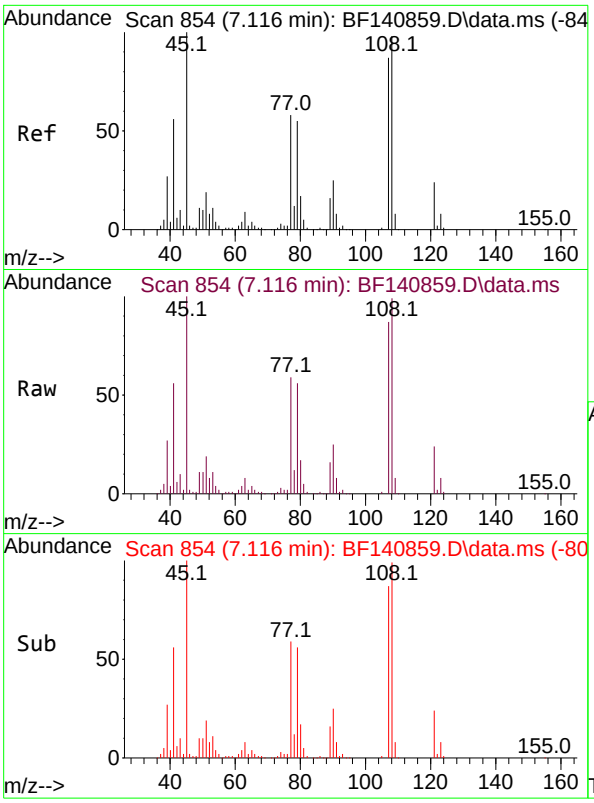




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.269 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 45 Resp: 223455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 43.3 | 23.3 | 63.3 |
| 79 | 40.0 | 20.0 | 60.0 |



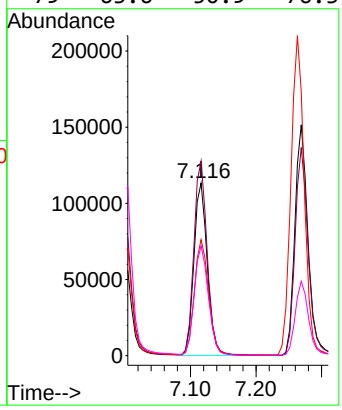


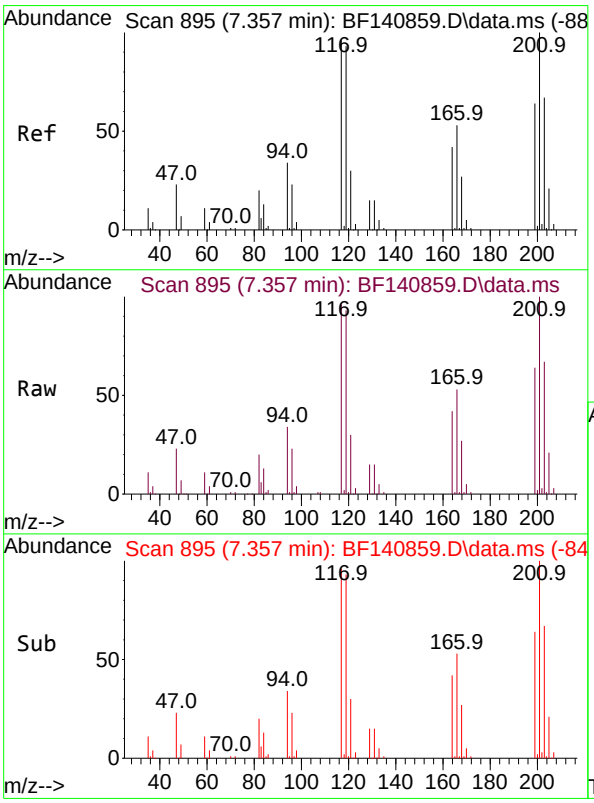

#17
2-Methylphenol
Concen: 39.284 ng
RT: 7.116 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 161380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.8 | 90.2 | 135.4 |
| 77 | 67.2 | 53.8 | 80.6 |
| 79 | 63.6 | 50.9 | 76.3 |

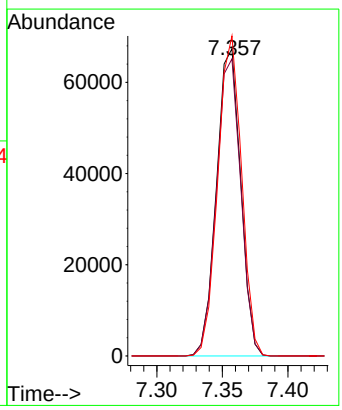


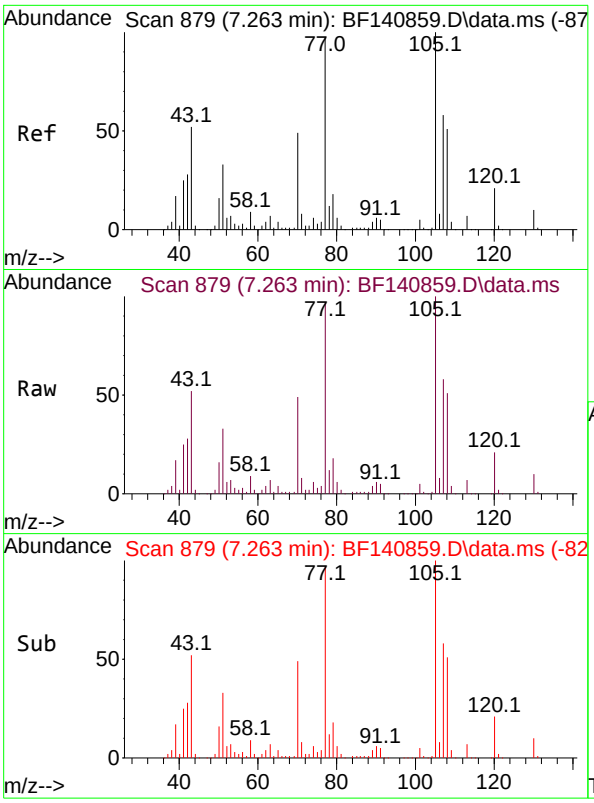




#18
Hexachloroethane
Concen: 38.994 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:117 Resp: 86395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 77.4 | 116.0 |
| 201 | 104.2 | 83.4 | 125.0 |



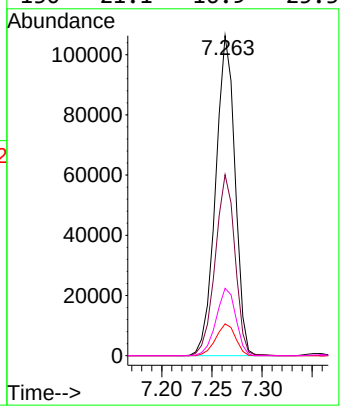


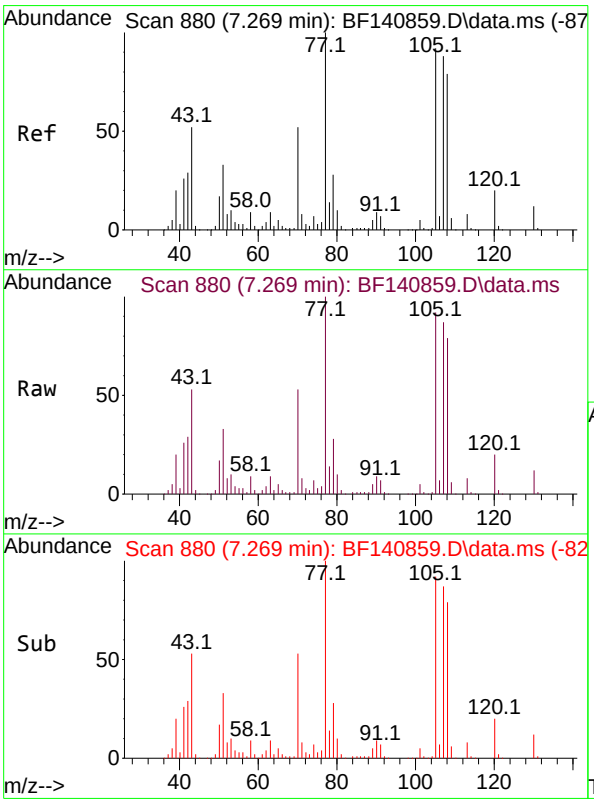

#19
n-Nitroso-di-n-propylamine
Concen: 38.220 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 143279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.6 | 45.3 | 67.9 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.1 | 16.9 | 25.3 |

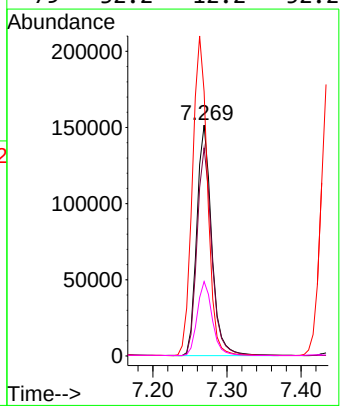


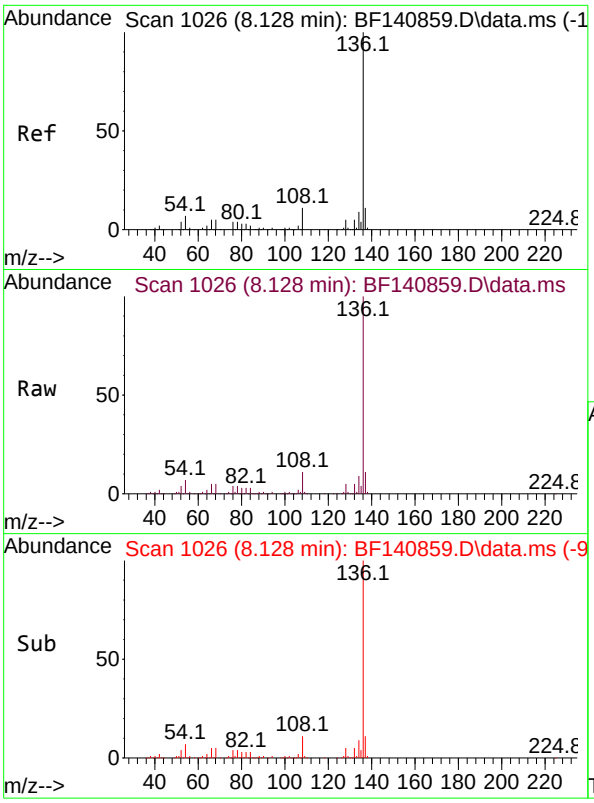




#20
3+4-Methylphenols
Concen: 38.648 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:107 Resp: 210531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 70.1 | 110.1 |
| 77 | 114.4 | 94.4 | 134.4 |
| 79 | 32.2 | 12.2 | 52.2 |



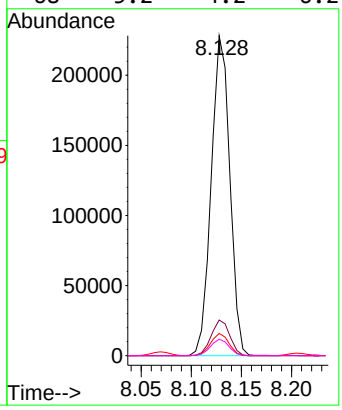


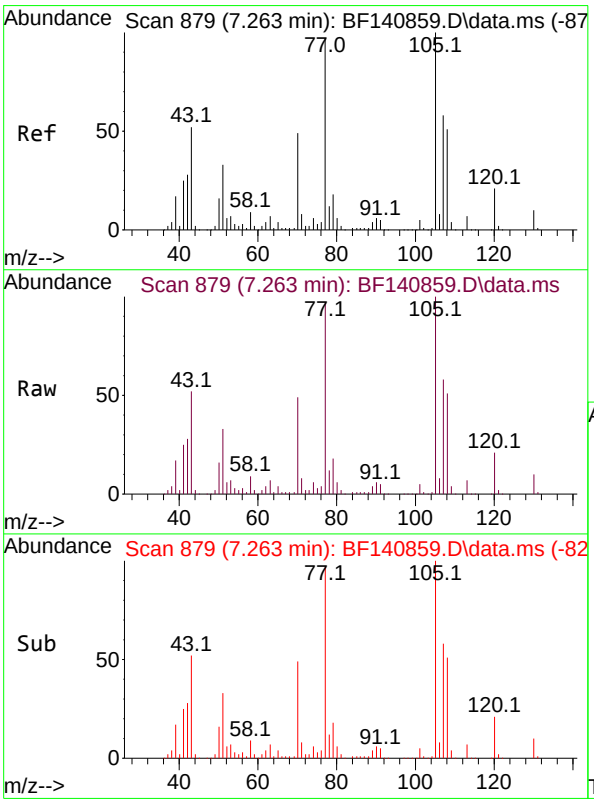

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 293537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 7.0 | 5.6 | 8.4 |
| 68 | 5.2 | 4.2 | 6.2 |

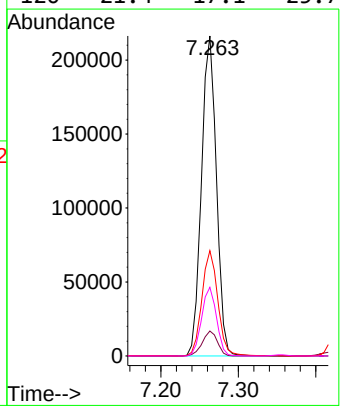


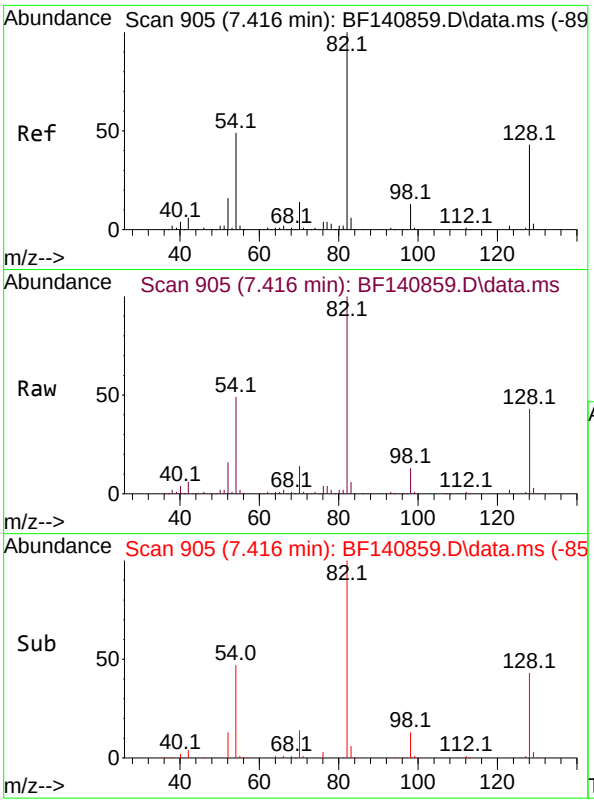




#22
Acetophenone
Concen: 39.446 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:105 Resp: 289650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 6.2 | 9.4 |
| 51 | 32.9 | 26.3 | 39.5 |
| 120 | 21.4 | 17.1 | 25.7 |



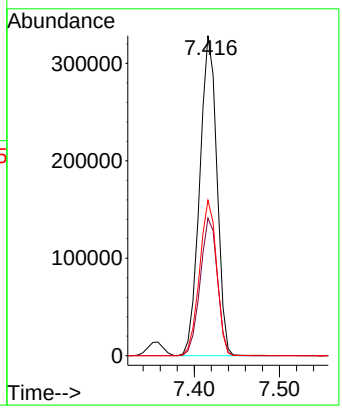


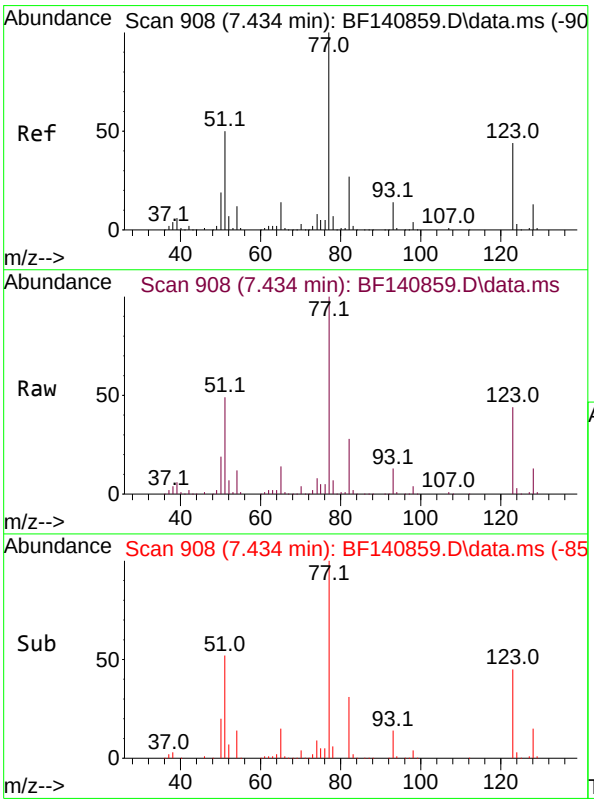

#23
Nitrobenzene-d5
Concen: 78.576 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 461011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.0 | 34.4 | 51.6 |
| 54 | 48.5 | 38.8 | 58.2 |

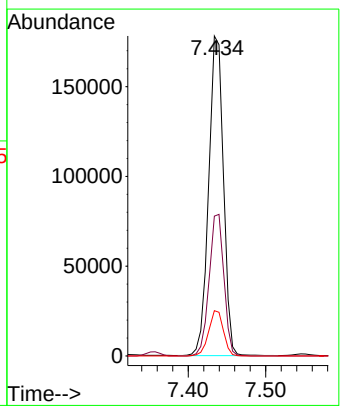


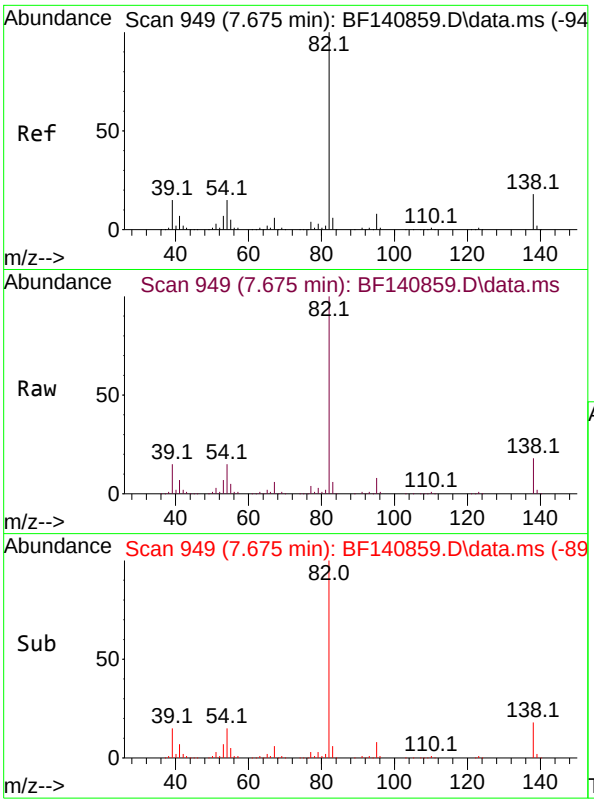




#24
Nitrobenzene
Concen: 39.238 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 77 Resp: 235847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.7 | 35.0 | 52.4 |
| 65 | 14.2 | 11.4 | 17.0 |



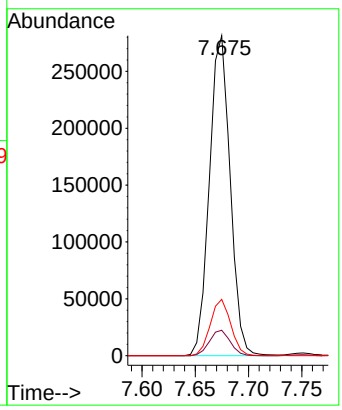


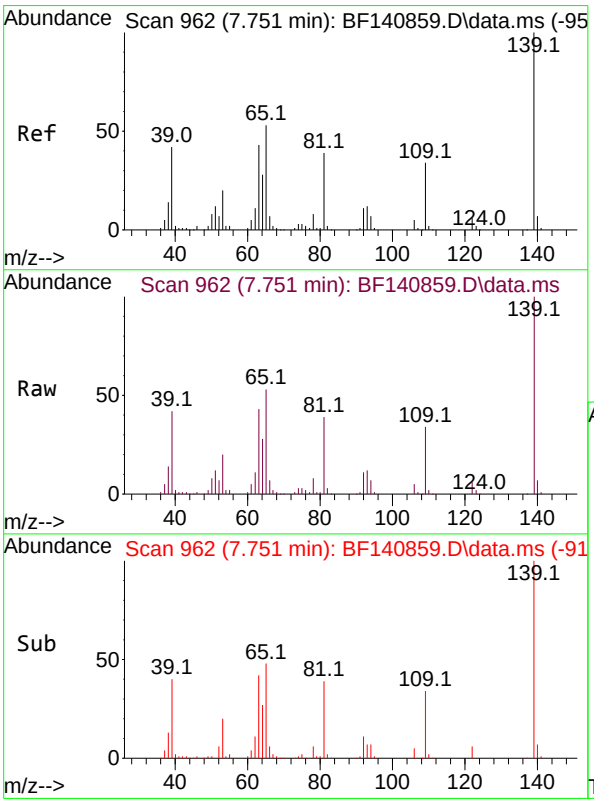

#25
Isophorone
Concen: 38.852 ng
RT: 7.675 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 381938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 17.6 | 14.1 | 21.1 |

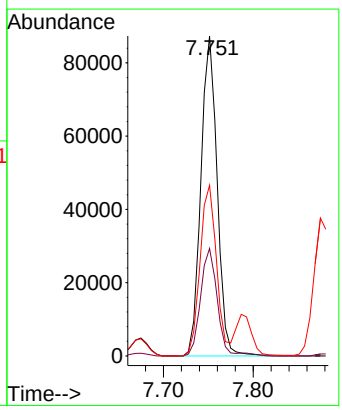


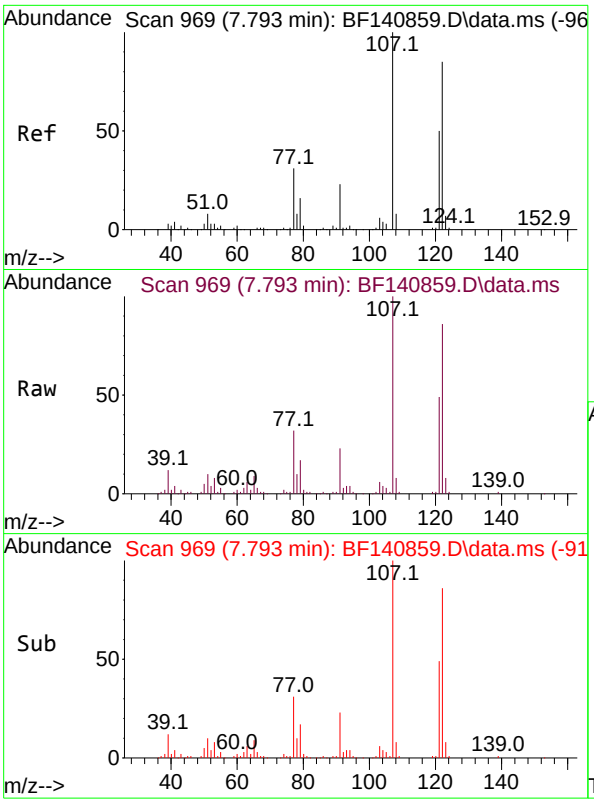




#26
2-Nitrophenol
Concen: 39.666 ng
RT: 7.751 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:139 Resp: 109806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.6 | 26.9 | 40.3 |
| 65 | 53.3 | 42.6 | 64.0 |



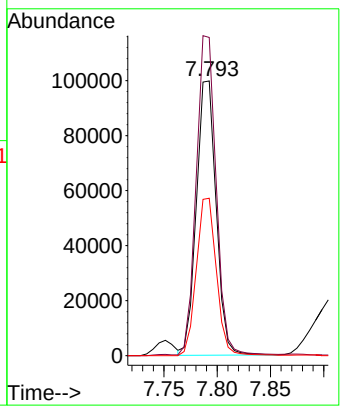


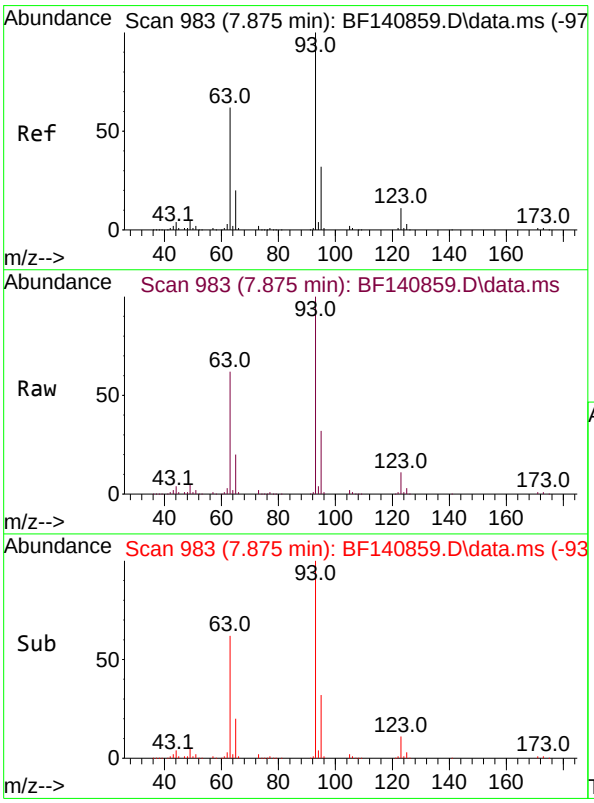

#27
2,4-Dimethylphenol
Concen: 39.892 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 128970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.8 | 92.6 | 139.0 |
| 121 | 57.3 | 45.8 | 68.8 |

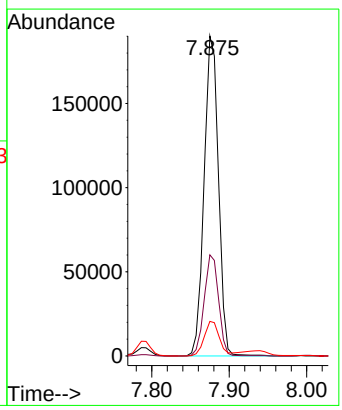


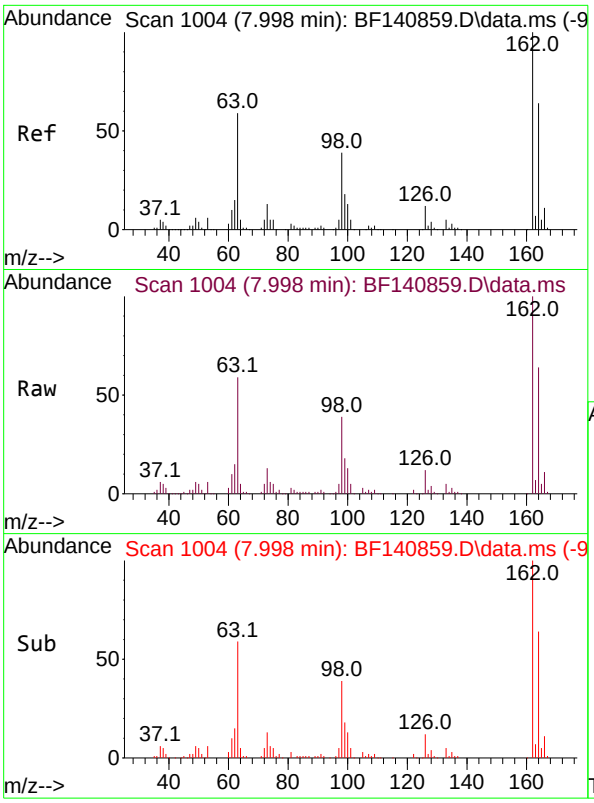




#28
bis(2-Chloroethoxy)methane
Concen: 39.846 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 93 Resp: 244652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.6 | 25.3 | 37.9 |
| 123 | 10.8 | 8.6 | 13.0 |



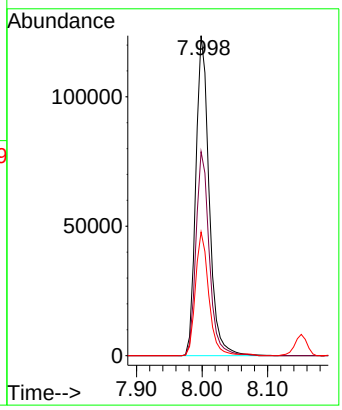


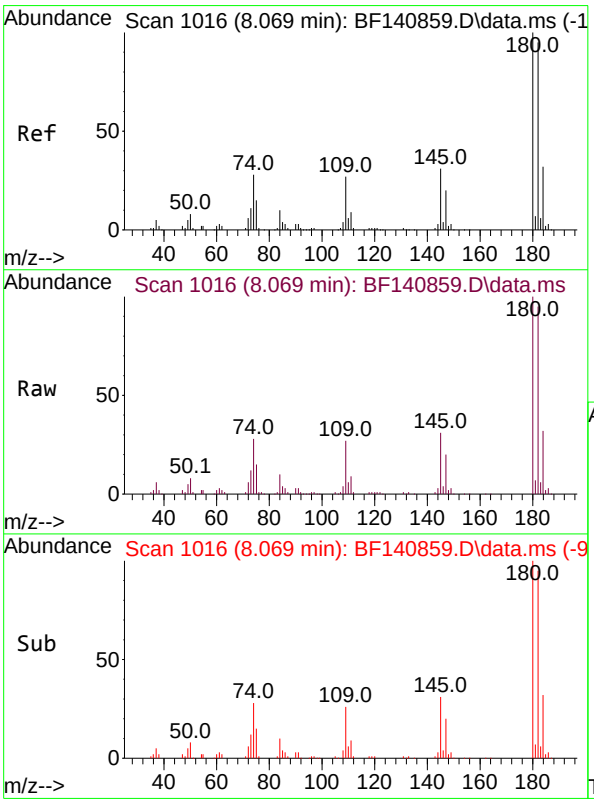

#29
2,4-Dichlorophenol
Concen: 39.299 ng
RT: 7.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 175409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.7 | 83.7 |
| 98 | 38.6 | 18.6 | 58.6 |

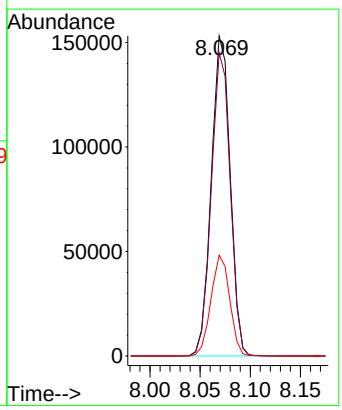


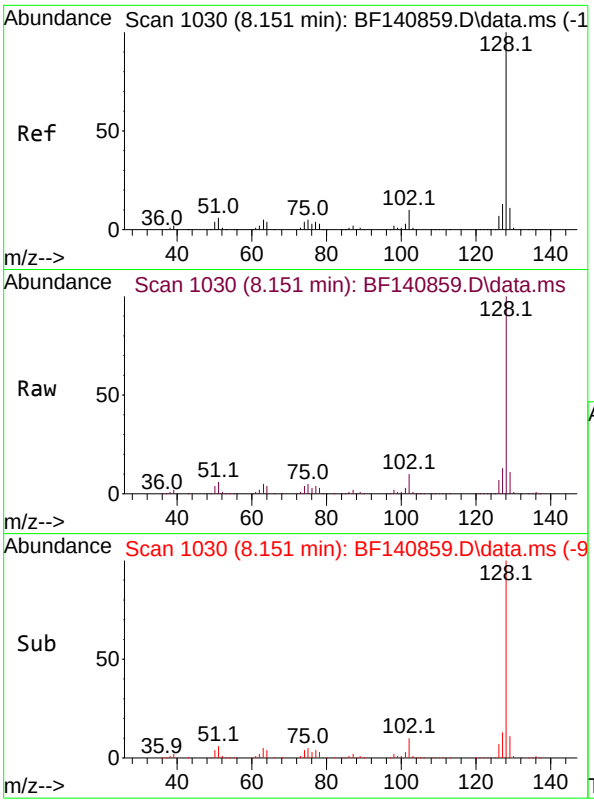




#30
1,2,4-Trichlorobenzene
Concen: 39.180 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:180 Resp: 200471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 75.8 | 113.6 |
| 145 | 31.5 | 25.2 | 37.8 |



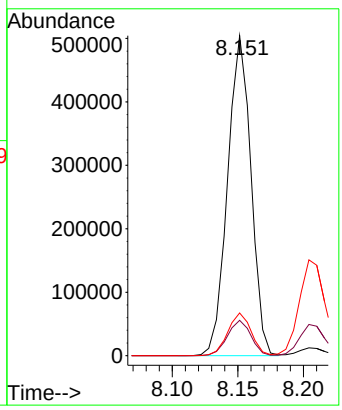


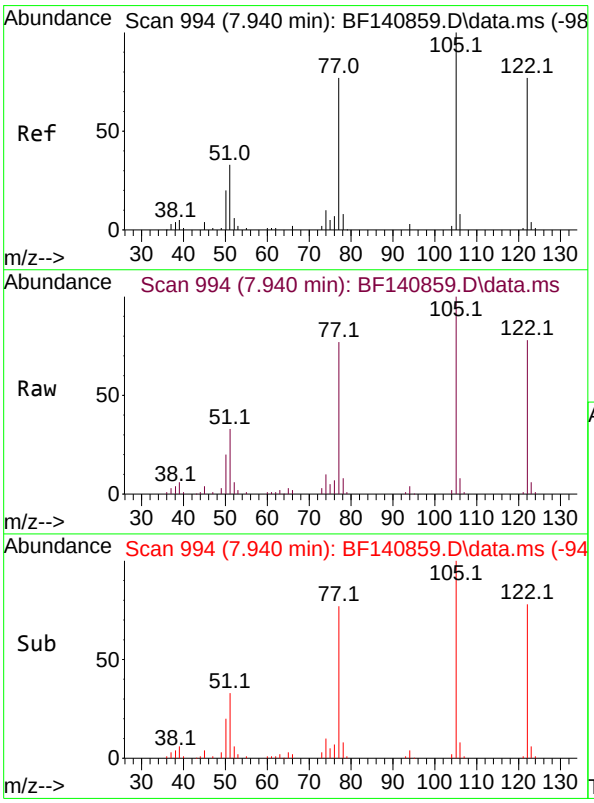

#31
Naphthalene
Concen: 38.860 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 626585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |

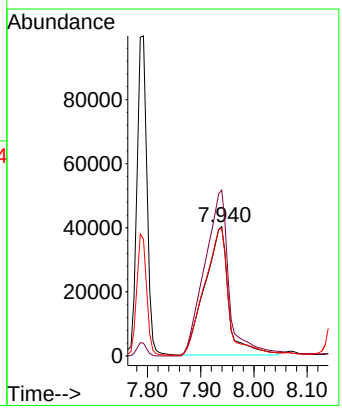


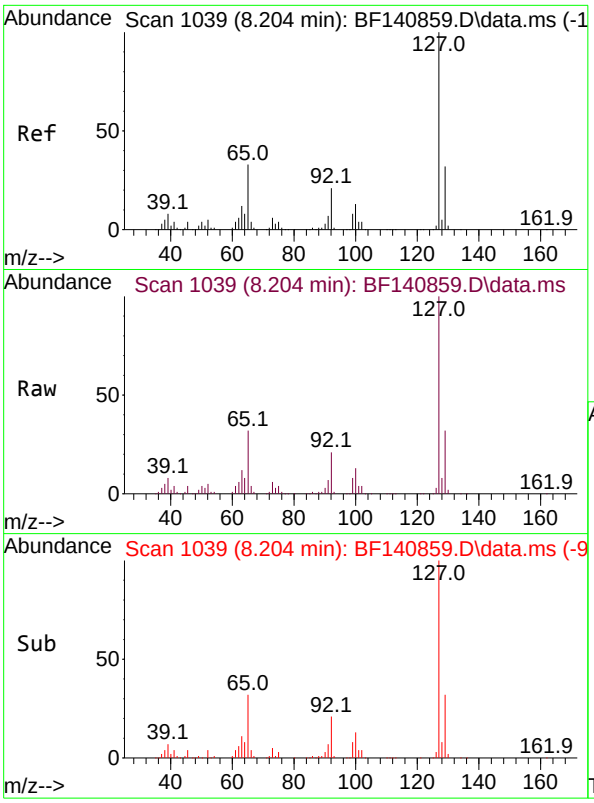




#32
Benzoic acid
Concen: 40.510 ng
RT: 7.940 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:122 Resp: 124210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.3 | 108.3 | 148.3 |
| 77 | 98.8 | 78.8 | 118.8 |



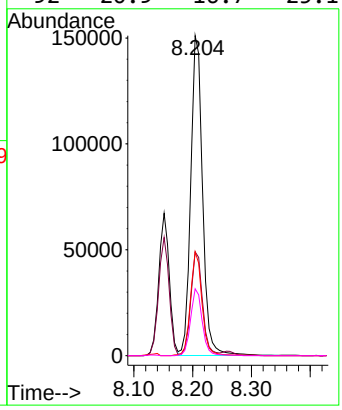


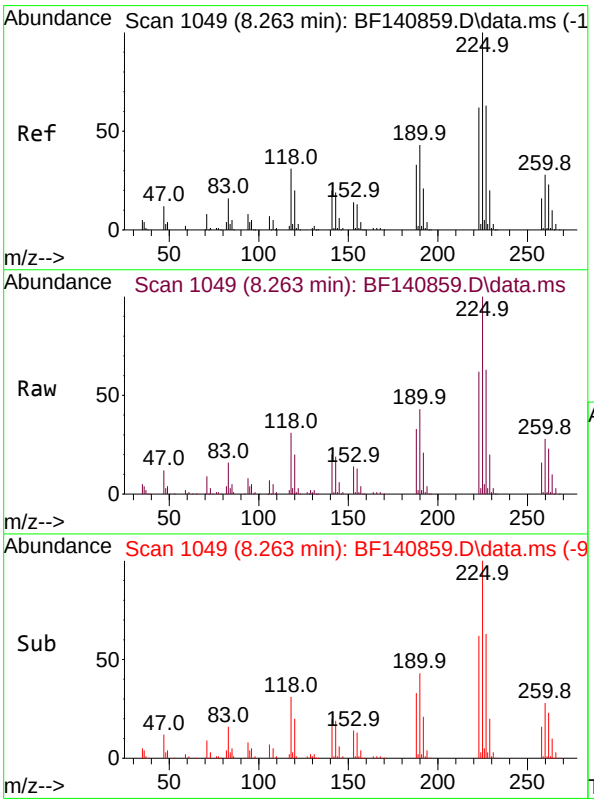

#33
4-Chloroaniline
Concen: 39.582 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 211976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.0 | 39.0 |
| 65 | 32.5 | 26.0 | 39.0 |
| 92 | 20.9 | 16.7 | 25.1 |

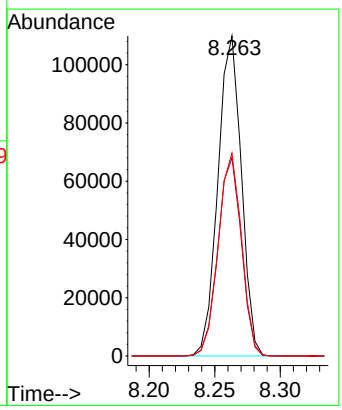


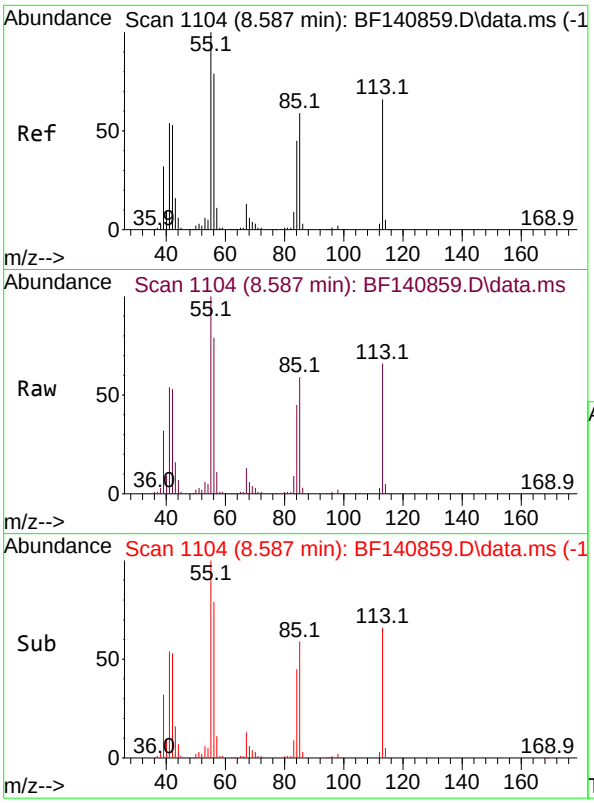




#34
Hexachlorobutadiene
Concen: 39.646 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:225 Resp: 136482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.6 | 74.4 |
| 227 | 63.4 | 50.7 | 76.1 |



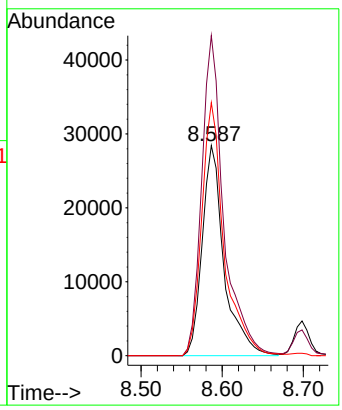


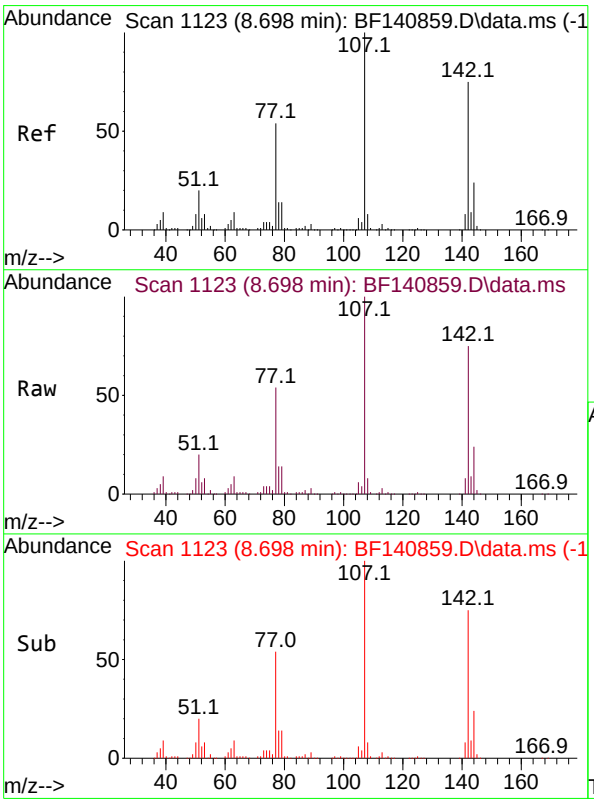

#35
Caprolactam
Concen: 39.930 ng
RT: 8.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 53059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 152.3 | 132.3 | 172.3 |
| 56 | 120.3 | 100.3 | 140.3 |

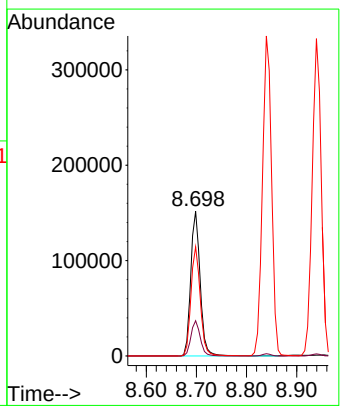


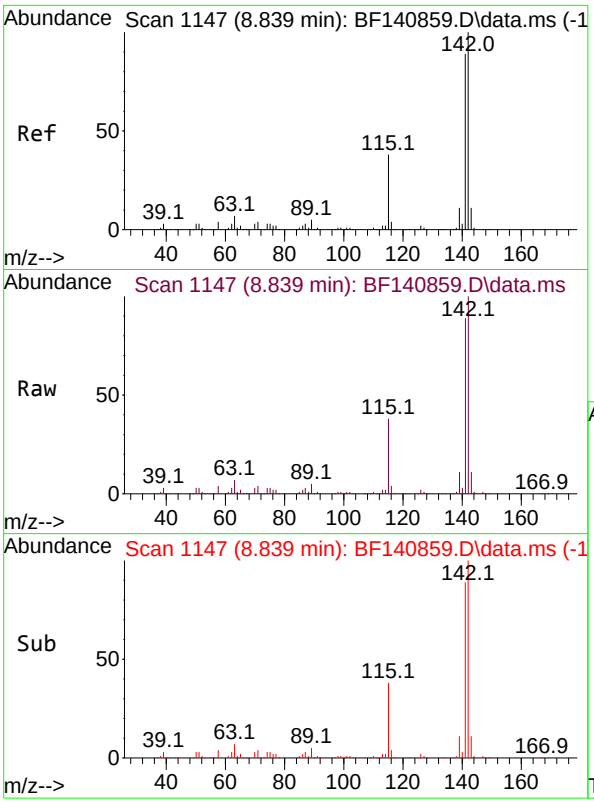




#36
4-Chloro-3-methylphenol
Concen: 39.473 ng
RT: 8.698 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:107 Resp: 198298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.3 | 19.4 | 29.2 |
| 142 | 75.4 | 60.3 | 90.5 |



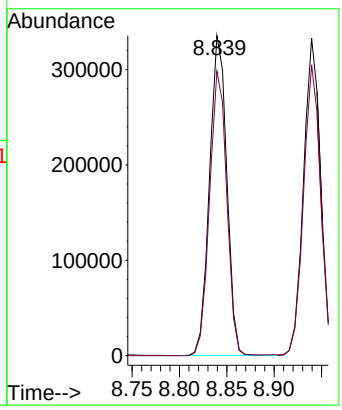


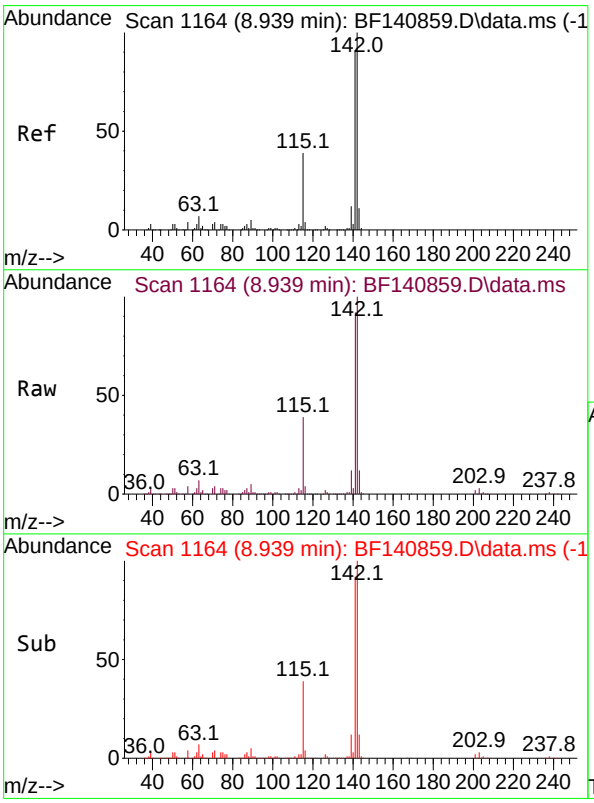

#37
2-Methylnaphthalene
Concen: 39.693 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 423369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 71.0 | 106.6 |

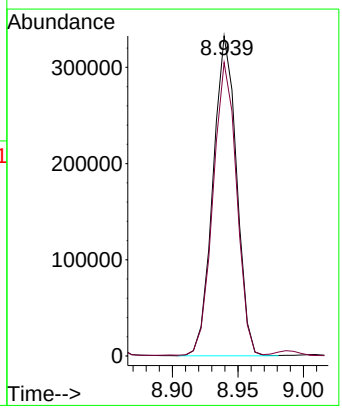


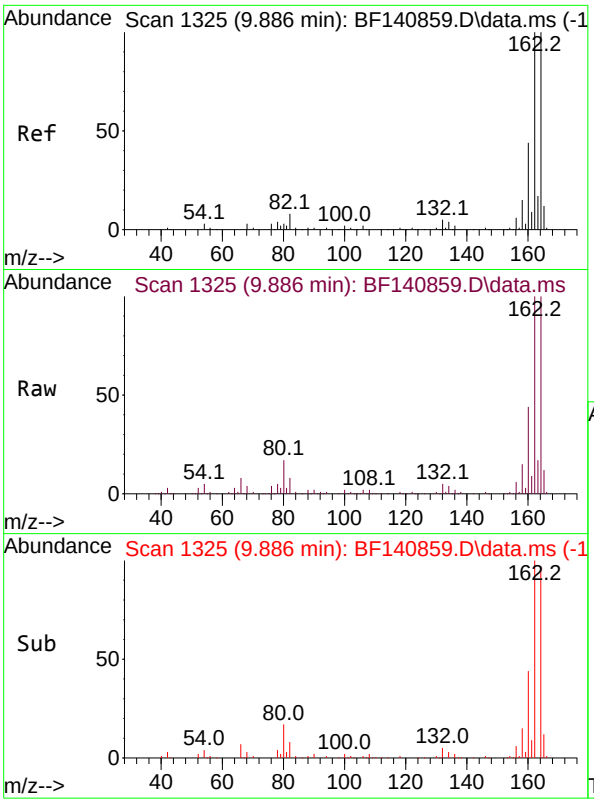




#38
1-Methylnaphthalene
Concen: 39.281 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:142 Resp: 414363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.4 | 110.0 |



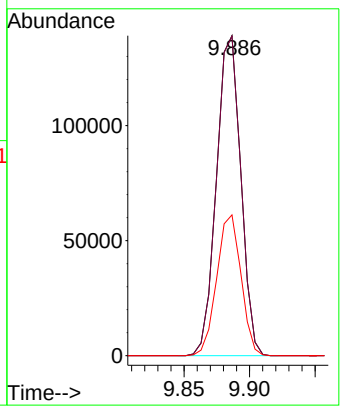


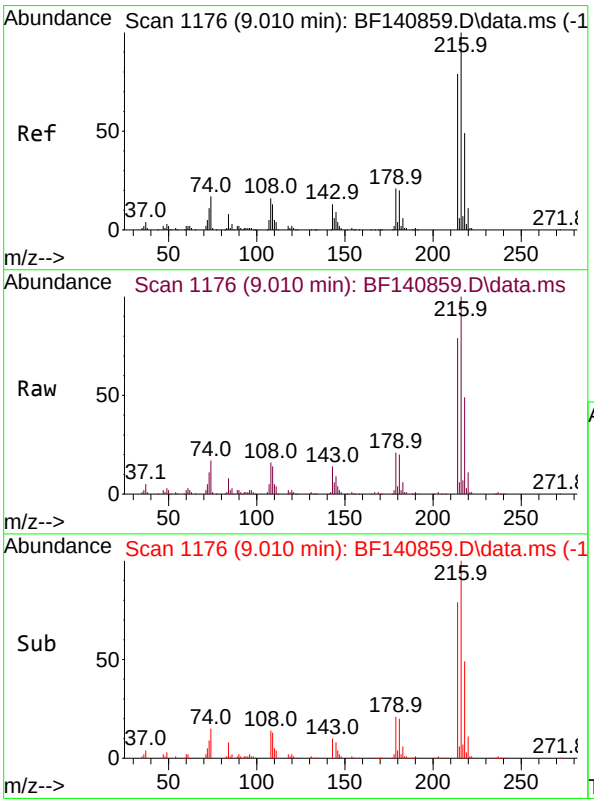

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 179301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 79.9 | 119.9 |
| 160 | 44.0 | 35.2 | 52.8 |

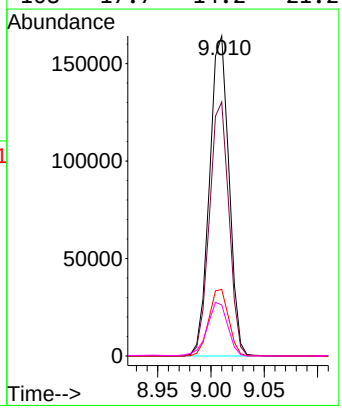


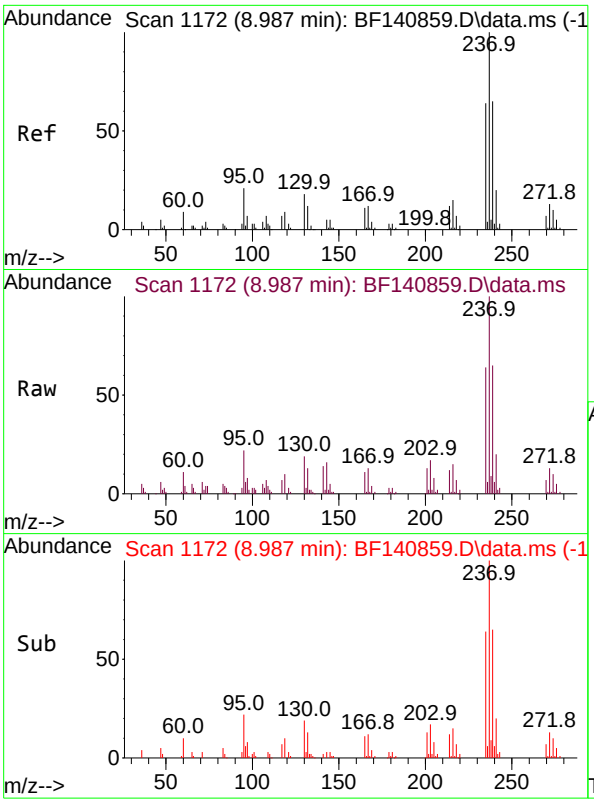




#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.768 ng
RT: 9.010 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:216 Resp: 208141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.5 | 63.6 | 95.4 |
| 179 | 21.2 | 17.0 | 25.4 |
| 108 | 17.7 | 14.2 | 21.2 |



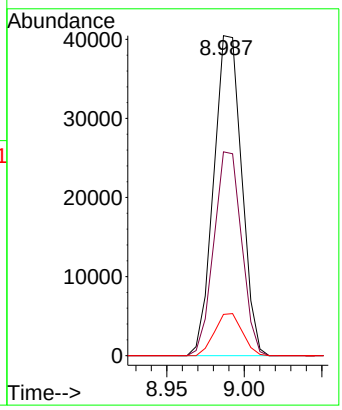


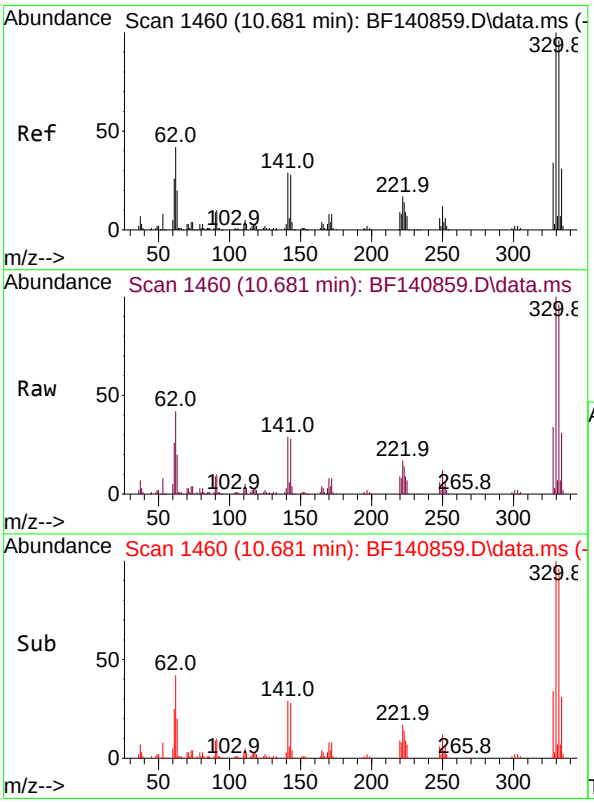

#41
Hexachlorocyclopentadiene
Concen: 39.476 ng
RT: 8.987 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 50793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.7 | 43.7 | 83.7 |
| 272 | 12.9 | 0.0 | 32.9 |

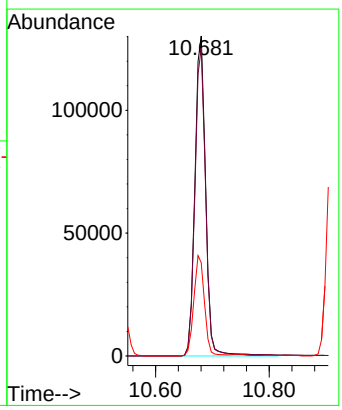


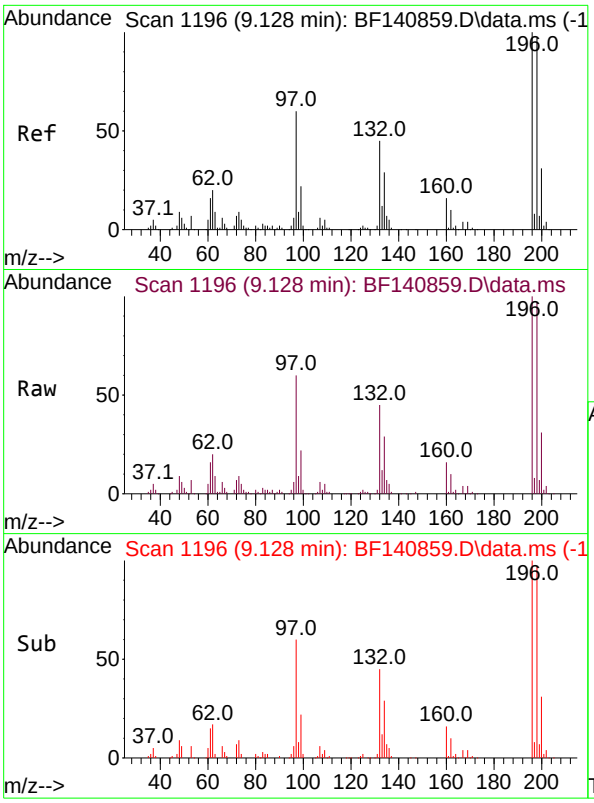




#42
2,4,6-Tribromophenol
Concen: 81.197 ng
RT: 10.681 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:330 Resp: 172188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 76.2 | 114.4 |
| 141 | 31.1 | 24.9 | 37.3 |



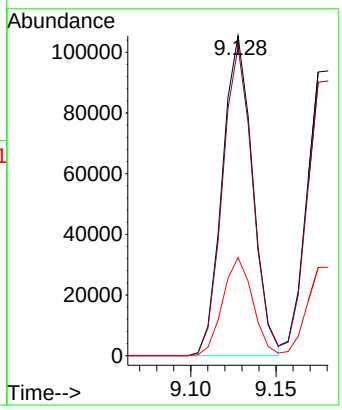


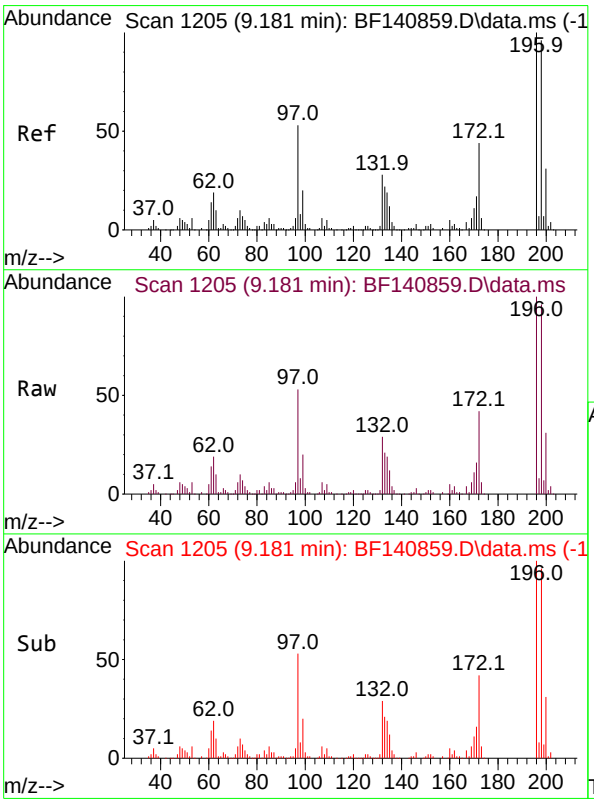

#43
2,4,6-Trichlorophenol
Concen: 38.631 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 130363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.7 | 77.4 | 116.0 |
| 200 | 30.6 | 24.5 | 36.7 |

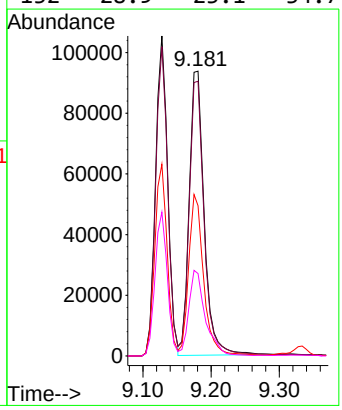


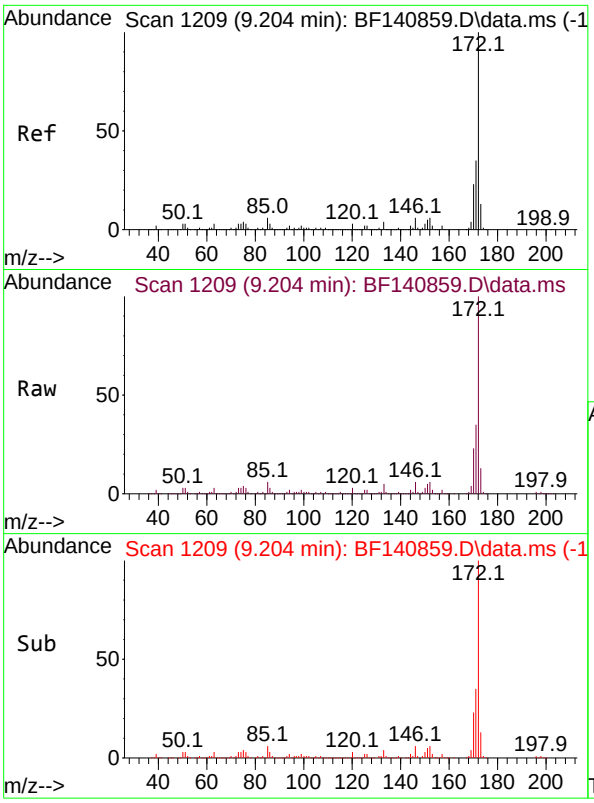




#44
2,4,5-Trichlorophenol
Concen: 38.395 ng
RT: 9.181 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:196 Resp: 142411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 77.2 | 115.8 |
| 97 | 52.8 | 42.2 | 63.4 |
| 132 | 28.9 | 23.1 | 34.7 |



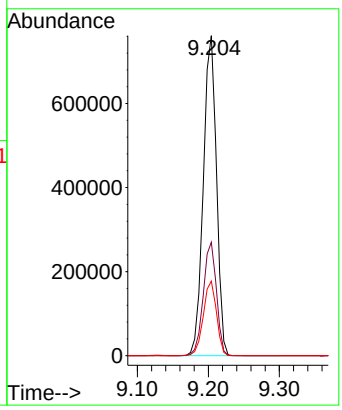


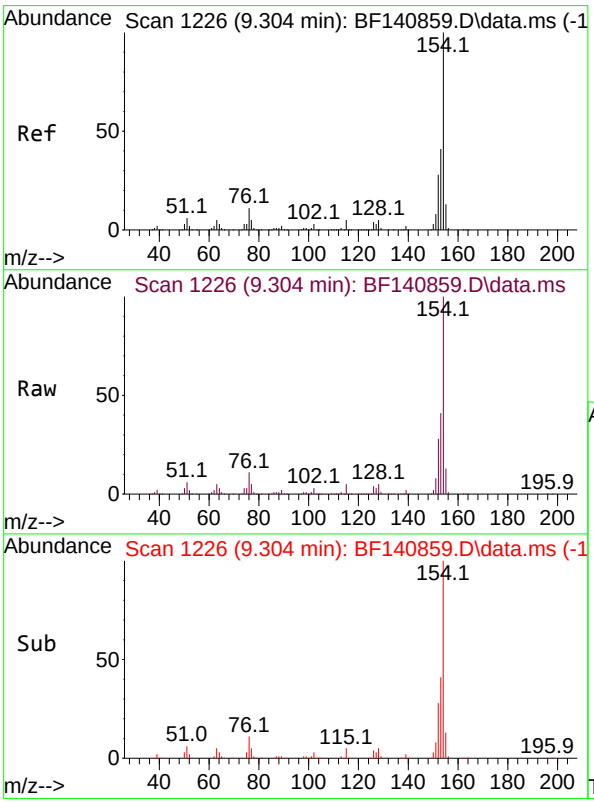

#45
2-Fluorobiphenyl
Concen: 75.290 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 981889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.4 | 42.6 |
| 170 | 23.3 | 18.6 | 28.0 |

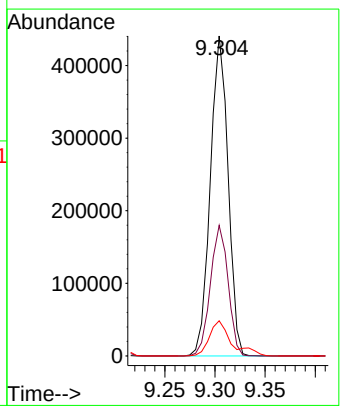


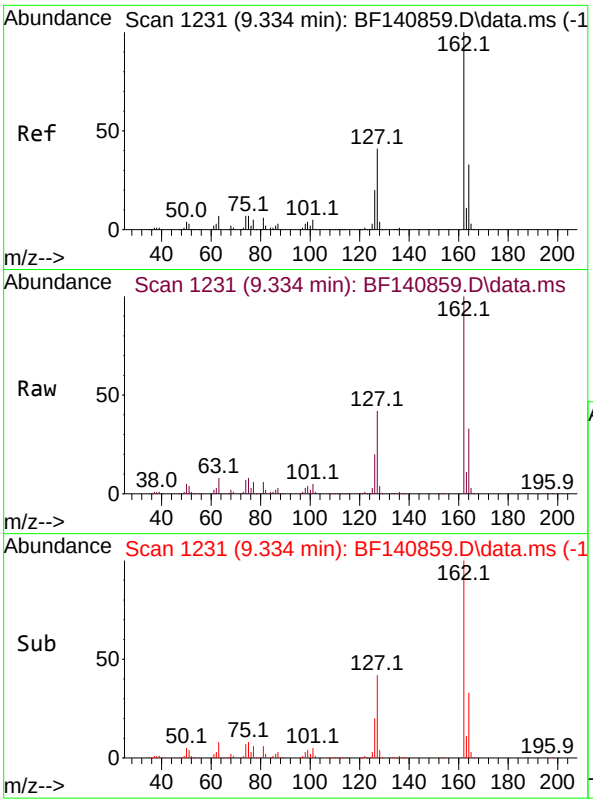




#46
1,1'-Biphenyl
Concen: 38.044 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:154 Resp: 542419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.8 | 60.8 |
| 76 | 11.0 | 0.0 | 31.0 |



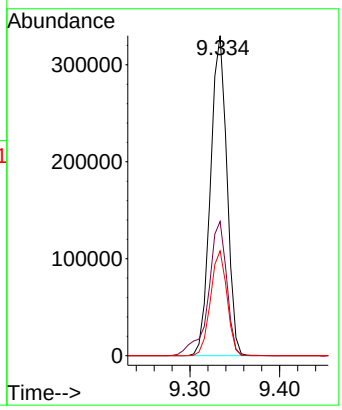


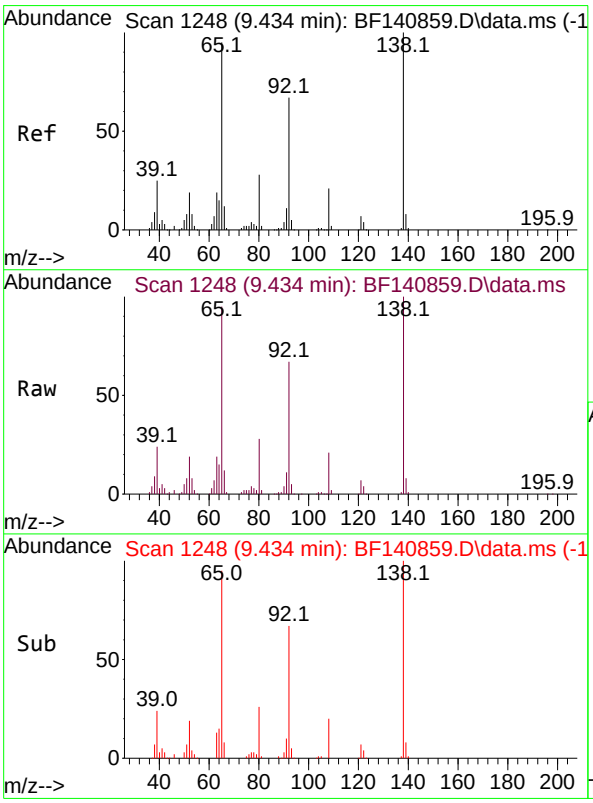

#47
2-Chloronaphthalene
Concen: 38.447 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 419357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.9 | 33.5 | 50.3 |
| 164 | 32.7 | 26.2 | 39.2 |

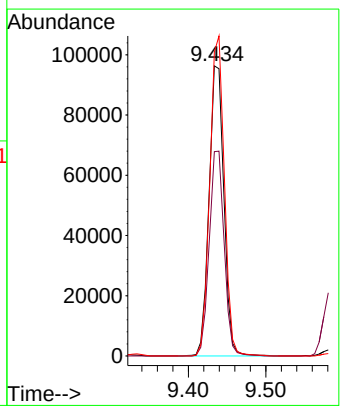


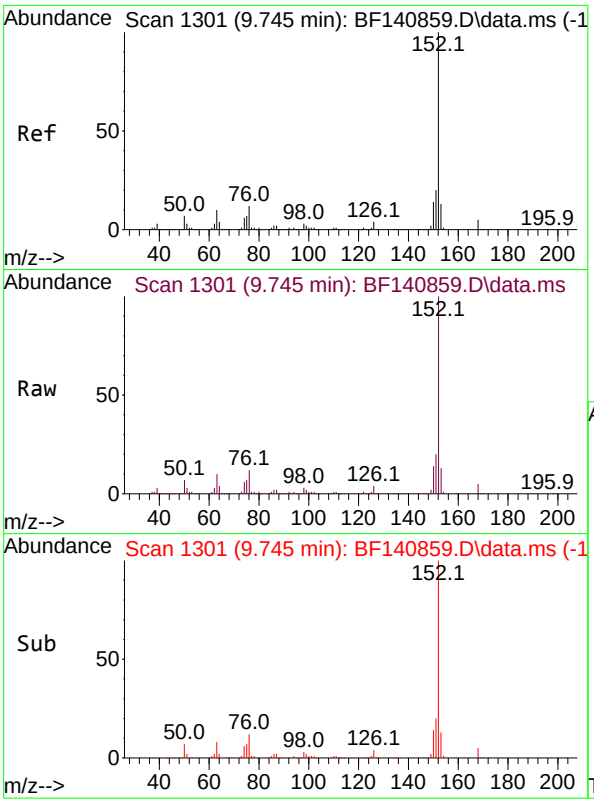




#48
2-Nitroaniline
Concen: 38.984 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 65 Resp: 128421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 56.3 | 84.5 |
| 138 | 104.7 | 83.8 | 125.6 |



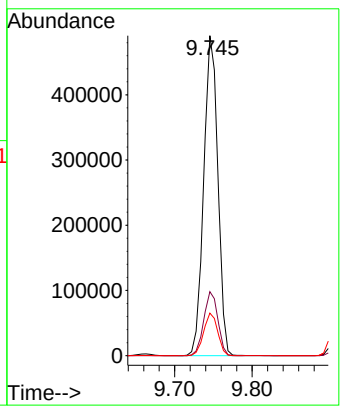


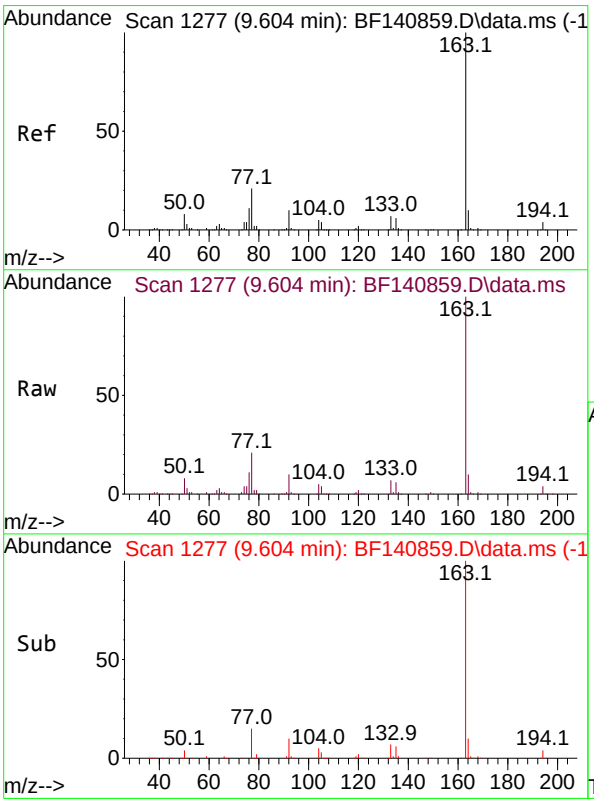

#49
Acenaphthylene
Concen: 38.790 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 621763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 16.0 |

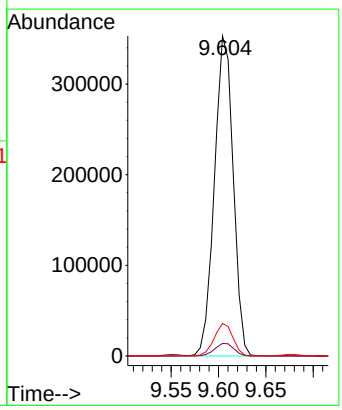


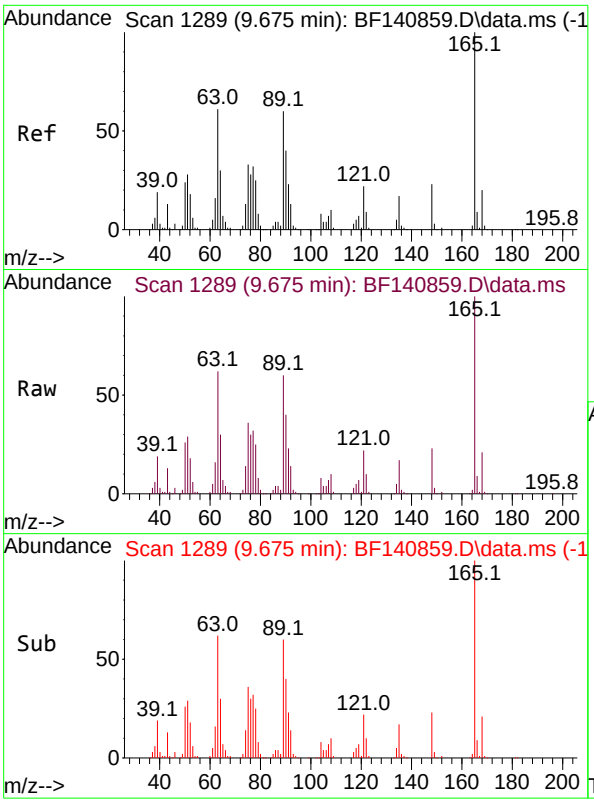




#50
Dimethylphthalate
Concen: 38.566 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:163 Resp: 487517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.1 | 8.1 | 12.1 |



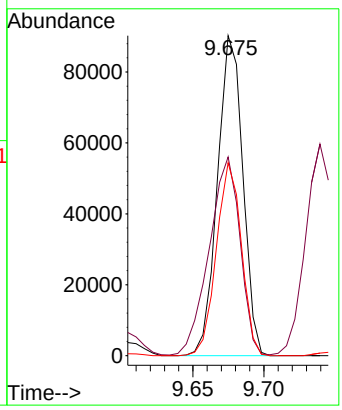


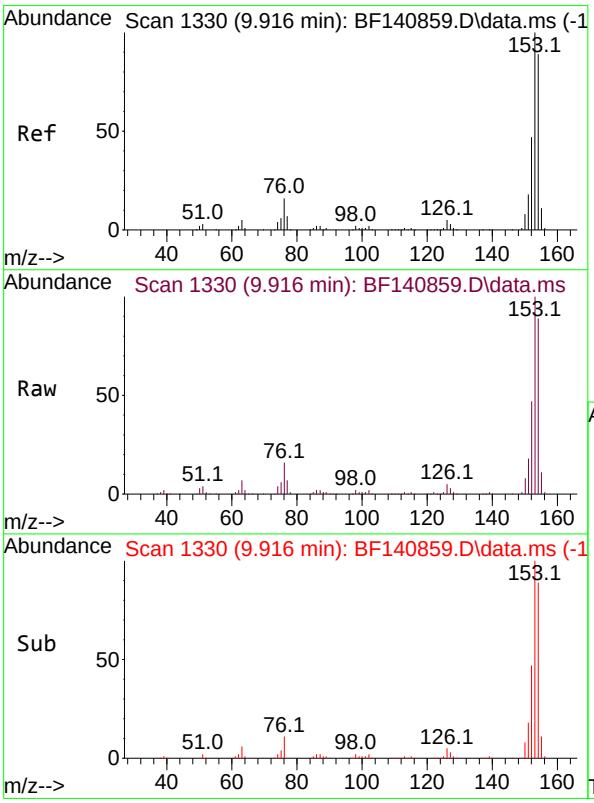

#51
2,6-Dinitrotoluene
Concen: 38.752 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 111990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.1 | 49.7 | 74.5 |
| 89 | 60.3 | 48.2 | 72.4 |

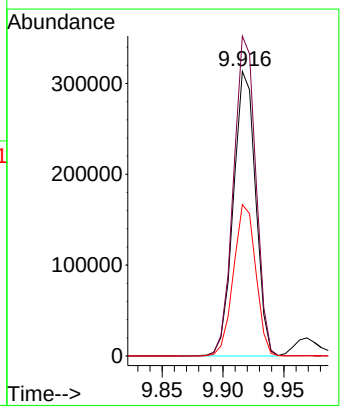


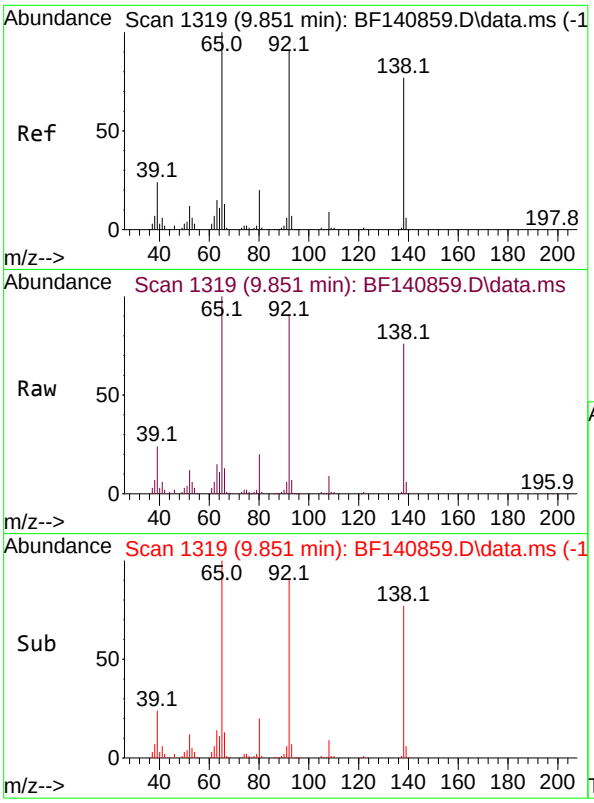




#52
Acenaphthene
Concen: 38.965 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:154 Resp: 398965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.4 | 89.9 | 134.9 |
| 152 | 53.2 | 42.6 | 63.8 |



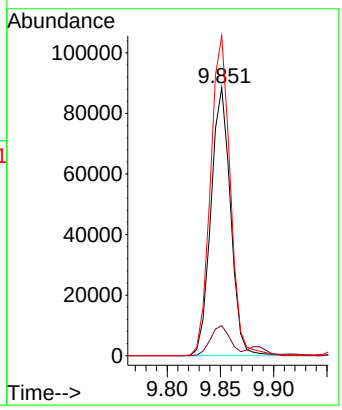


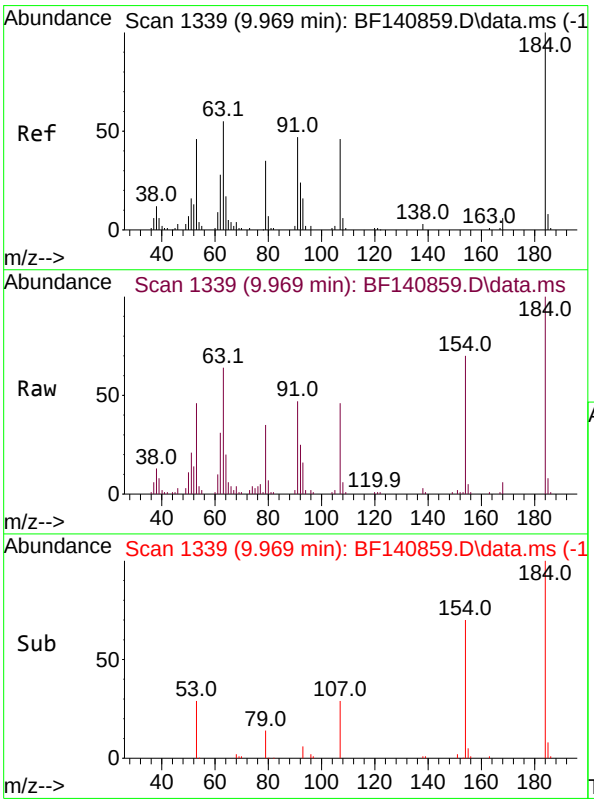

#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 113227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 119.4 | 95.5 | 143.3 |

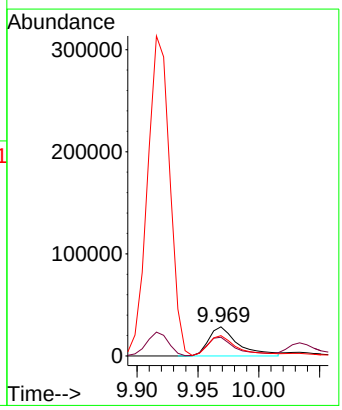


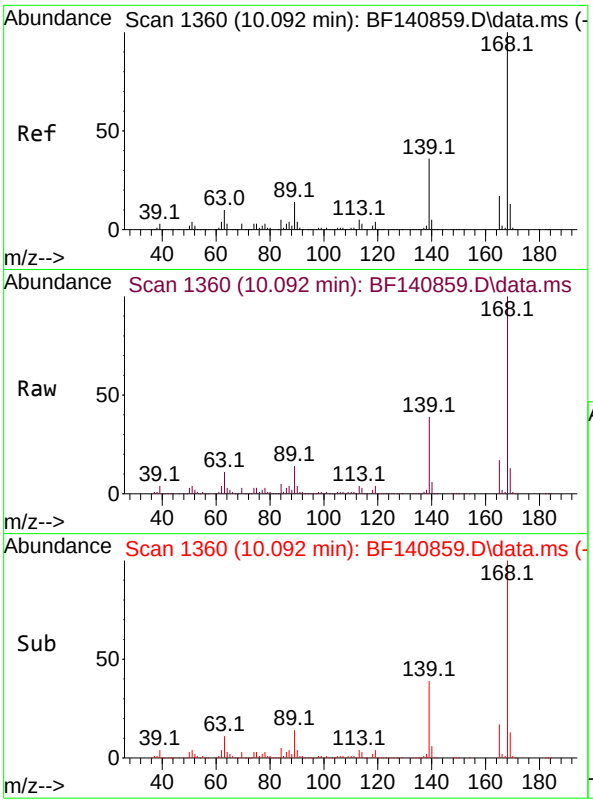




#54
2,4-Dinitrophenol
Concen: 37.788 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:184 Resp: 47982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 64.5 | 51.6 | 77.4 |
| 154 | 70.1 | 56.1 | 84.1 |



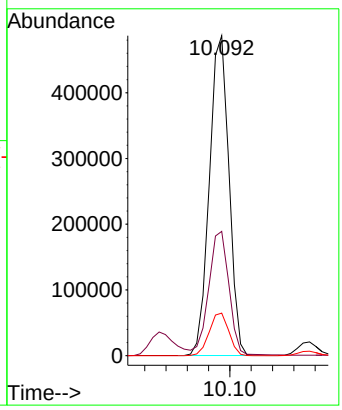


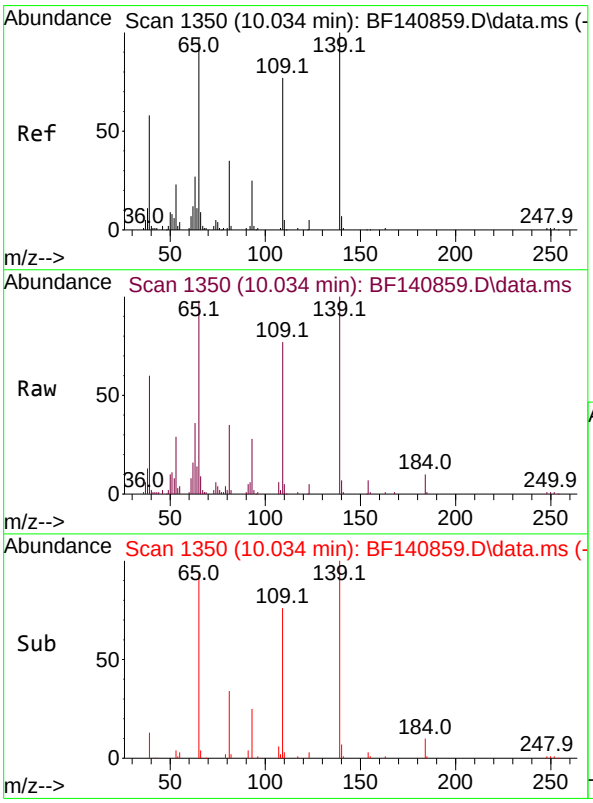

#55
Dibenzofuran
Concen: 39.066 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 619833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.9 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |

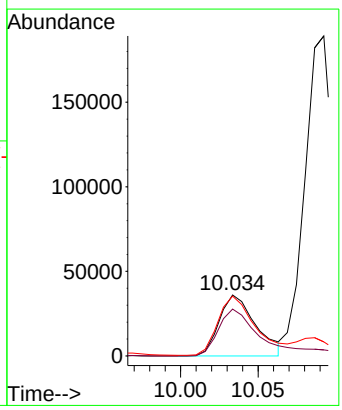


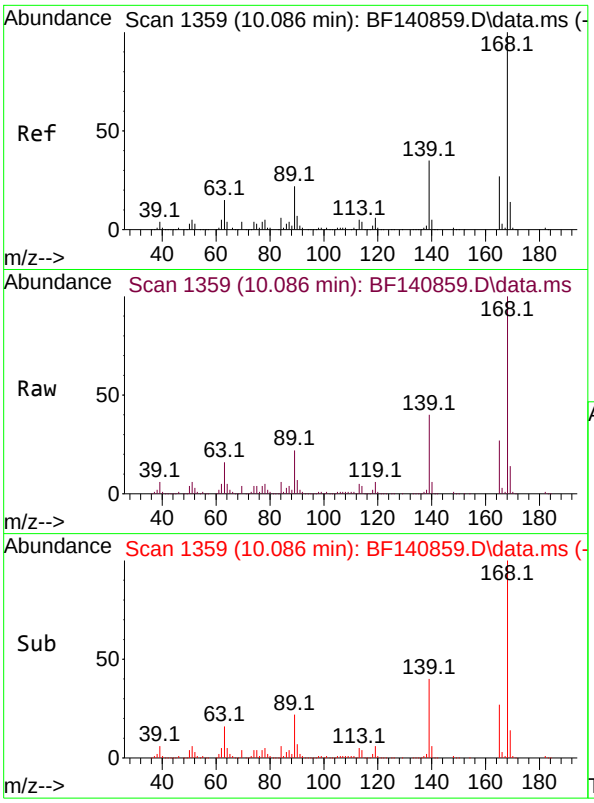




#56
4-Nitrophenol
Concen: 40.590 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:139 Resp: 59043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.7 | 56.7 | 96.7 |
| 65 | 98.1 | 78.1 | 118.1 |



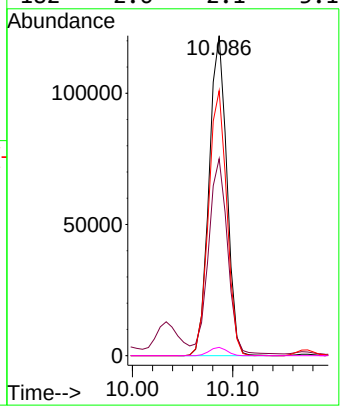


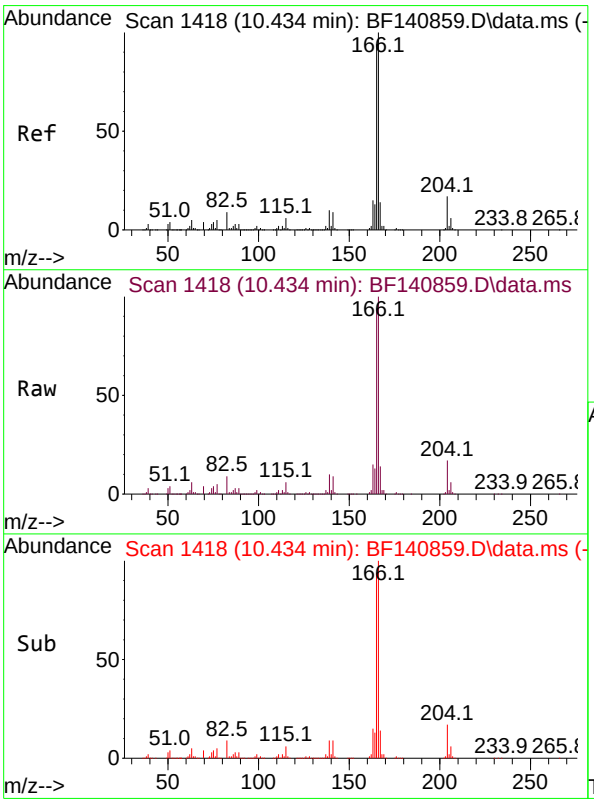

#57
2,4-Dinitrotoluene
Concen: 39.502 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 150199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.6 | 49.3 | 73.9 |
| 89 | 82.8 | 66.2 | 99.4 |
| 182 | 2.6 | 2.1 | 3.1 |

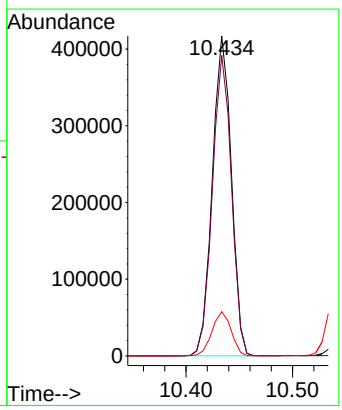


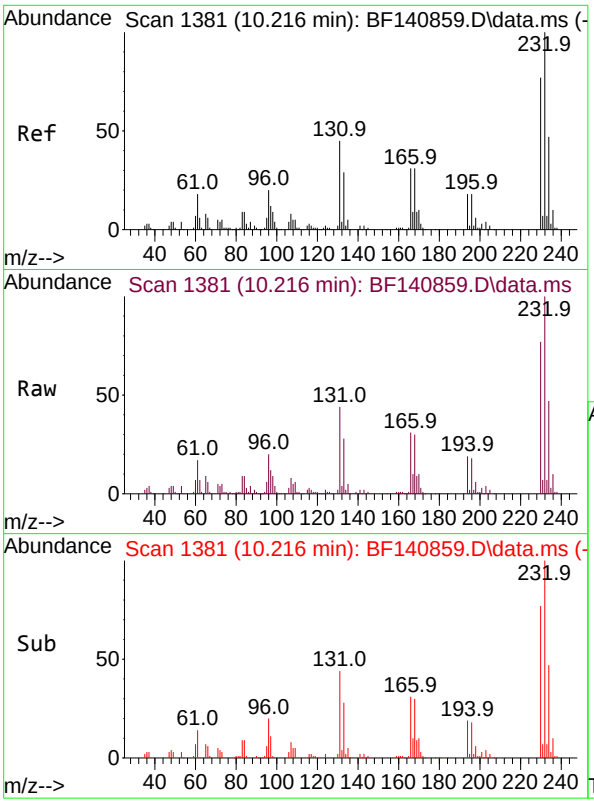




#58
Fluorene
Concen: 39.568 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:166 Resp: 517920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.9 | 11.1 | 16.7 |



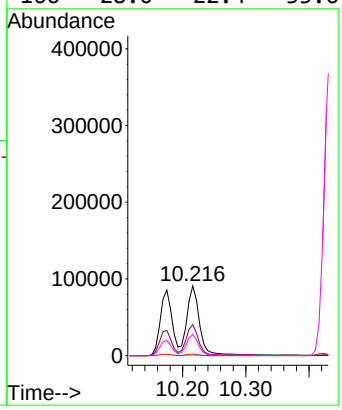


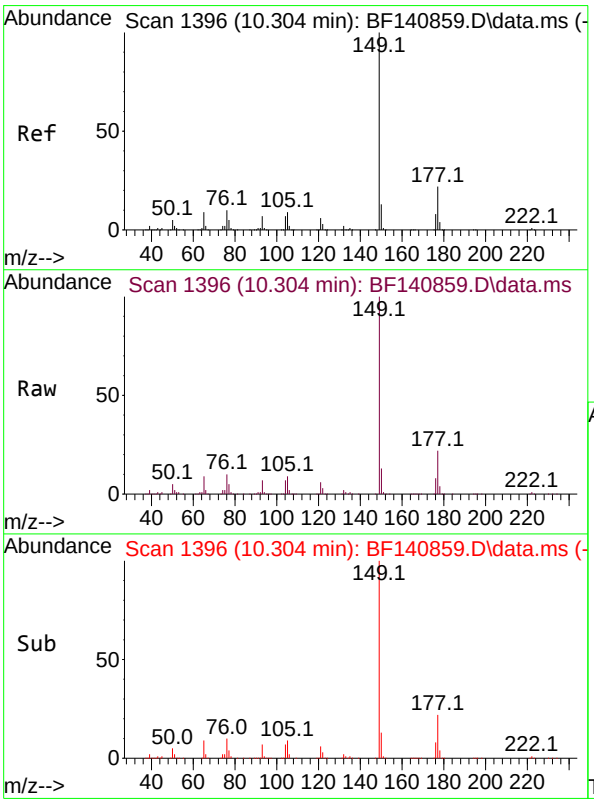

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.028 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 127023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.9 | 35.1 | 52.7 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 28.0 | 22.4 | 33.6 |

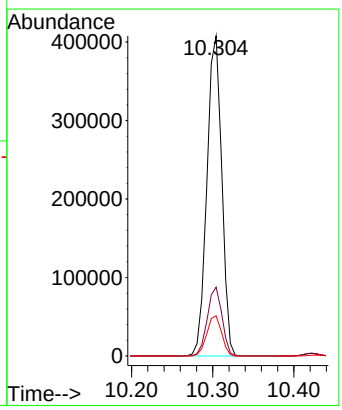


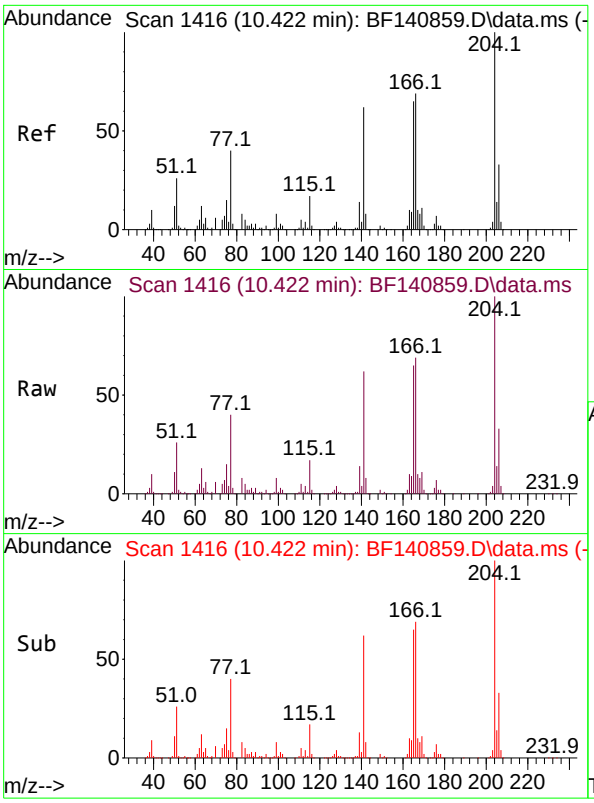




#60
Diethylphthalate
Concen: 39.375 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 516146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 17.2 | 25.8 |
| 150 | 12.6 | 10.1 | 15.1 |



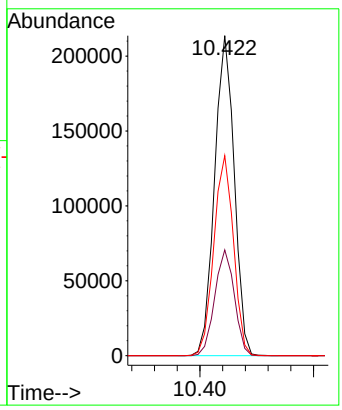


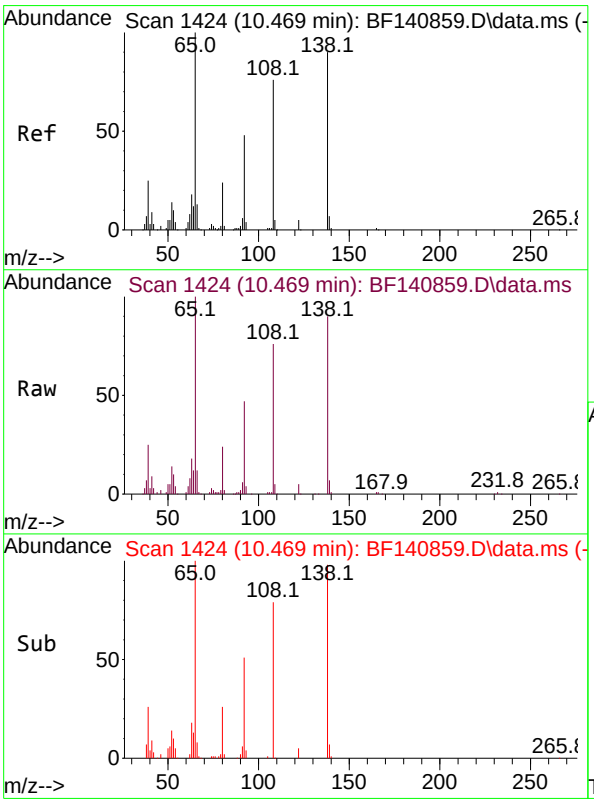

#61
4-Chlorophenyl-phenylether
Concen: 39.062 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 256836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.5 | 39.7 |
| 141 | 62.5 | 50.0 | 75.0 |

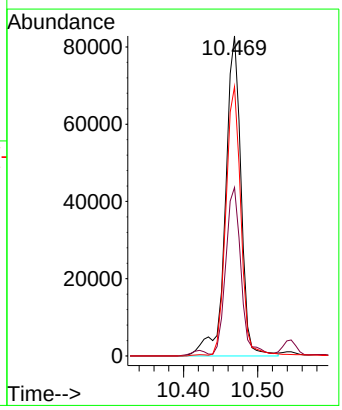


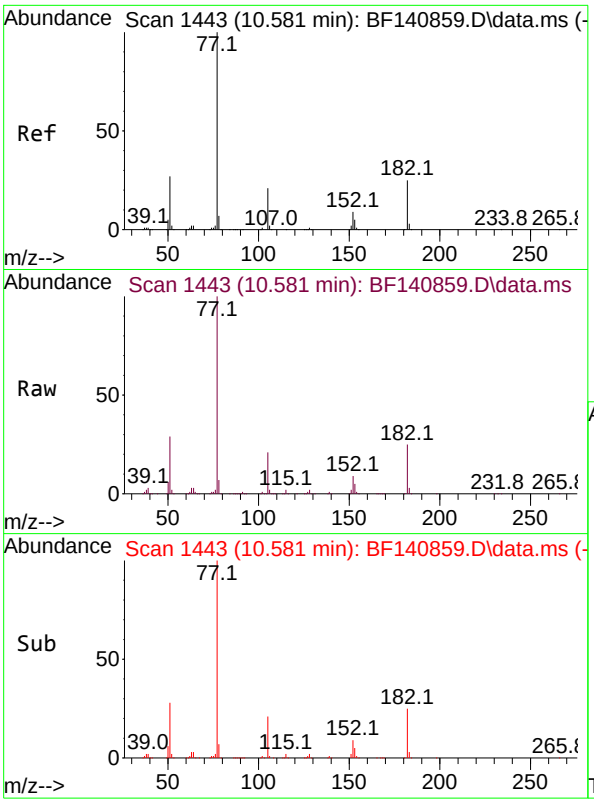




#62
4-Nitroaniline
Concen: 40.423 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:138 Resp: 121143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.6 | 32.6 | 72.6 |
| 108 | 84.1 | 64.1 | 104.1 |



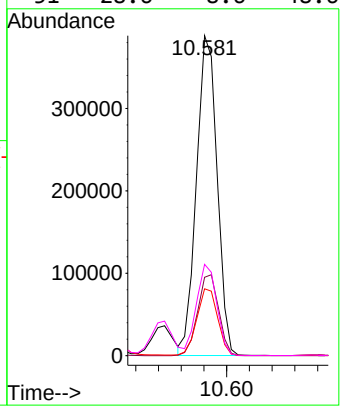


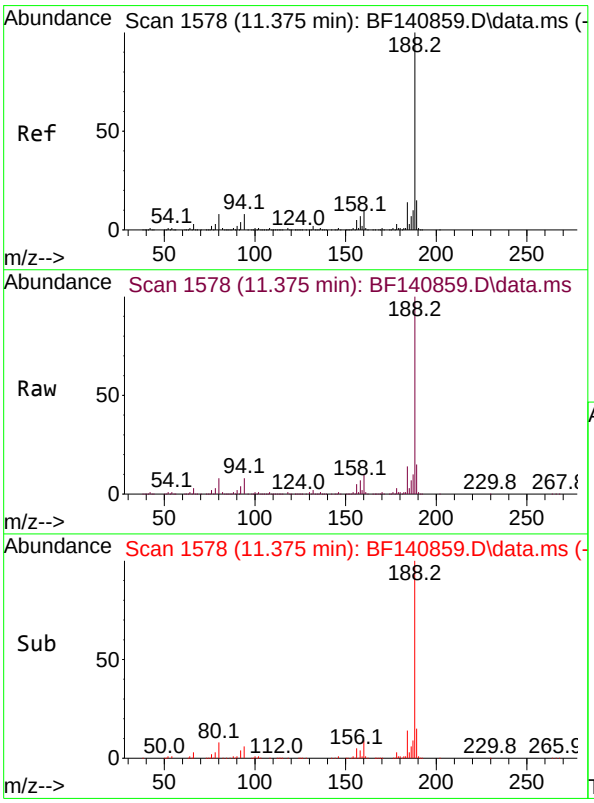

#63
Azobenzene
Concen: 39.821 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 490731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.5 | 4.5 | 44.5 |
| 105 | 20.9 | 0.9 | 40.9 |
| 51 | 28.6 | 8.6 | 48.6 |

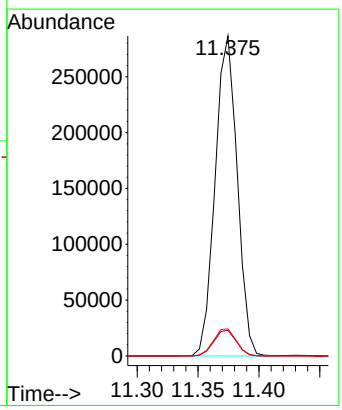


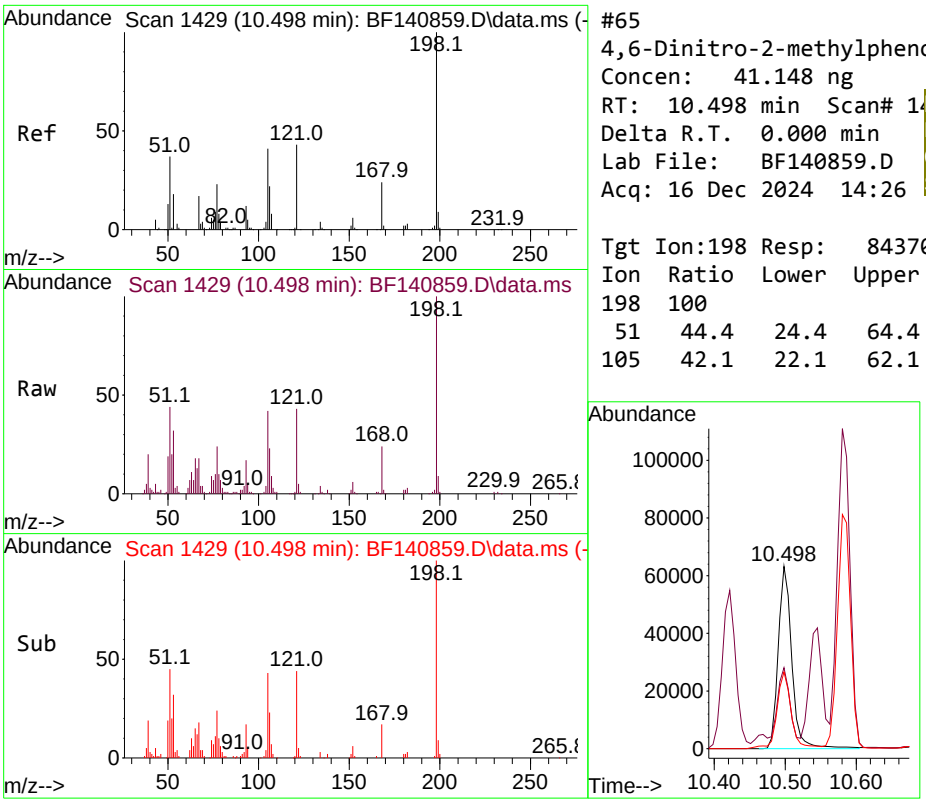




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:188 Resp: 361848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.4 | 9.6 |
| 80 | 8.5 | 6.8 | 10.2 |





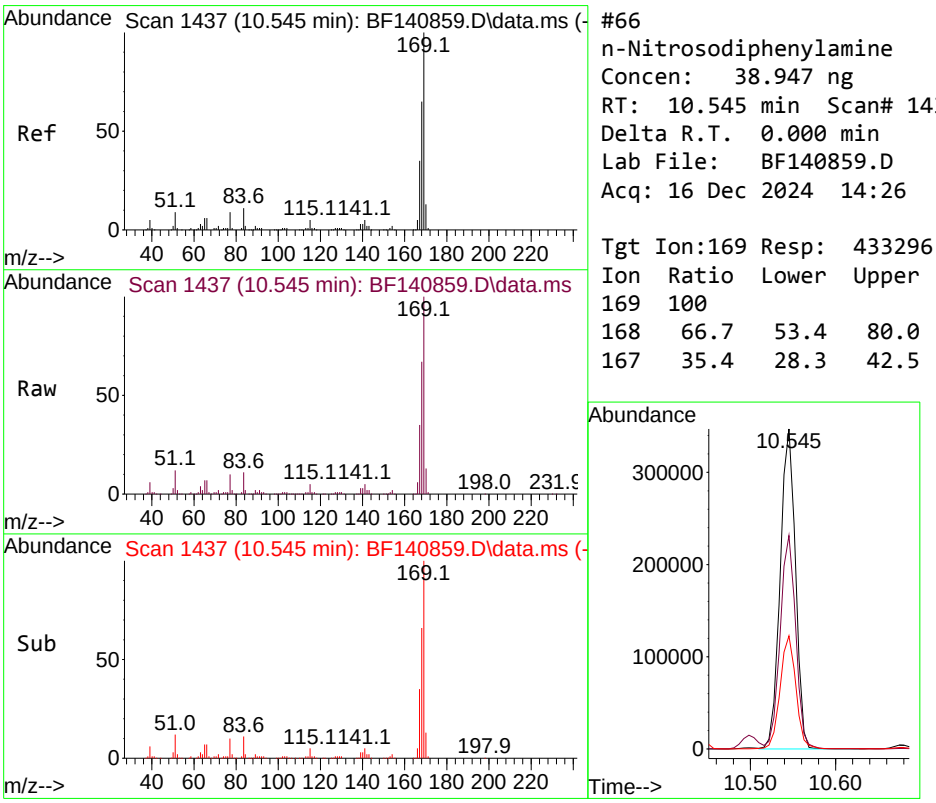

#65
4,6-Dinitro-2-methylphenol
Concen: 41.148 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 84370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.4 | 24.4 | 64.4 |
| 105 | 42.1 | 22.1 | 62.1 |

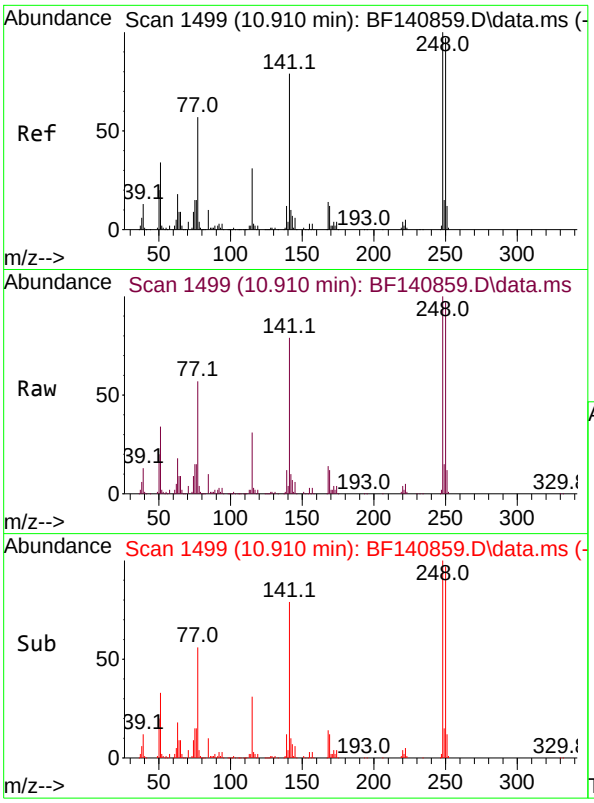



#66
n-Nitrosodiphenylamine
Concen: 38.947 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:169 Resp: 433296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.4 | 80.0 |
| 167 | 35.4 | 28.3 | 42.5 |

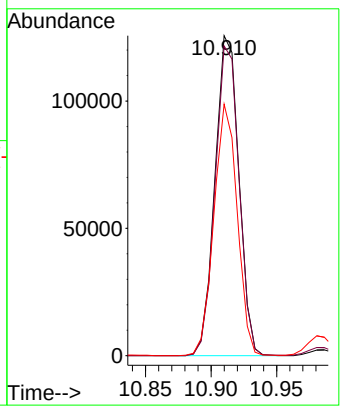


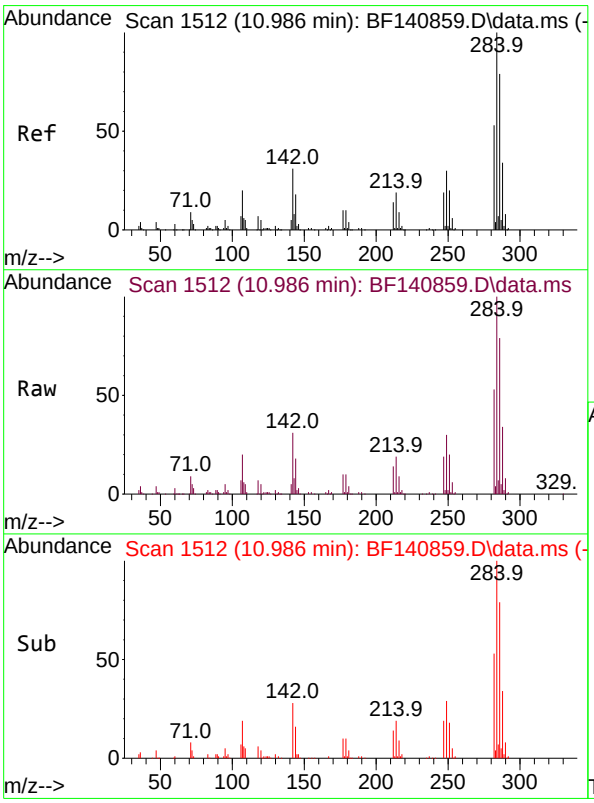

#67
4-Bromophenyl-phenylether
Concen: 39.307 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 159117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 77.4 | 116.2 |
| 141 | 78.6 | 62.9 | 94.3 |

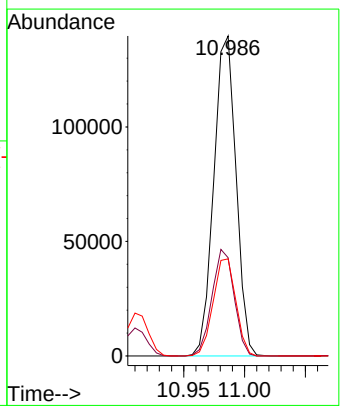


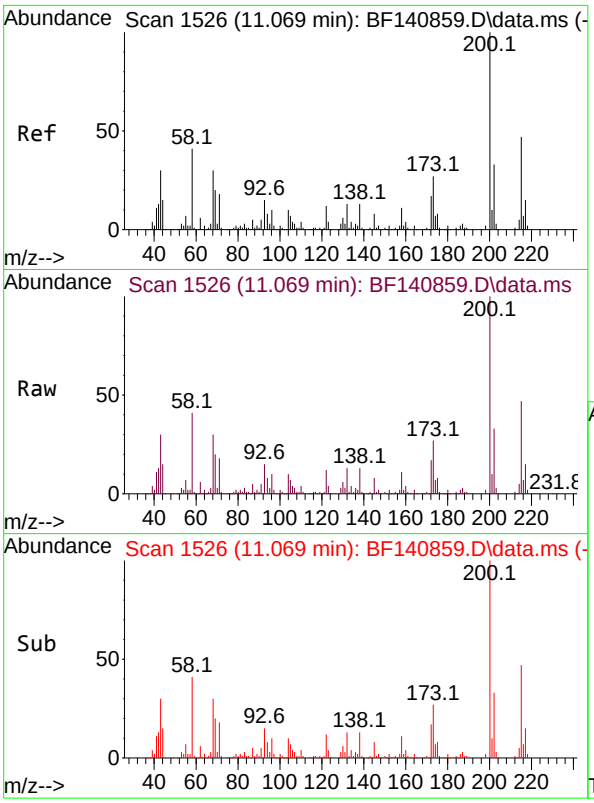




#68
Hexachlorobenzene
Concen: 38.742 ng
RT: 10.986 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:284 Resp: 177811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.7 | 24.6 | 36.8 |
| 249 | 30.4 | 24.3 | 36.5 |



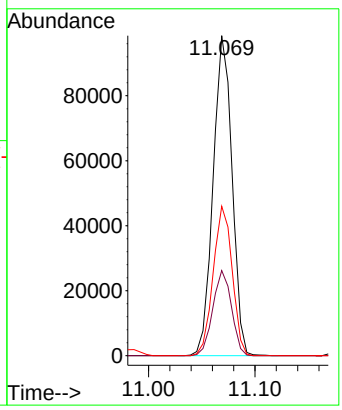


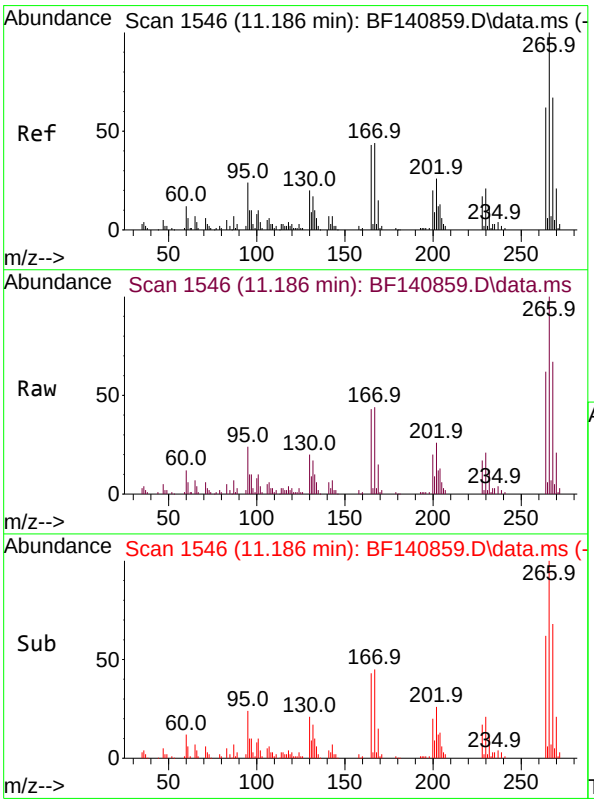

#69
Atrazine
Concen: 39.101 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 121493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 6.6 | 46.6 |
| 215 | 46.7 | 26.7 | 66.7 |

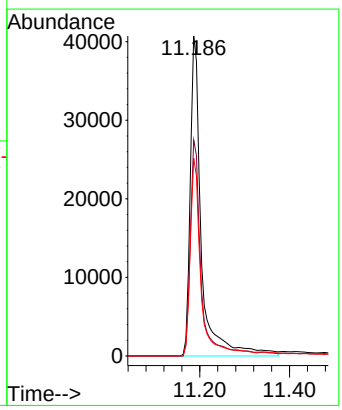


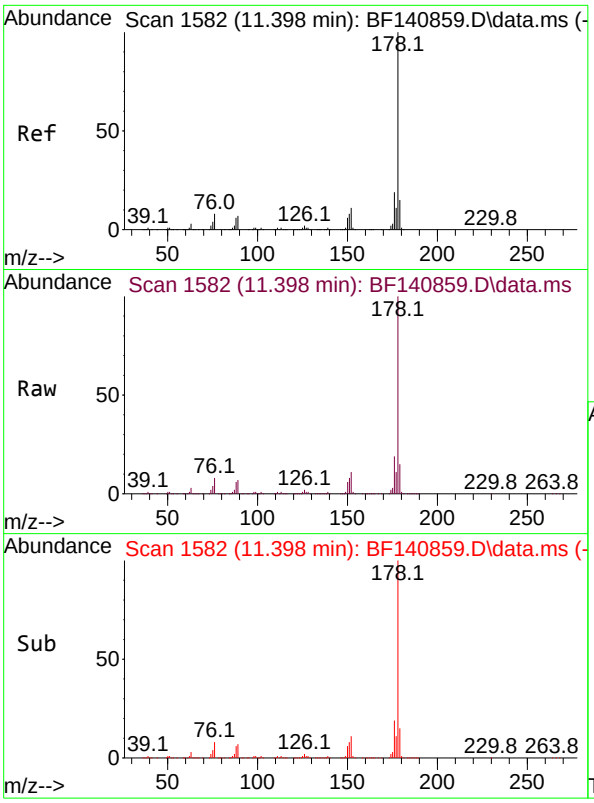




#70
Pentachlorophenol
Concen: 42.072 ng
RT: 11.186 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:266 Resp: 70638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.5 | 54.0 | 81.0 |
| 264 | 61.8 | 49.4 | 74.2 |



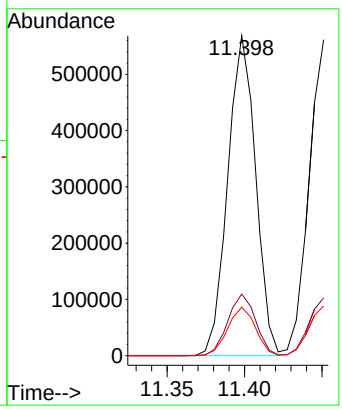


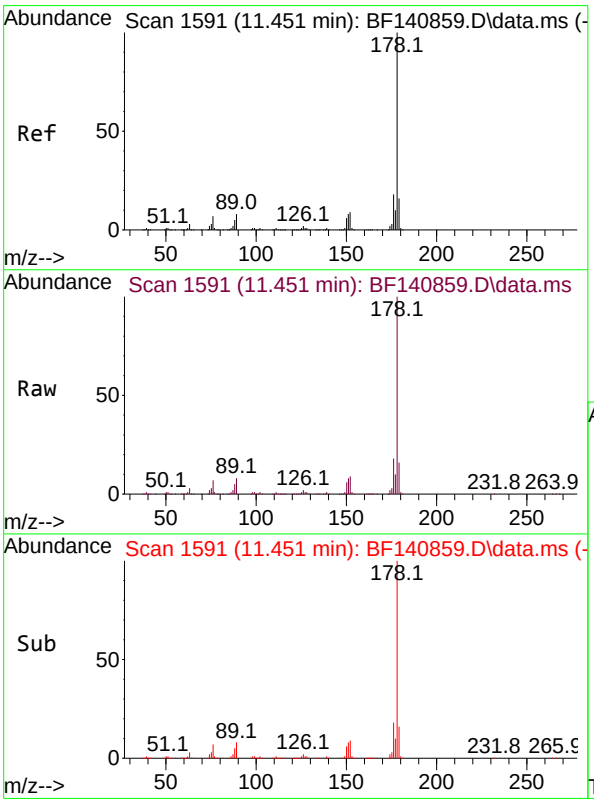

#71
Phenanthrene
Concen: 38.248 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 711714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.1 | 12.1 | 18.1 |

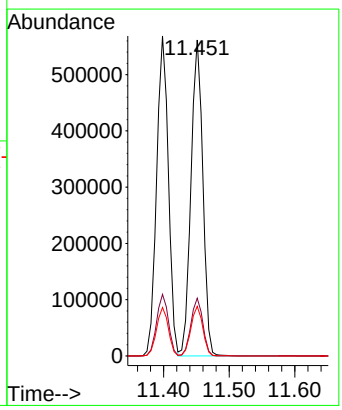


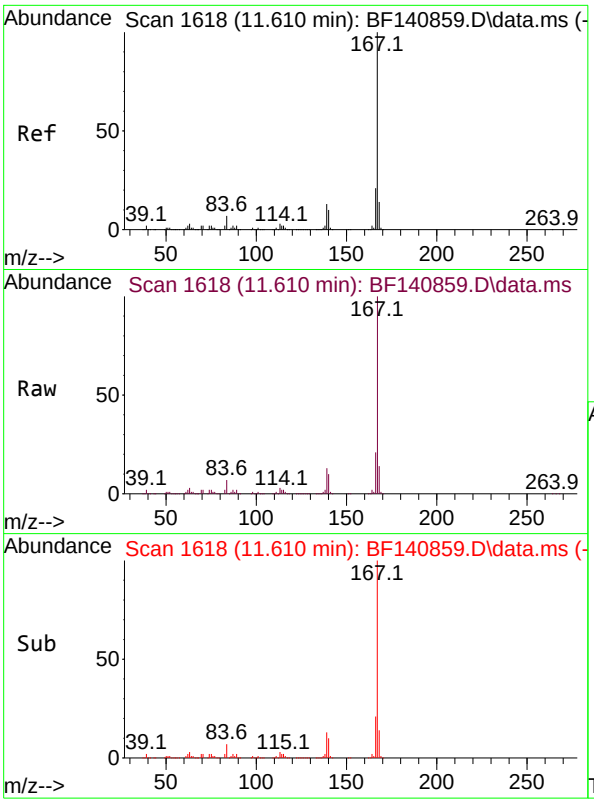




#72
Anthracene
Concen: 38.326 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:178 Resp: 702321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 22.0 |
| 179 | 15.7 | 12.6 | 18.8 |



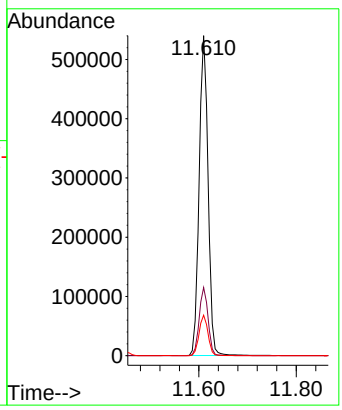


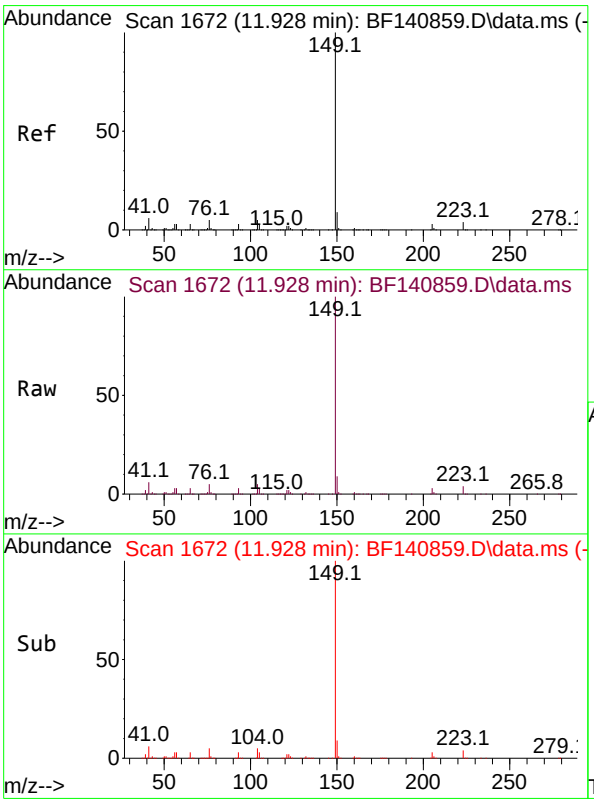

#73
Carbazole
Concen: 38.392 ng
RT: 11.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 689096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.7 | 10.2 | 15.2 |

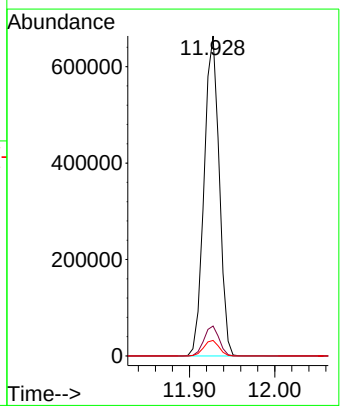


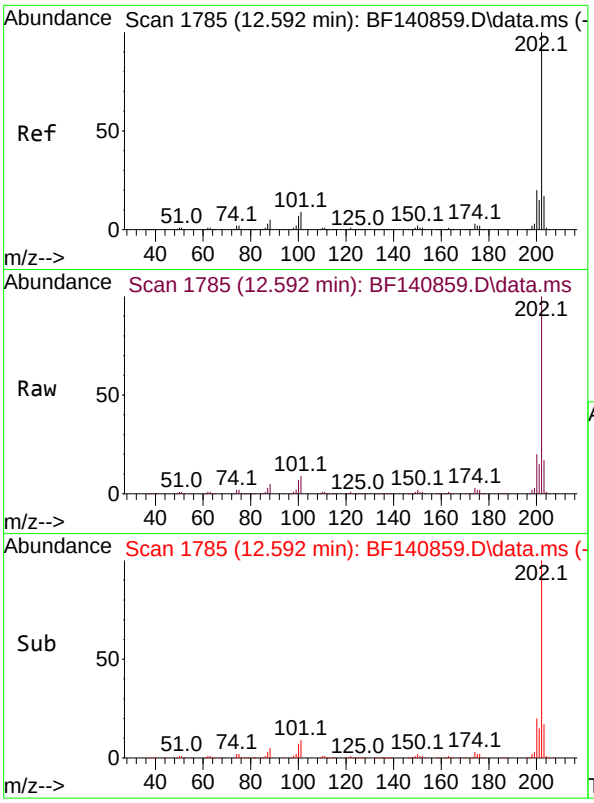




#74
Di-n-butylphthalate
Concen: 38.782 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 816942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.5 | 11.3 |
| 104 | 4.8 | 3.8 | 5.8 |



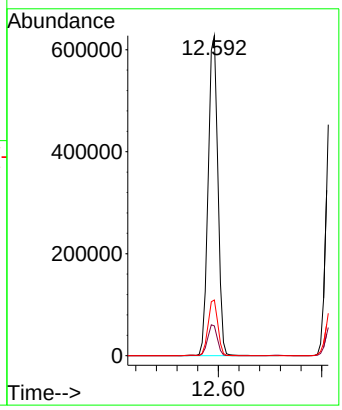


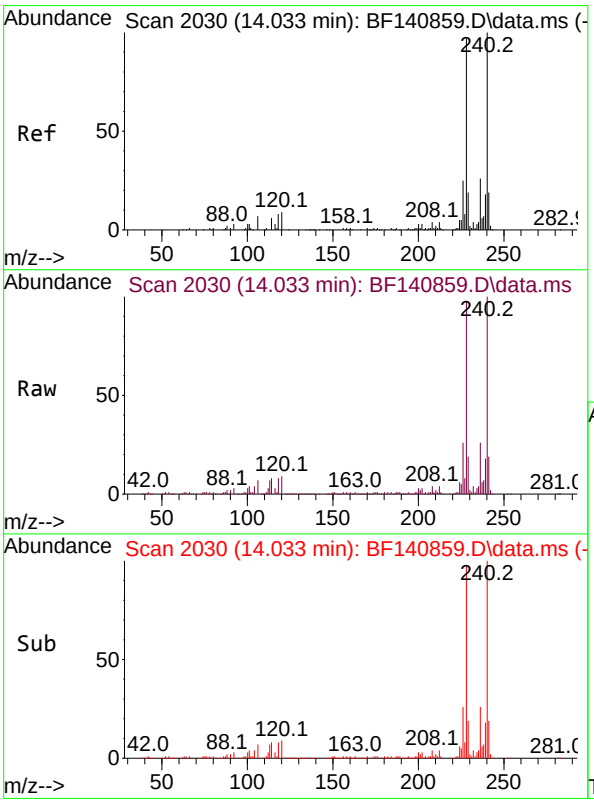

#75
Fluoranthene
Concen: 38.159 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 817749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.3 | 0.0 | 29.3 |
| 203 | 17.4 | 0.0 | 37.4 |

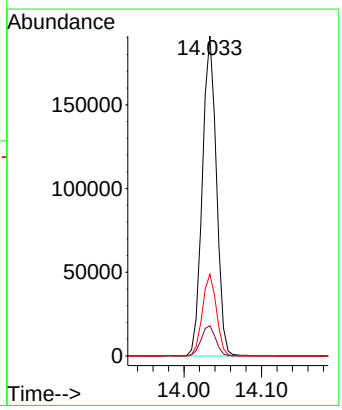


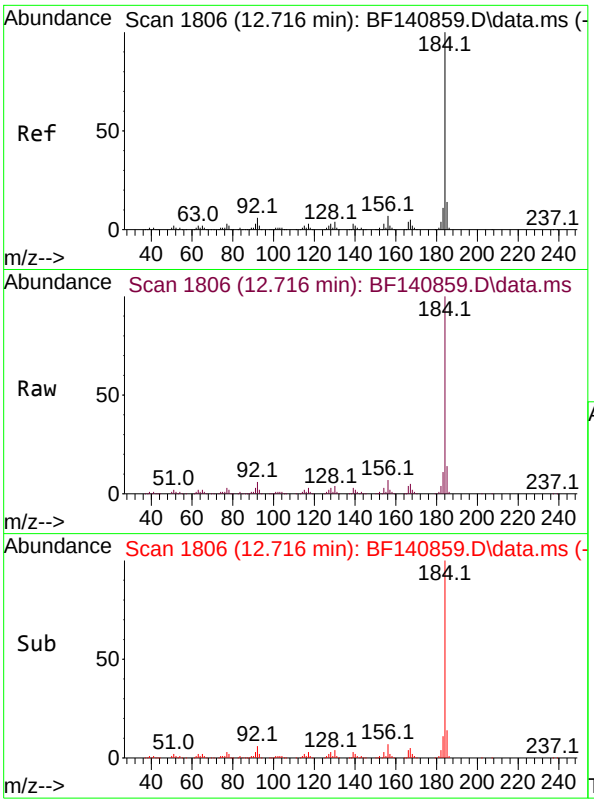




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:240 Resp: 241027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.6 | 20.5 | 30.7 |



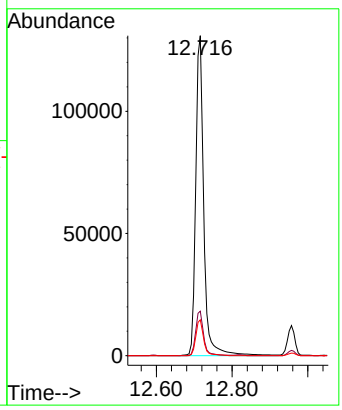


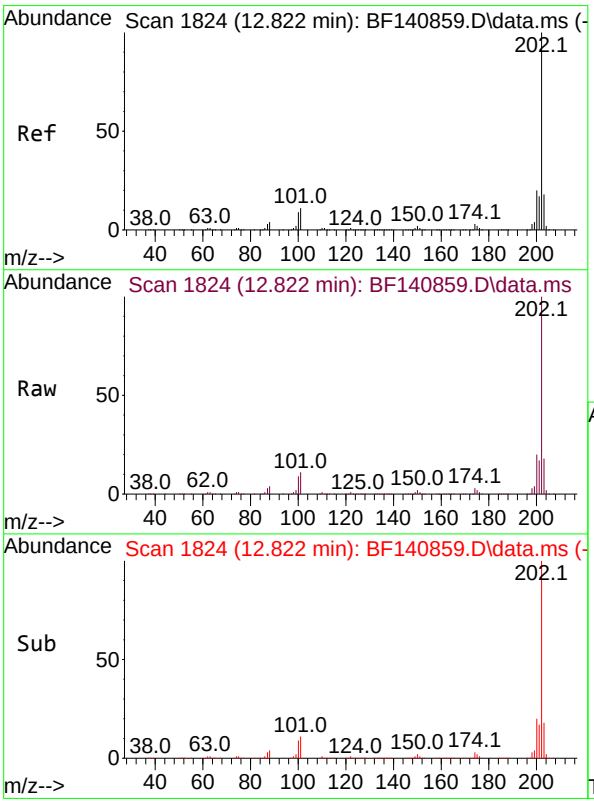

#77
Benzidine
Concen: 39.598 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 194791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.1 | 16.7 |
| 183 | 11.2 | 9.0 | 13.4 |

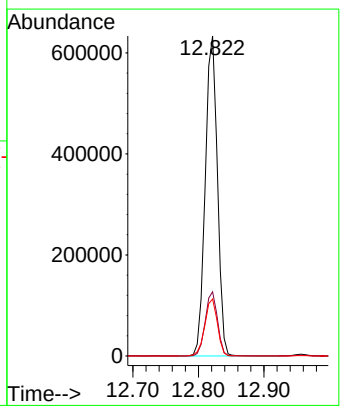


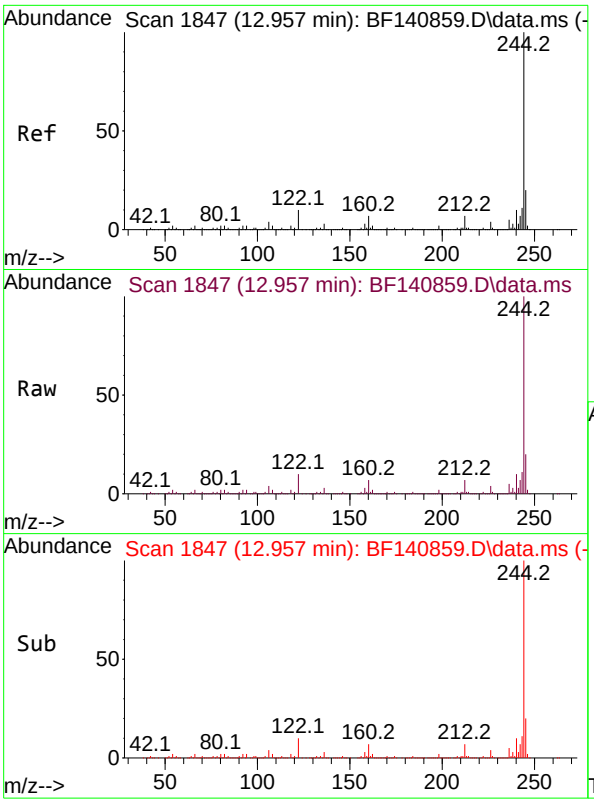




#78
Pyrene
Concen: 38.208 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:202 Resp: 818937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 16.1 | 24.1 |
| 203 | 17.8 | 14.2 | 21.4 |



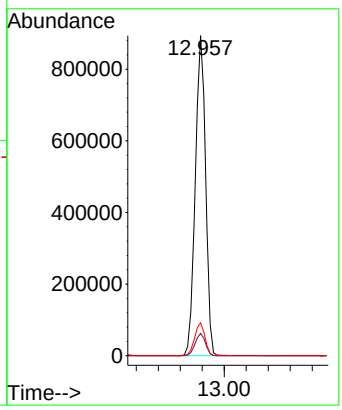


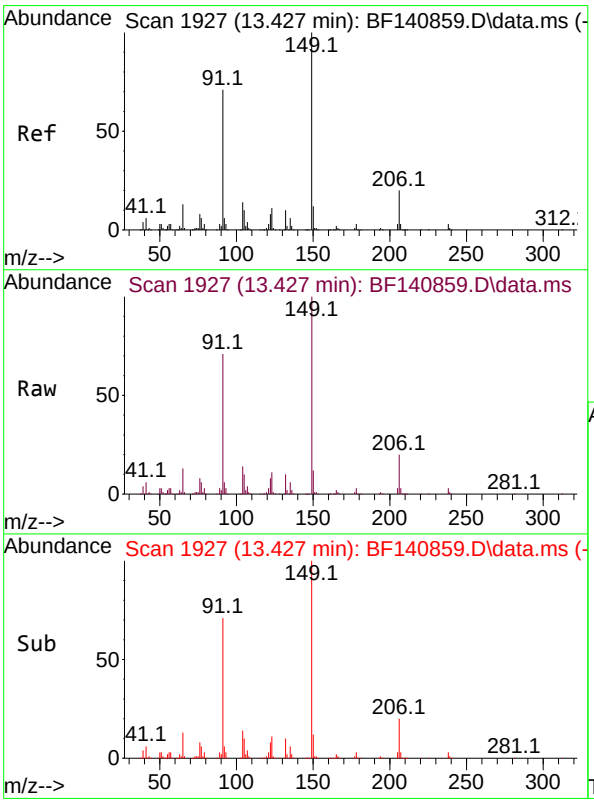

#79
Terphenyl-d14
Concen: 76.093 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 1163098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.2 | 8.2 | 12.2 |

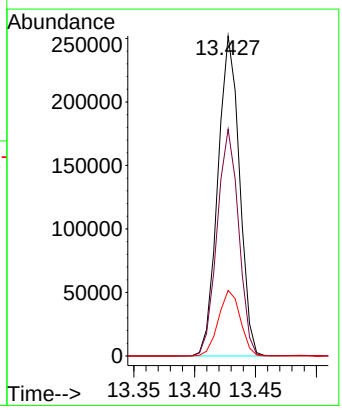


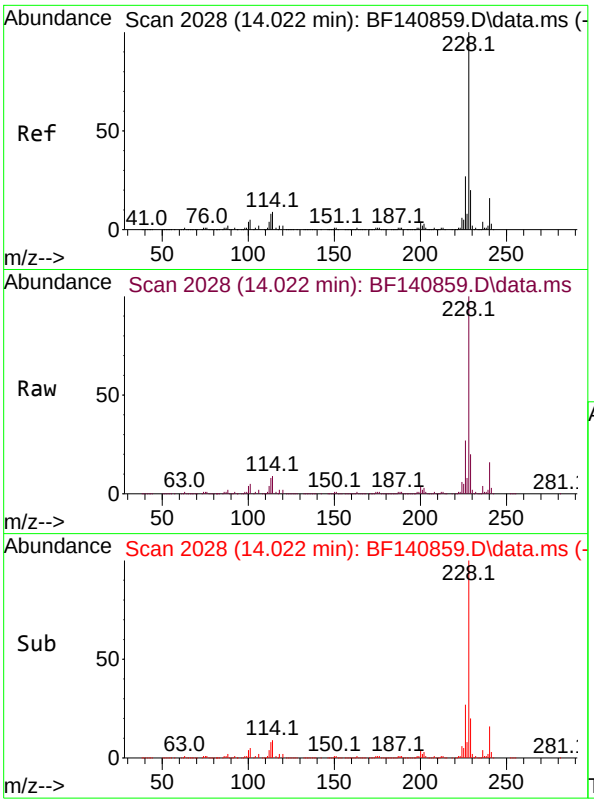




#80
Butylbenzylphthalate
Concen: 39.493 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 311465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.9 | 56.7 | 85.1 |
| 206 | 20.5 | 16.4 | 24.6 |



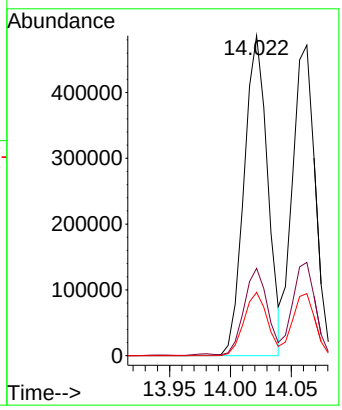


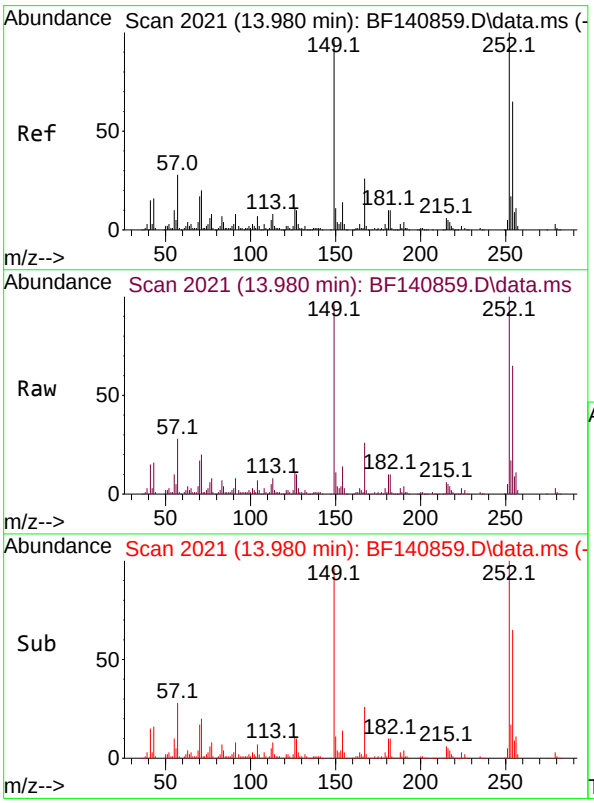

#81
Benzo(a)anthracene
Concen: 38.340 ng
RT: 14.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 654937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.8 | 15.8 | 23.8 |

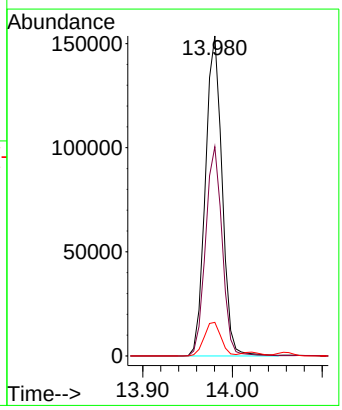


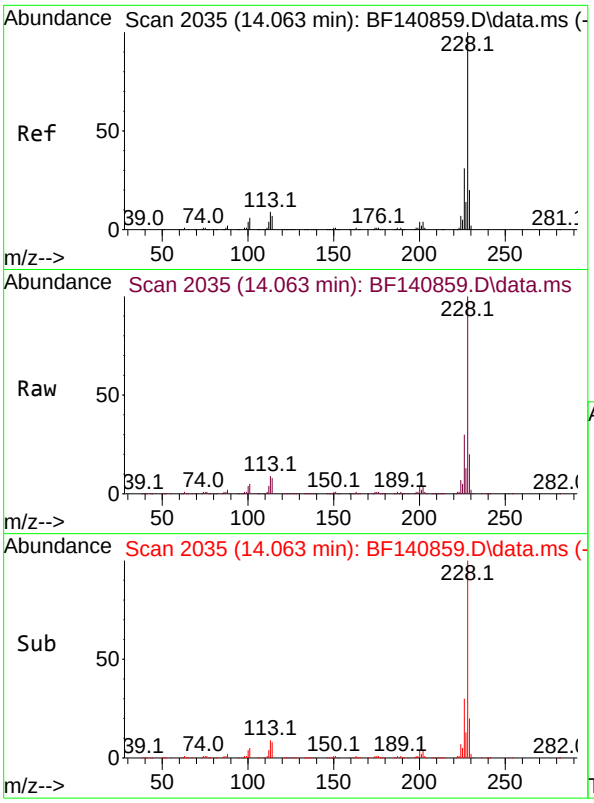




#82
3,3'-Dichlorobenzidine
Concen: 38.511 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:252 Resp: 198481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.4 | 52.3 | 78.5 |
| 126 | 10.5 | 8.4 | 12.6 |



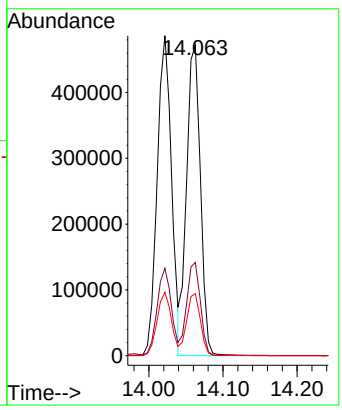


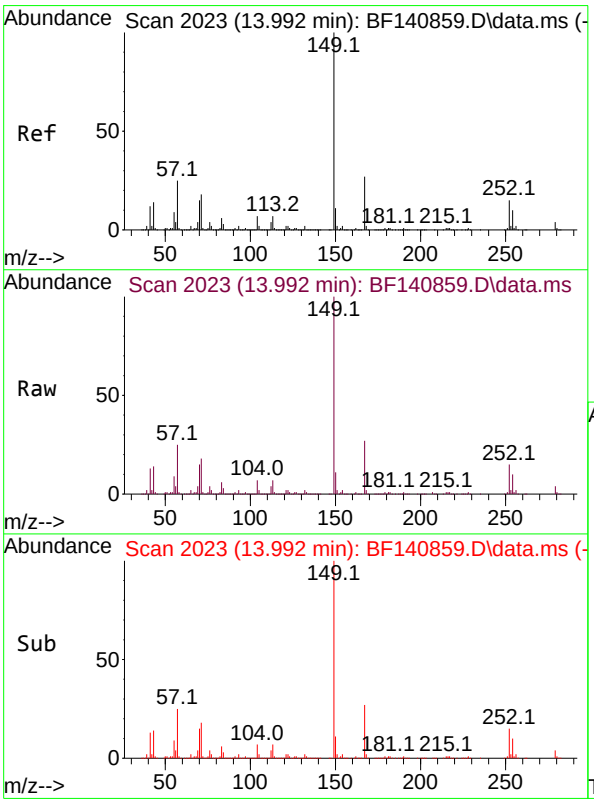

#83
Chrysene
Concen: 39.430 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 612484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 20.0 | 16.0 | 24.0 |

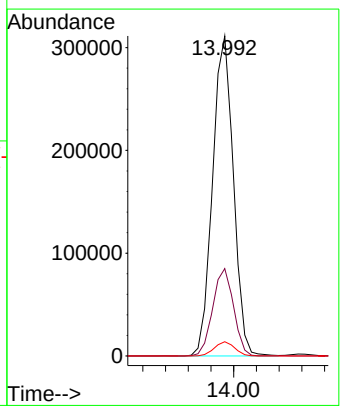


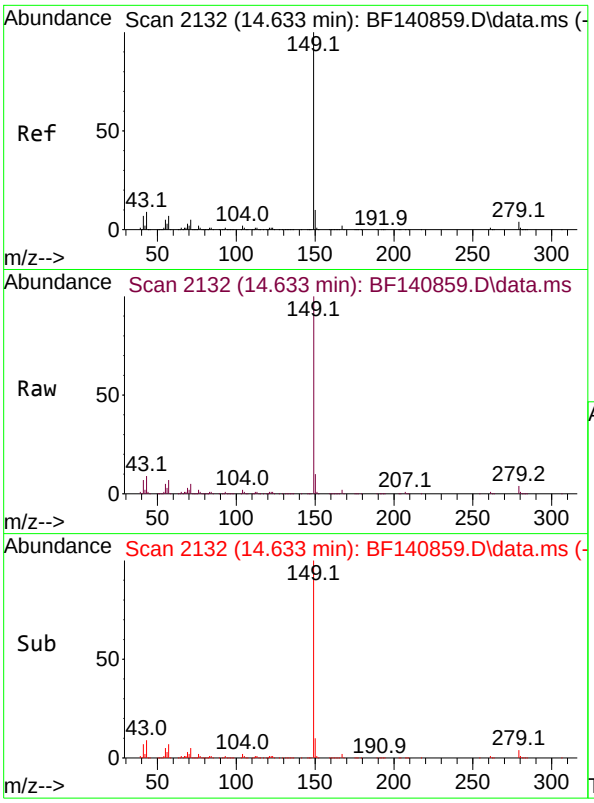




#84
Bis(2-ethylhexyl)phthalate
Concen: 38.939 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 395970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.8 | 32.8 |
| 279 | 4.4 | 3.5 | 5.3 |



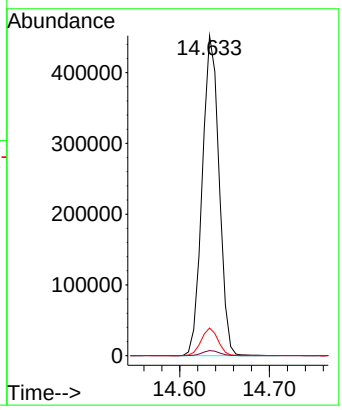


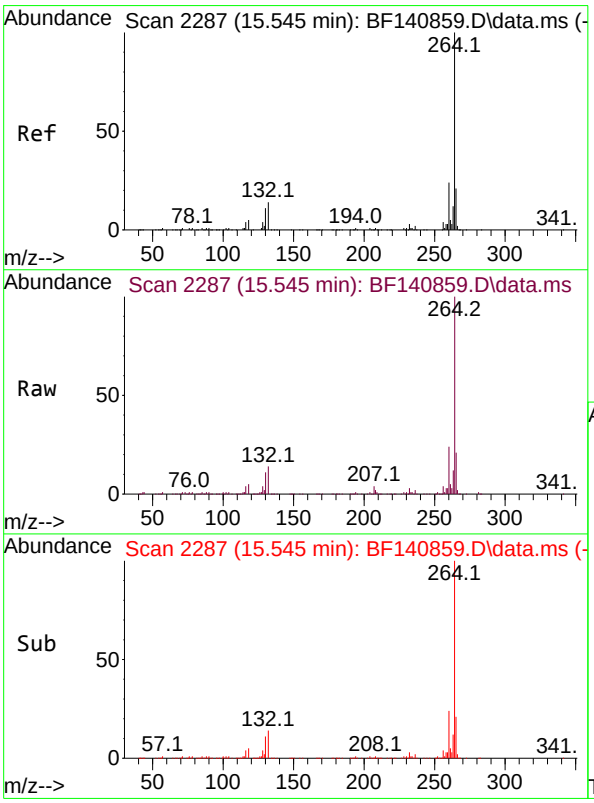

#85
Di-n-octyl phthalate
Concen: 38.326 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 589634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.8 | 7.0 | 10.6 |

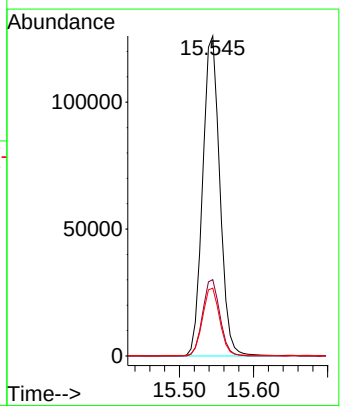


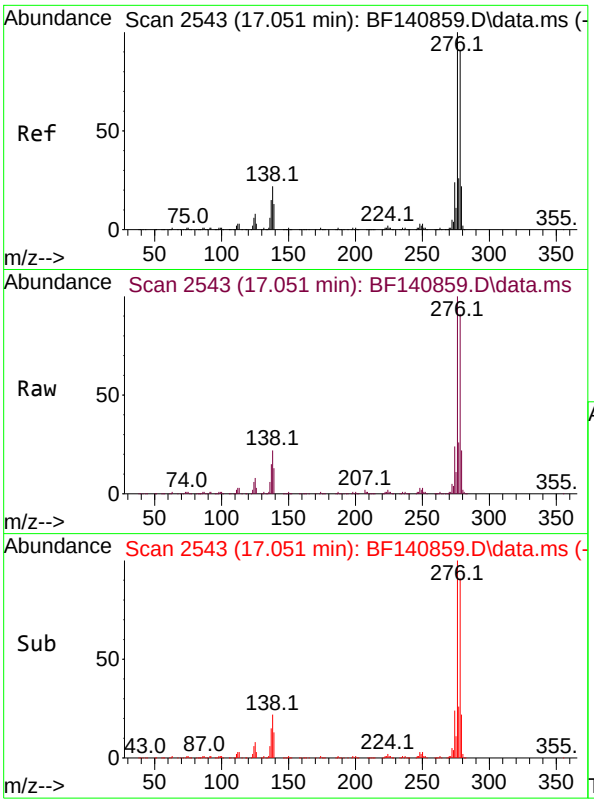




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:264 Resp: 202727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.1 | 28.7 |
| 265 | 21.2 | 17.0 | 25.4 |



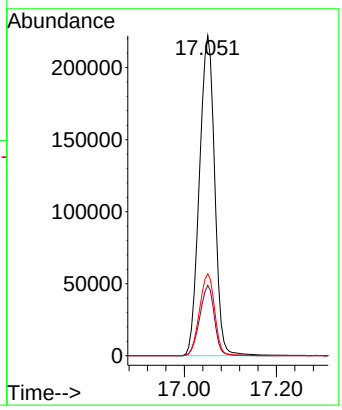


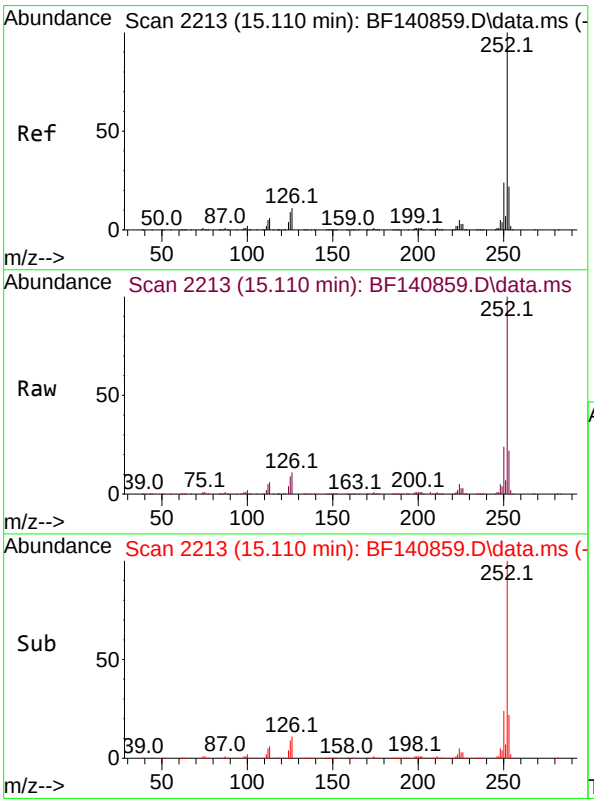

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.662 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 514416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 16.9 | 25.3 |
| 277 | 25.3 | 20.2 | 30.4 |

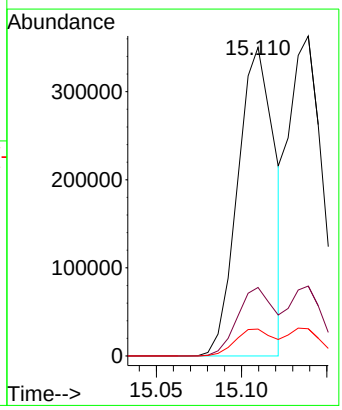


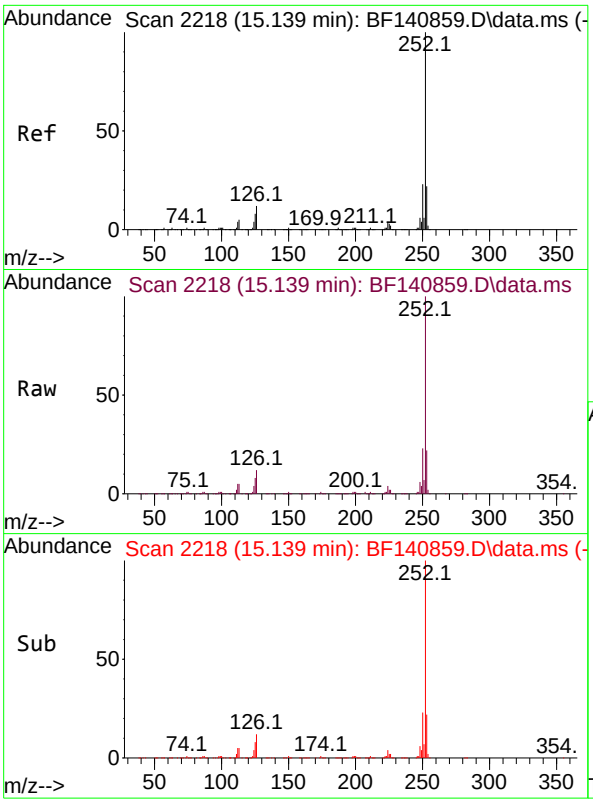




#88
Benzo(b)fluoranthene
Concen: 37.283 ng
RT: 15.110 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:252 Resp: 524660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |



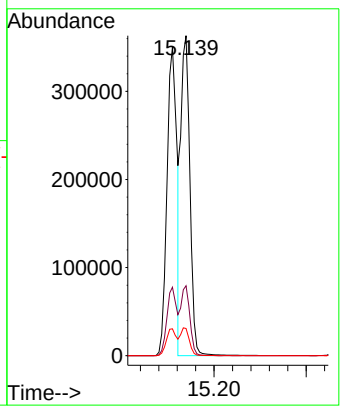


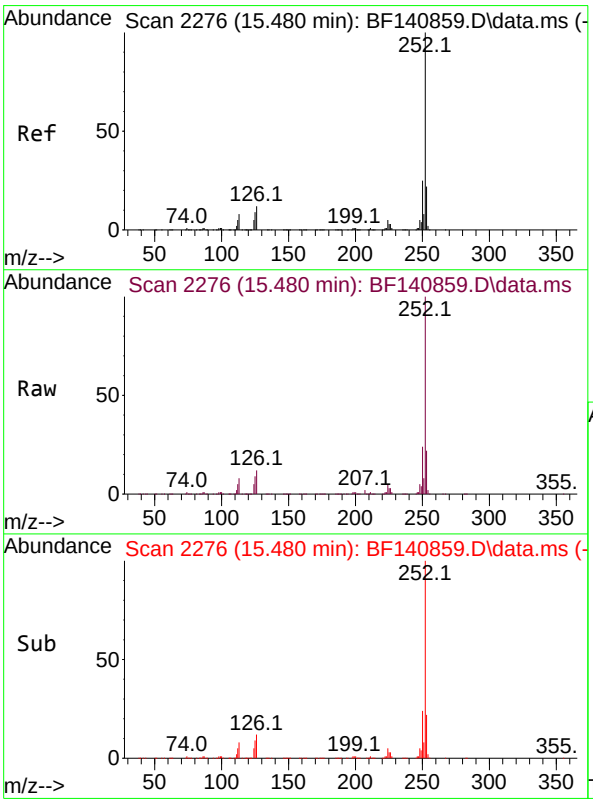

#89
Benzo(k)fluoranthene
Concen: 41.115 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 496310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 8.5 | 6.8 | 10.2 |

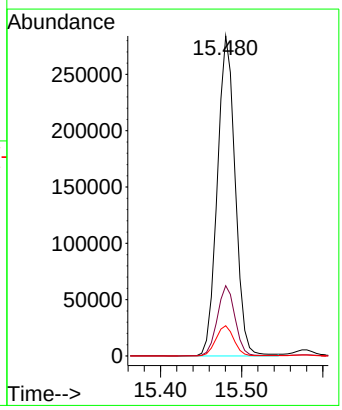


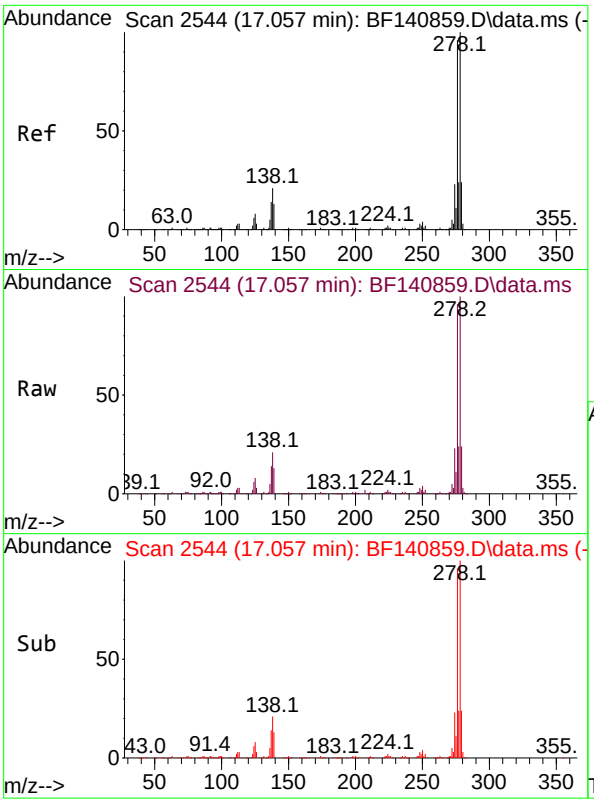




#90
Benzo(a)pyrene
Concen: 39.478 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:252 Resp: 435015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.4 | 7.5 | 11.3 |



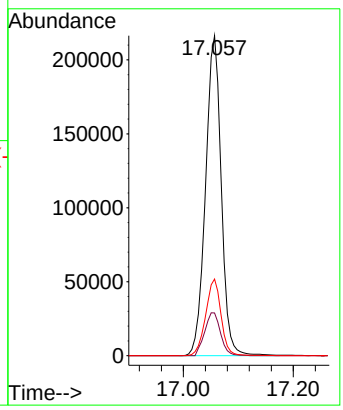


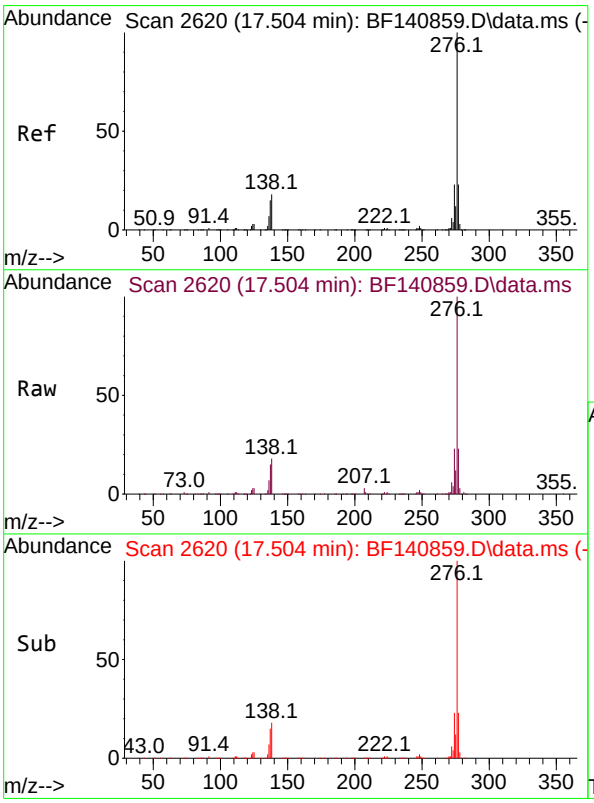

#91
Dibenzo(a,h)anthracene
Concen: 40.931 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 428983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.3 | 10.6 | 16.0 |
| 279 | 24.0 | 19.2 | 28.8 |

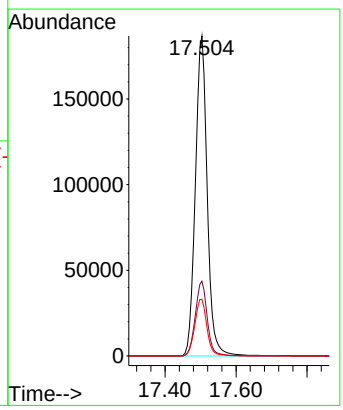



#92
Benzo(g,h,i)perylene
Concen: 40.771 ng
RT: 17.504 min Scan# 2620
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:276 Resp: 434898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 18.7 | 28.1 |
| 138 | 17.7 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 76886 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 285955 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 172713 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.374 | 188 | 351718 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 231973 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 225570 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 473230 | 101.322 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 605803 | 97.928 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 568078 | 99.392 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.680 | 330 | 202693 | 99.228 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1161315 | 92.444 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1405567 | 95.545 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 100045 | 49.730 | ng | 100 |
| 3) Pyridine | 3.399 | 79 | 234673 | 50.370 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.363 | 42 | 119432 | 50.851 | ng | 99 |
| 6) Aniline | 6.522 | 93 | 262131 | 49.559 | ng | 90 |
| 8) 2-Chlorophenol | 6.645 | 128 | 252311 | 49.538 | ng | 98 |
| 9) Benzaldehyde | 6.410 | 77 | 158111 | 46.127 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 315876 | 49.267 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 237699 | 49.712 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 287366 | 49.515 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 287394 | 48.784 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 269678 | 48.518 | ng | 98 |
| 15) Benzyl Alcohol | 6.998 | 79 | 219795 | 49.692 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 276410 | 49.072 | ng | 94 |
| 17) 2-Methylphenol | 7.116 | 107 | 199766 | 49.127 | ng | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 107131 | 48.849 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 180295 | 48.587 | ng | 99 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 261470 | 48.491 | ng | 94 |
| 22) Acetophenone | 7.263 | 105 | 354645 | 49.578 | ng | 99 |
| 24) Nitrobenzene | 7.439 | 77 | 291463 | 49.777 | ng | 99 |
| 25) Isophorone | 7.675 | 82 | 474812 | 49.580 | ng | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 136187 | 50.500 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 156314 | 49.632 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 299078 | 50.002 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 215069 | 49.463 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 244191 | 48.990 | ng | 98 |
| 31) Naphthalene | 8.151 | 128 | 779270 | 49.610 | ng | 100 |
| 32) Benzoic acid | 7.951 | 122 | 157548 | 52.746 | ng | 100 |
| 33) 4-Chloroaniline | 8.210 | 127 | 255688 | 49.011 | ng | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 166884 | 49.763 | ng | 99 |
| 35) Caprolactam | 8.592 | 113 | 63631 | 49.156 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 237414 | 48.512 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 500202 | 48.139 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 490420 | 47.724 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 248636 | 46.837 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 70543 | 50.029 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 154361 | 47.487 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

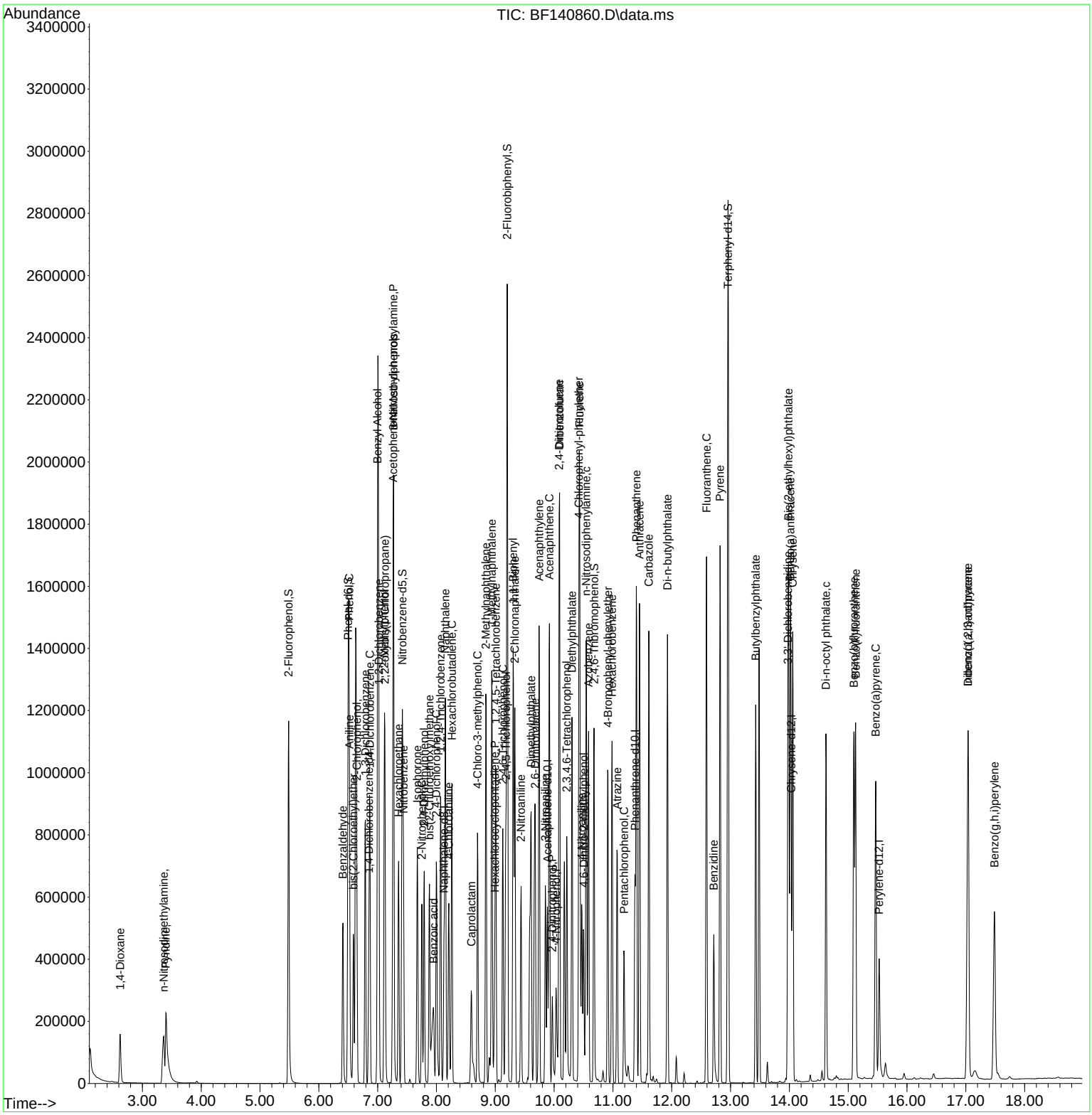
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 170411 | 47.697 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 631768 | 46.001 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 485339 | 46.194 | ng | 98 |
| 48) 2-Nitroaniline | 9.439 | 65 | 147104 | 46.359 | ng | 96 |
| 49) Acenaphthylene | 9.745 | 152 | 732431 | 47.437 | ng | 100 |
| 50) Dimethylphthalate | 9.610 | 163 | 564903 | 46.392 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 130941 | 47.039 | ng | 97 |
| 52) Acenaphthene | 9.922 | 154 | 475150 | 48.175 | ng | 100 |
| 53) 3-Nitroaniline | 9.851 | 138 | 140148 | 50.732 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 62738 | 48.955 | ng | 99 |
| 55) Dibenzofuran | 10.092 | 168 | 736252 | 48.174 | ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 72965 | 50.818 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 181952 | 49.679 | ng | 99 |
| 58) Fluorene | 10.433 | 166 | 617054 | 48.940 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 153671 | 52.784 | ng | 100 |
| 60) Diethylphthalate | 10.304 | 149 | 624564 | 49.463 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 313978 | 49.574 | ng | 99 |
| 62) 4-Nitroaniline | 10.469 | 138 | 148255 | 51.356 | ng | 99 |
| 63) Azobenzene | 10.586 | 77 | 586556 | 49.412 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 103510 | 51.936 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 520491 | 48.132 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 188429 | 47.888 | ng | 97 |
| 68) Hexachlorobenzene | 10.986 | 284 | 215259 | 48.252 | ng | 99 |
| 69) Atrazine | 11.075 | 200 | 134376 | 44.493 | ng | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 89834 | 55.046 | ng | 99 |
| 71) Phenanthrene | 11.398 | 178 | 868333 | 48.009 | ng | 99 |
| 72) Anthracene | 11.451 | 178 | 860045 | 48.285 | ng | 99 |
| 73) Carbazole | 11.610 | 167 | 854710 | 48.990 | ng | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1041587 | 50.870 | ng | 100 |
| 75) Fluoranthene | 12.592 | 202 | 1000374 | 48.026 | ng | 99 |
| 77) Benzidine | 12.716 | 184 | 285677 | 60.340 | ng | 99 |
| 78) Pyrene | 12.821 | 202 | 1021434 | 49.516 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 389705 | 51.343 | ng | 99 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 804868 | 48.956 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 250344 | 50.470 | ng | 99 |
| 83) Chrysene | 14.057 | 228 | 727490 | 48.661 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 495633 | 50.642 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 777794 | 52.530 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.039 | 276 | 625642 | 44.446 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 712222 | 45.486 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 644153 | 47.959 | ng | 99 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 595306 | 48.554 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 517904 | 44.411 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.486 | 276 | 532268 | 44.846 | ng | 99 |

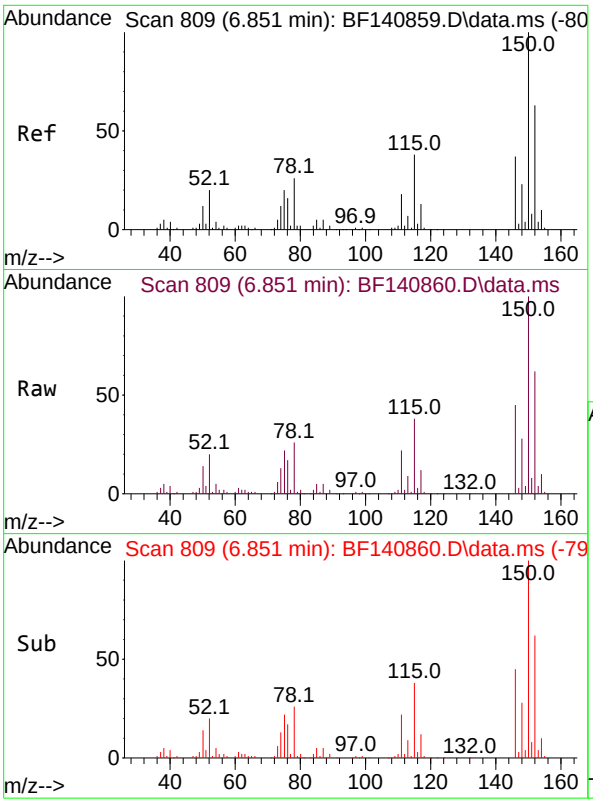
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



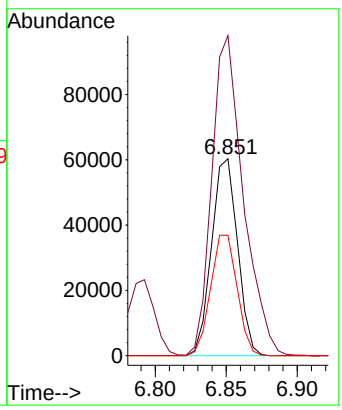


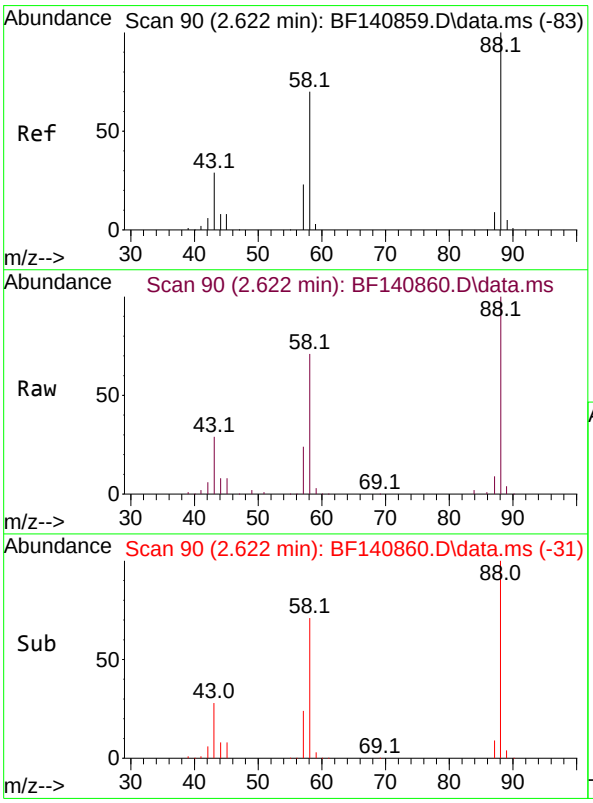

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 76886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.5 | 127.9 | 191.9 |
| 115 | 61.1 | 48.0 | 72.0 |

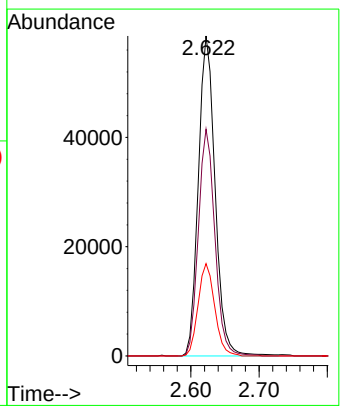


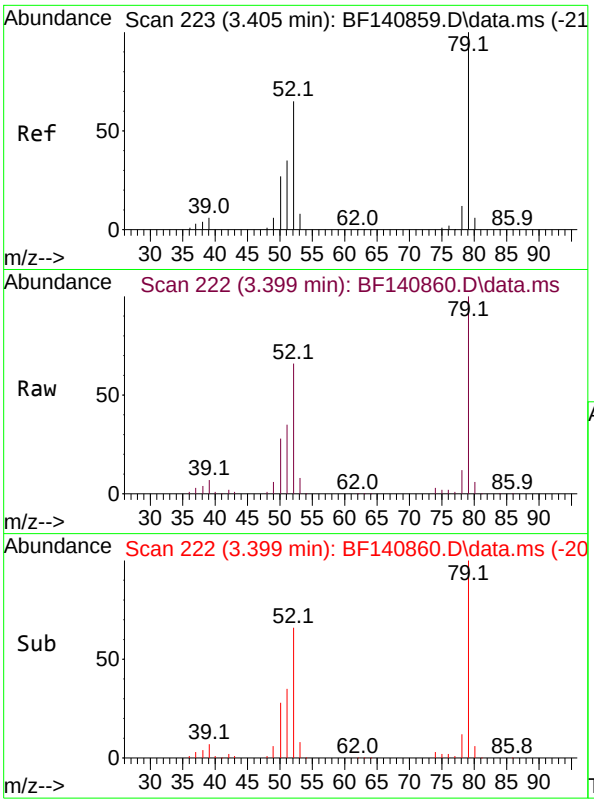




#2
1,4-Dioxane
Concen: 49.730 ng
RT: 2.622 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 88 Resp: 100045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.7 | 55.8 | 83.8 |
| 43 | 28.5 | 22.7 | 34.1 |



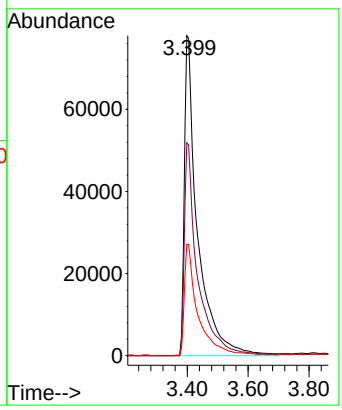


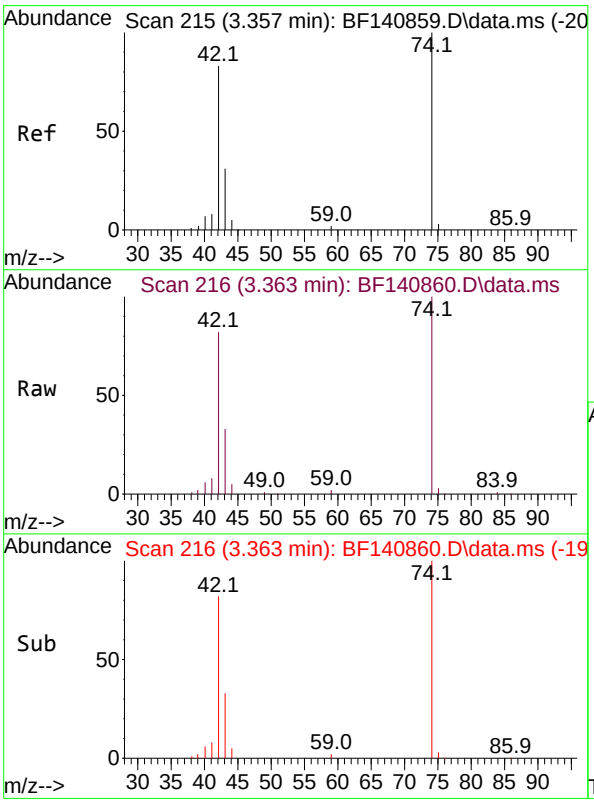

#3
Pyridine
Concen: 50.370 ng
RT: 3.399 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 234673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.5 | 51.7 | 77.5 |
| 51 | 34.9 | 28.2 | 42.4 |

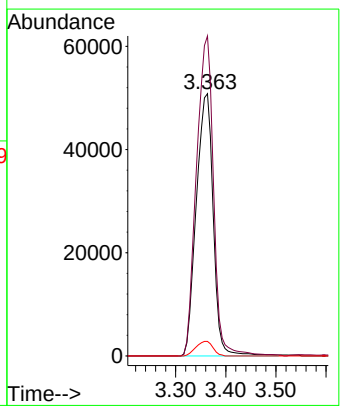


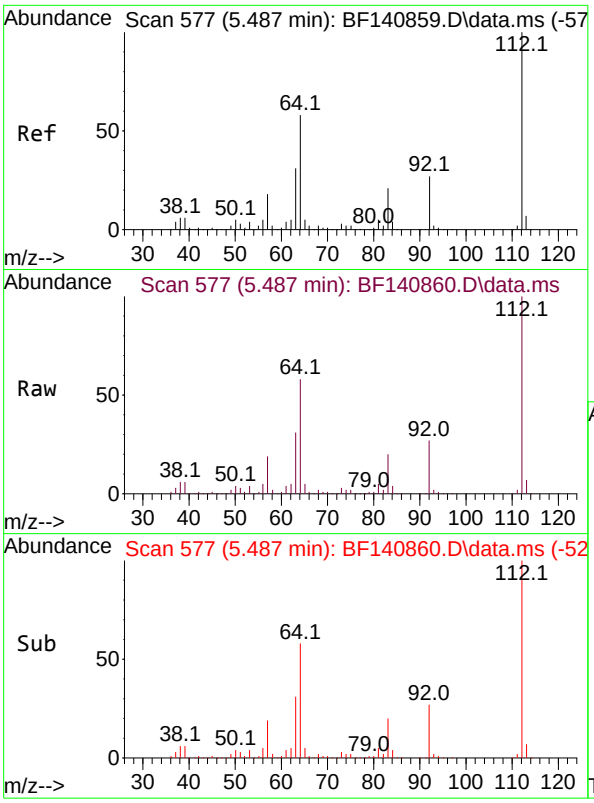




#4
n-Nitrosodimethylamine
Concen: 50.851 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 42 Resp: 119432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 122.0 | 96.9 | 145.3 |
| 44 | 5.5 | 4.4 | 6.6 |



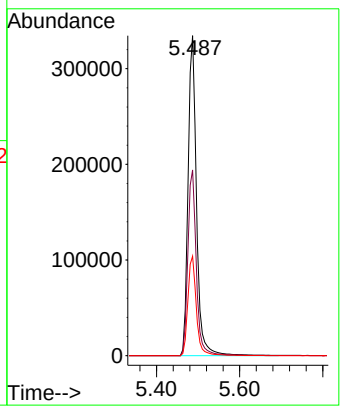


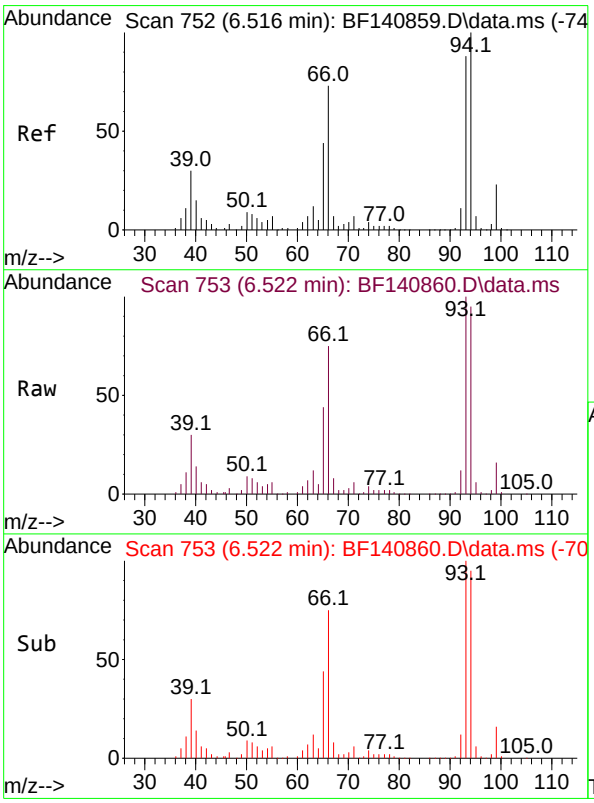

#5
2-Fluorophenol
Concen: 101.322 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 473230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.0 | 46.1 | 69.1 |
| 63 | 31.1 | 24.9 | 37.3 |

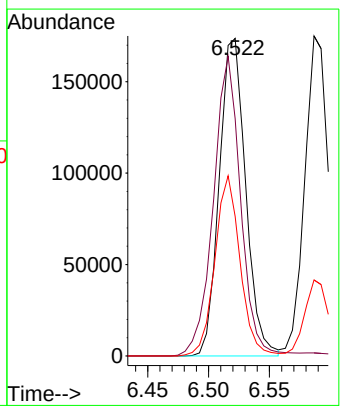


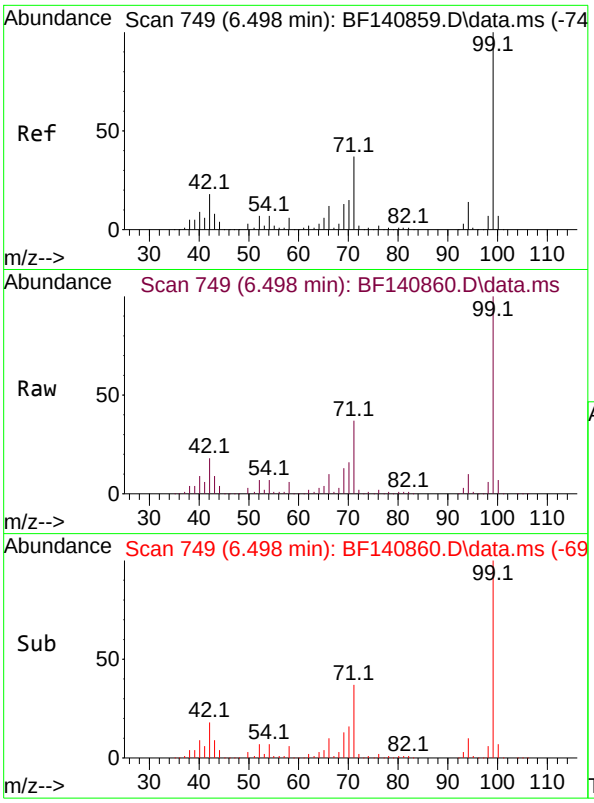




#6
Aniline
Concen: 49.559 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 93 Resp: 262131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 74.7 | 67.0 | 100.4 |
| 65 | 43.9 | 40.4 | 60.6 |



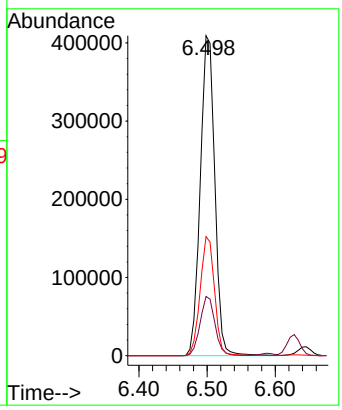


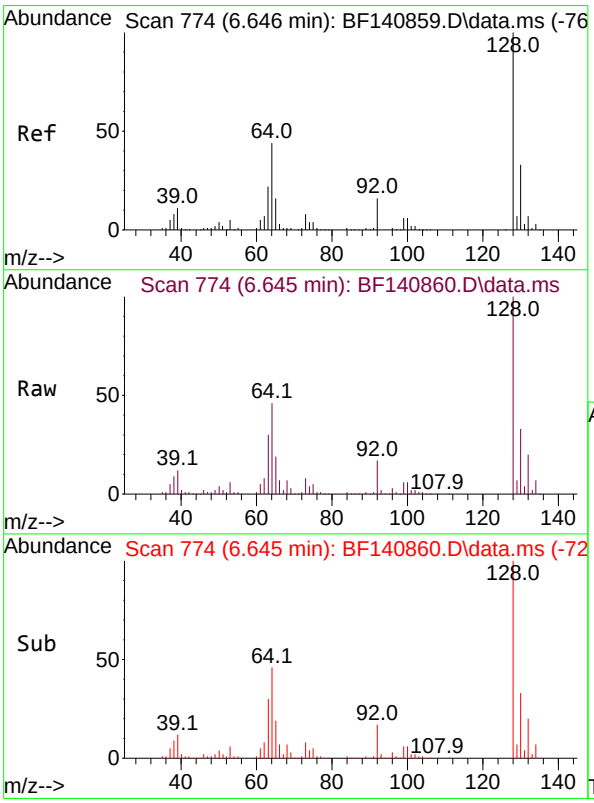

#7
Phenol-d6
Concen: 97.928 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 605803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 14.3 | 21.5 |
| 71 | 37.2 | 29.9 | 44.9 |

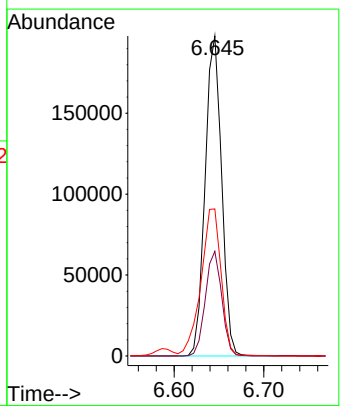


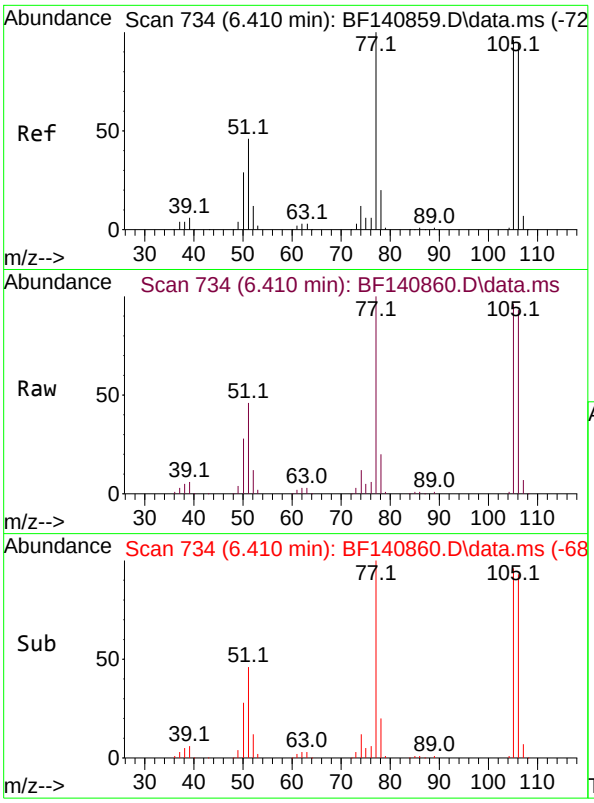




#8
2-Chlorophenol
Concen: 49.538 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:128 Resp: 252311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.9 | 52.9 |
| 64 | 45.9 | 24.3 | 64.3 |



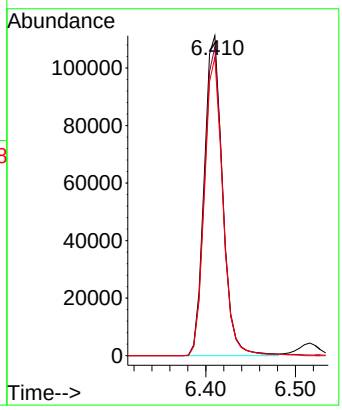


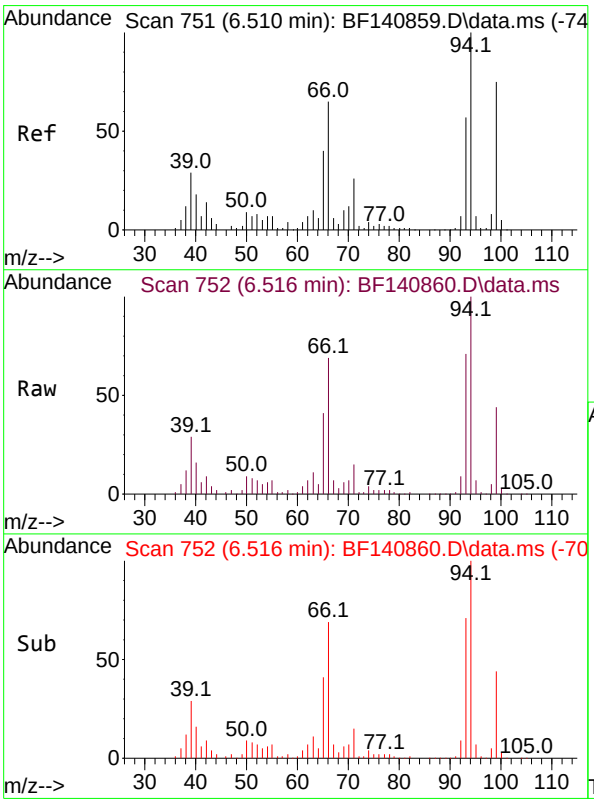

#9
Benzaldehyde
Concen: 46.127 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 158111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.4 | 75.8 | 115.8 |
| 106 | 93.2 | 74.1 | 114.1 |

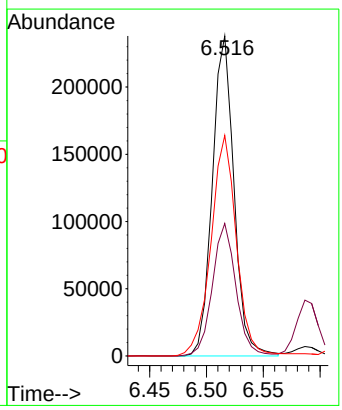


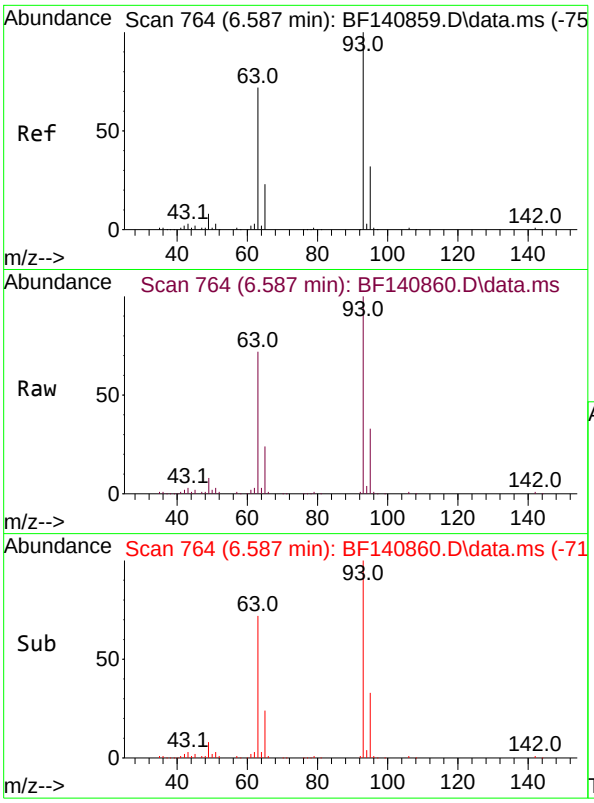




#10
Phenol
Concen: 49.267 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 94 Resp: 315876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.4 | 19.9 | 59.9 |
| 66 | 68.9 | 45.6 | 85.6 |



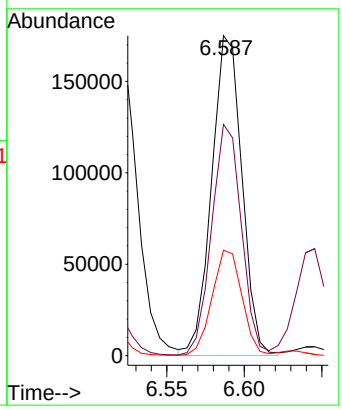


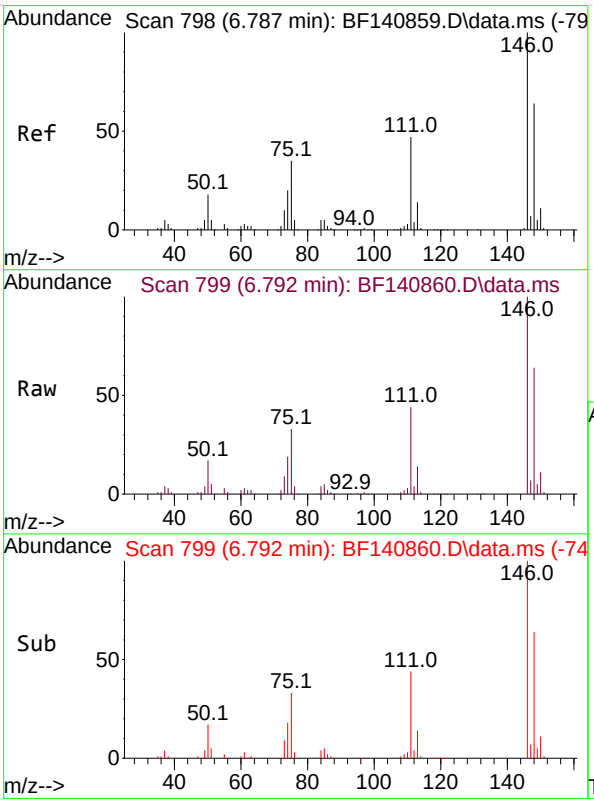

#11
bis(2-Chloroethyl)ether
Concen: 49.712 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 237699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 72.3 | 51.0 | 91.0 |
| 95 | 32.9 | 12.0 | 52.0 |

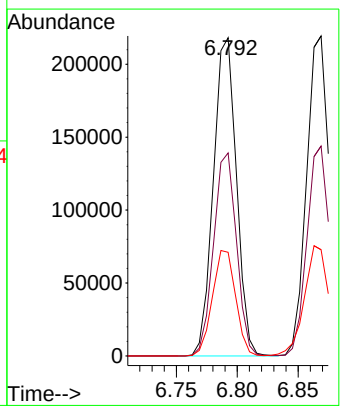


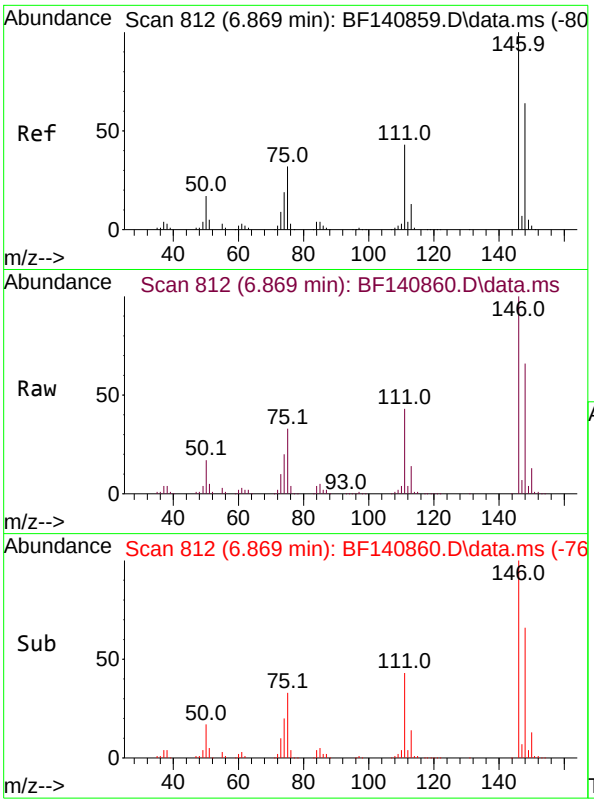




#12
1,3-Dichlorobenzene
Concen: 49.515 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:146 Resp: 287366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 75 | 32.6 | 28.1 | 42.1 |



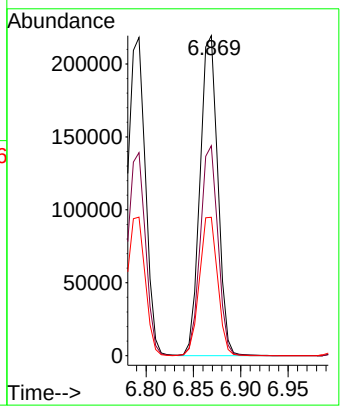


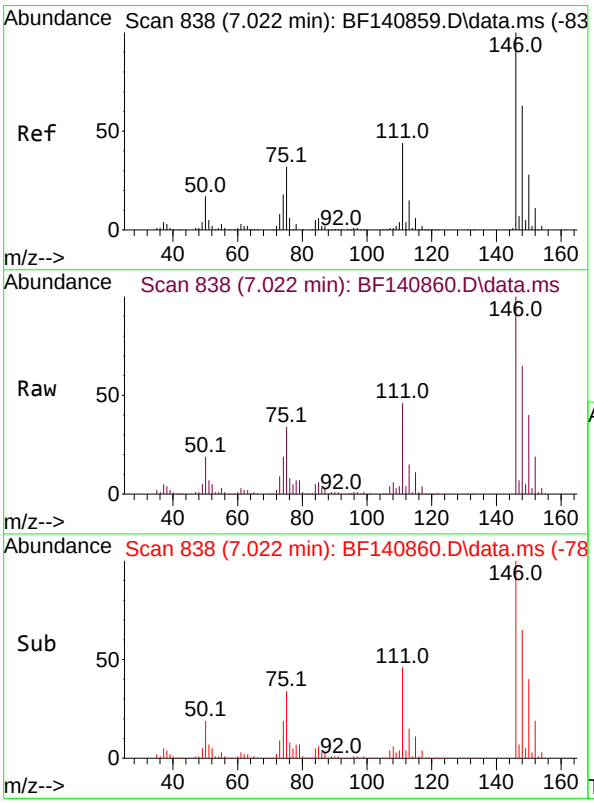

#13
1,4-Dichlorobenzene
Concen: 48.784 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 287394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.6 | 51.3 | 76.9 |
| 111 | 43.3 | 34.4 | 51.6 |

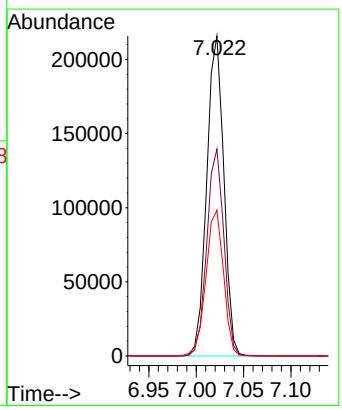


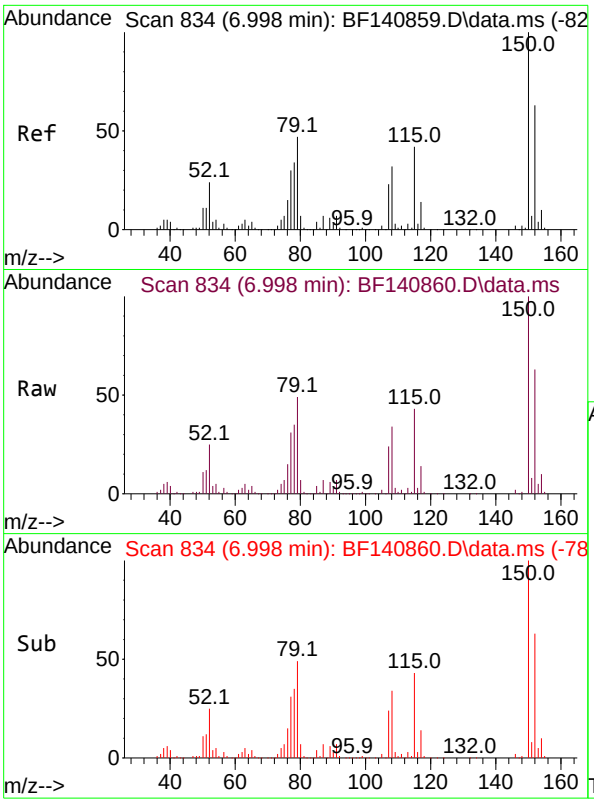




#14
1,2-Dichlorobenzene
Concen: 48.518 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:146 Resp: 269678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.0 | 75.0 |
| 111 | 45.5 | 35.6 | 53.4 |



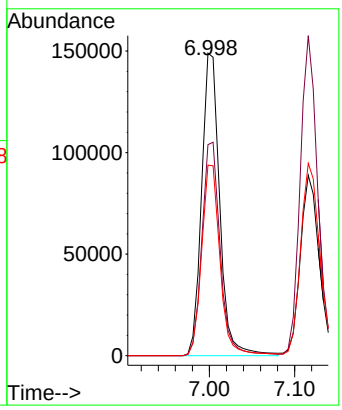


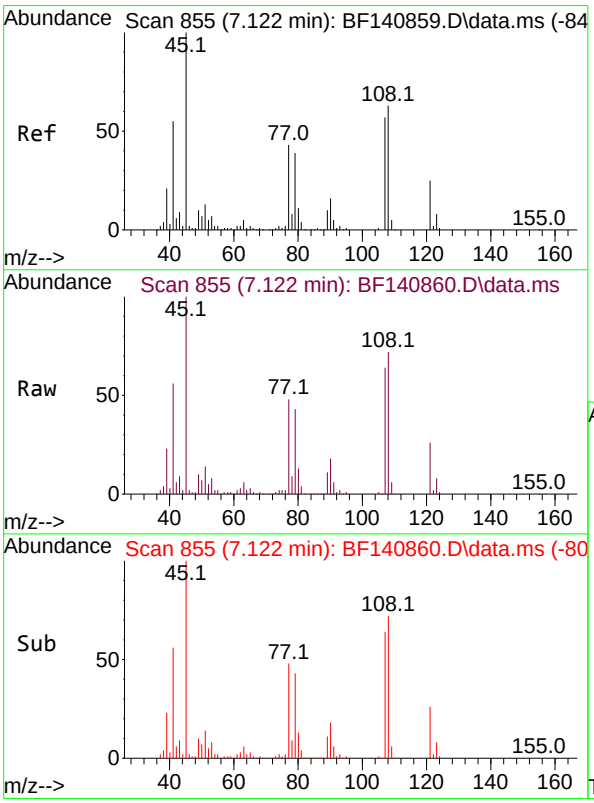

#15
Benzyl Alcohol
Concen: 49.692 ng
RT: 6.998 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 219795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 69.7 | 55.1 | 82.7 |
| 77 | 63.0 | 50.6 | 76.0 |

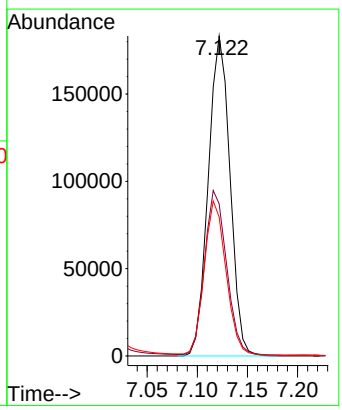


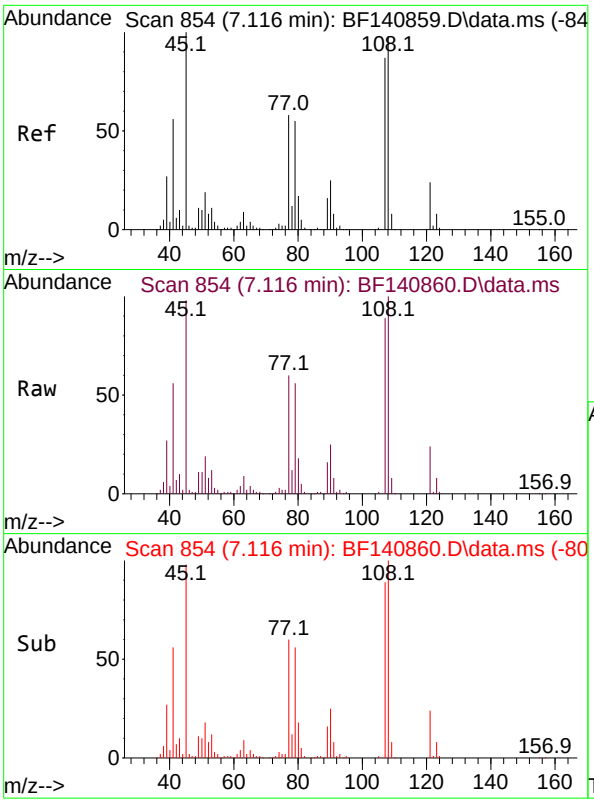




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.072 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 45 Resp: 276410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 47.6 | 23.3 | 63.3 |
| 79 | 43.4 | 20.0 | 60.0 |



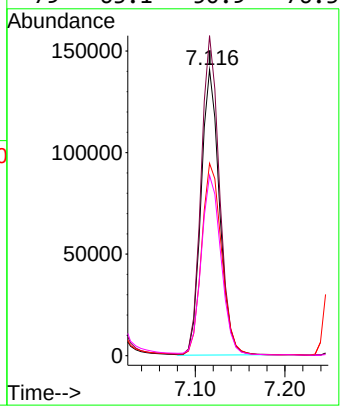


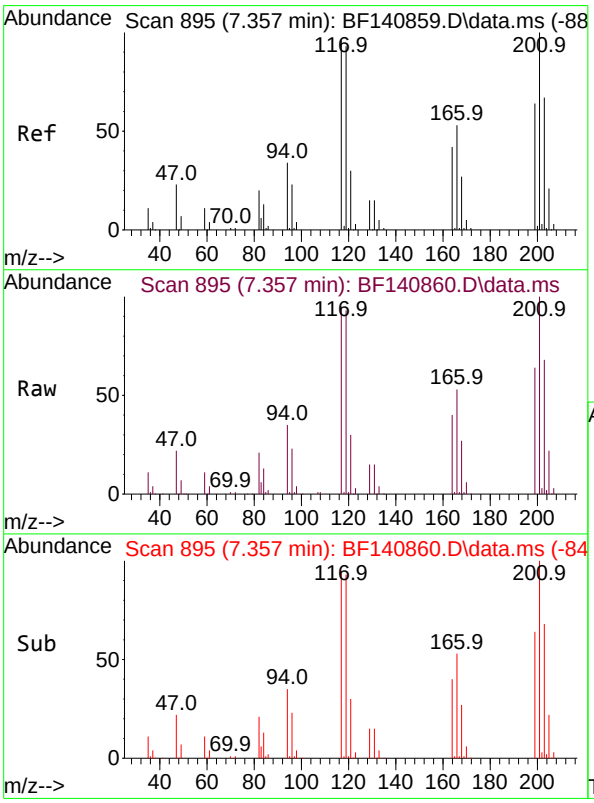

#17
2-Methylphenol
Concen: 49.127 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 199766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.9 | 90.2 | 135.4 |
| 77 | 67.3 | 53.8 | 80.6 |
| 79 | 63.1 | 50.9 | 76.3 |

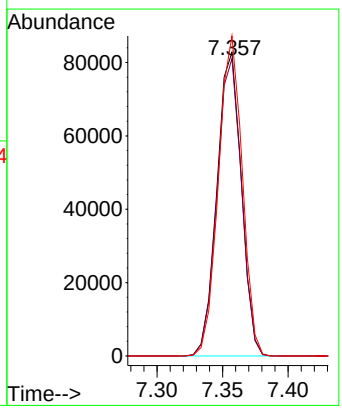


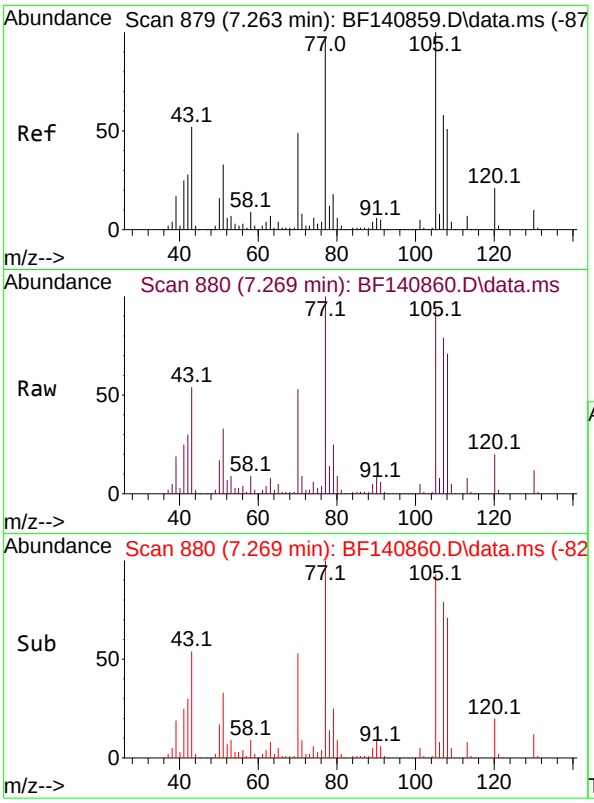




#18
Hexachloroethane
Concen: 48.849 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:117 Resp: 107131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.9 | 77.4 | 116.0 |
| 201 | 105.4 | 83.4 | 125.0 |



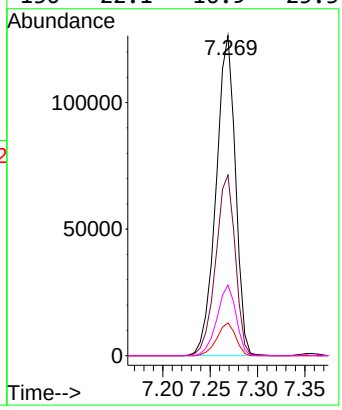


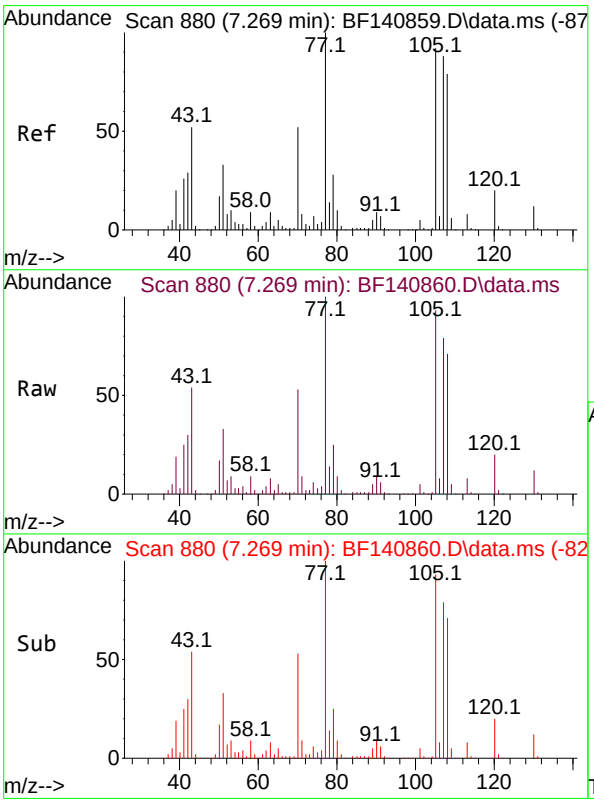

#19
n-Nitroso-di-n-propylamine
Concen: 48.587 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 180295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.4 | 45.3 | 67.9 |
| 101 | 10.2 | 8.0 | 12.0 |
| 130 | 22.1 | 16.9 | 25.3 |

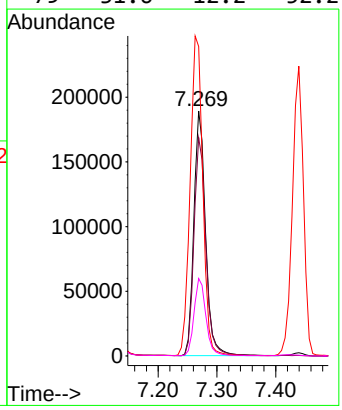


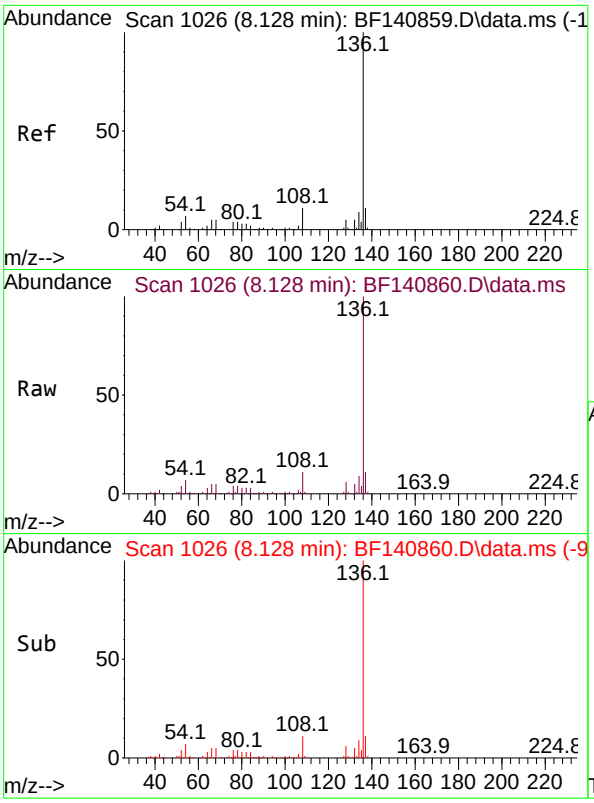




#20
3+4-Methylphenols
Concen: 48.491 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:107 Resp: 261470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.1 | 70.1 | 110.1 |
| 77 | 126.3 | 94.4 | 134.4 |
| 79 | 31.6 | 12.2 | 52.2 |



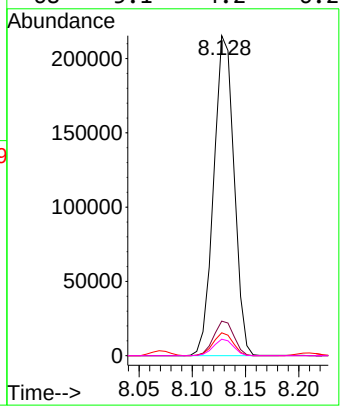


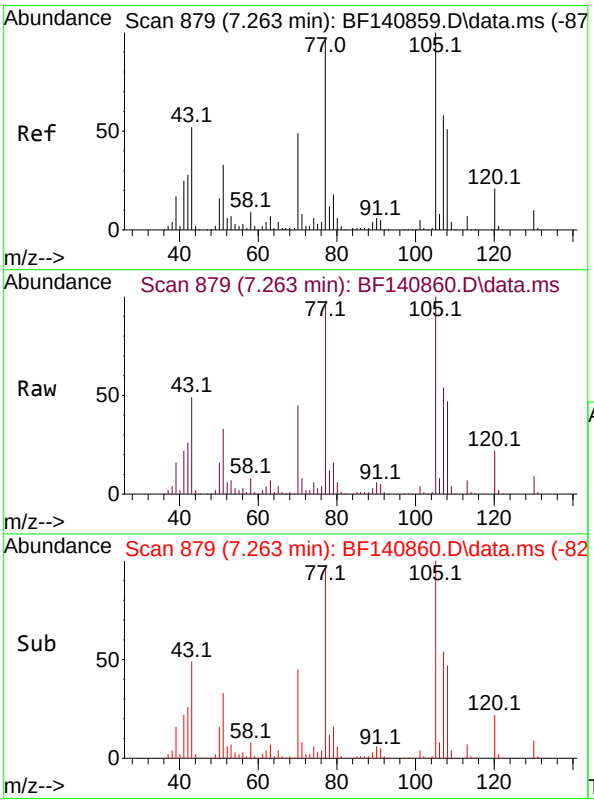

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 285955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 7.1 | 5.6 | 8.4 |
| 68 | 5.1 | 4.2 | 6.2 |

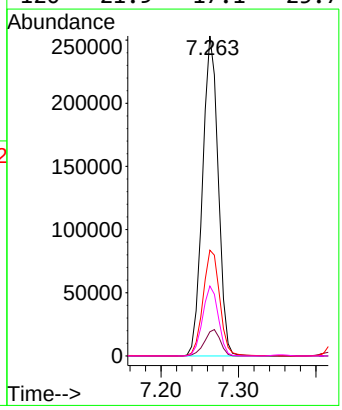


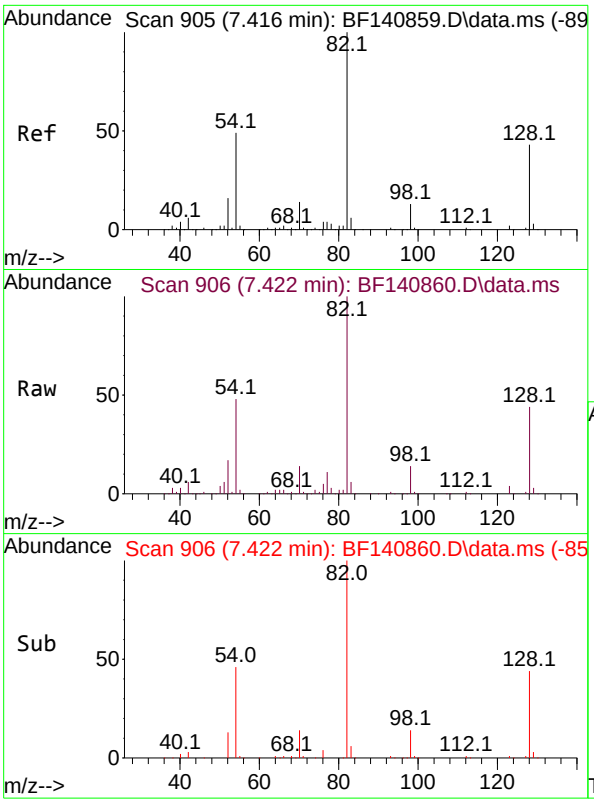




#22
Acetophenone
Concen: 49.578 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:105 Resp: 354645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 6.2 | 9.4 |
| 51 | 33.1 | 26.3 | 39.5 |
| 120 | 21.9 | 17.1 | 25.7 |



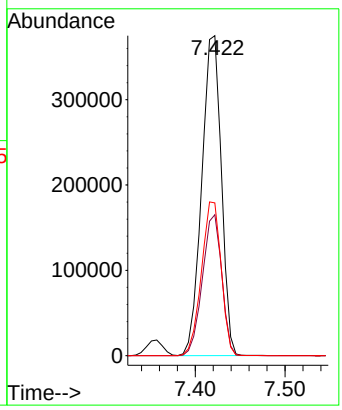


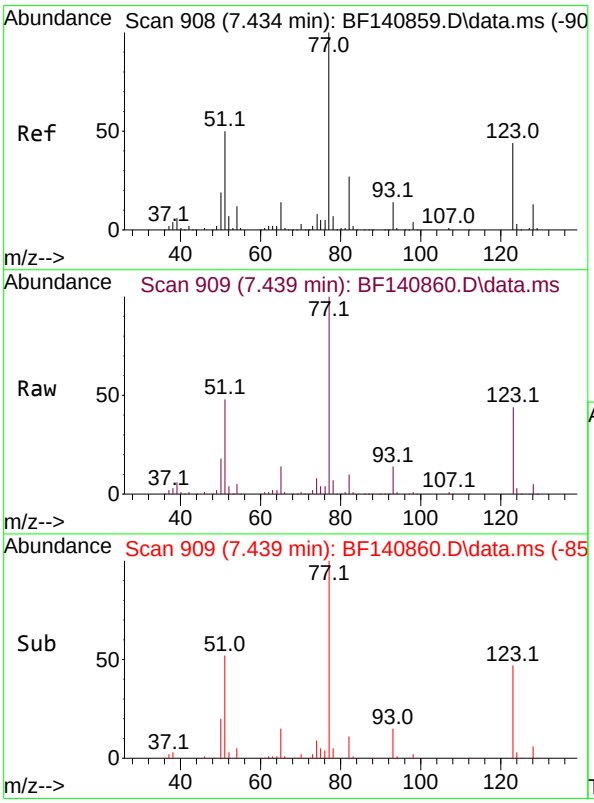

#23
Nitrobenzene-d5
Concen: 99.392 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 568078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 34.4 | 51.6 |
| 54 | 47.7 | 38.8 | 58.2 |

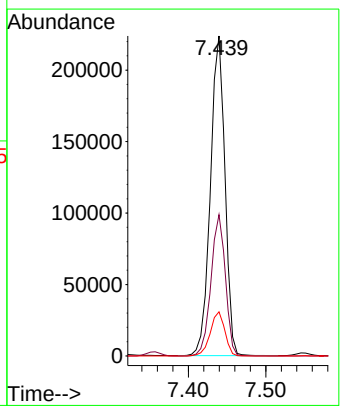


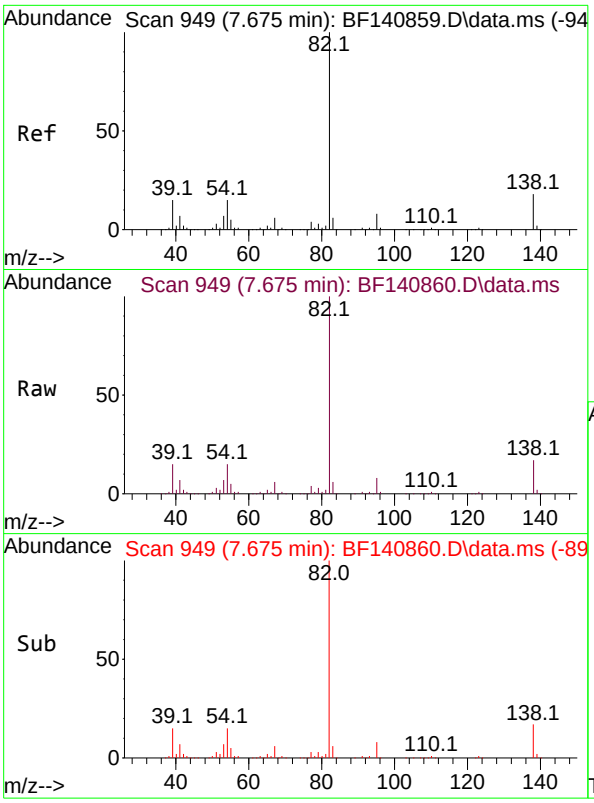




#24
Nitrobenzene
Concen: 49.777 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 77 Resp: 291463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.1 | 35.0 | 52.4 |
| 65 | 13.8 | 11.4 | 17.0 |



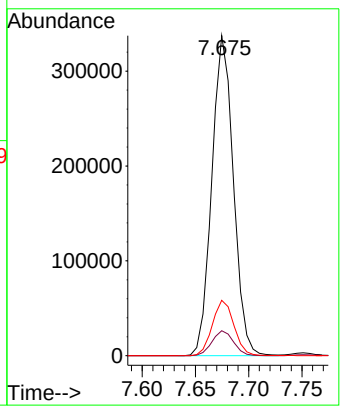


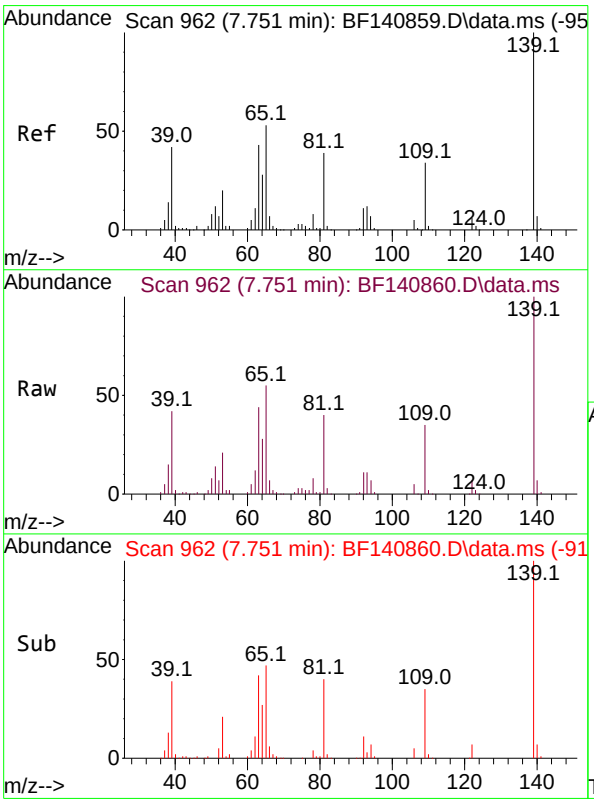

#25
Isophorone
Concen: 49.580 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 474812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.3 | 9.5 |
| 138 | 17.3 | 14.1 | 21.1 |

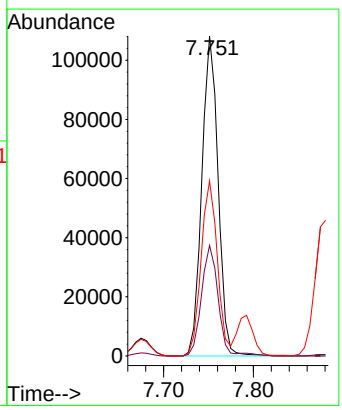


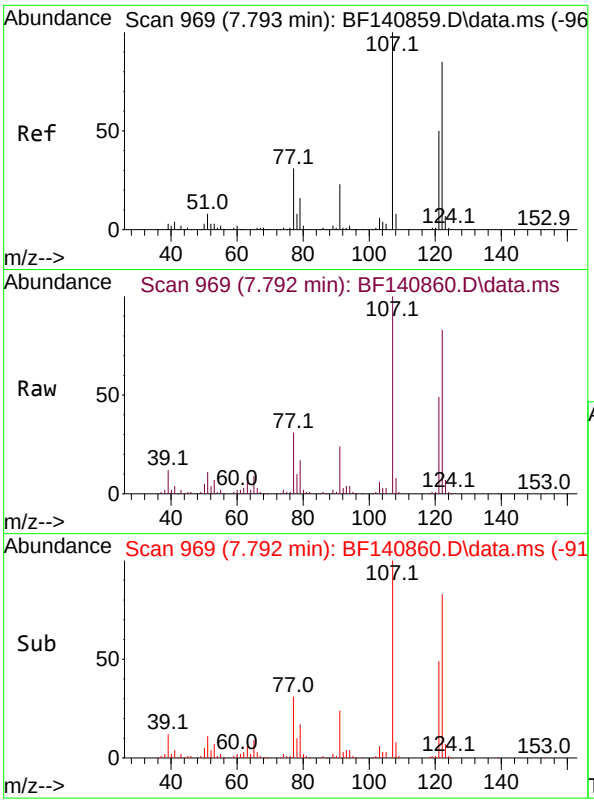




#26
2-Nitrophenol
Concen: 50.500 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:139 Resp: 136187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.5 | 26.9 | 40.3 |
| 65 | 54.7 | 42.6 | 64.0 |



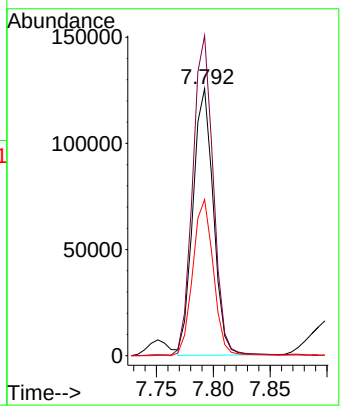


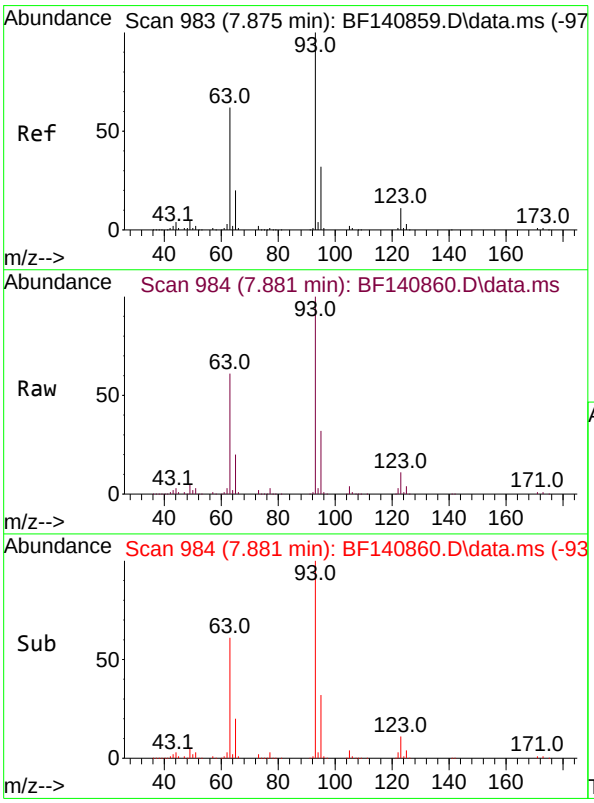

#27
2,4-Dimethylphenol
Concen: 49.632 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 156314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.8 | 92.6 | 139.0 |
| 121 | 58.5 | 45.8 | 68.8 |

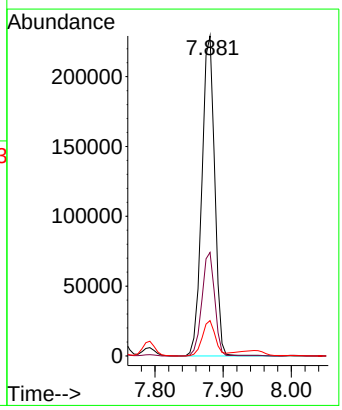


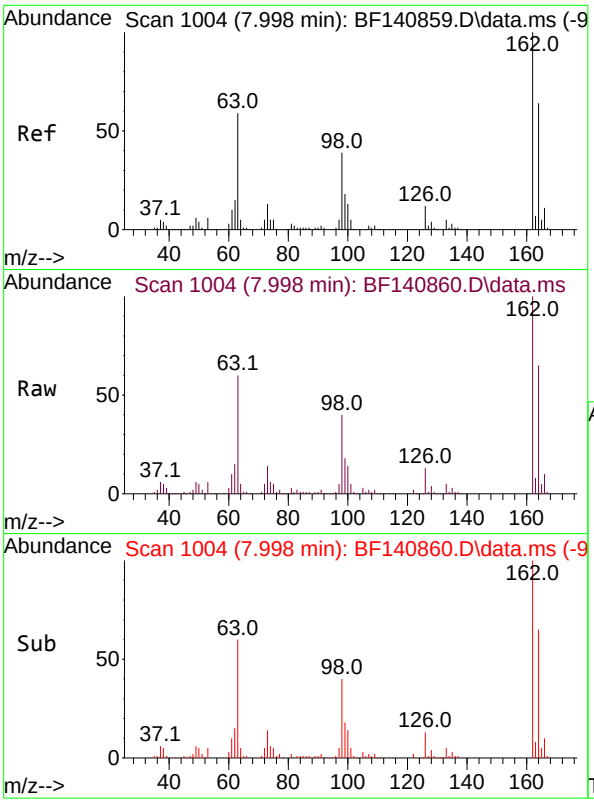




#28
bis(2-Chloroethoxy)methane
Concen: 50.002 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 93 Resp: 299078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.3 | 37.9 |
| 123 | 11.0 | 8.6 | 13.0 |



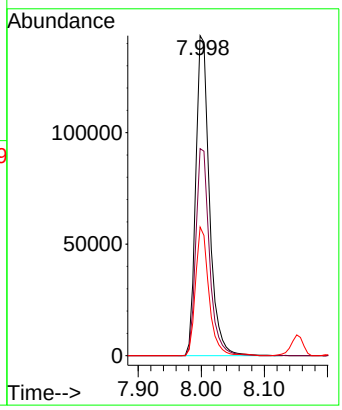


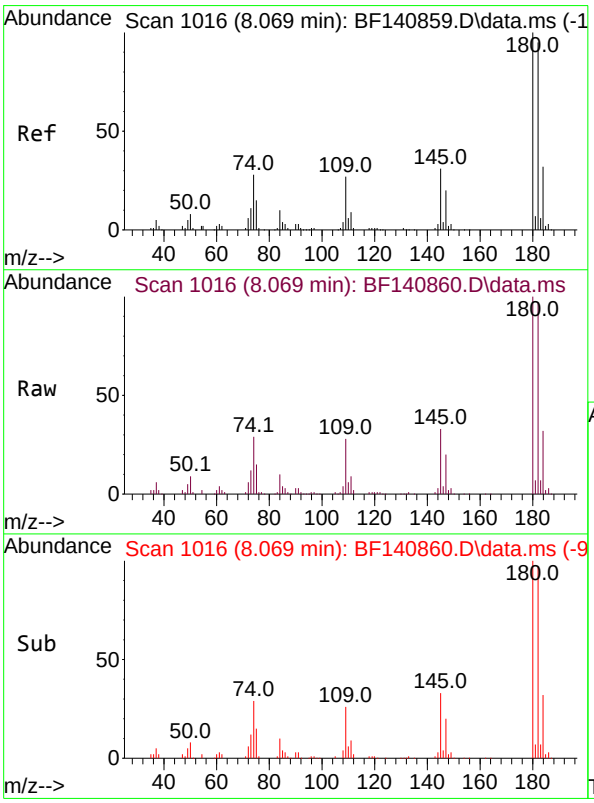

#29
2,4-Dichlorophenol
Concen: 49.463 ng
RT: 7.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 215069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.7 | 43.7 | 83.7 |
| 98 | 40.2 | 18.6 | 58.6 |

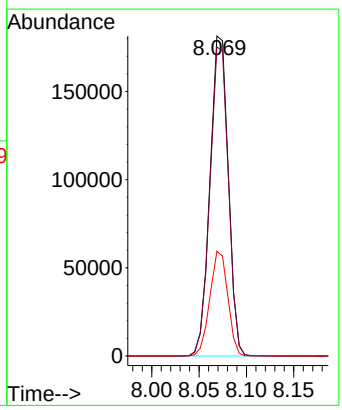


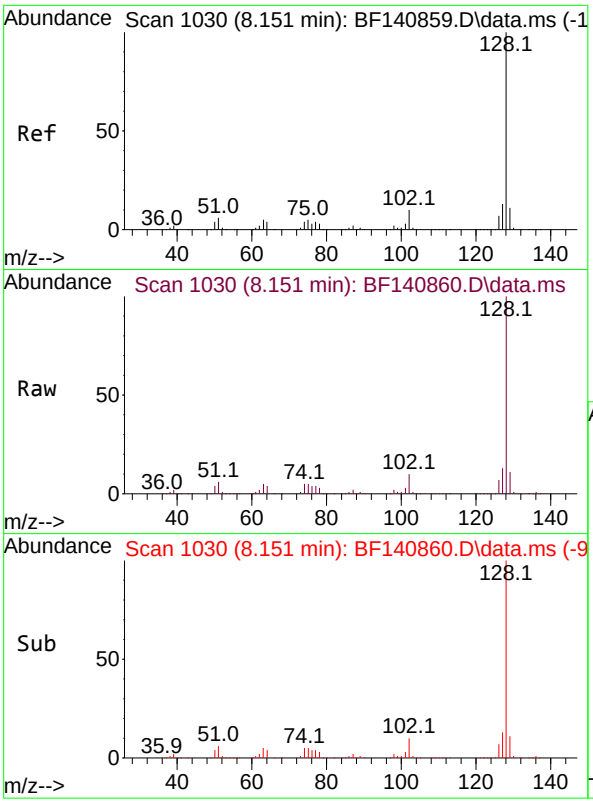




#30
1,2,4-Trichlorobenzene
Concen: 48.990 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:180 Resp: 244191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 75.8 | 113.6 |
| 145 | 32.7 | 25.2 | 37.8 |



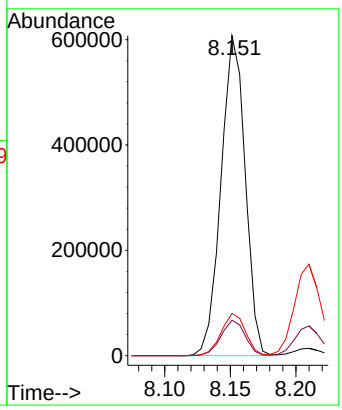


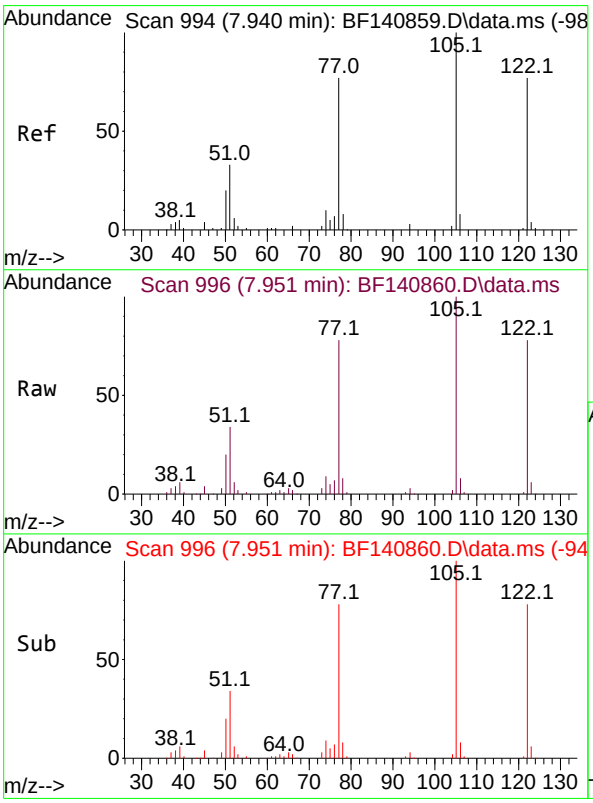

#31
Naphthalene
Concen: 49.610 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 779270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.9 | 13.3 |
| 127 | 13.2 | 10.6 | 16.0 |

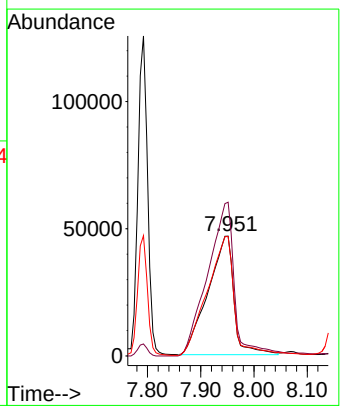


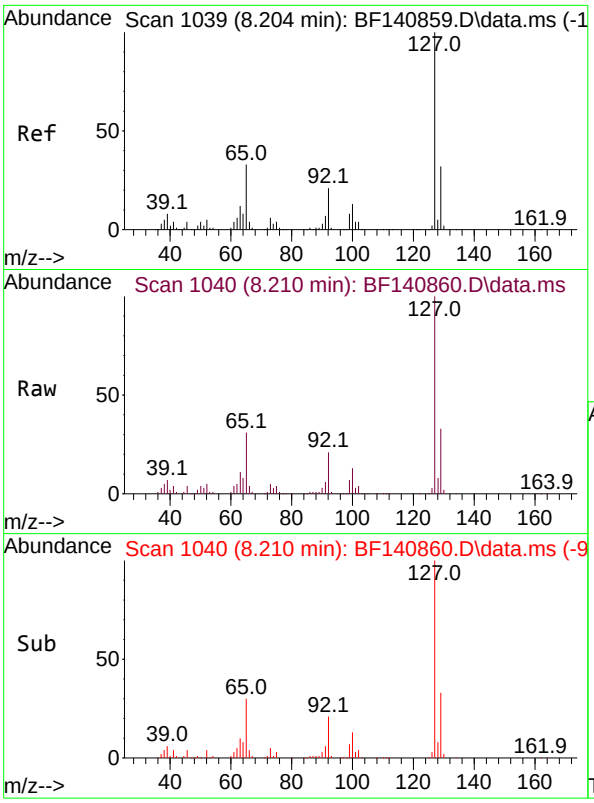




#32
Benzoic acid
Concen: 52.746 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:122 Resp: 157548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.3 | 108.3 | 148.3 |
| 77 | 99.7 | 78.8 | 118.8 |



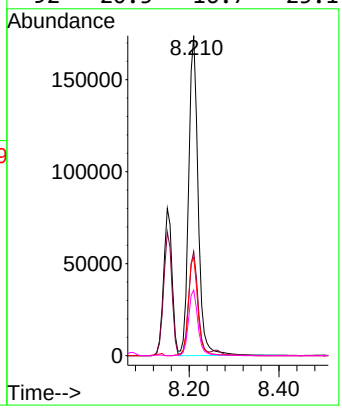


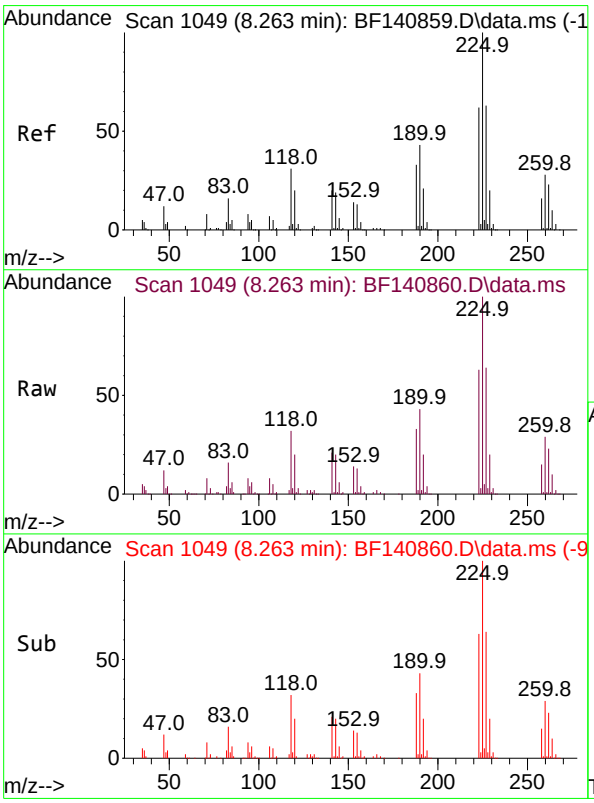

#33
4-Chloroaniline
Concen: 49.011 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 255688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.0 | 39.0 |
| 65 | 30.8 | 26.0 | 39.0 |
| 92 | 20.5 | 16.7 | 25.1 |

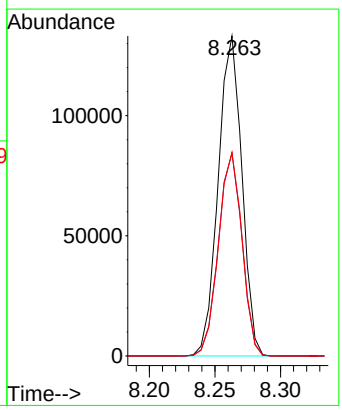


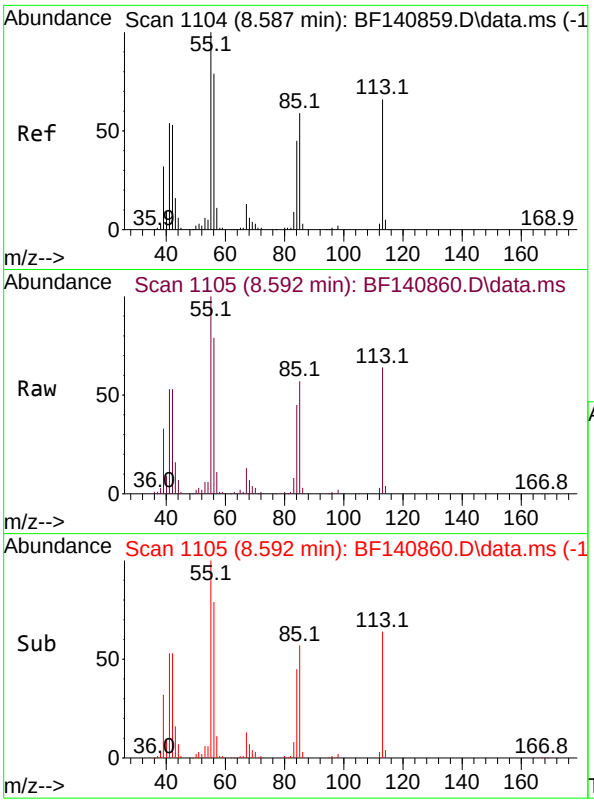




#34
Hexachlorobutadiene
Concen: 49.763 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:225 Resp: 166884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.6 | 74.4 |
| 227 | 63.6 | 50.7 | 76.1 |



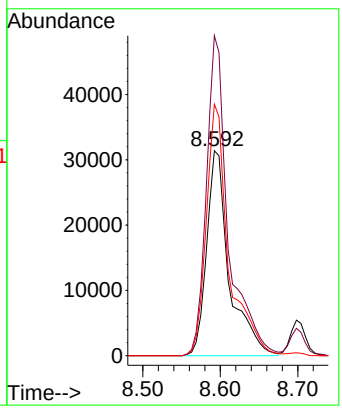


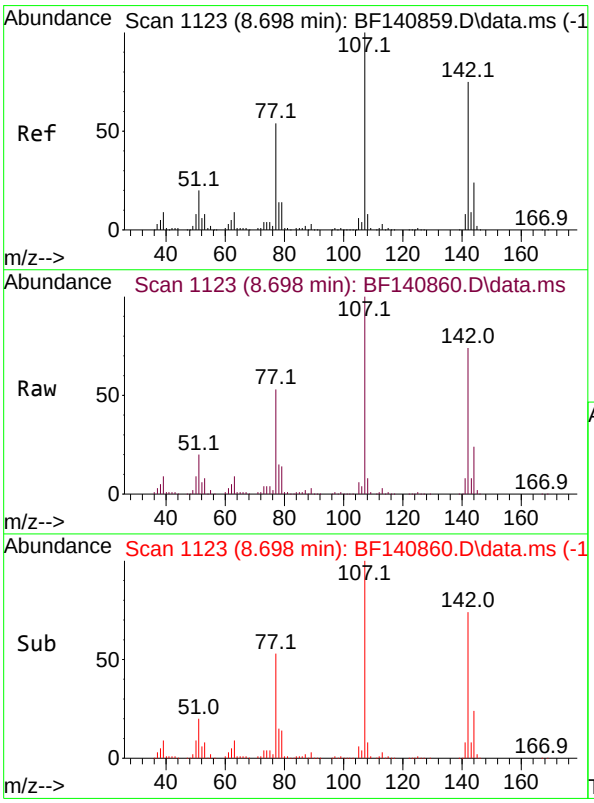

#35
Caprolactam
Concen: 49.156 ng
RT: 8.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 63631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 156.1 | 132.3 | 172.3 |
| 56 | 122.7 | 100.3 | 140.3 |

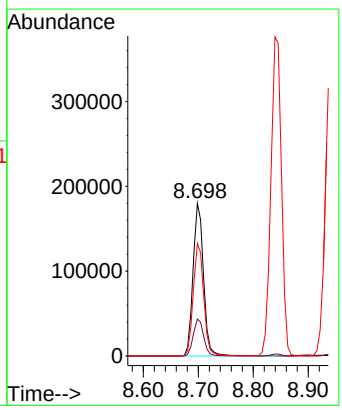


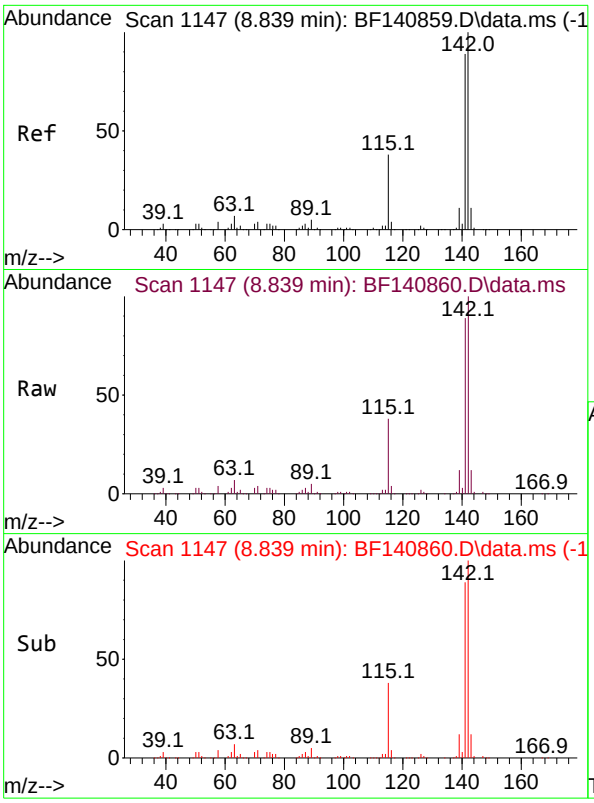




#36
4-Chloro-3-methylphenol
Concen: 48.512 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:107 Resp: 237414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 19.4 | 29.2 |
| 142 | 73.6 | 60.3 | 90.5 |



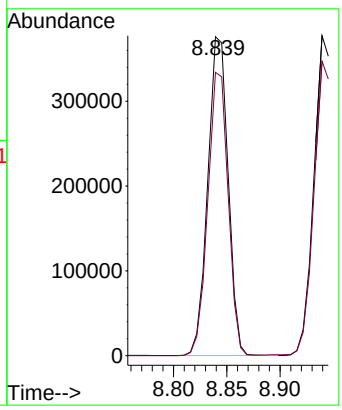


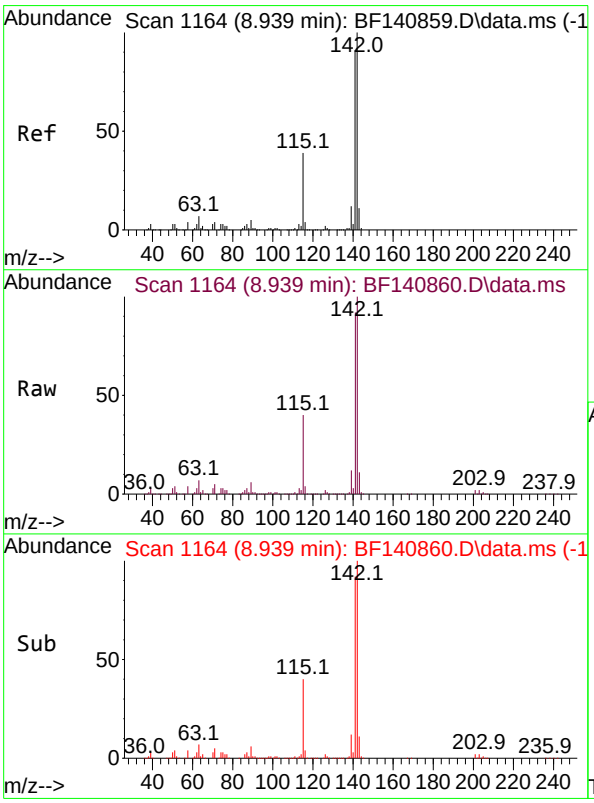

#37
2-Methylnaphthalene
Concen: 48.139 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 500202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 71.0 | 106.6 |

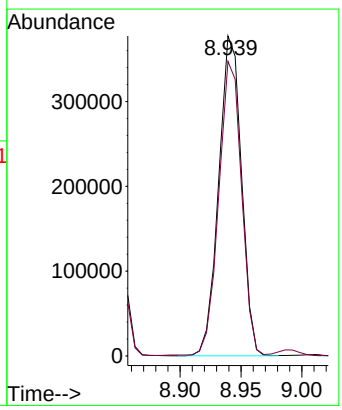


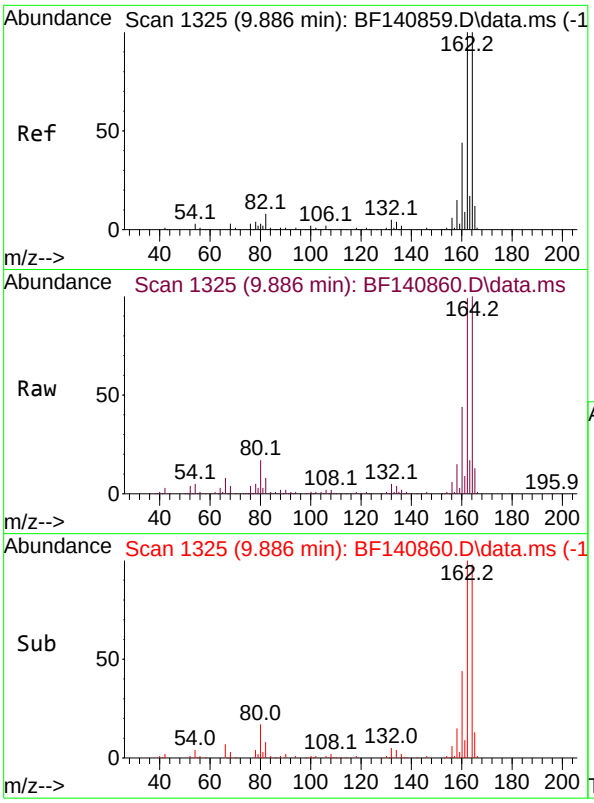




#38
1-Methylnaphthalene
Concen: 47.724 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:142 Resp: 490420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.4 | 110.0 |



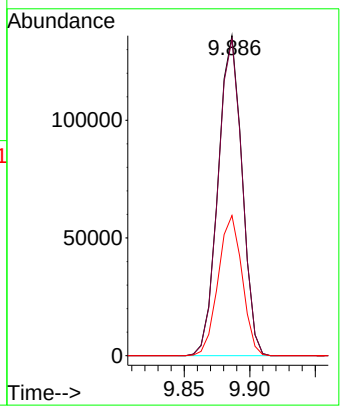


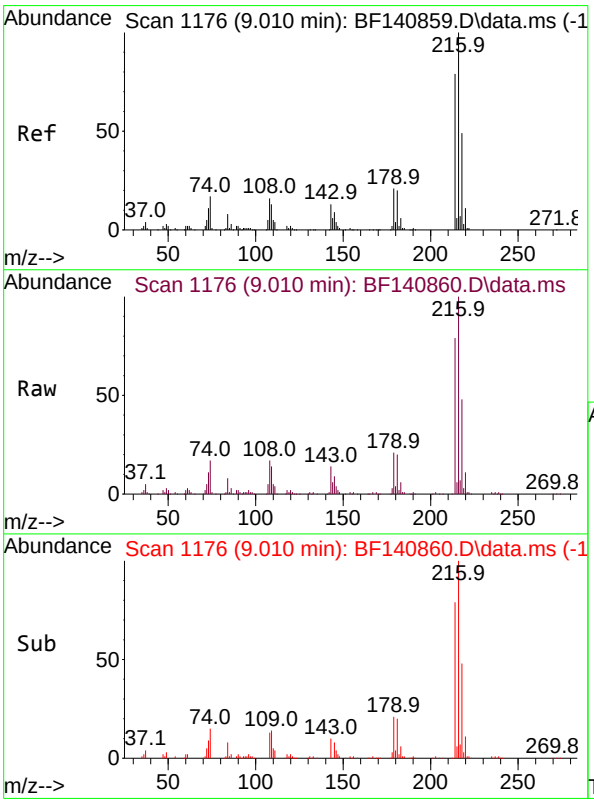

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 172713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.9 | 79.9 | 119.9 |
| 160 | 43.8 | 35.2 | 52.8 |

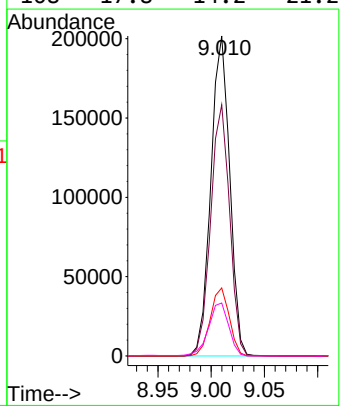


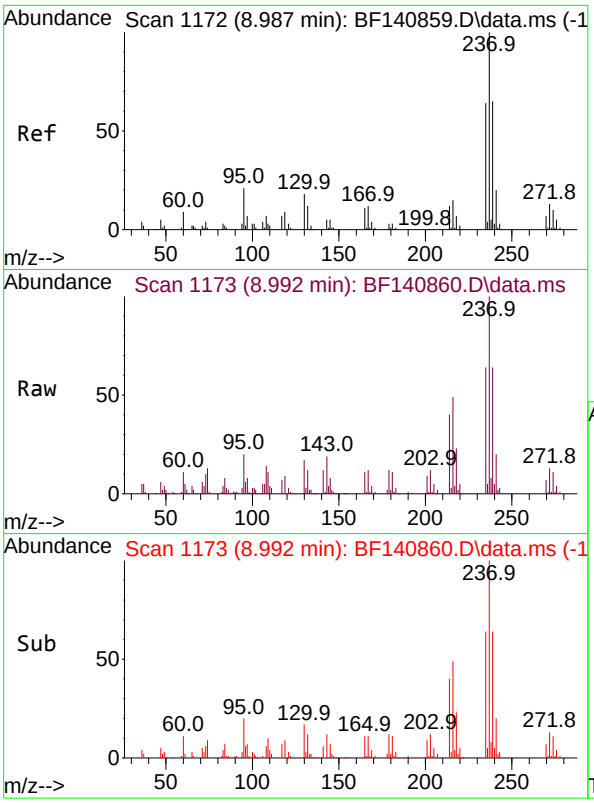




#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.837 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:216 Resp: 248636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 63.6 | 95.4 |
| 179 | 21.4 | 17.0 | 25.4 |
| 108 | 17.8 | 14.2 | 21.2 |



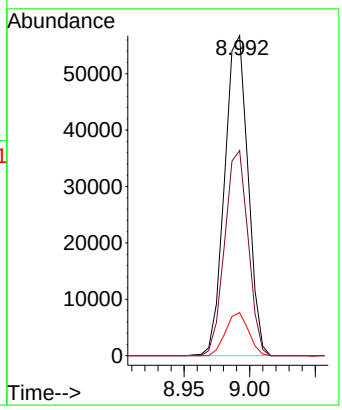


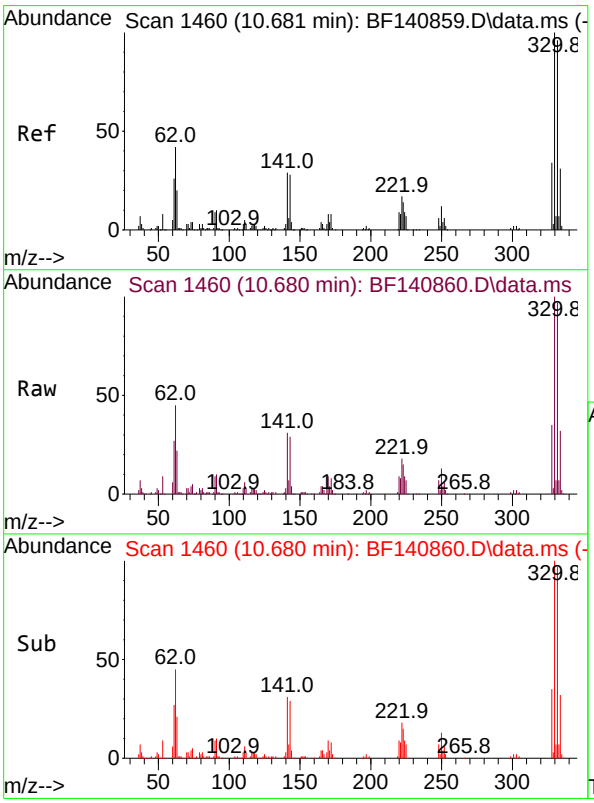

#41
Hexachlorocyclopentadiene
Concen: 50.029 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 70543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.1 | 43.7 | 83.7 |
| 272 | 13.5 | 0.0 | 32.9 |

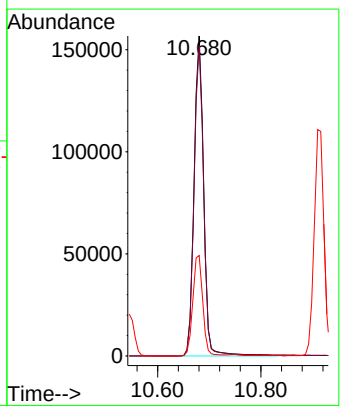


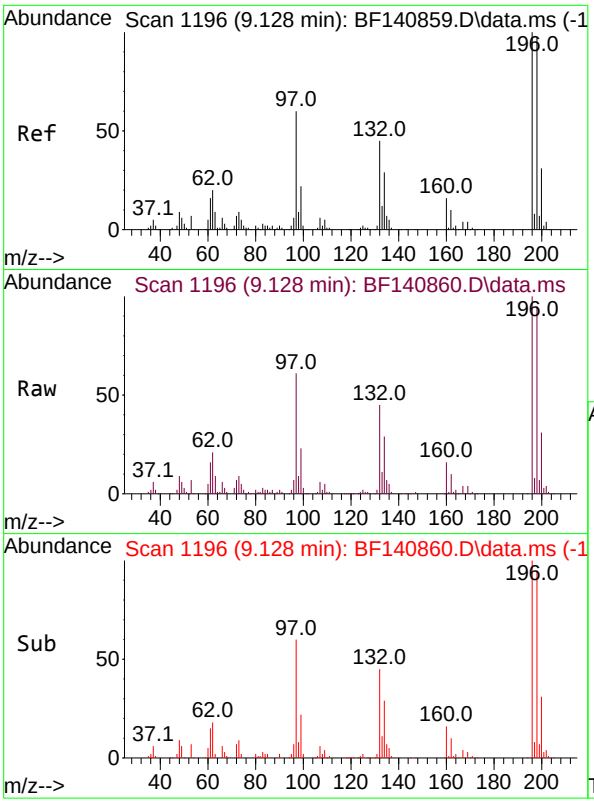




#42
2,4,6-Tribromophenol
Concen: 99.228 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:330 Resp: 202693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.2 | 114.4 |
| 141 | 32.4 | 24.9 | 37.3 |



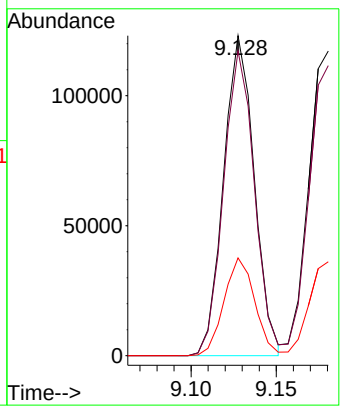


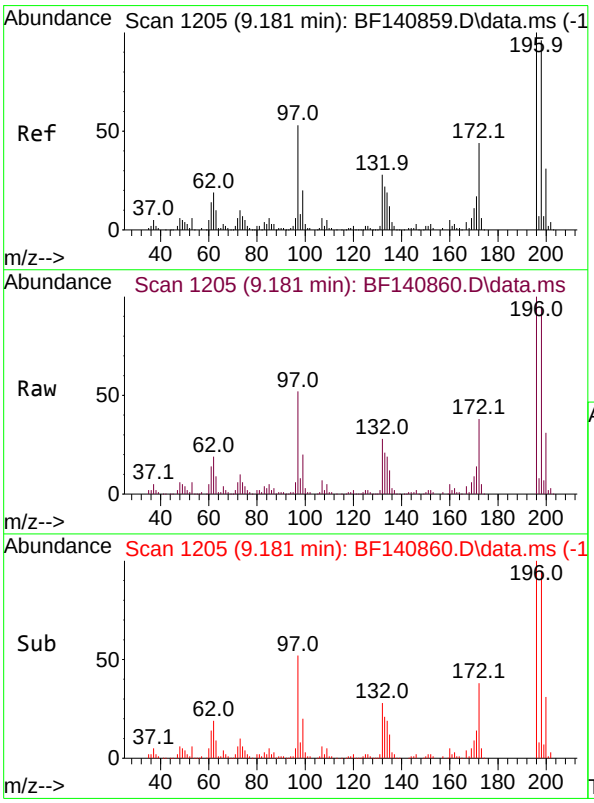

#43
2,4,6-Trichlorophenol
Concen: 47.487 ng
RT: 9.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 154361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 77.4 | 116.0 |
| 200 | 30.5 | 24.5 | 36.7 |

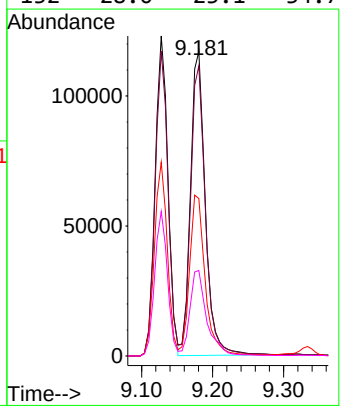


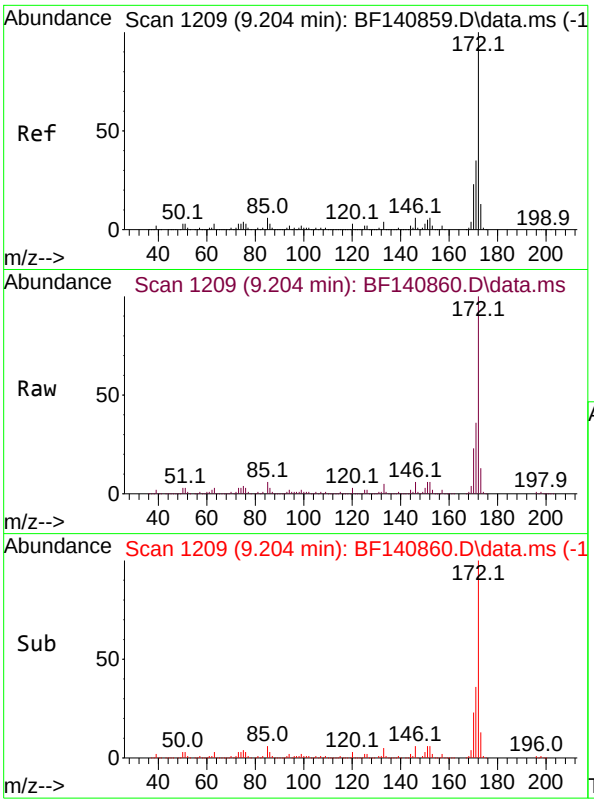




#44
2,4,5-Trichlorophenol
Concen: 47.697 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:196 Resp: 170411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 51.7 | 42.2 | 63.4 |
| 132 | 28.0 | 23.1 | 34.7 |



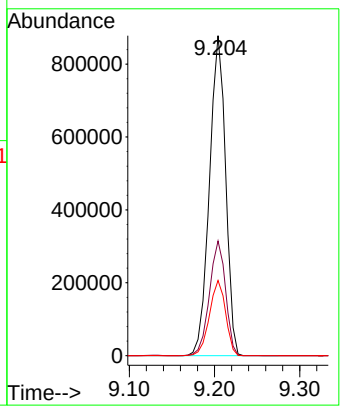


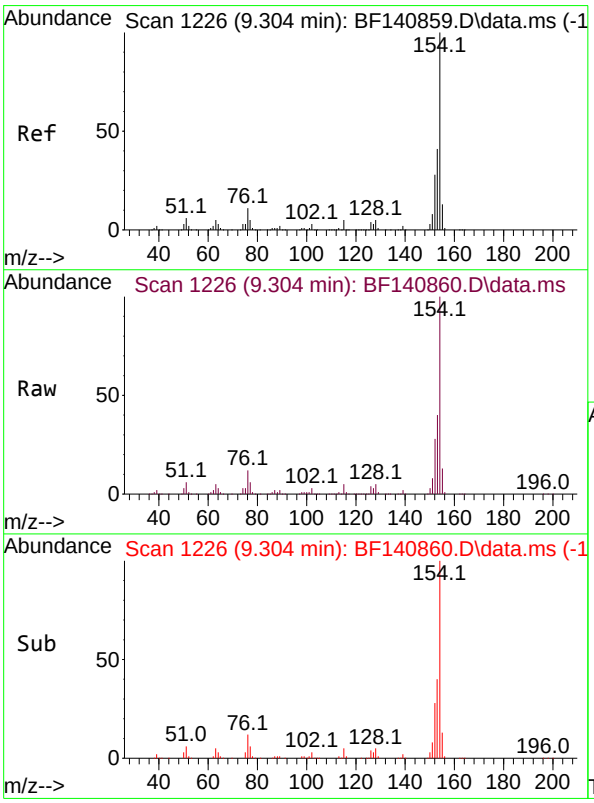

#45
2-Fluorobiphenyl
Concen: 92.444 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 1161315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.4 | 42.6 |
| 170 | 23.5 | 18.6 | 28.0 |

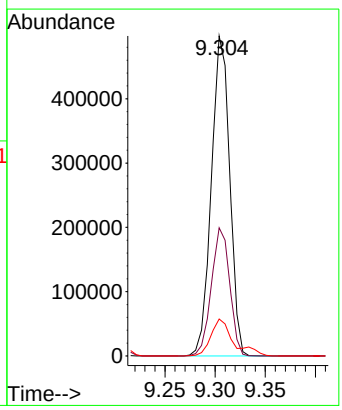


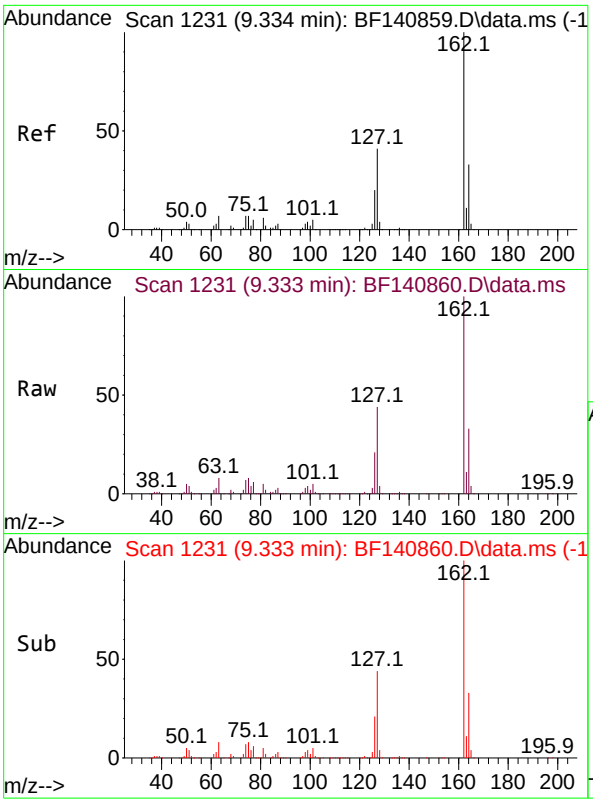




#46
1,1'-Biphenyl
Concen: 46.001 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:154 Resp: 631768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.8 | 60.8 |
| 76 | 11.5 | 0.0 | 31.0 |



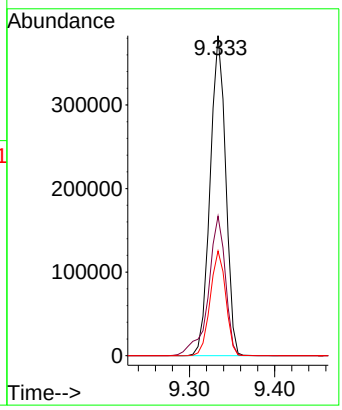


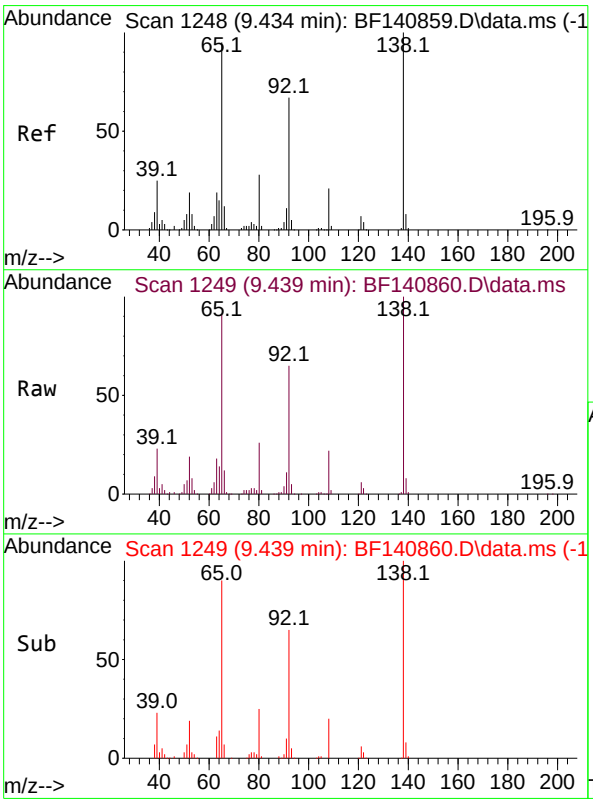

#47
2-Chloronaphthalene
Concen: 46.194 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 485339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 33.5 | 50.3 |
| 164 | 32.7 | 26.2 | 39.2 |

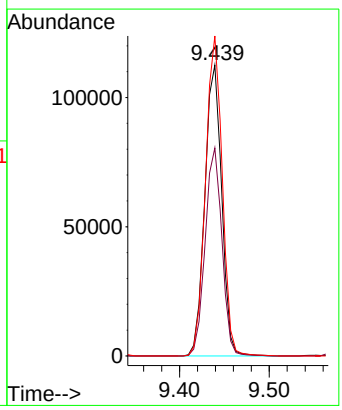


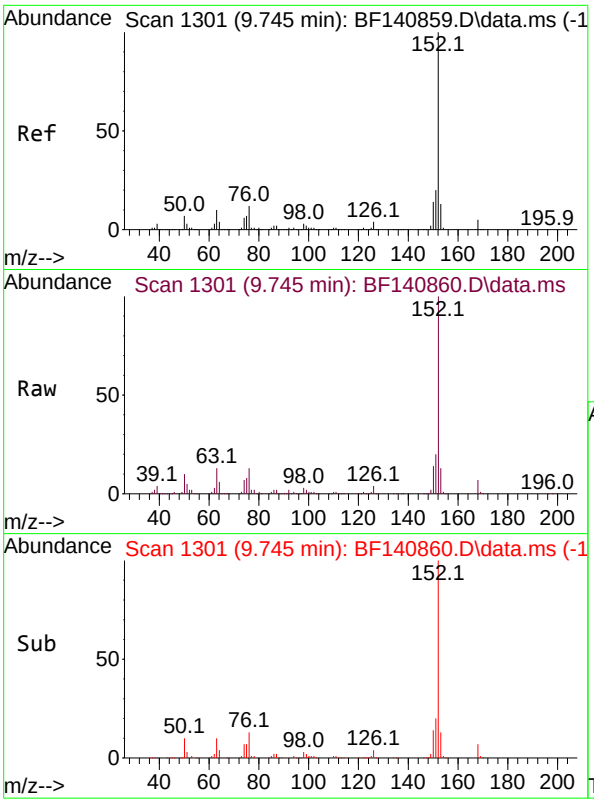




#48
2-Nitroaniline
Concen: 46.359 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 65 Resp: 147104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 56.3 | 84.5 |
| 138 | 110.0 | 83.8 | 125.6 |



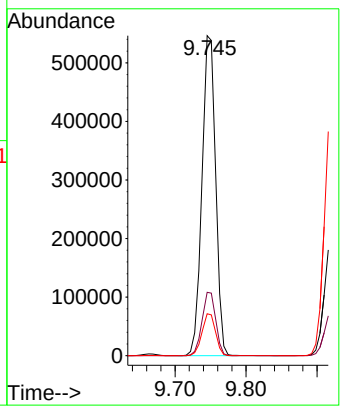


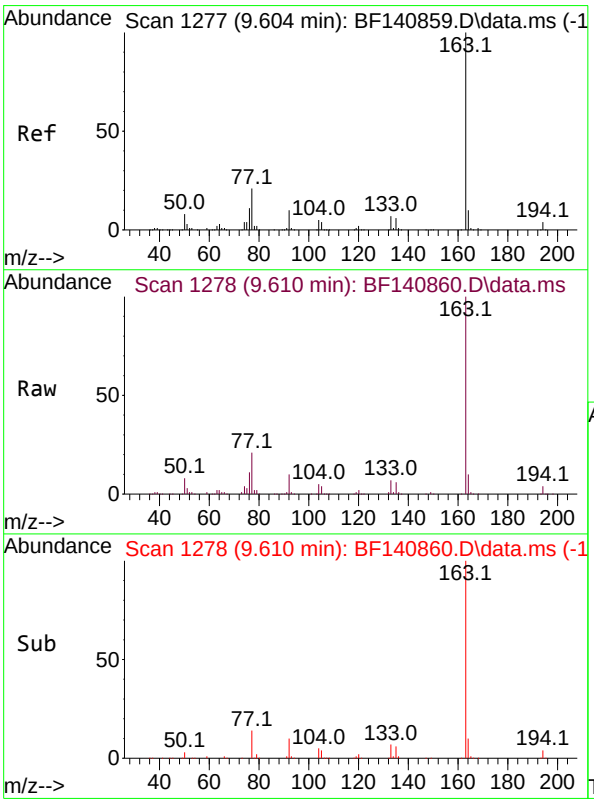

#49
Acenaphthylene
Concen: 47.437 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 732431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 16.0 |

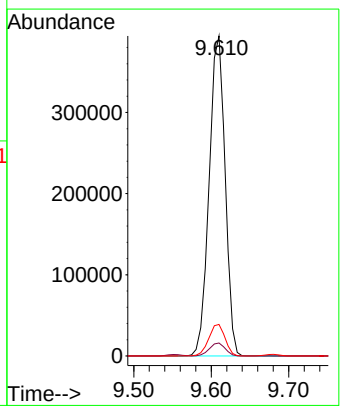


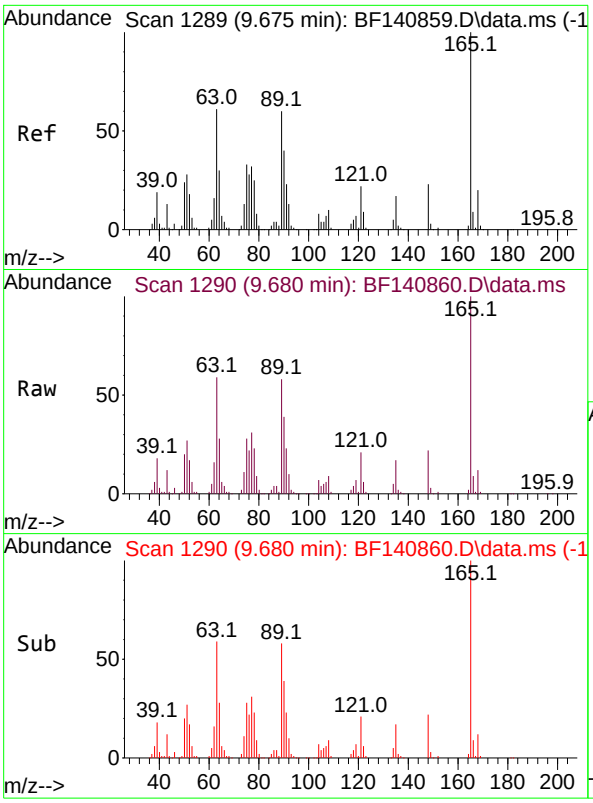




#50
Dimethylphthalate
Concen: 46.392 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:163 Resp: 564903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 9.9 | 8.1 | 12.1 |



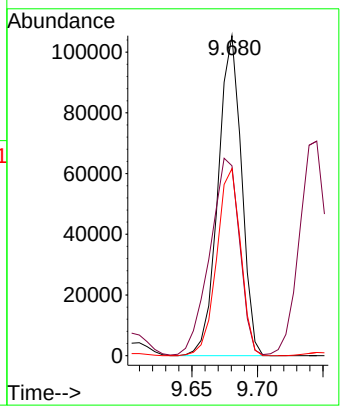


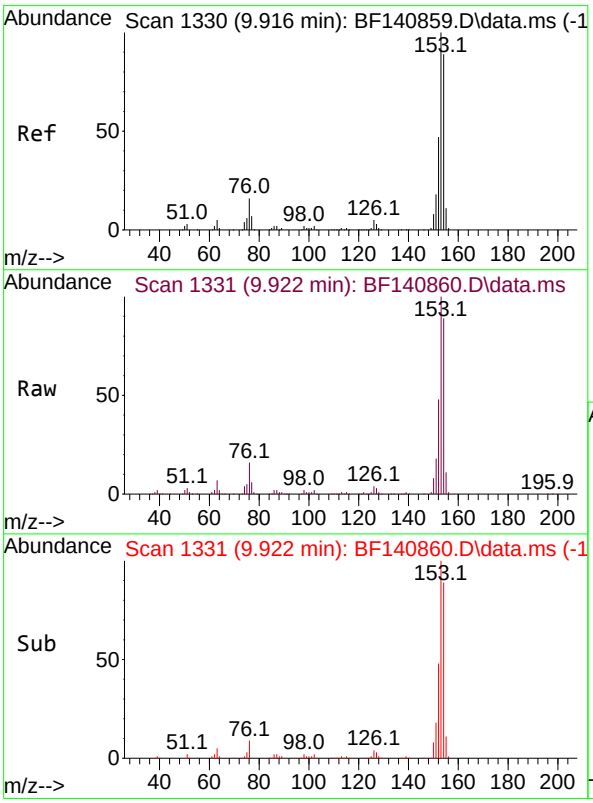

#51
2,6-Dinitrotoluene
Concen: 47.039 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 130941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.4 | 49.7 | 74.5 |
| 89 | 58.5 | 48.2 | 72.4 |

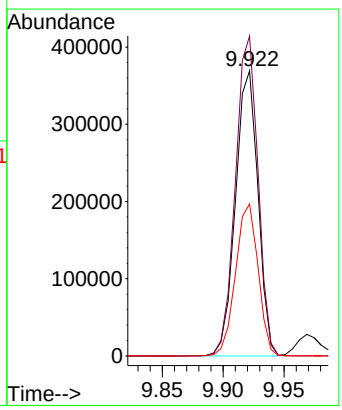


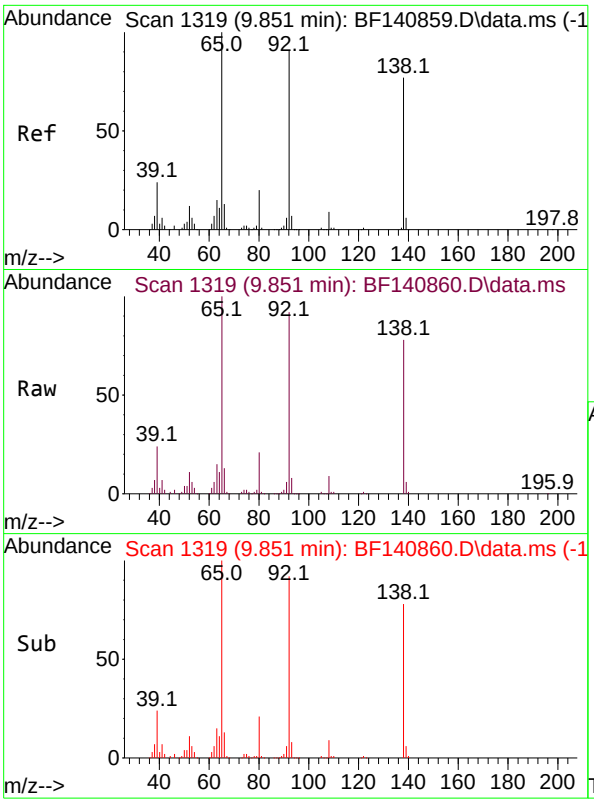




#52
Acenaphthene
Concen: 48.175 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:154 Resp: 475150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 89.9 | 134.9 |
| 152 | 53.3 | 42.6 | 63.8 |



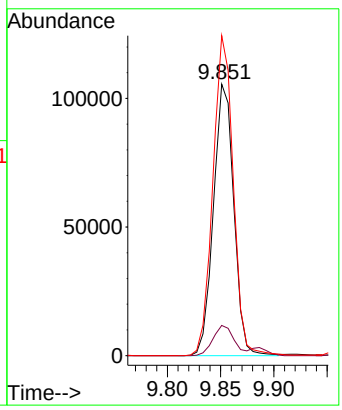


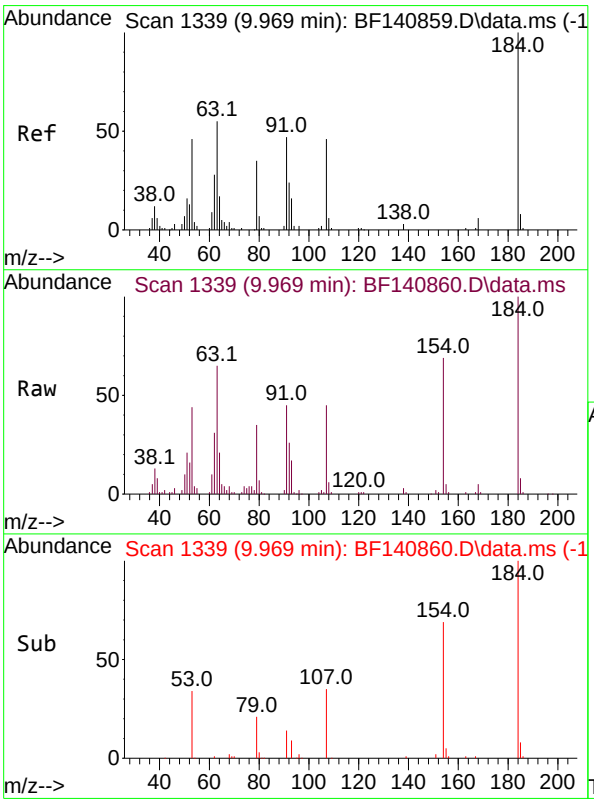

#53
3-Nitroaniline
Concen: 50.732 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 140148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 117.8 | 95.5 | 143.3 |

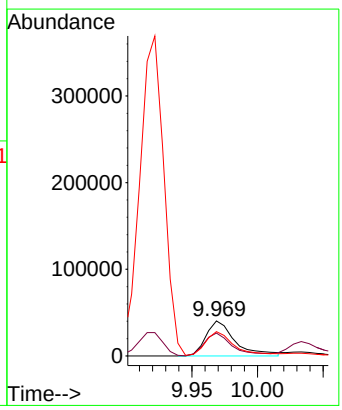


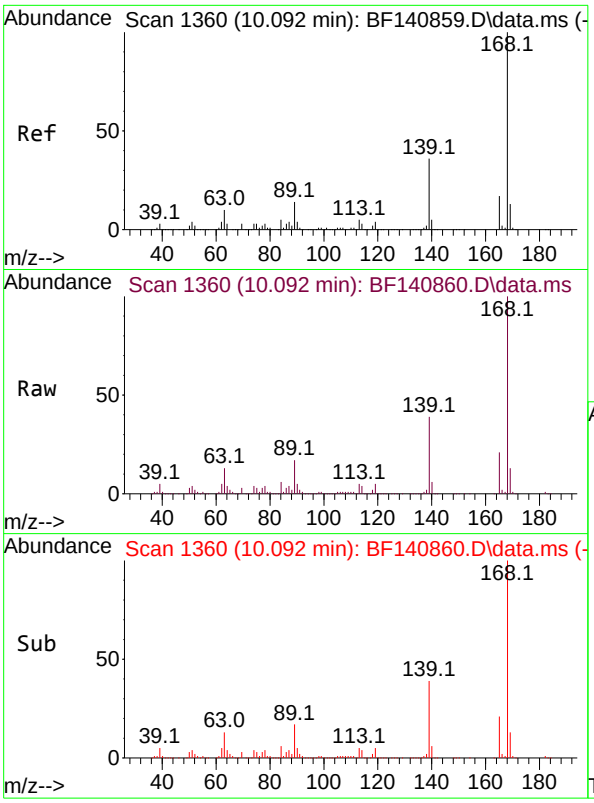




#54
2,4-Dinitrophenol
Concen: 48.955 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:184 Resp: 62738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.4 | 51.6 | 77.4 |
| 154 | 69.1 | 56.1 | 84.1 |



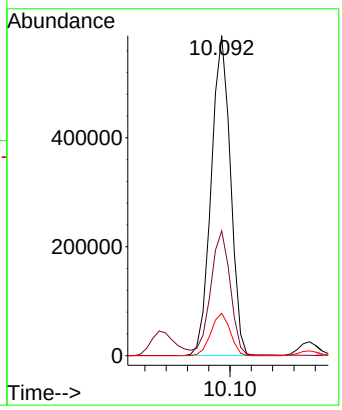


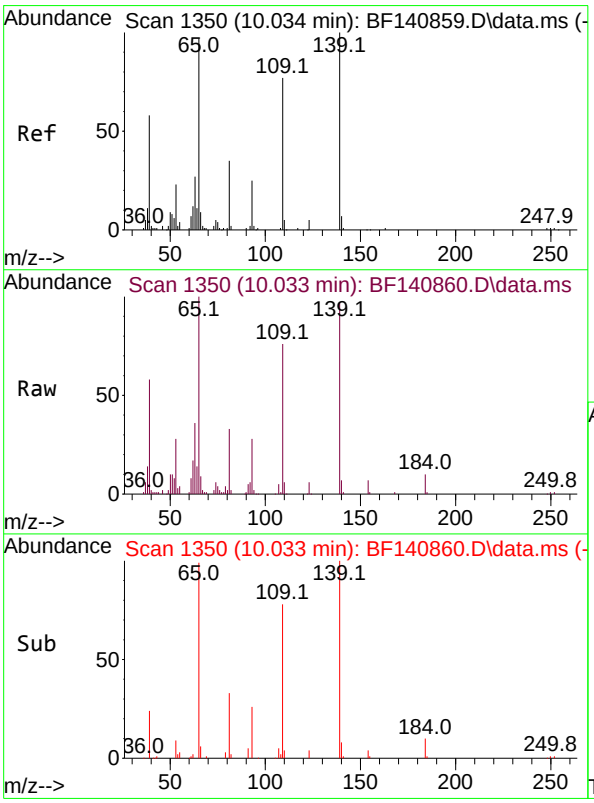

#55
Dibenzofuran
Concen: 48.174 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 736252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.0 | 31.1 | 46.7 |
| 169 | 13.2 | 10.6 | 16.0 |

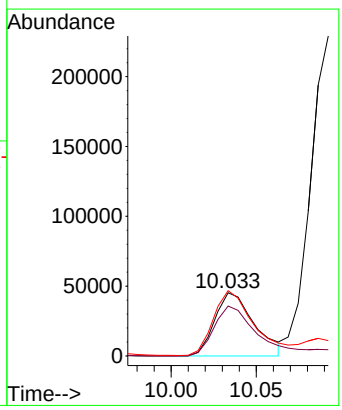


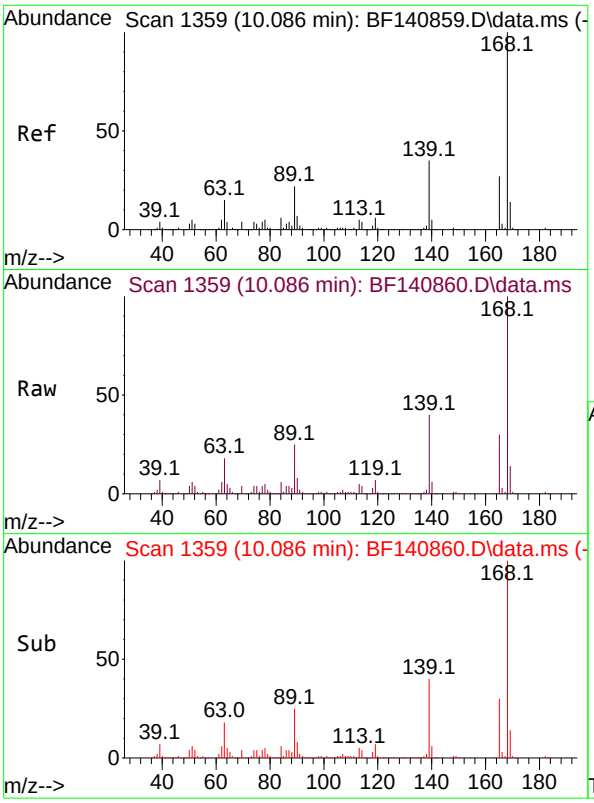




#56
4-Nitrophenol
Concen: 50.818 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:139 Resp: 72965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.9 | 56.7 | 96.7 |
| 65 | 103.3 | 78.1 | 118.1 |



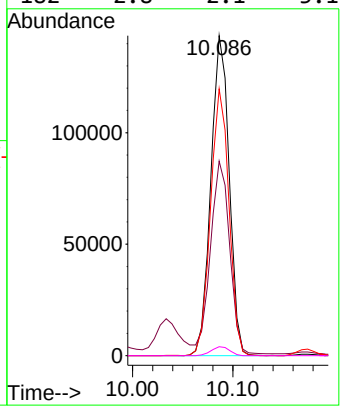


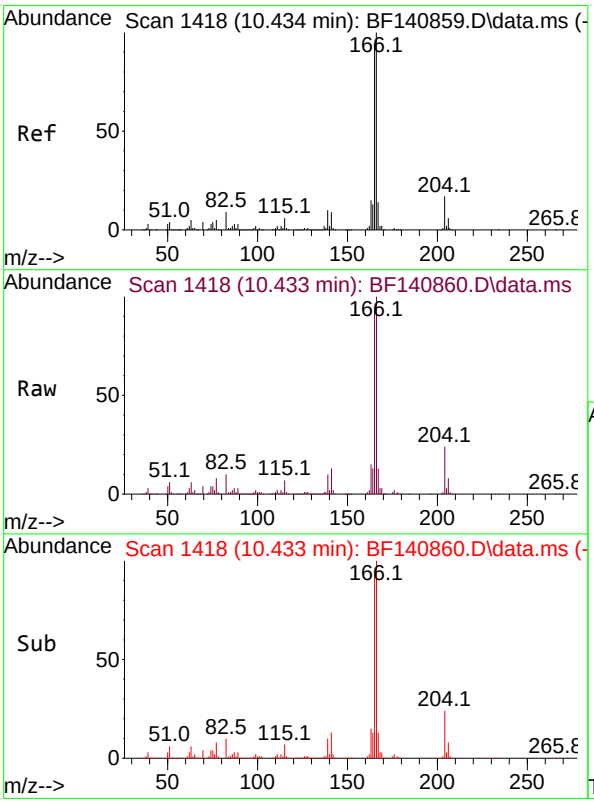

#57
2,4-Dinitrotoluene
Concen: 49.679 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 181952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.8 | 49.3 | 73.9 |
| 89 | 83.4 | 66.2 | 99.4 |
| 182 | 2.8 | 2.1 | 3.1 |

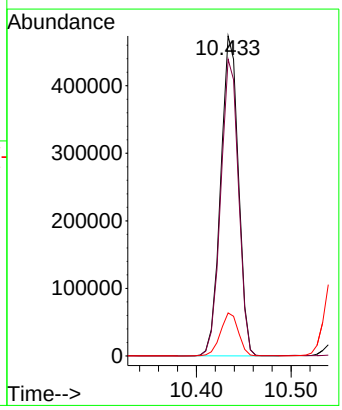


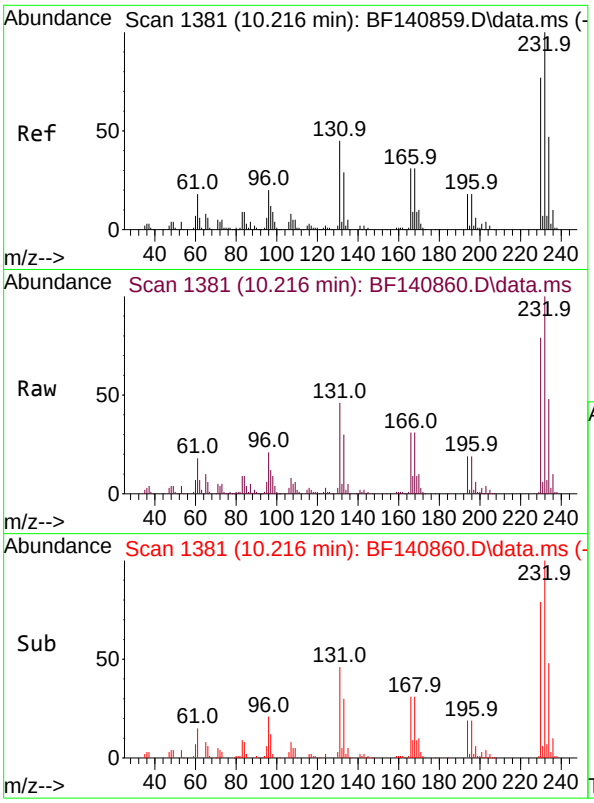




#58
Fluorene
Concen: 48.940 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:166 Resp: 617054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.7 | 75.1 | 112.7 |
| 167 | 13.4 | 11.1 | 16.7 |



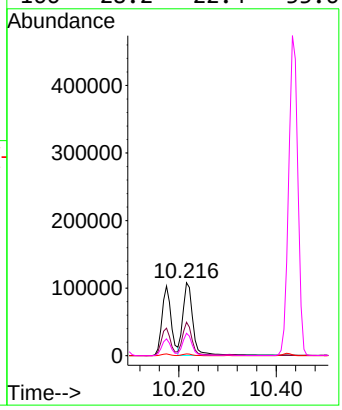


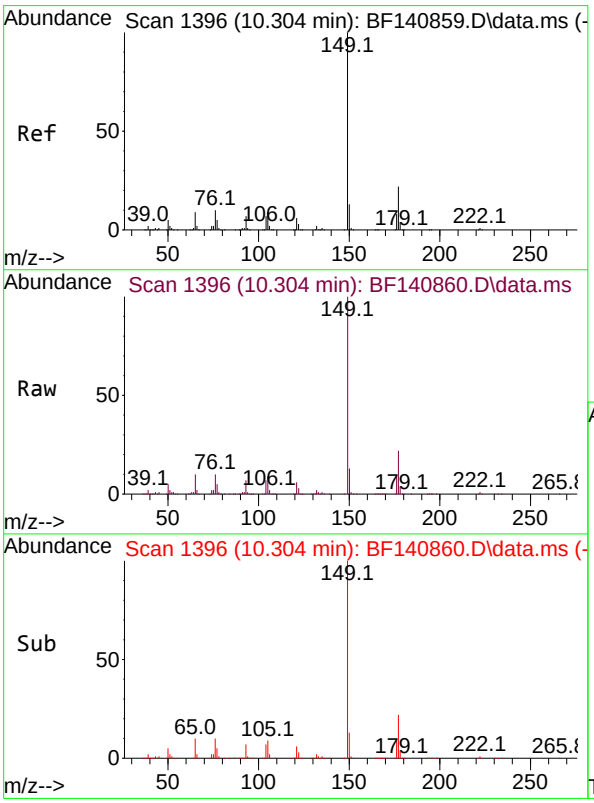

#59
2,3,4,6-Tetrachlorophenol
Concen: 52.784 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 153671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.3 | 35.1 | 52.7 |
| 130 | 2.4 | 1.8 | 2.8 |
| 166 | 28.2 | 22.4 | 33.6 |

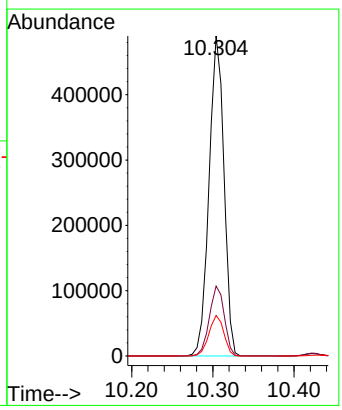


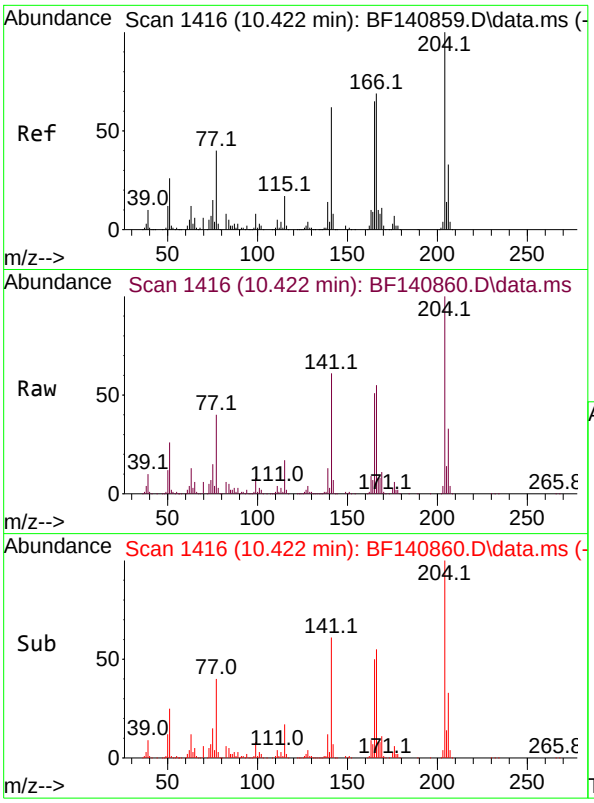




#60
Diethylphthalate
Concen: 49.463 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 624564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.9 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |



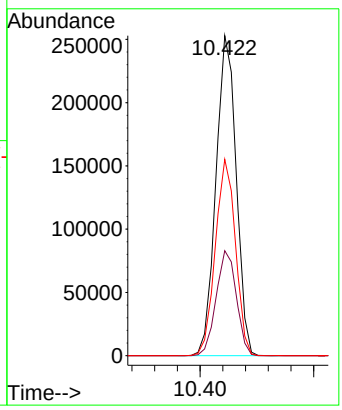


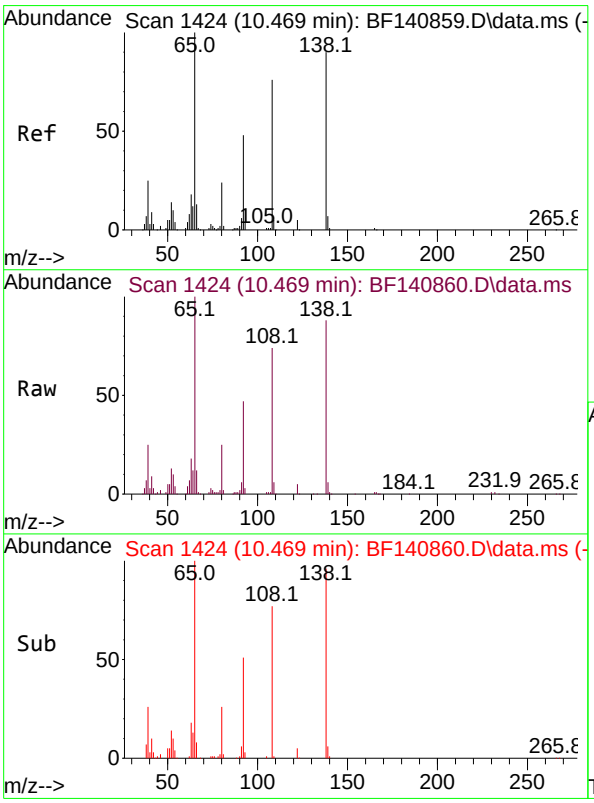

#61
4-Chlorophenyl-phenylether
Concen: 49.574 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 313978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.5 | 39.7 |
| 141 | 61.3 | 50.0 | 75.0 |

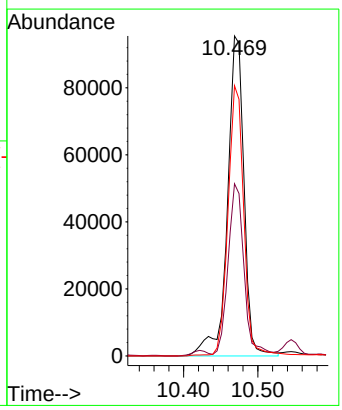


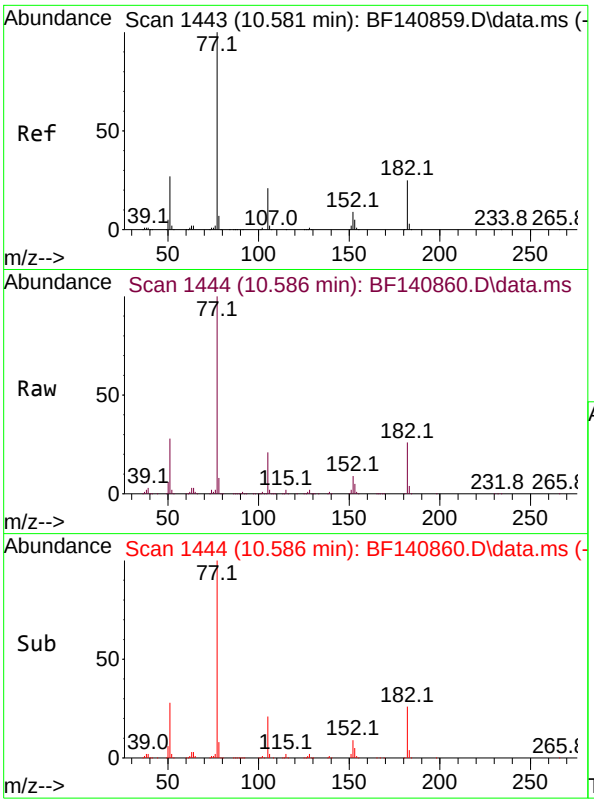




#62
4-Nitroaniline
Concen: 51.356 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:138 Resp: 148255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.8 | 32.6 | 72.6 |
| 108 | 84.4 | 64.1 | 104.1 |



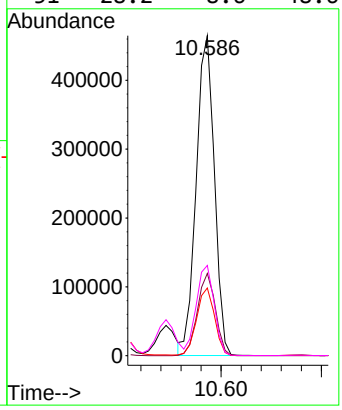


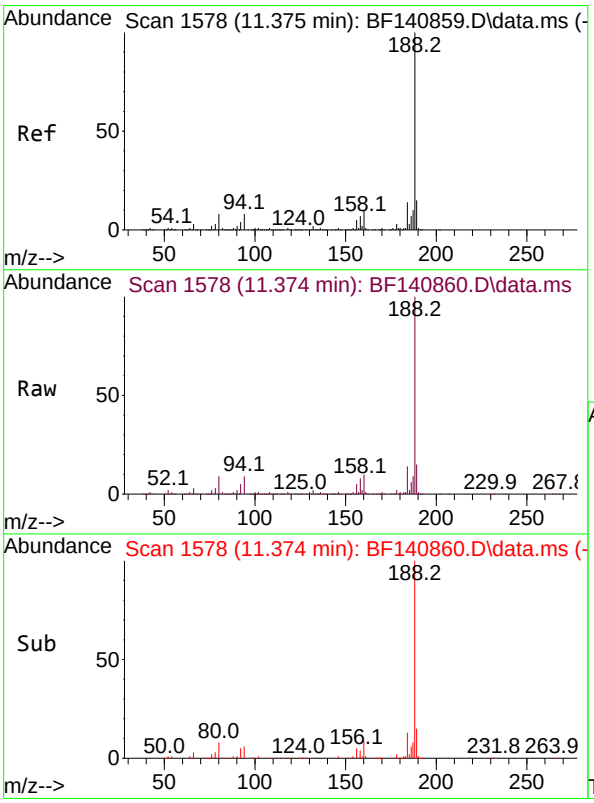

#63
Azobenzene
Concen: 49.412 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 586556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 4.5 | 44.5 |
| 105 | 21.1 | 0.9 | 40.9 |
| 51 | 28.2 | 8.6 | 48.6 |

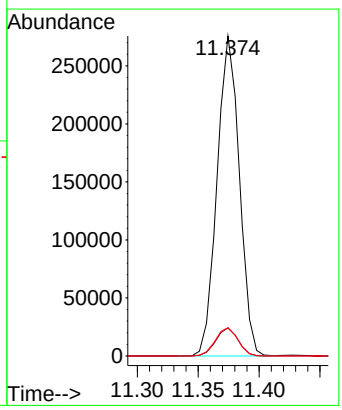


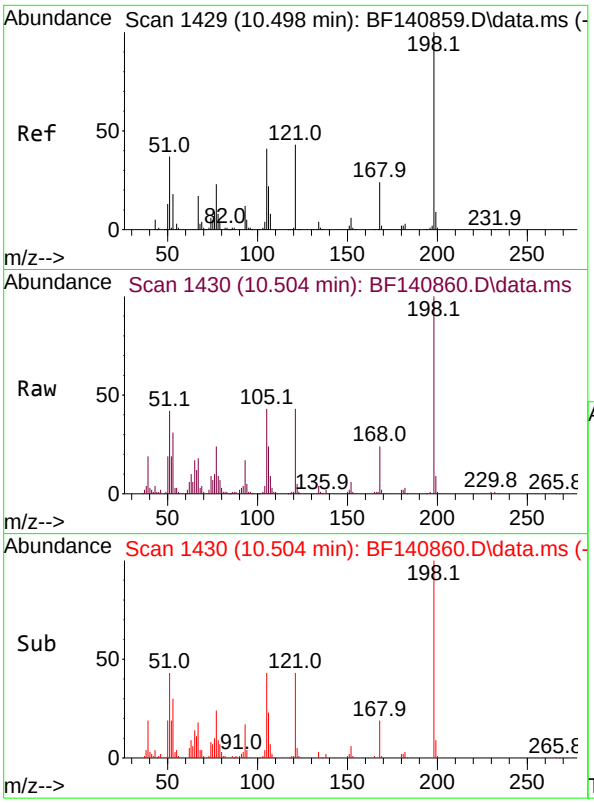




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:188 Resp: 351718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 6.4 | 9.6 |
| 80 | 8.9 | 6.8 | 10.2 |



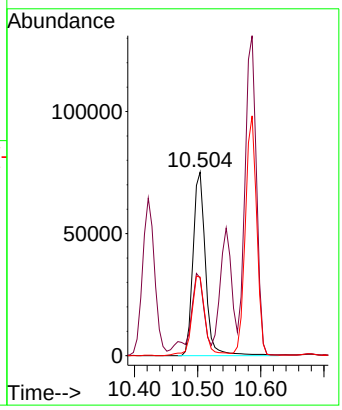


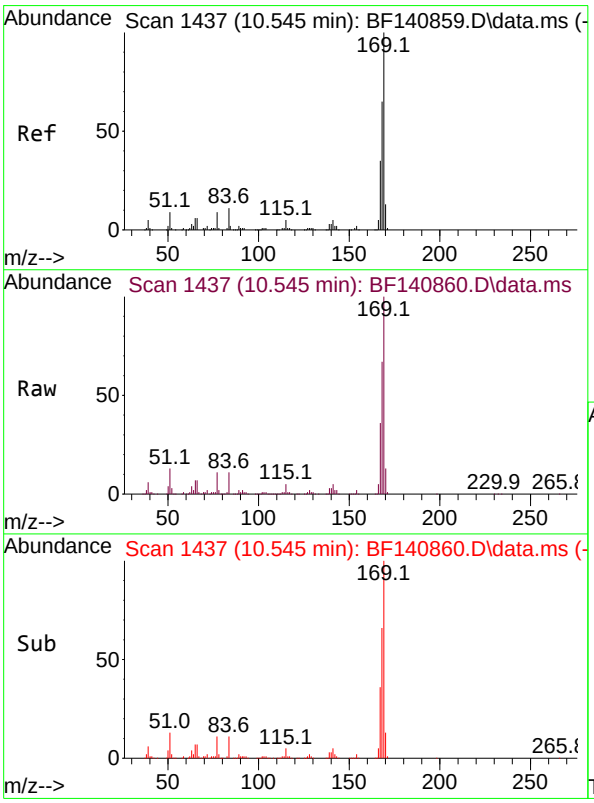

#65
4,6-Dinitro-2-methylphenol
Concen: 51.936 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 103510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.3 | 24.4 | 64.4 |
| 105 | 42.8 | 22.1 | 62.1 |

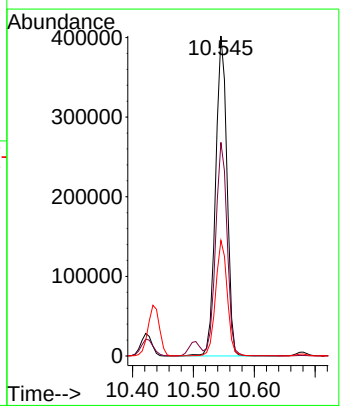


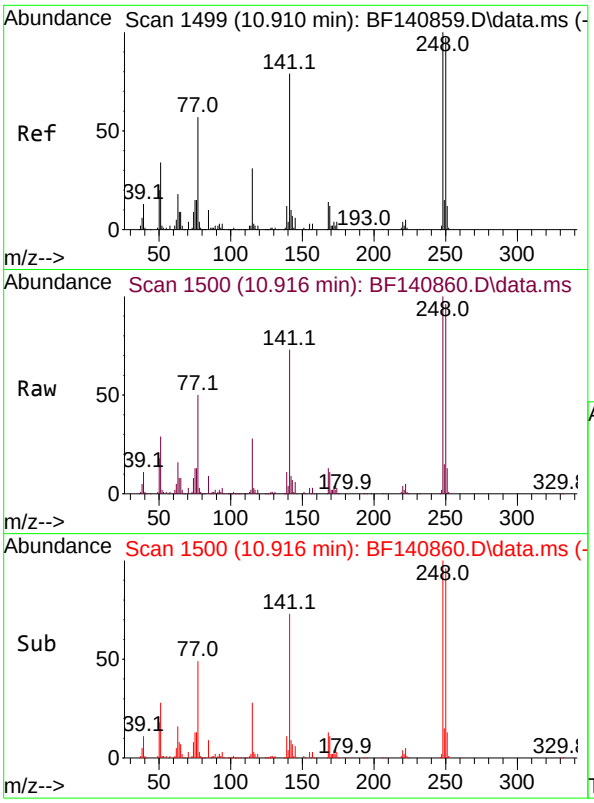




#66
n-Nitrosodiphenylamine
Concen: 48.132 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:169 Resp: 520491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.4 | 80.0 |
| 167 | 36.1 | 28.3 | 42.5 |



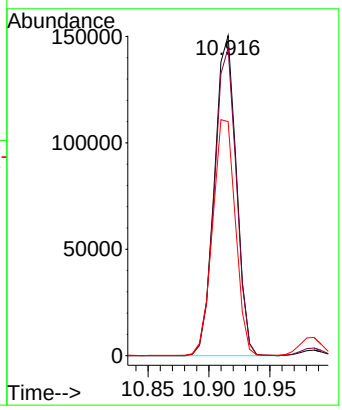


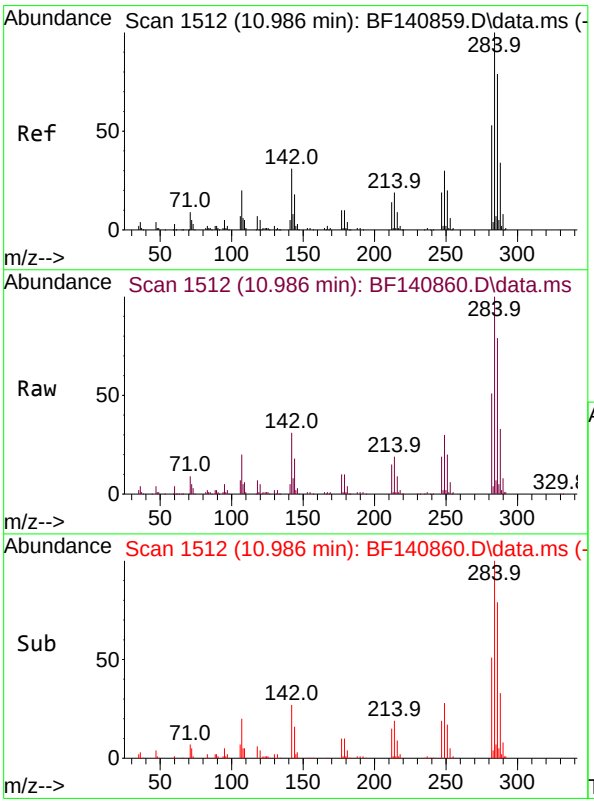

#67
4-Bromophenyl-phenylether
Concen: 47.888 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 188429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.1 | 77.4 | 116.2 |
| 141 | 73.1 | 62.9 | 94.3 |

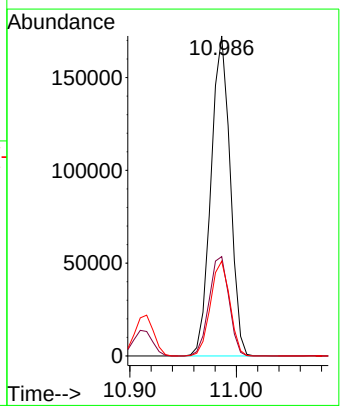


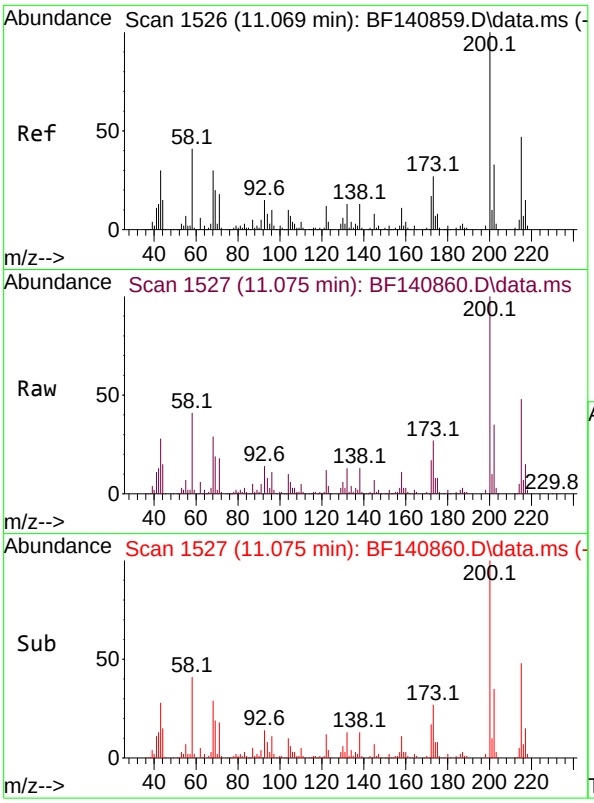




#68
Hexachlorobenzene
Concen: 48.252 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:284 Resp: 215259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.0 | 24.6 | 36.8 |
| 249 | 29.6 | 24.3 | 36.5 |



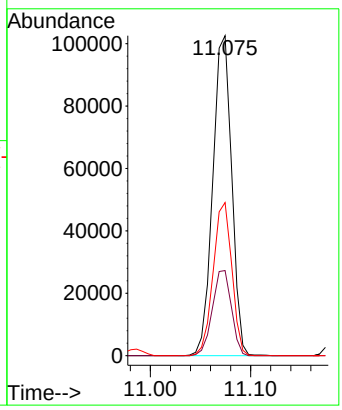


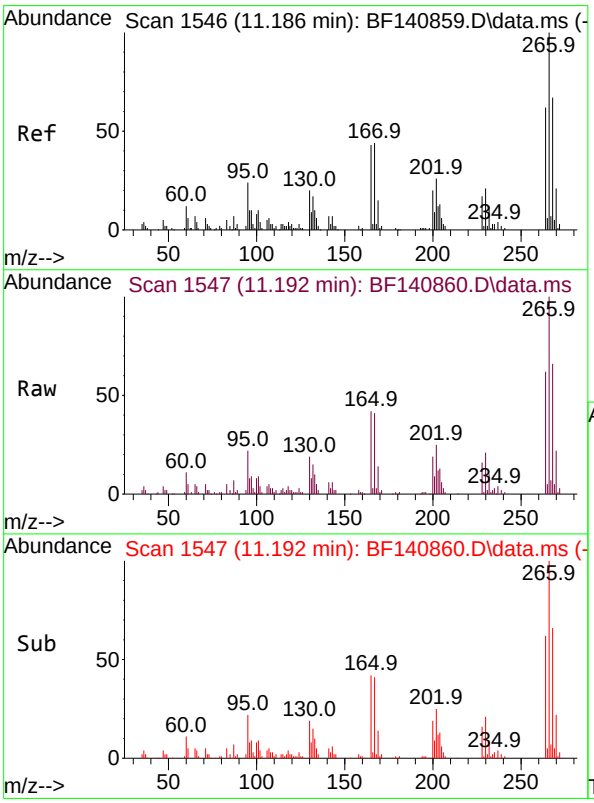

#69
Atrazine
Concen: 44.493 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 134376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 6.6 | 46.6 |
| 215 | 47.8 | 26.7 | 66.7 |

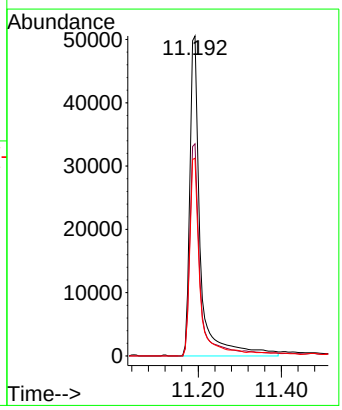


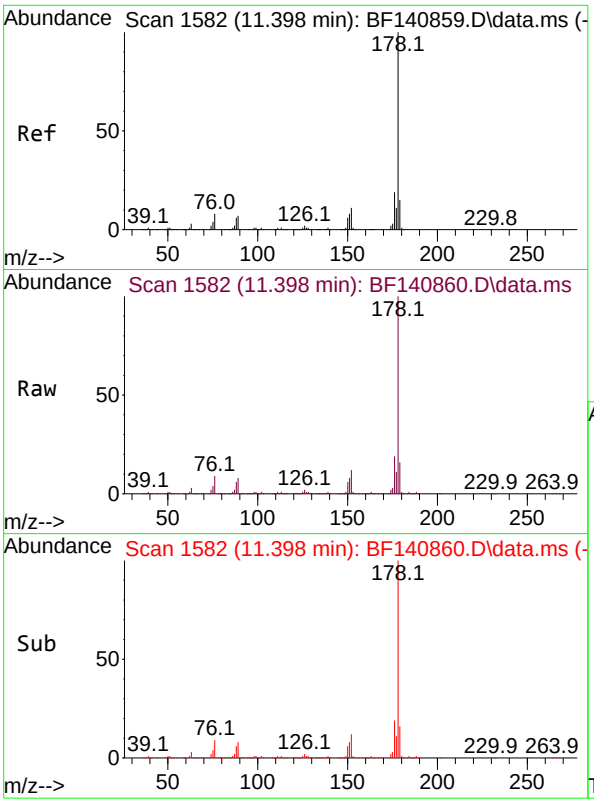




#70
Pentachlorophenol
Concen: 55.046 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:266 Resp: 89834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.3 | 54.0 | 81.0 |
| 264 | 61.8 | 49.4 | 74.2 |



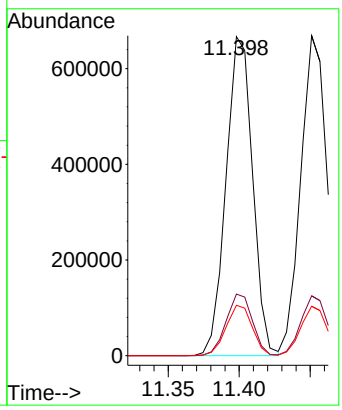


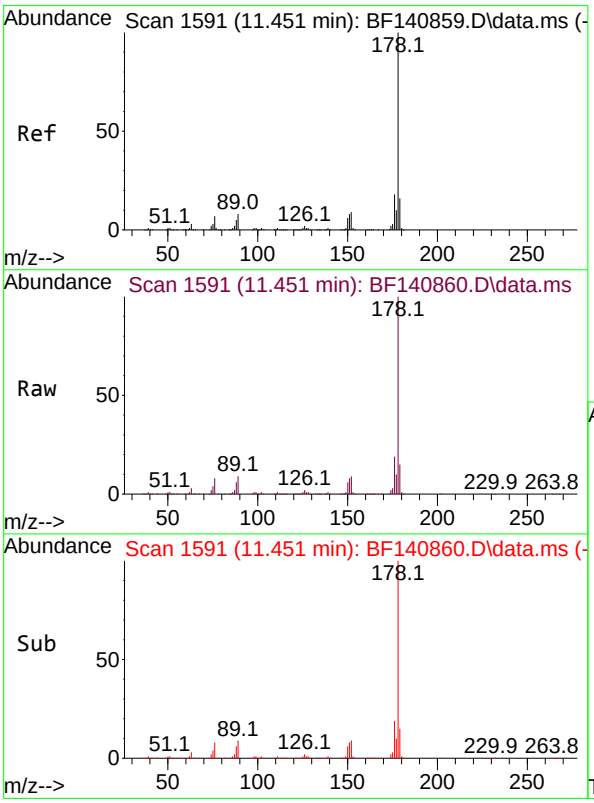

#71
Phenanthrene
Concen: 48.009 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 868333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.8 | 12.1 | 18.1 |

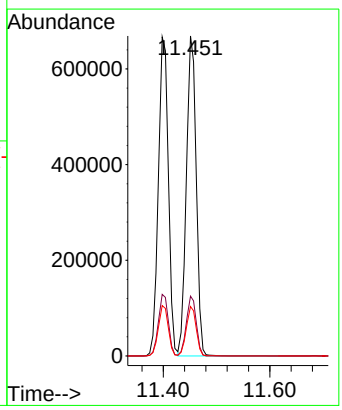


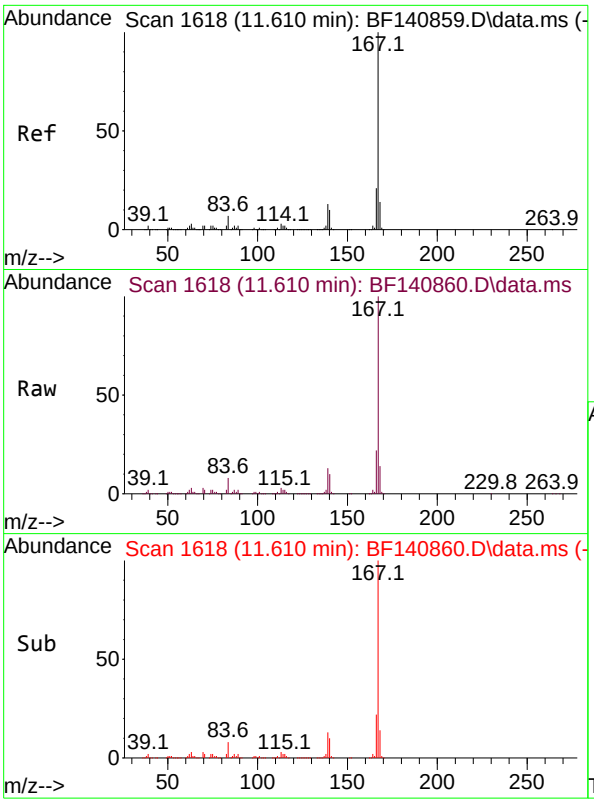




#72
Anthracene
Concen: 48.285 ng
RT: 11.451 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:178 Resp: 860045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.6 | 22.0 |
| 179 | 15.5 | 12.6 | 18.8 |



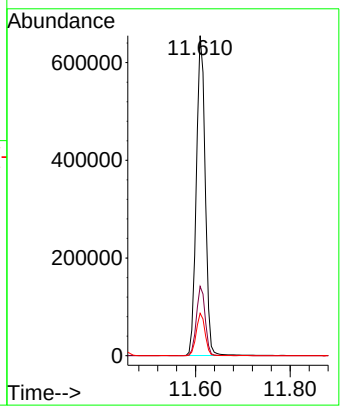


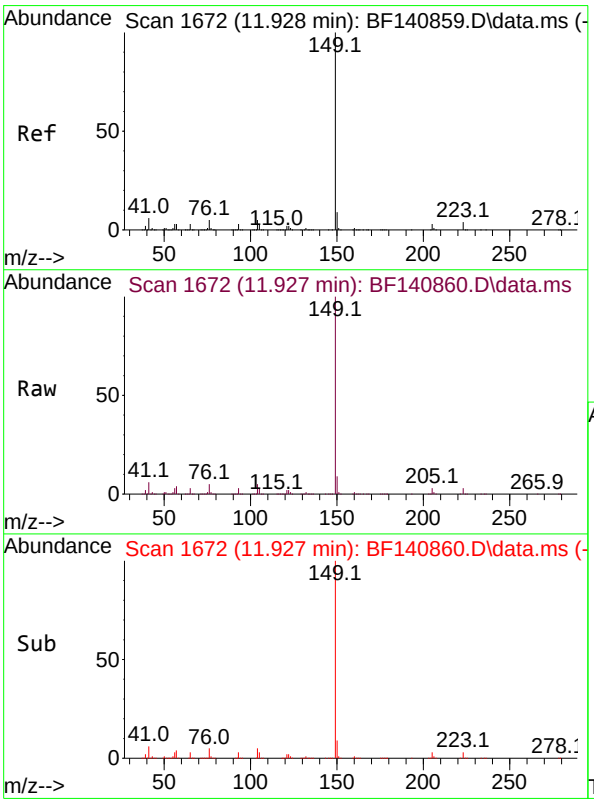

#73
Carbazole
Concen: 48.990 ng
RT: 11.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 854710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.0 | 25.6 |
| 139 | 13.3 | 10.2 | 15.2 |

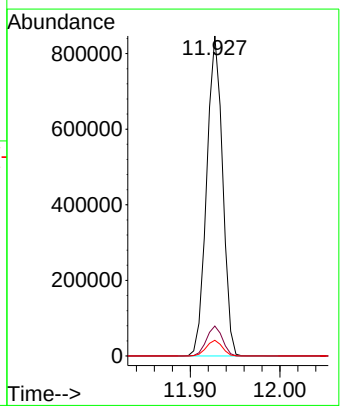


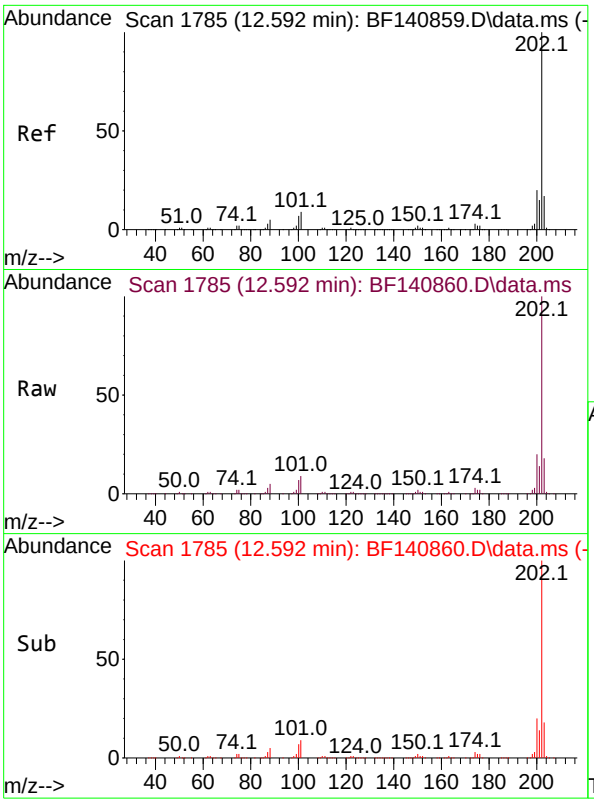




#74
Di-n-butylphthalate
Concen: 50.870 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 1041587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



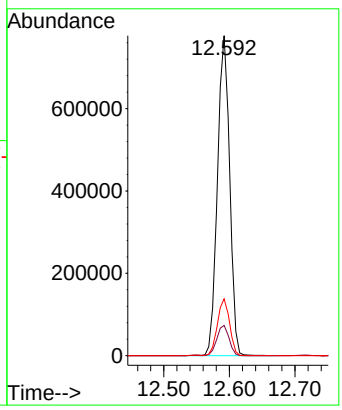


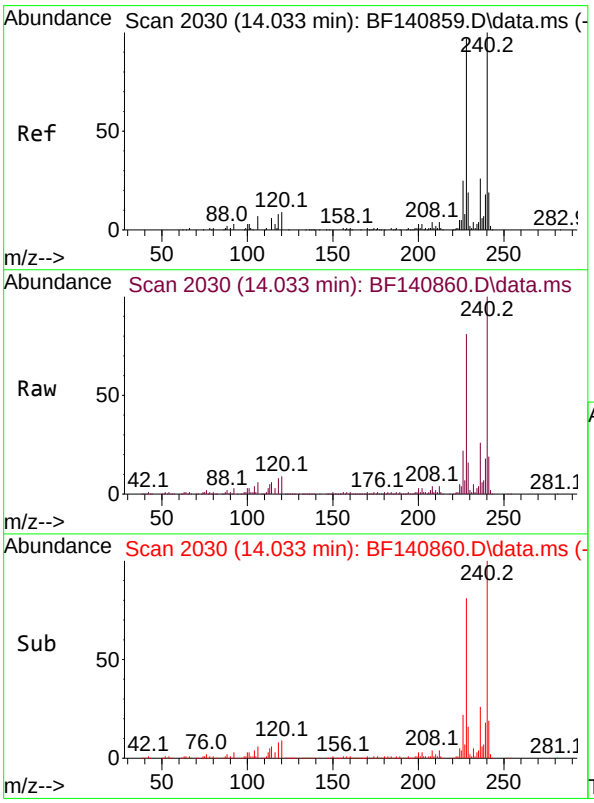

#75
Fluoranthene
Concen: 48.026 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 1000374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 29.3 |
| 203 | 17.8 | 0.0 | 37.4 |

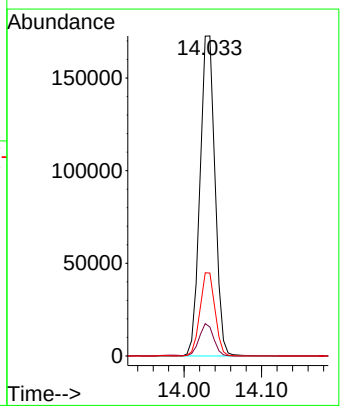


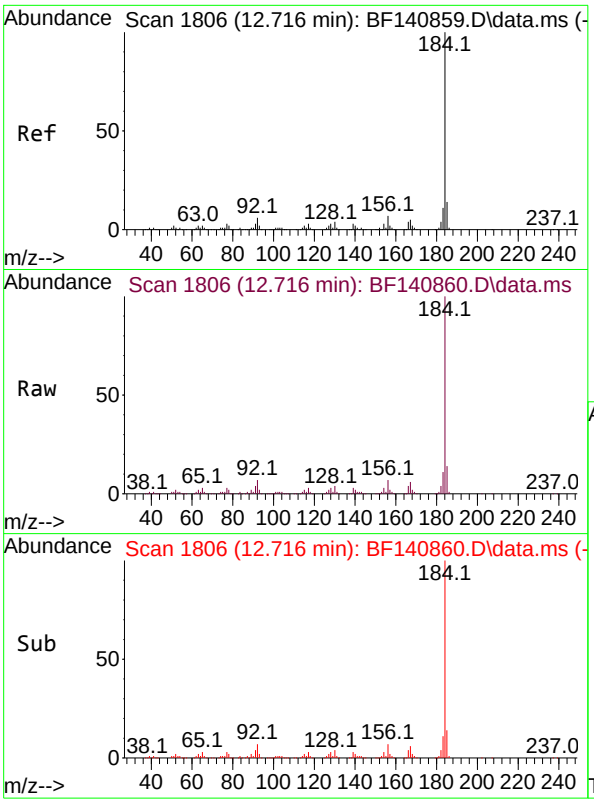




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:240 Resp: 231973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 7.6 | 11.4 |
| 236 | 25.9 | 20.5 | 30.7 |



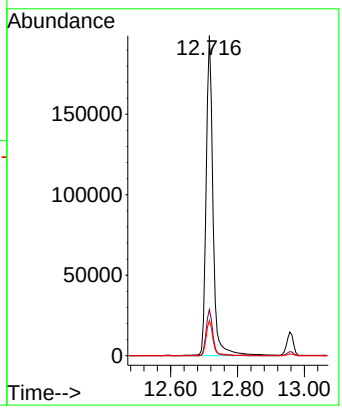


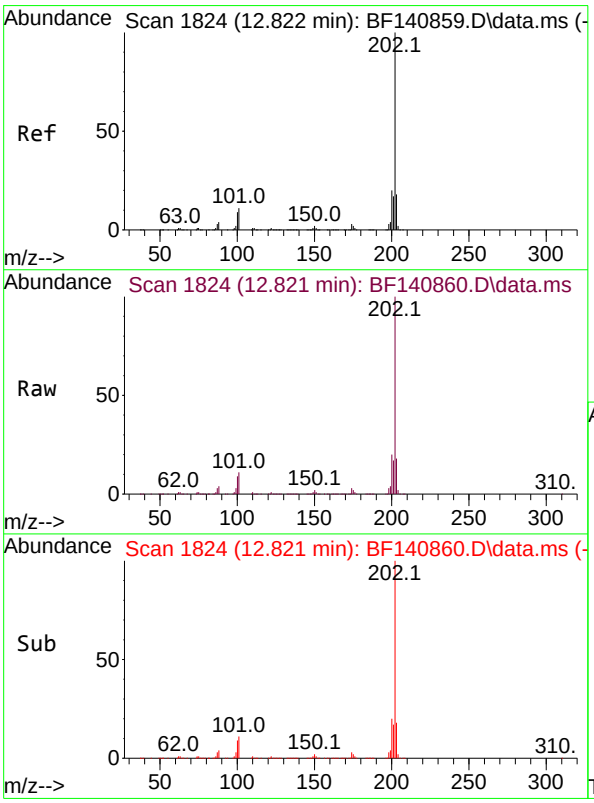

#77
Benzidine
Concen: 60.340 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 285677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.1 | 16.7 |
| 183 | 11.1 | 9.0 | 13.4 |

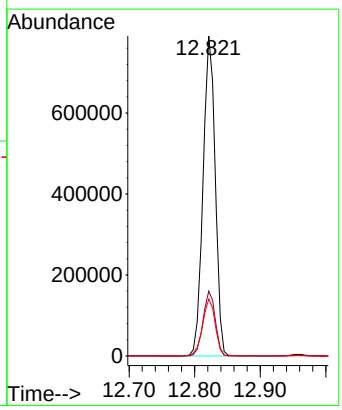


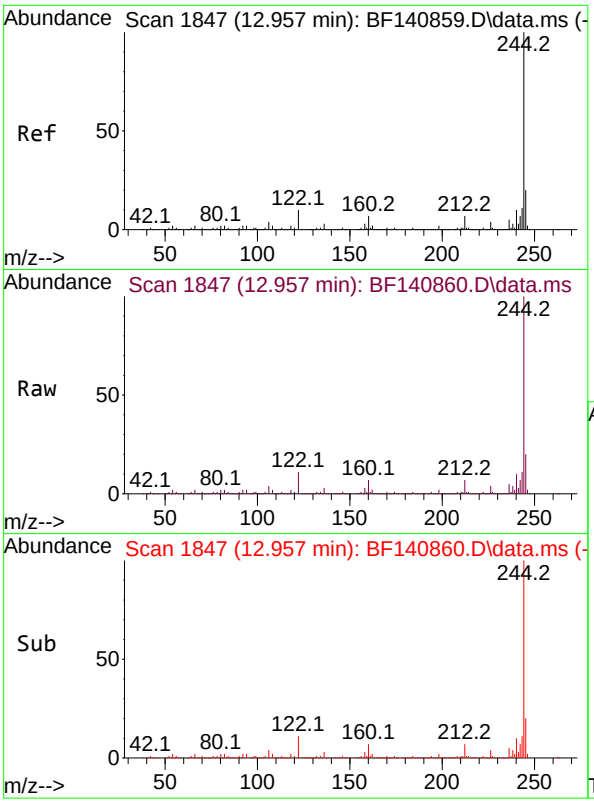




#78
Pyrene
Concen: 49.516 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:202 Resp: 1021434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.1 | 24.1 |
| 203 | 17.8 | 14.2 | 21.4 |



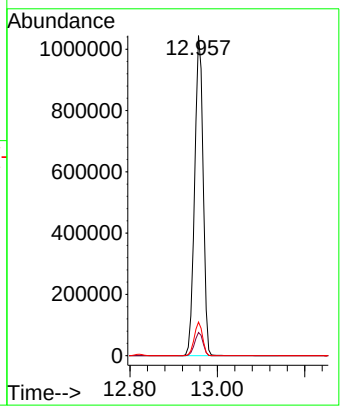


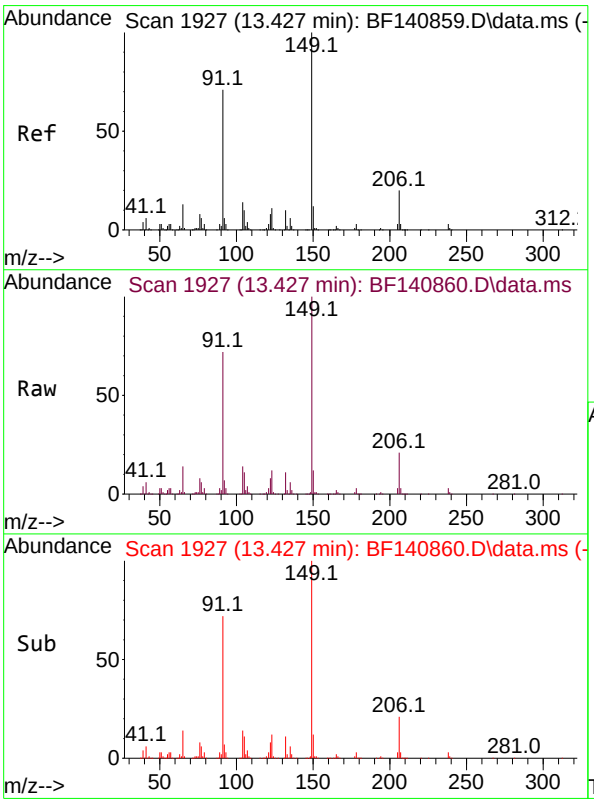

#79
Terphenyl-d14
Concen: 95.545 ng
RT: 12.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 1405567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.6 | 8.4 |
| 122 | 10.5 | 8.2 | 12.2 |

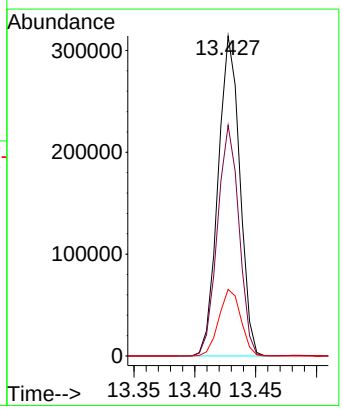


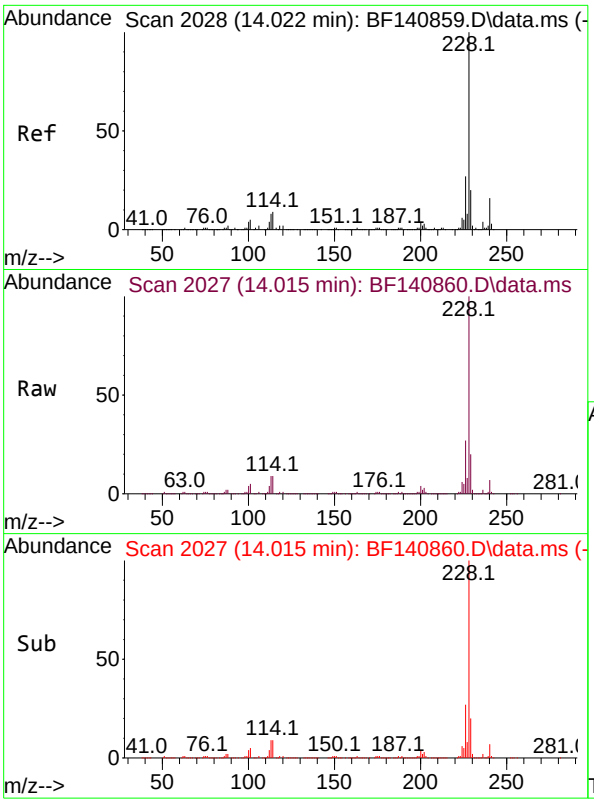




#80
Butylbenzylphthalate
Concen: 51.343 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 389705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.1 | 56.7 | 85.1 |
| 206 | 20.8 | 16.4 | 24.6 |



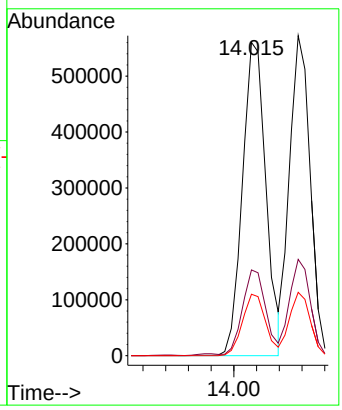


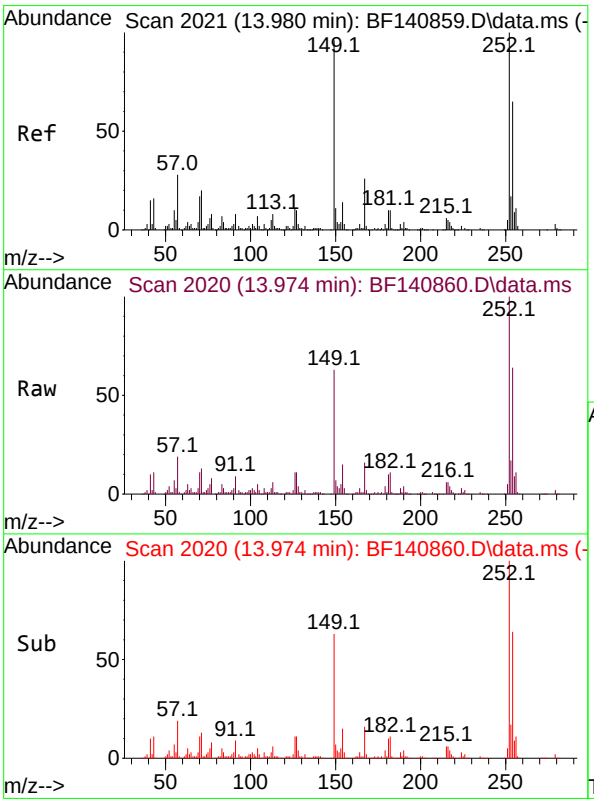

#81
Benzo(a)anthracene
Concen: 48.956 ng
RT: 14.015 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 804868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |

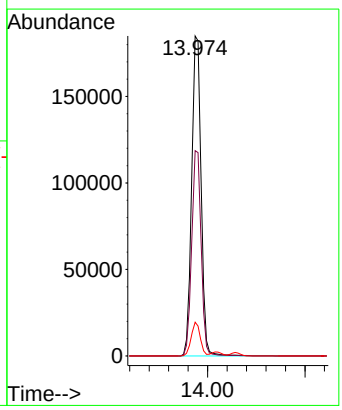


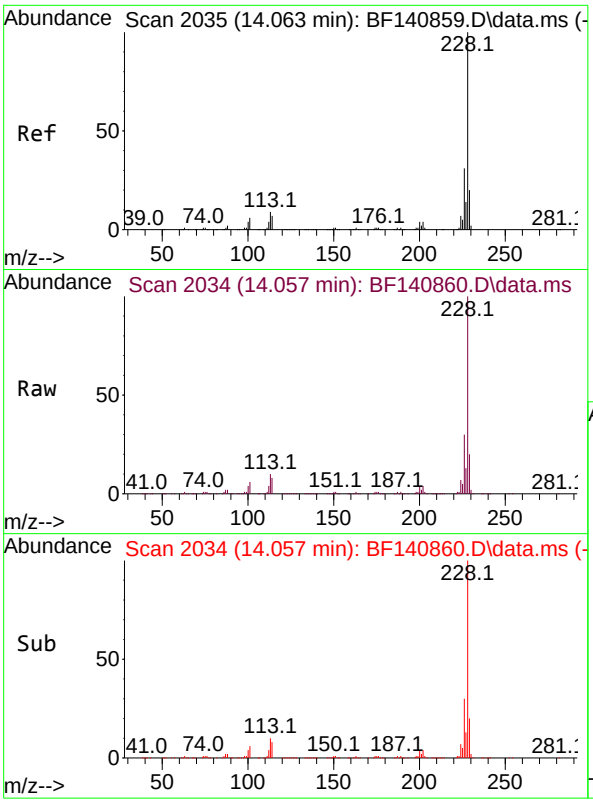




#82
3,3'-Dichlorobenzidine
Concen: 50.470 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:252 Resp: 250344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 52.3 | 78.5 |
| 126 | 10.6 | 8.4 | 12.6 |



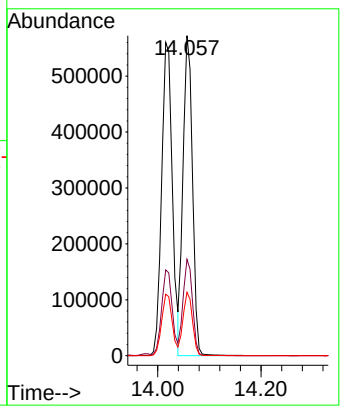


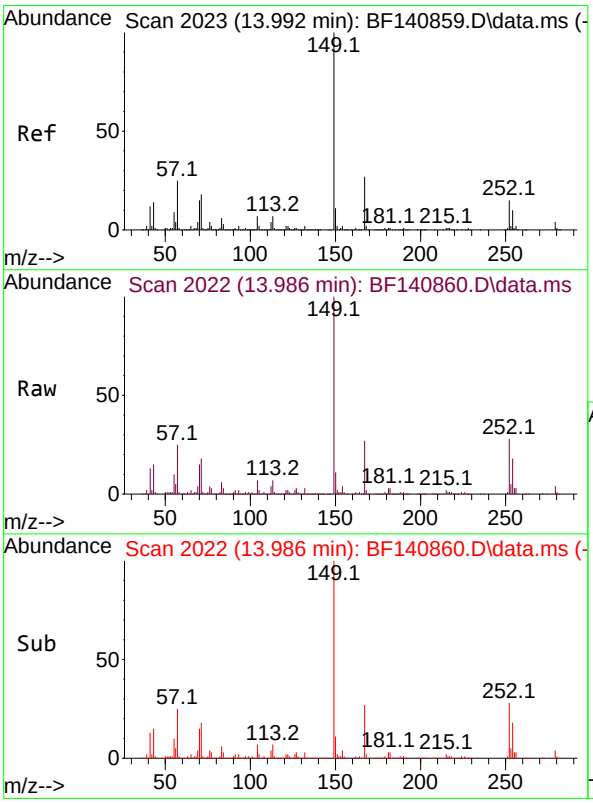

#83
Chrysene
Concen: 48.661 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 727490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

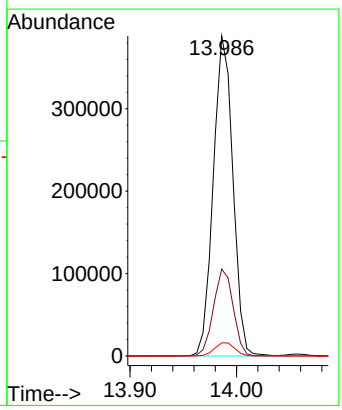


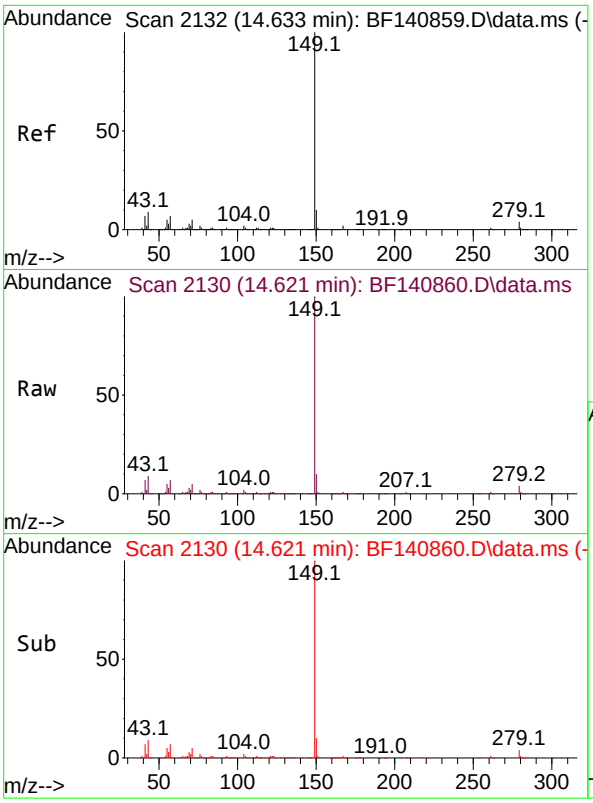




#84
Bis(2-ethylhexyl)phthalate
Concen: 50.642 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 495633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.8 | 32.8 |
| 279 | 4.1 | 3.5 | 5.3 |



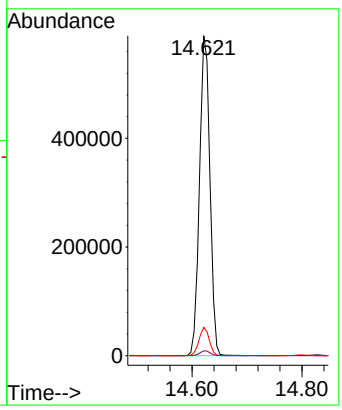


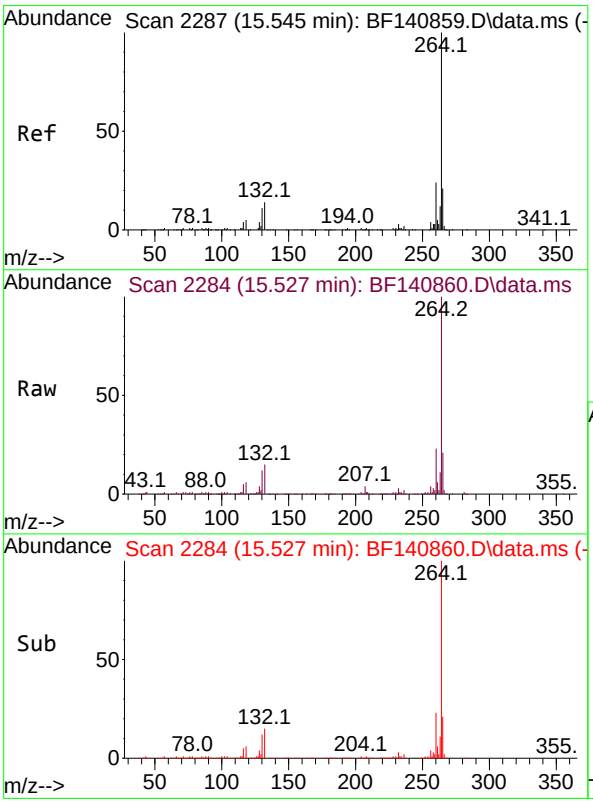

#85
Di-n-octyl phthalate
Concen: 52.530 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 777794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.8 | 7.0 | 10.6 |

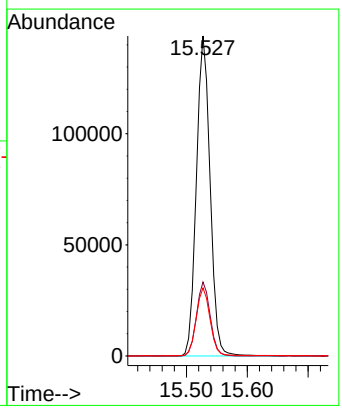


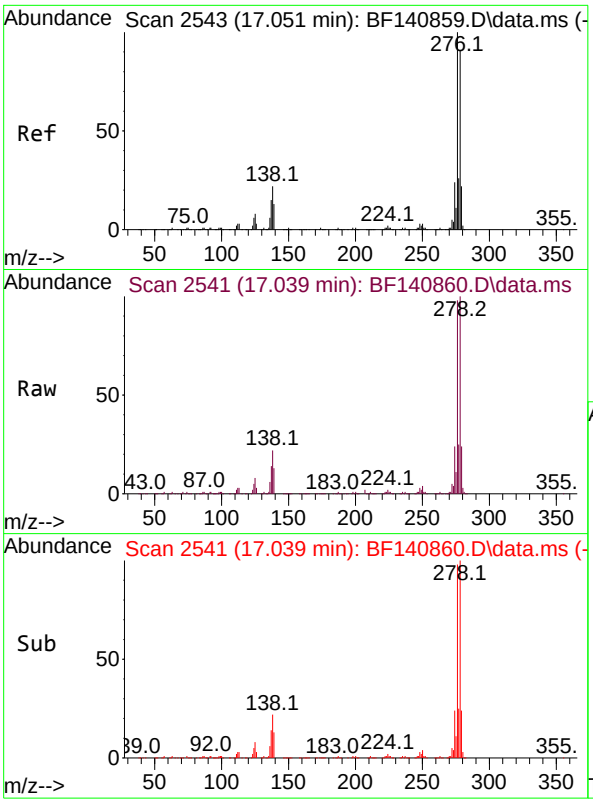




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:264 Resp: 225570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.2 | 17.0 | 25.4 |



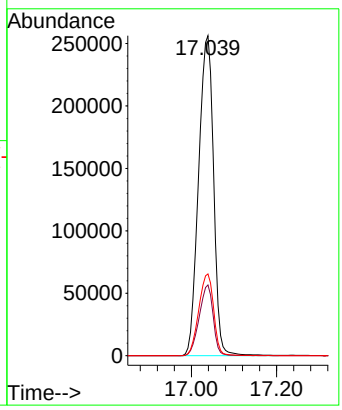


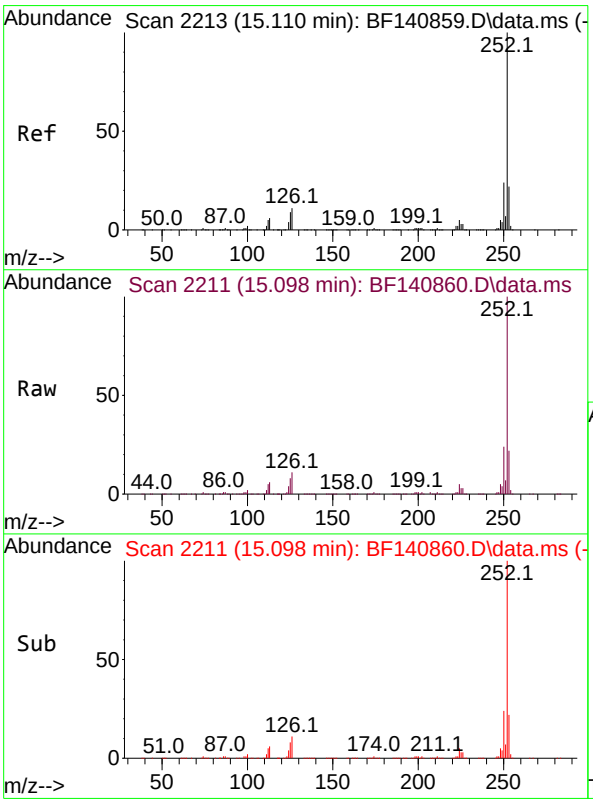

#87
Indeno(1,2,3-cd)pyrene
Concen: 44.446 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 625642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.6 | 16.9 | 25.3 |
| 277 | 25.4 | 20.2 | 30.4 |

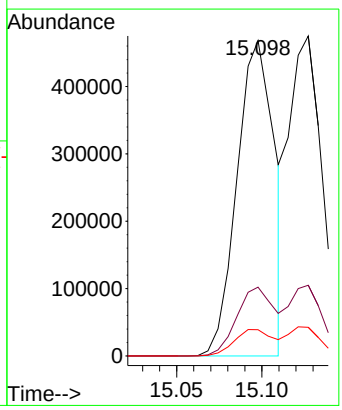


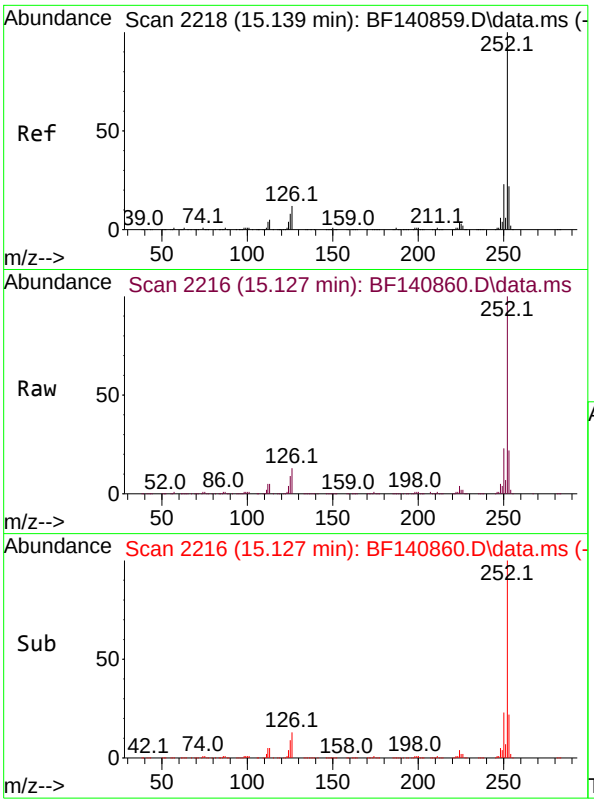




#88
Benzo(b)fluoranthene
Concen: 45.486 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:252 Resp: 712222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.3 | 7.0 | 10.4 |



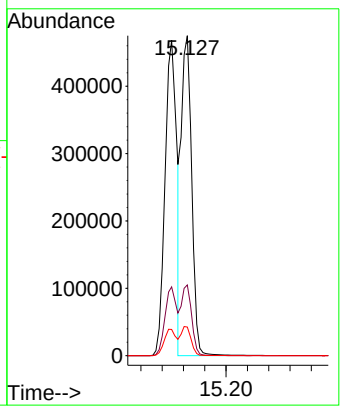


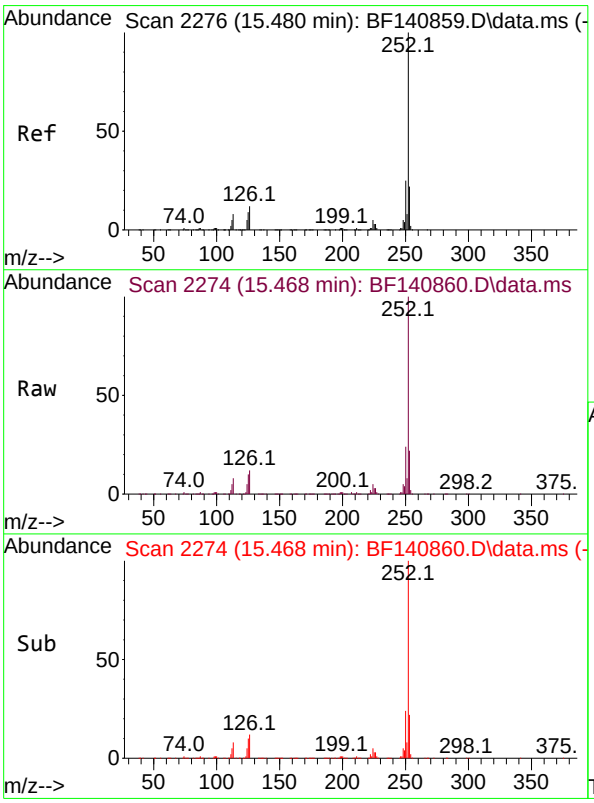

#89
Benzo(k)fluoranthene
Concen: 47.959 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 644153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 8.9 | 6.8 | 10.2 |

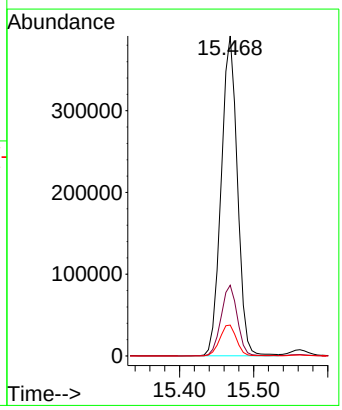


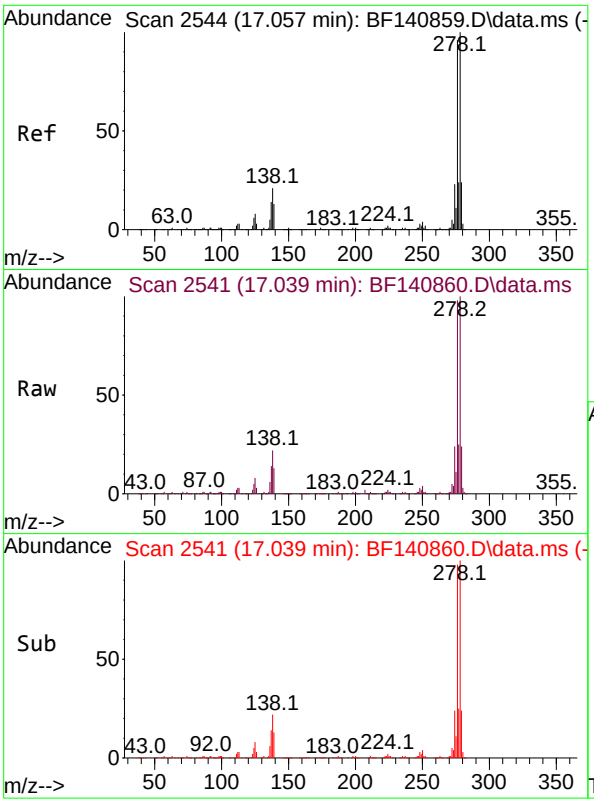




#90
Benzo(a)pyrene
Concen: 48.554 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:252 Resp: 595306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.7 | 7.5 | 11.3 |



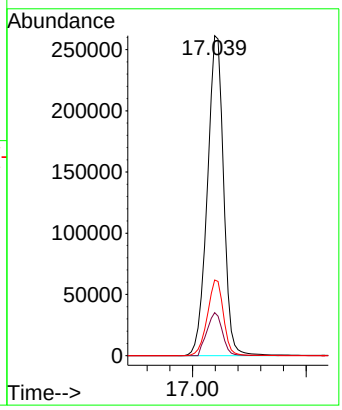


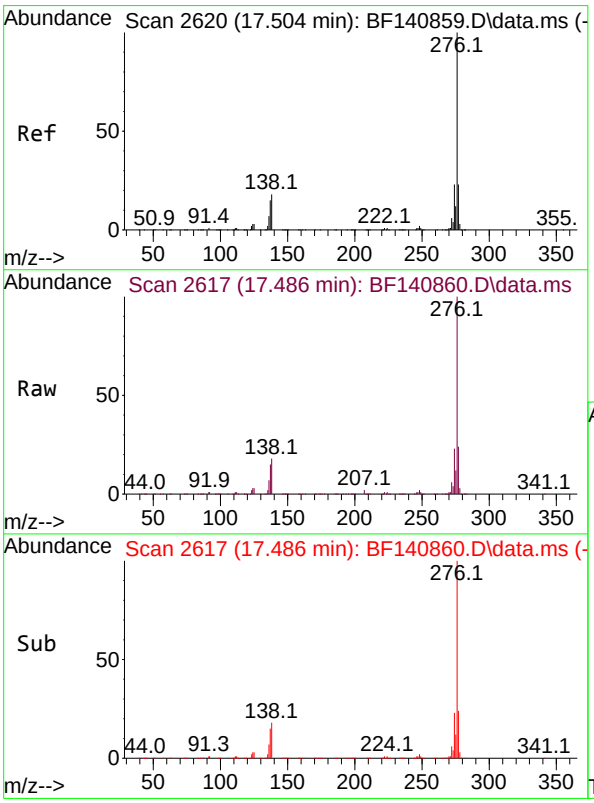

#91
Dibenzo(a,h)anthracene
Concen: 44.411 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 517904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.4 | 10.6 | 16.0 |
| 279 | 23.7 | 19.2 | 28.8 |

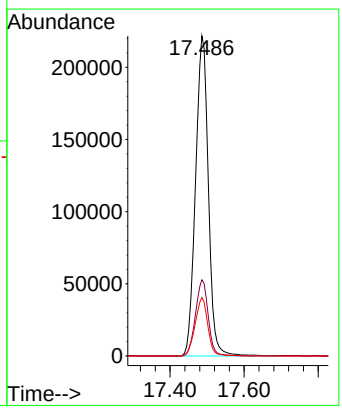



#92
Benzo(g,h,i)perylene
Concen: 44.846 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:276 Resp: 532268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.7 | 28.1 |
| 138 | 18.2 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 71125 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.133 | 136 | 259532 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 148549 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.374 | 188 | 283911 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 189956 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 161062 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 530122 | 122.696 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 692405 | 120.993 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 646998 | 124.724 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.680 | 330 | 216378 | 123.158 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1287749 | 119.184 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 1435829 | 119.191 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 112534 | 60.469 | ng | 99 |
| 3) Pyridine | 3.398 | 79 | 263425 | 61.121 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.363 | 42 | 138309 | 63.658 | ng | 100 |
| 6) Aniline | 6.522 | 93 | 292063 | 59.690 | ng | 95 |
| 8) 2-Chlorophenol | 6.645 | 128 | 288270 | 61.183 | ng | 97 |
| 9) Benzaldehyde | 6.410 | 77 | 170596 | 53.801 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 360221 | 60.734 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.592 | 93 | 270334 | 61.117 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 326363 | 60.789 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 329906 | 60.537 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 306086 | 59.529 | ng | 98 |
| 15) Benzyl Alcohol | 7.004 | 79 | 251539 | 61.475 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 307981 | 59.106 | ng | 89 |
| 17) 2-Methylphenol | 7.116 | 107 | 227597 | 60.504 | ng | 100 |
| 18) Hexachloroethane | 7.357 | 117 | 123680 | 60.962 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 202582 | 59.015 | ng | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 297926 | 59.728 | ng | 93 |
| 22) Acetophenone | 7.269 | 105 | 403586 | 62.164 | ng | 98 |
| 24) Nitrobenzene | 7.439 | 77 | 334236 | 62.893 | ng | 99 |
| 25) Isophorone | 7.681 | 82 | 544844 | 62.685 | ng | 100 |
| 26) 2-Nitrophenol | 7.751 | 139 | 156696 | 64.020 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 177170 | 61.982 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.880 | 93 | 332048 | 61.166 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 246376 | 62.432 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 281649 | 62.258 | ng | 100 |
| 31) Naphthalene | 8.151 | 128 | 874776 | 61.360 | ng | 100 |
| 32) Benzoic acid | 7.957 | 122 | 184163 | 67.933 | ng | 98 |
| 33) 4-Chloroaniline | 8.210 | 127 | 282583 | 59.681 | ng | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 185962 | 61.097 | ng | 99 |
| 35) Caprolactam | 8.604 | 113 | 71386 | 60.761 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 266211 | 59.935 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 559572 | 59.336 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 550027 | 58.973 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 277082 | 60.686 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 81340 | 60.032 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.127 | 196 | 176148 | 63.005 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

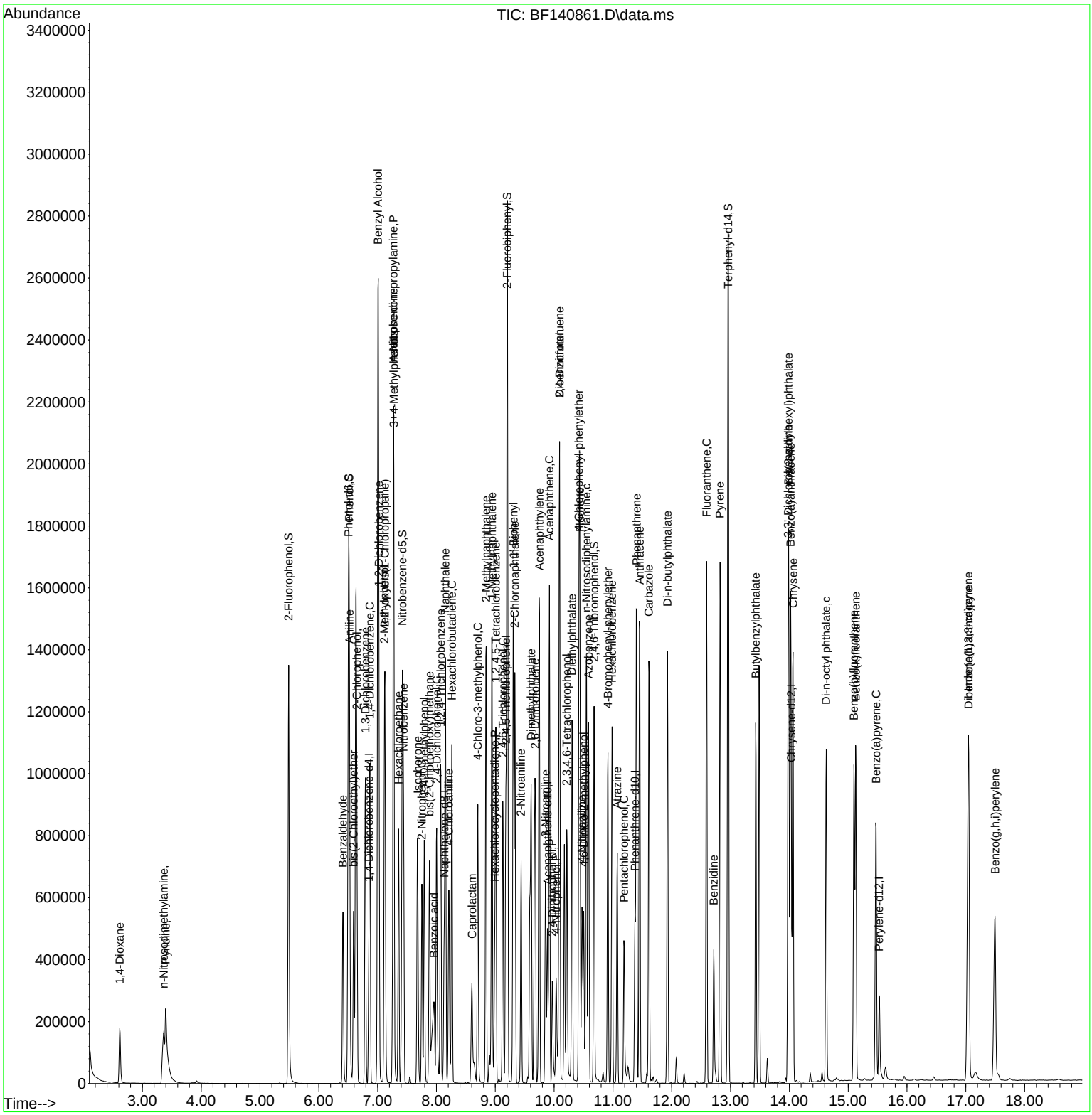
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 189802 | 61.766 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 701999 | 59.429 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 537602 | 59.491 | ng | 98 |
| 48) 2-Nitroaniline | 9.439 | 65 | 168378 | 61.695 | ng | 98 |
| 49) Acenaphthylene | 9.751 | 152 | 794616 | 59.836 | ng | 100 |
| 50) Dimethylphthalate | 9.610 | 163 | 631578 | 60.305 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 143106 | 59.771 | ng | 100 |
| 52) Acenaphthene | 9.922 | 154 | 511499 | 60.297 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 144867 | 60.971 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 71344 | 62.619 | ng | 98 |
| 55) Dibenzofuran | 10.092 | 168 | 778085 | 59.193 | ng | 99 |
| 56) 4-Nitrophenol | 10.033 | 139 | 78468 | 62.429 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 189784 | 60.246 | ng | 98 |
| 58) Fluorene | 10.439 | 166 | 634898 | 58.546 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 158455 | 63.281 | ng | 99 |
| 60) Diethylphthalate | 10.304 | 149 | 651190 | 59.961 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 324333 | 59.539 | ng | 100 |
| 62) 4-Nitroaniline | 10.474 | 138 | 150990 | 60.812 | ng | 98 |
| 63) Azobenzene | 10.586 | 77 | 594674 | 58.245 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 109821 | 68.263 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 532978 | 61.058 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 196628 | 61.907 | ng | 97 |
| 68) Hexachlorobenzene | 10.986 | 284 | 219687 | 61.005 | ng | 98 |
| 69) Atrazine | 11.074 | 200 | 134000 | 54.965 | ng | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 90656 | 68.816 | ng | 99 |
| 71) Phenanthrene | 11.404 | 178 | 863112 | 59.118 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 851368 | 59.213 | ng | 99 |
| 73) Carbazole | 11.610 | 167 | 826415 | 58.682 | ng | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1009898 | 61.102 | ng | 99 |
| 75) Fluoranthene | 12.592 | 202 | 1000773 | 59.520 | ng | 100 |
| 77) Benzidine | 12.715 | 184 | 258833 | 66.762 | ng | 99 |
| 78) Pyrene | 12.821 | 202 | 1008093 | 59.679 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 387906 | 62.410 | ng | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 808026 | 60.019 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 254358 | 62.622 | ng | 97 |
| 83) Chrysene | 14.062 | 228 | 731004 | 59.712 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 507221 | 63.289 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 754409 | 62.220 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.045 | 276 | 642591 | 63.934 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 696582 | 62.306 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 571329 | 59.574 | ng | 99 |
| 90) Benzo(a)pyrene | 15.474 | 252 | 542075 | 61.920 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.050 | 278 | 539476 | 64.789 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.498 | 276 | 530525 | 62.602 | ng | 99 |

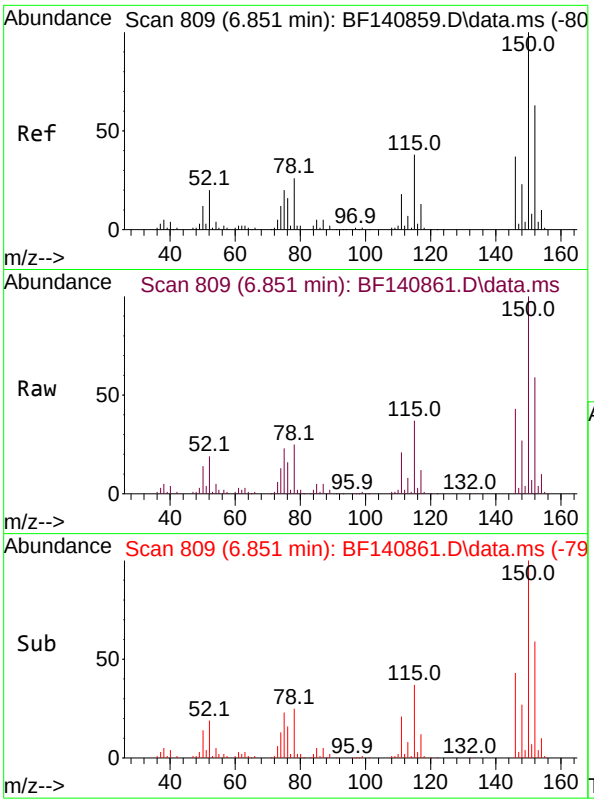
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



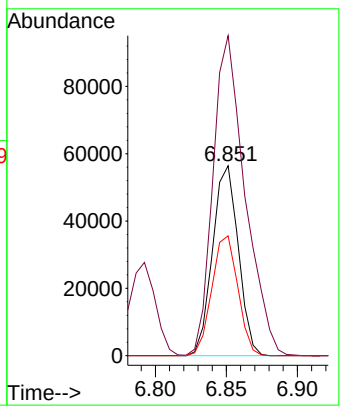


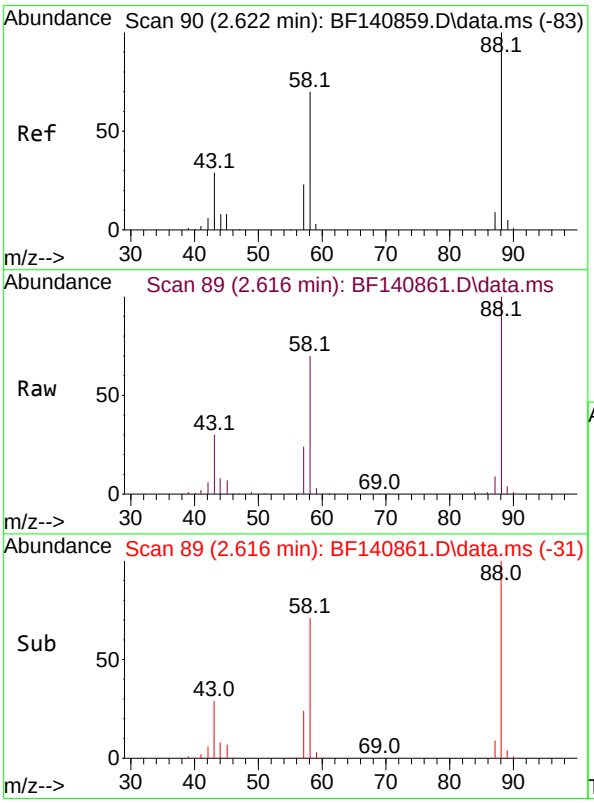

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 71125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 168.5 | 127.9 | 191.9 |
| 115 | 63.1 | 48.0 | 72.0 |

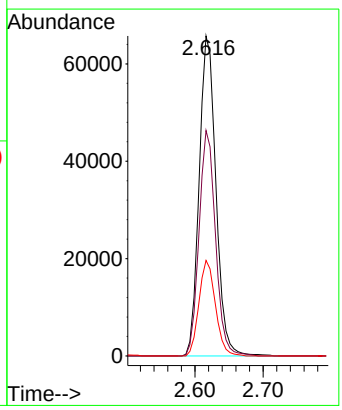


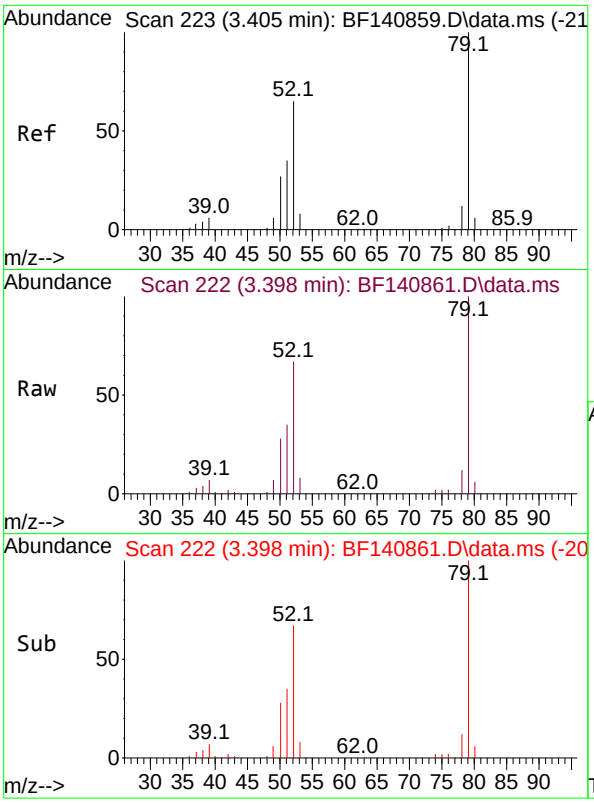




#2
1,4-Dioxane
Concen: 60.469 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 88 Resp: 112534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.2 | 55.8 | 83.8 |
| 43 | 29.3 | 22.7 | 34.1 |



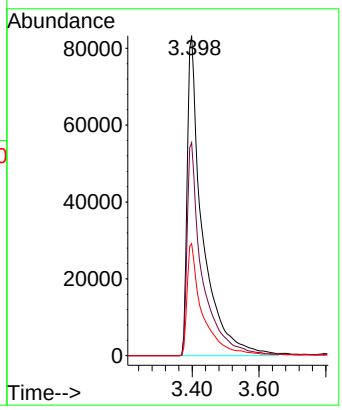


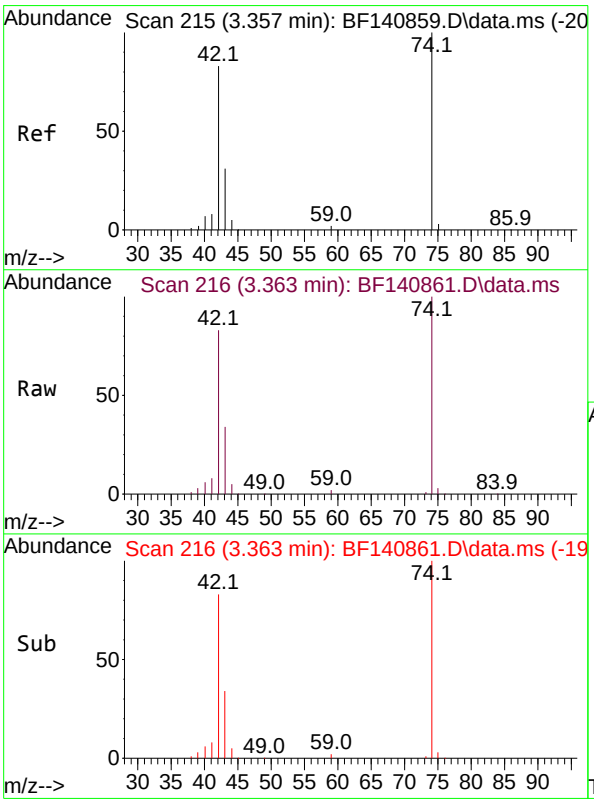

#3
Pyridine
Concen: 61.121 ng
RT: 3.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 263425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.6 | 51.7 | 77.5 |
| 51 | 35.0 | 28.2 | 42.4 |

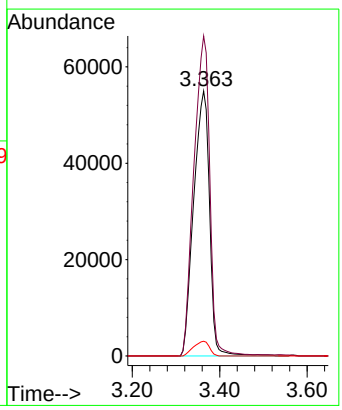


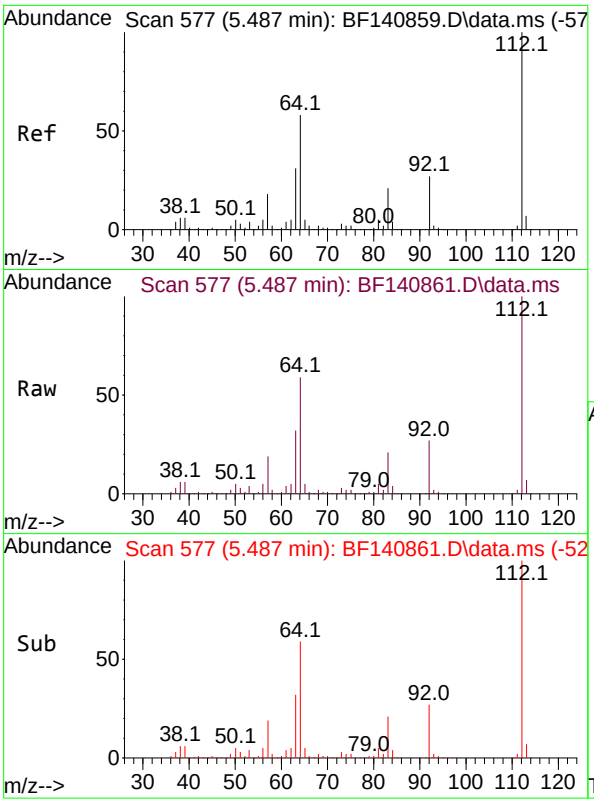




#4
n-Nitrosodimethylamine
Concen: 63.658 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 42 Resp: 138309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 120.7 | 96.9 | 145.3 |
| 44 | 5.6 | 4.4 | 6.6 |



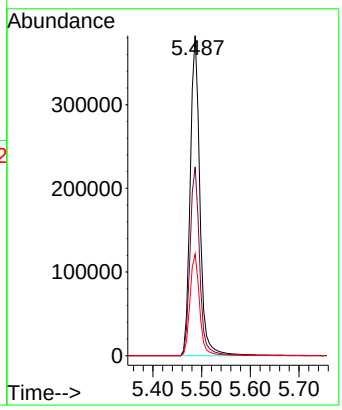


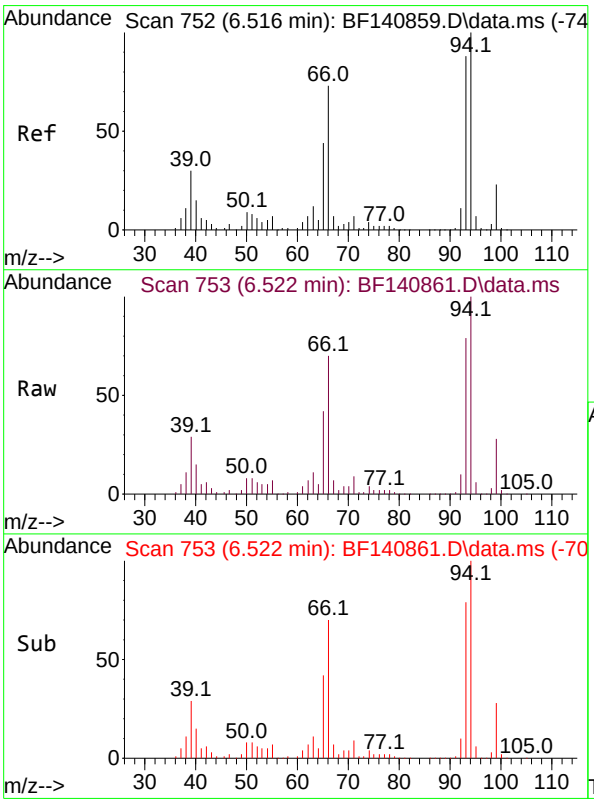

#5
2-Fluorophenol
Concen: 122.696 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 530122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.0 | 46.1 | 69.1 |
| 63 | 31.8 | 24.9 | 37.3 |

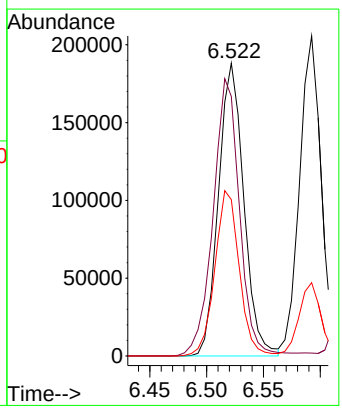


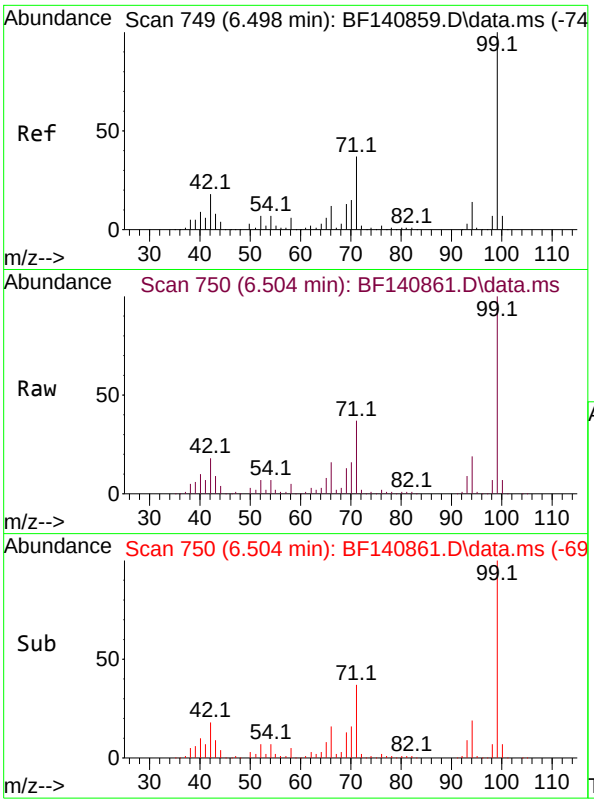




#6
Aniline
Concen: 59.690 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 93 Resp: 292063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 88.6 | 67.0 | 100.4 |
| 65 | 53.4 | 40.4 | 60.6 |



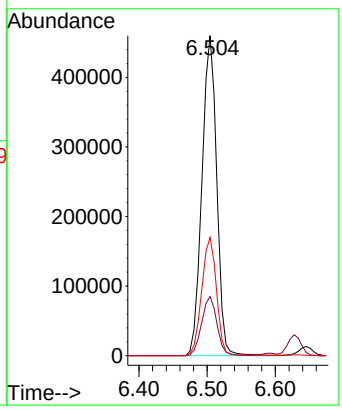


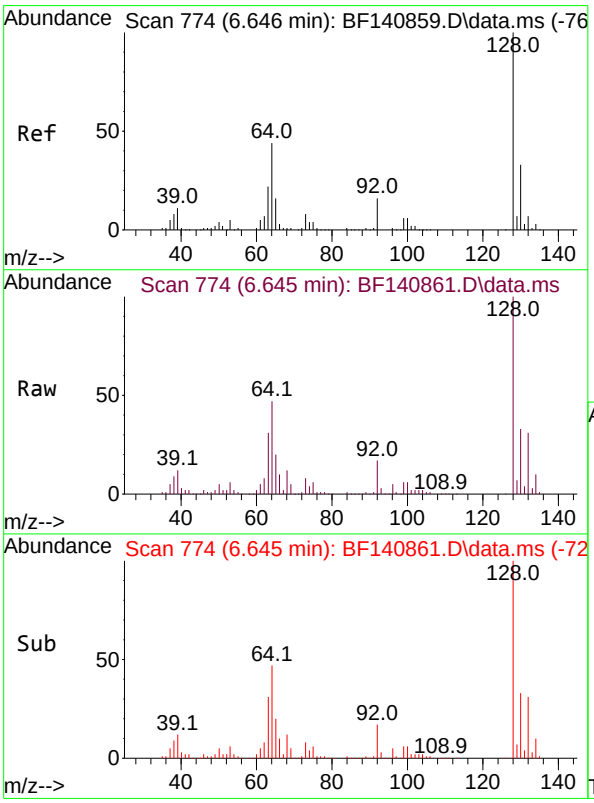

#7
Phenol-d6
Concen: 120.993 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 692405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 14.3 | 21.5 |
| 71 | 36.9 | 29.9 | 44.9 |

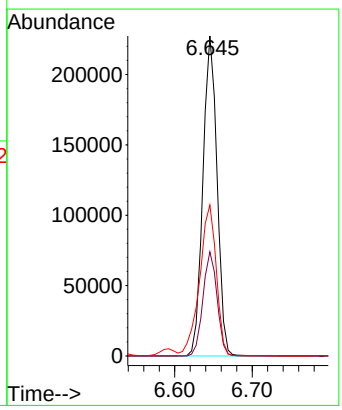


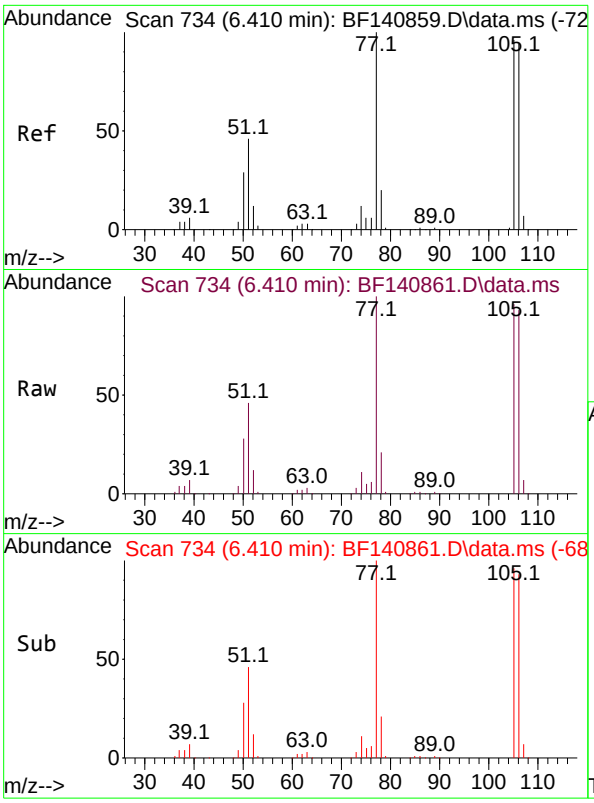




#8
2-Chlorophenol
Concen: 61.183 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:128 Resp: 288270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.9 | 52.9 |
| 64 | 47.2 | 24.3 | 64.3 |



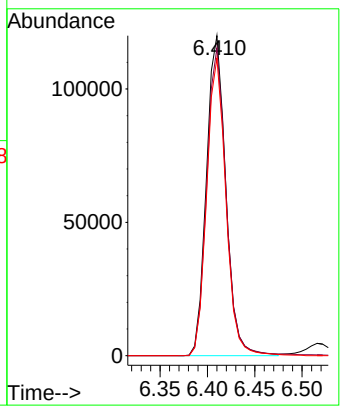


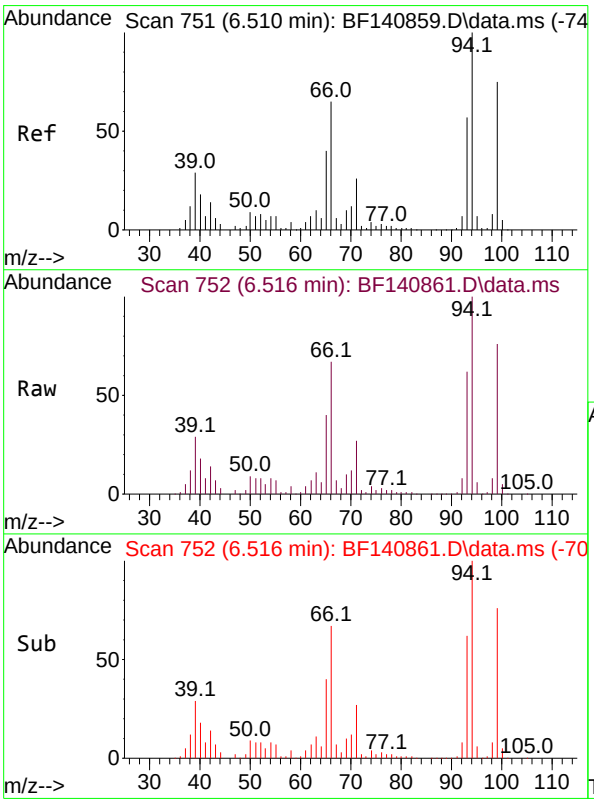

#9
Benzaldehyde
Concen: 53.801 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 170596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.2 | 75.8 | 115.8 |
| 106 | 93.0 | 74.1 | 114.1 |

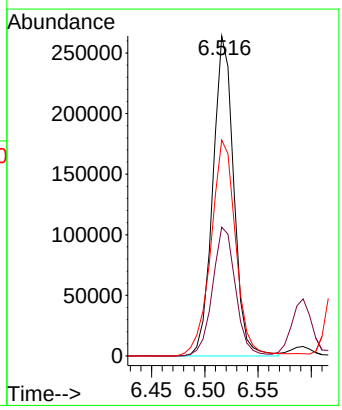


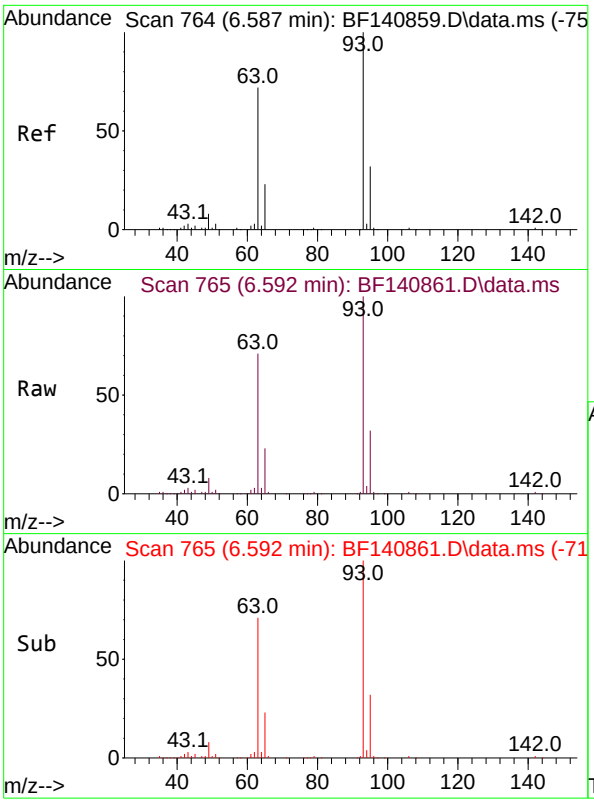




#10
Phenol
Concen: 60.734 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 94 Resp: 360221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.2 | 19.9 | 59.9 |
| 66 | 67.5 | 45.6 | 85.6 |



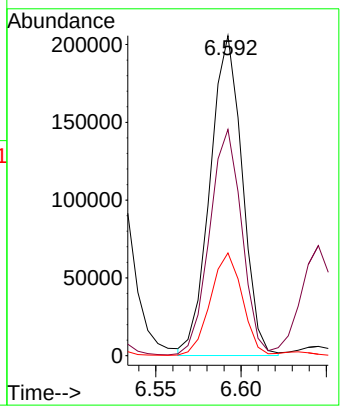


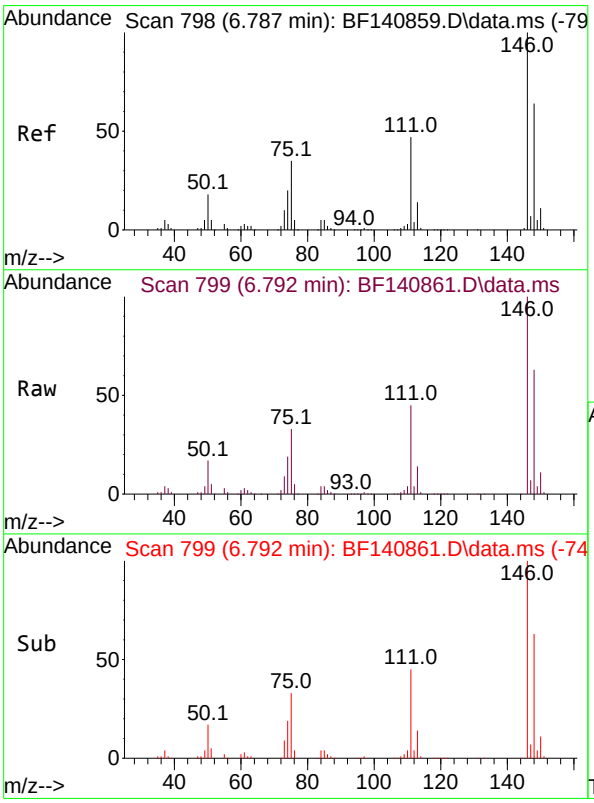

#11
bis(2-Chloroethyl)ether
Concen: 61.117 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 270334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.7 | 51.0 | 91.0 |
| 95 | 32.1 | 12.0 | 52.0 |

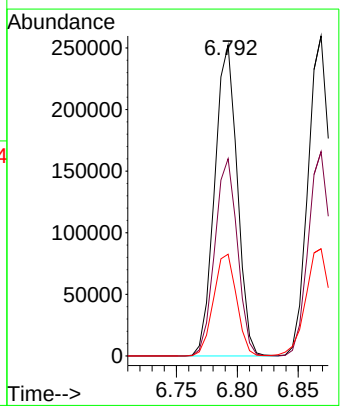


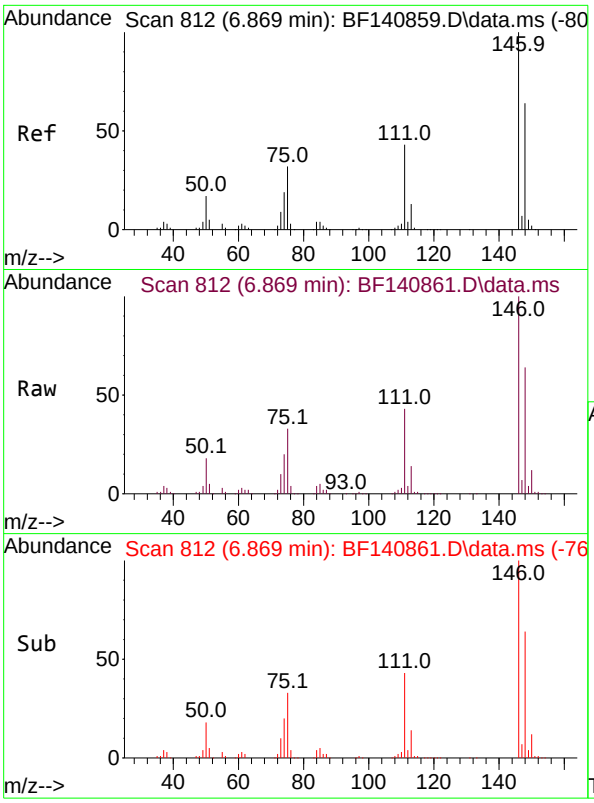




#12
1,3-Dichlorobenzene
Concen: 60.789 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:146 Resp: 326363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.0 | 76.6 |
| 75 | 32.7 | 28.1 | 42.1 |



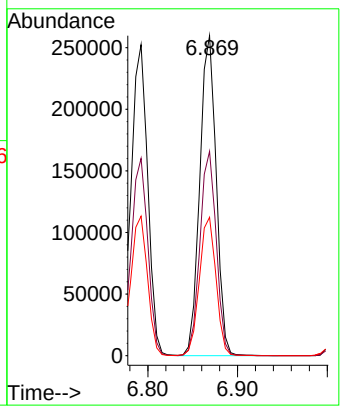


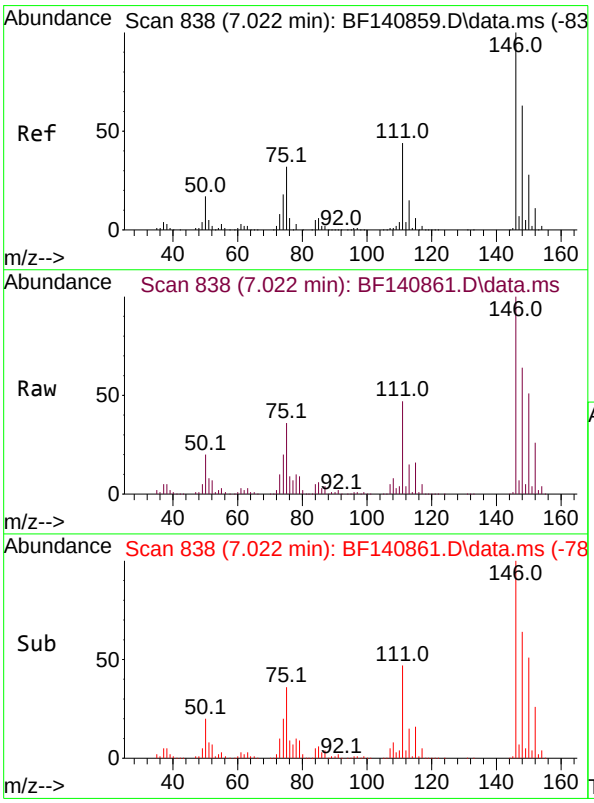

#13
1,4-Dichlorobenzene
Concen: 60.537 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 329906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.3 | 76.9 |
| 111 | 43.3 | 34.4 | 51.6 |

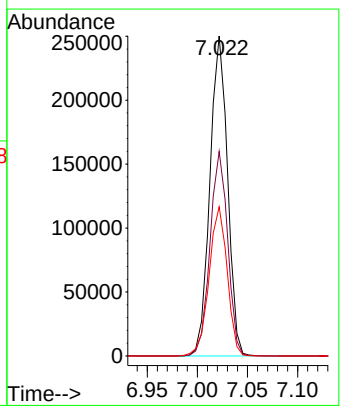


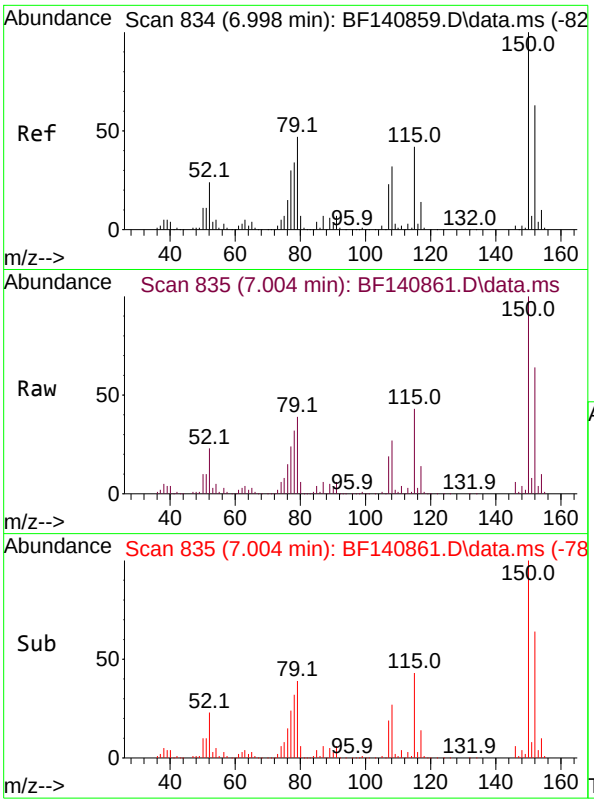




#14
1,2-Dichlorobenzene
Concen: 59.529 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:146 Resp: 306086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.0 | 75.0 |
| 111 | 46.6 | 35.6 | 53.4 |



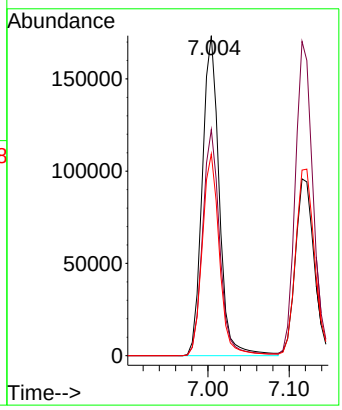


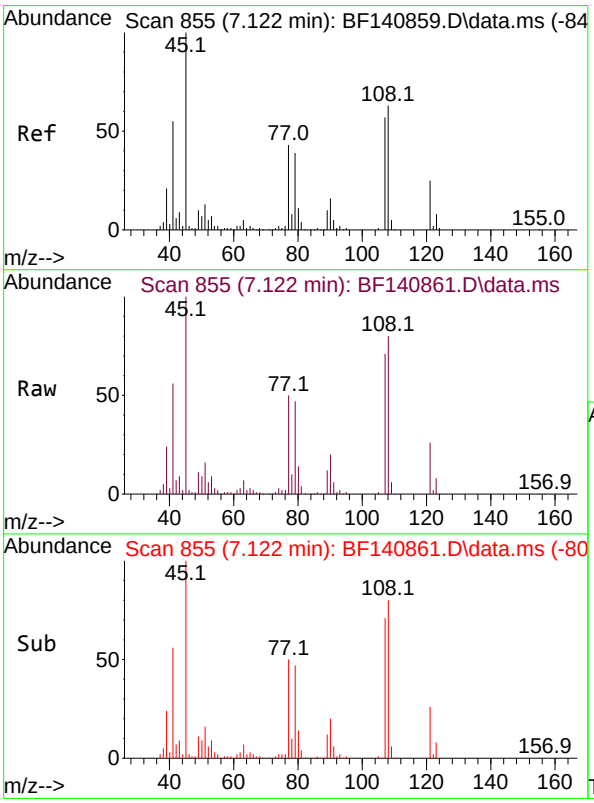

#15
Benzyl Alcohol
Concen: 61.475 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 251539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 70.6 | 55.1 | 82.7 |
| 77 | 63.0 | 50.6 | 76.0 |

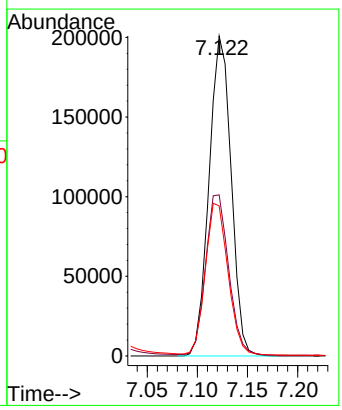


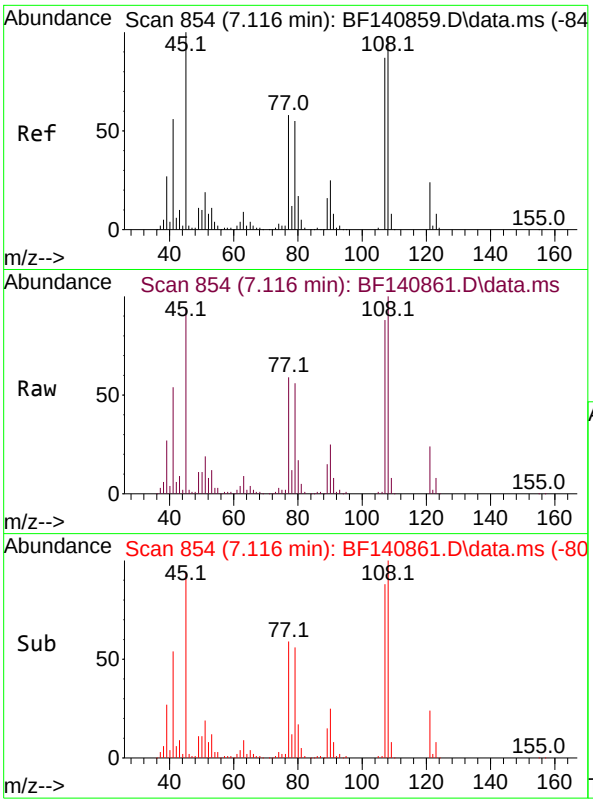




#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.106 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 45 Resp: 307981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 50.3 | 23.3 | 63.3 |
| 79 | 46.9 | 20.0 | 60.0 |



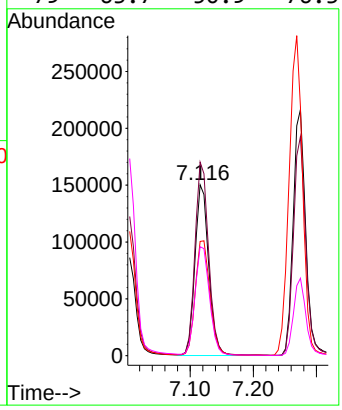


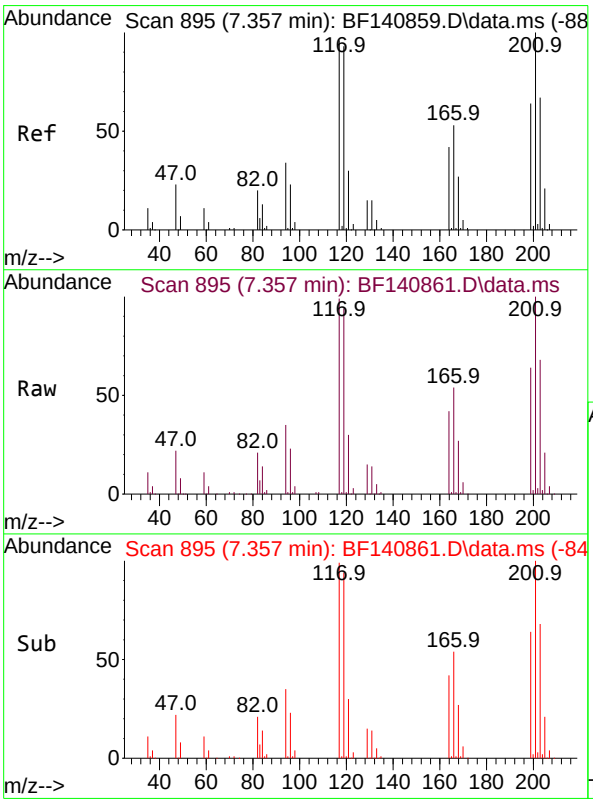

#17
2-Methylphenol
Concen: 60.504 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 227597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.2 | 135.4 |
| 77 | 66.9 | 53.8 | 80.6 |
| 79 | 63.7 | 50.9 | 76.3 |

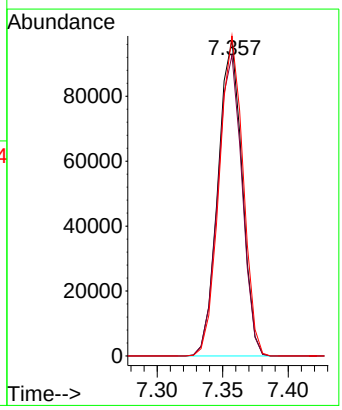


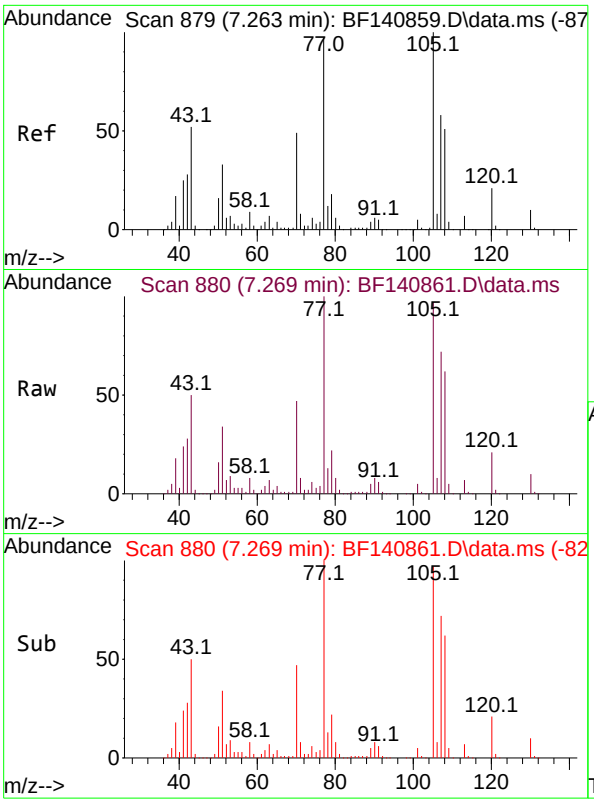




#18
Hexachloroethane
Concen: 60.962 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:117 Resp: 123680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.4 | 116.0 |
| 201 | 101.3 | 83.4 | 125.0 |



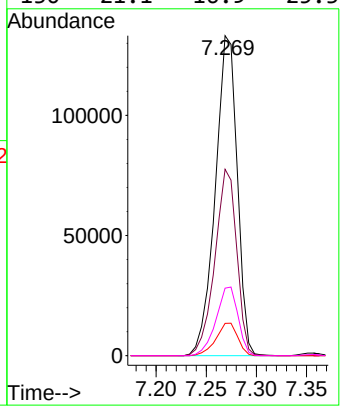


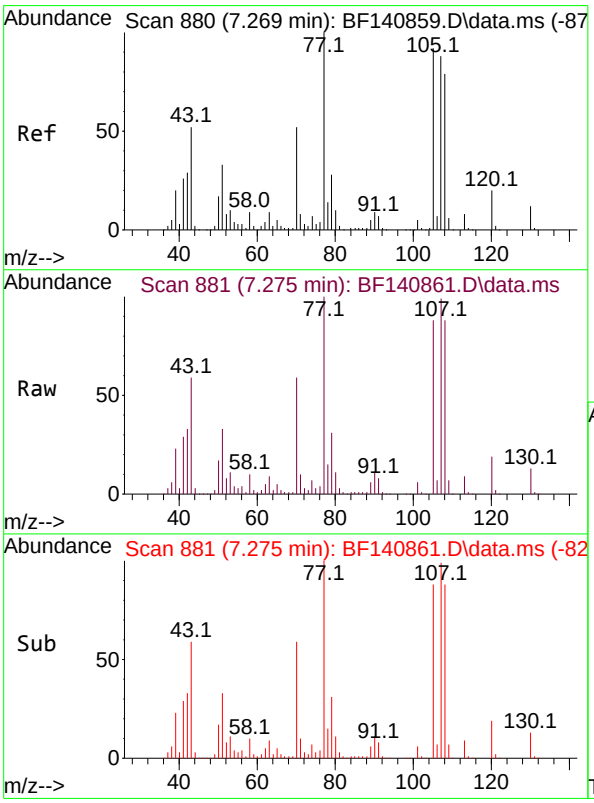

#19
n-Nitroso-di-n-propylamine
Concen: 59.015 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 202582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.3 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 21.1 | 16.9 | 25.3 |

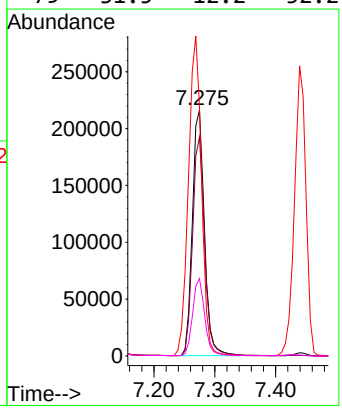


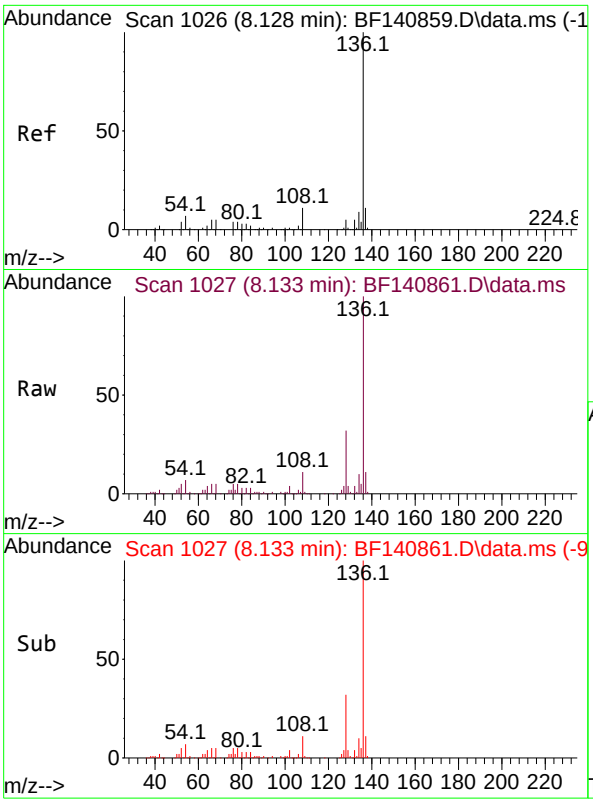




#20
3+4-Methylphenols
Concen: 59.728 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:107 Resp: 297926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.0 | 70.1 | 110.1 |
| 77 | 101.1 | 94.4 | 134.4 |
| 79 | 31.5 | 12.2 | 52.2 |



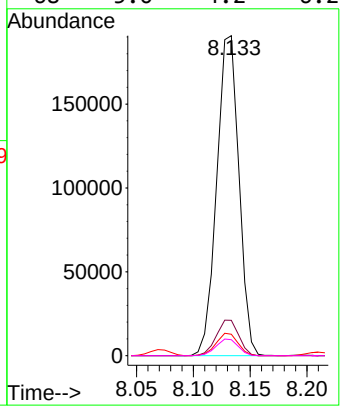


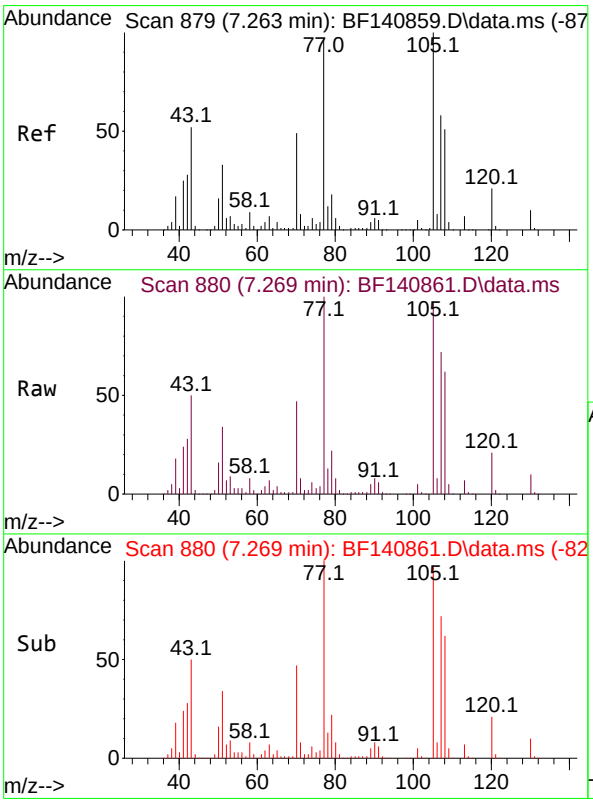

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 259532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.7 | 5.6 | 8.4 |
| 68 | 5.0 | 4.2 | 6.2 |

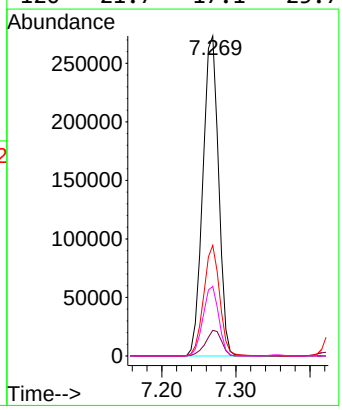


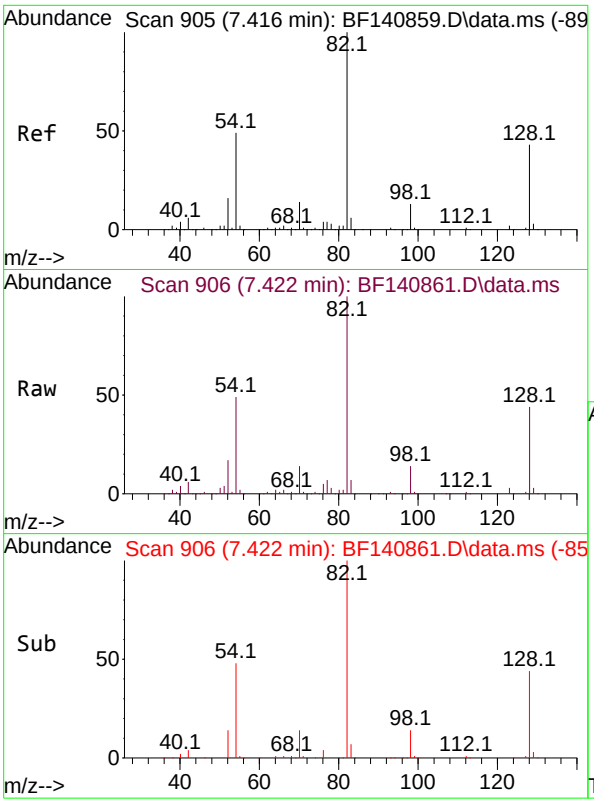




#22
Acetophenone
Concen: 62.164 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:105 Resp: 403586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 6.2 | 9.4 |
| 51 | 34.6 | 26.3 | 39.5 |
| 120 | 21.7 | 17.1 | 25.7 |



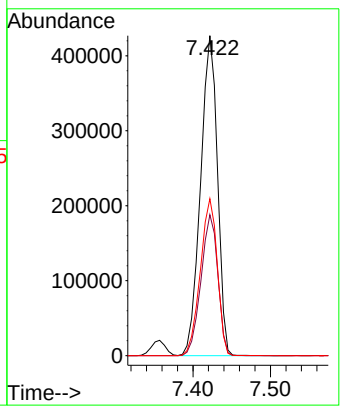


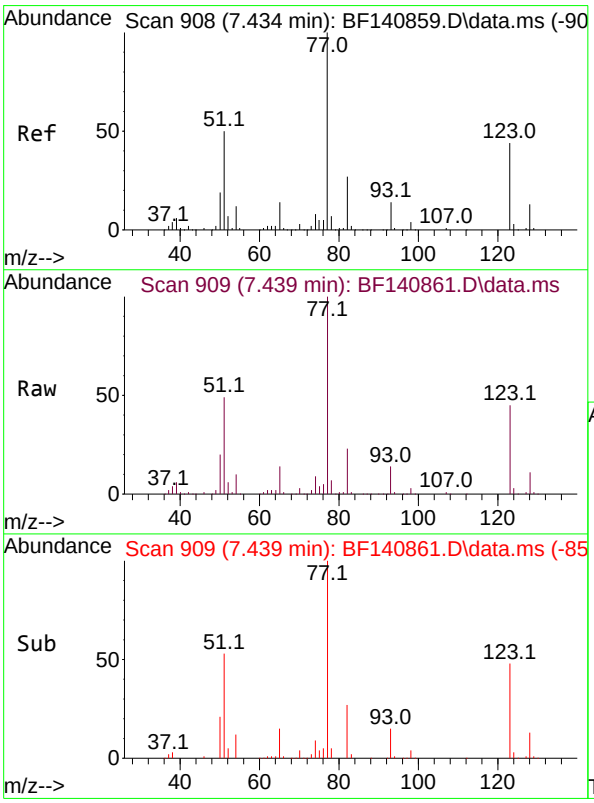

#23
Nitrobenzene-d5
Concen: 124.724 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 646998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 34.4 | 51.6 |
| 54 | 49.0 | 38.8 | 58.2 |

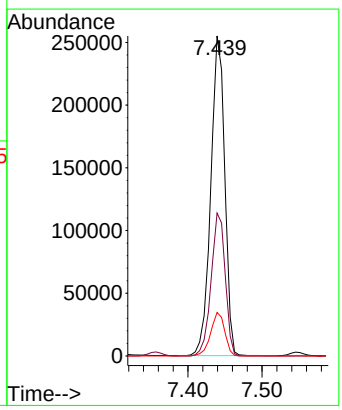


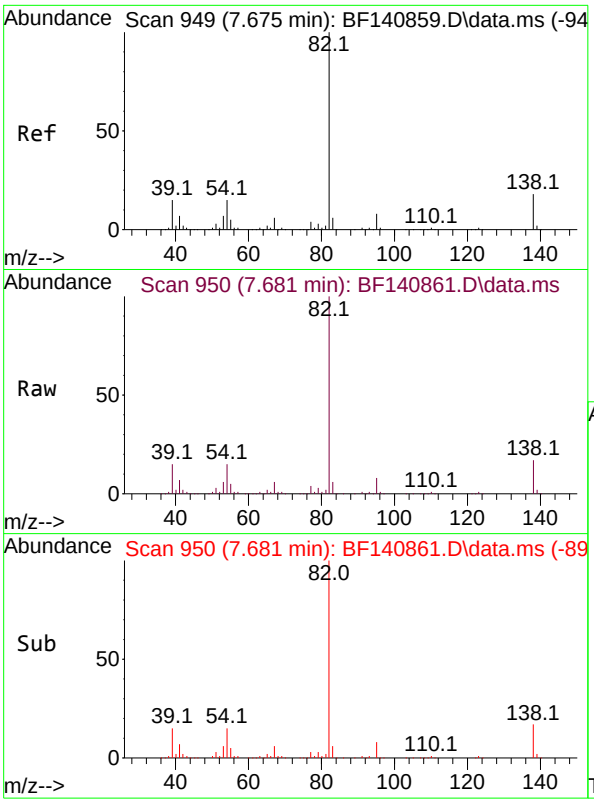




#24
Nitrobenzene
Concen: 62.893 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 77 Resp: 334236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.6 | 35.0 | 52.4 |
| 65 | 13.6 | 11.4 | 17.0 |



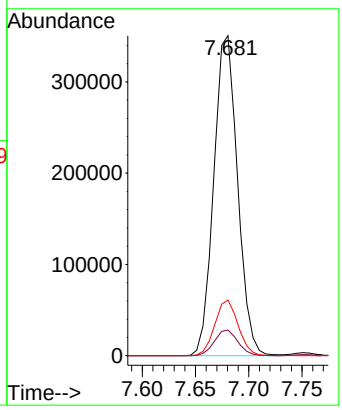


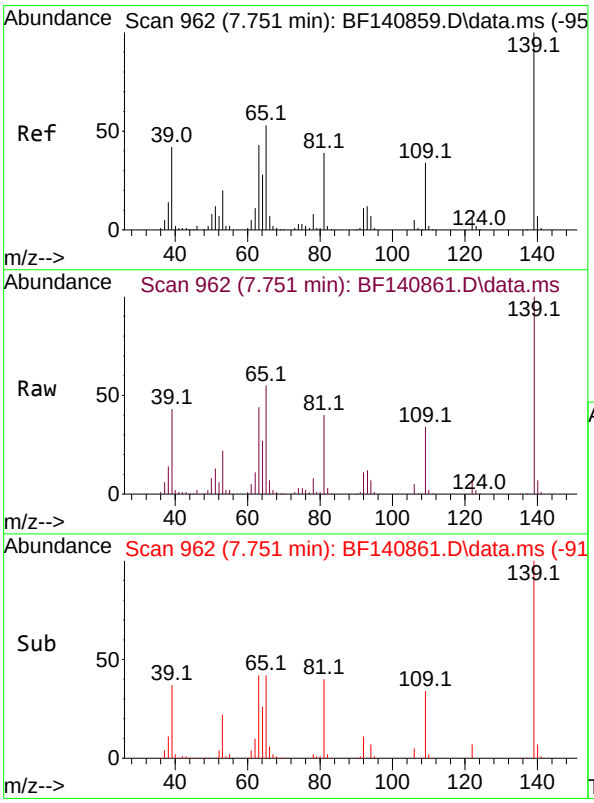

#25
Isophorone
Concen: 62.685 ng
RT: 7.681 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 544844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.3 | 9.5 |
| 138 | 17.4 | 14.1 | 21.1 |

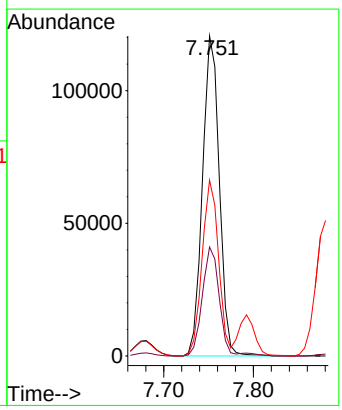


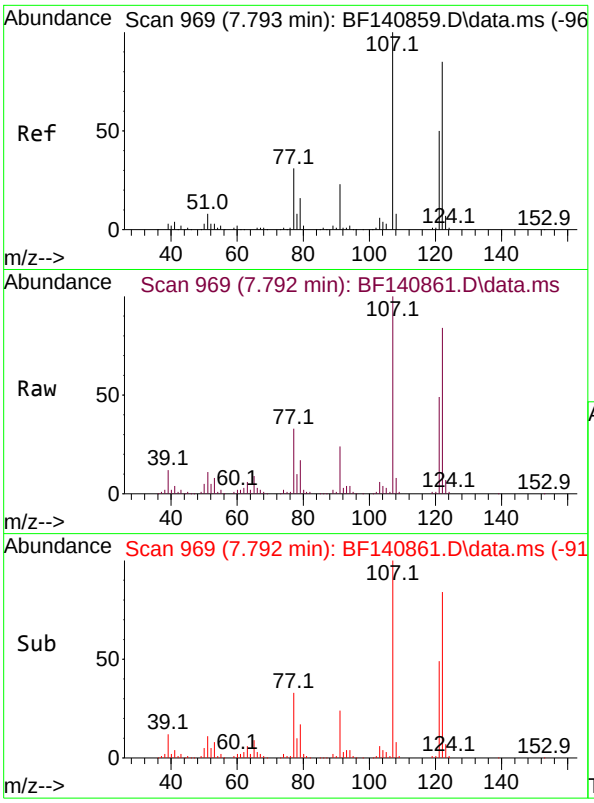




#26
2-Nitrophenol
Concen: 64.020 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:139 Resp: 156696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.1 | 26.9 | 40.3 |
| 65 | 54.9 | 42.6 | 64.0 |



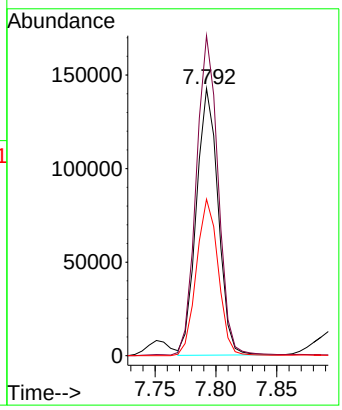


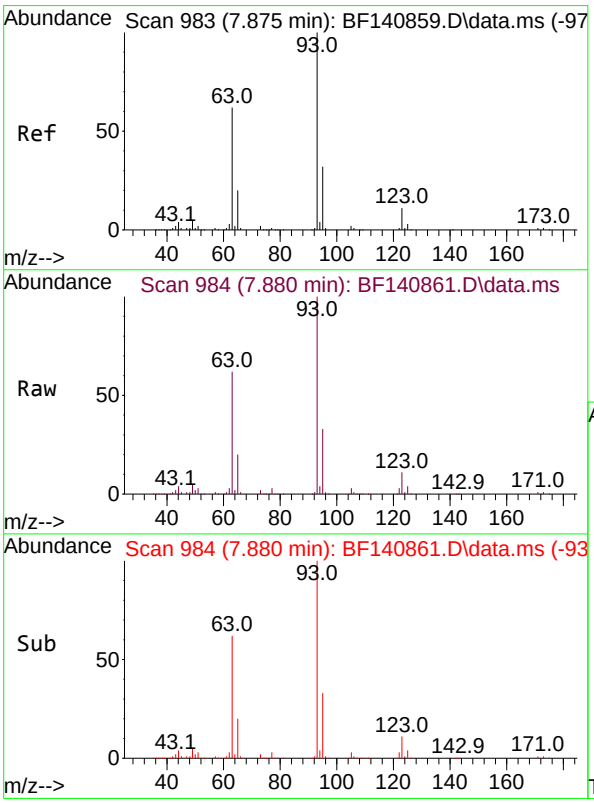

#27
2,4-Dimethylphenol
Concen: 61.982 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 177170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.8 | 92.6 | 139.0 |
| 121 | 58.6 | 45.8 | 68.8 |

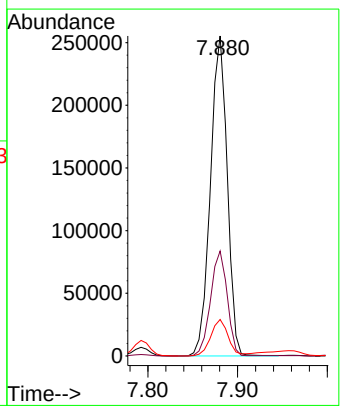


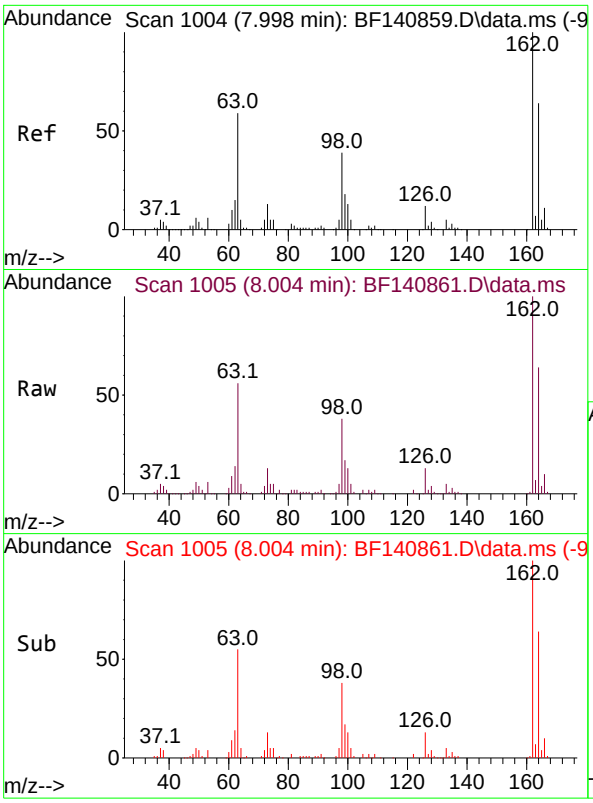




#28
bis(2-Chloroethoxy)methane
Concen: 61.166 ng
RT: 7.880 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 93 Resp: 332048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 25.3 | 37.9 |
| 123 | 11.4 | 8.6 | 13.0 |



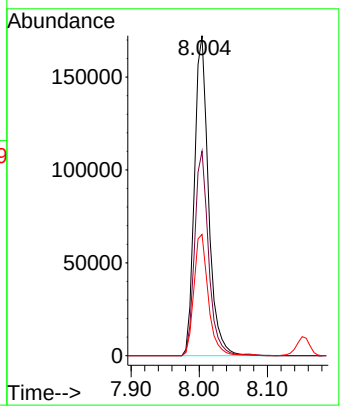


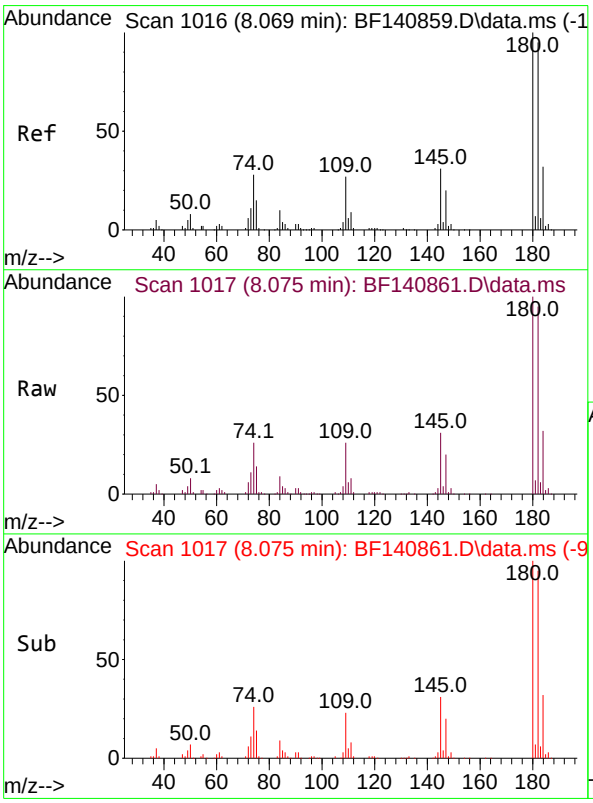

#29
2,4-Dichlorophenol
Concen: 62.432 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 246376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.7 | 83.7 |
| 98 | 37.9 | 18.6 | 58.6 |

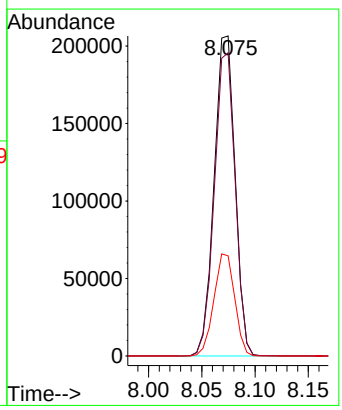


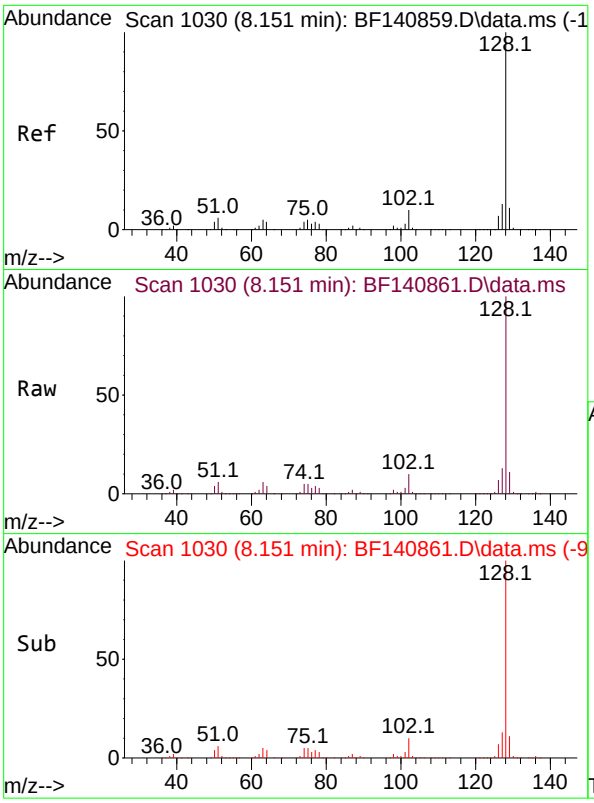




#30
1,2,4-Trichlorobenzene
Concen: 62.258 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:180 Resp: 281649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 75.8 | 113.6 |
| 145 | 31.3 | 25.2 | 37.8 |



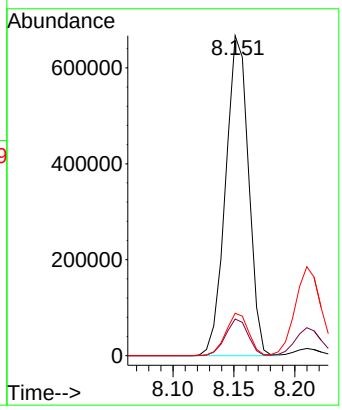


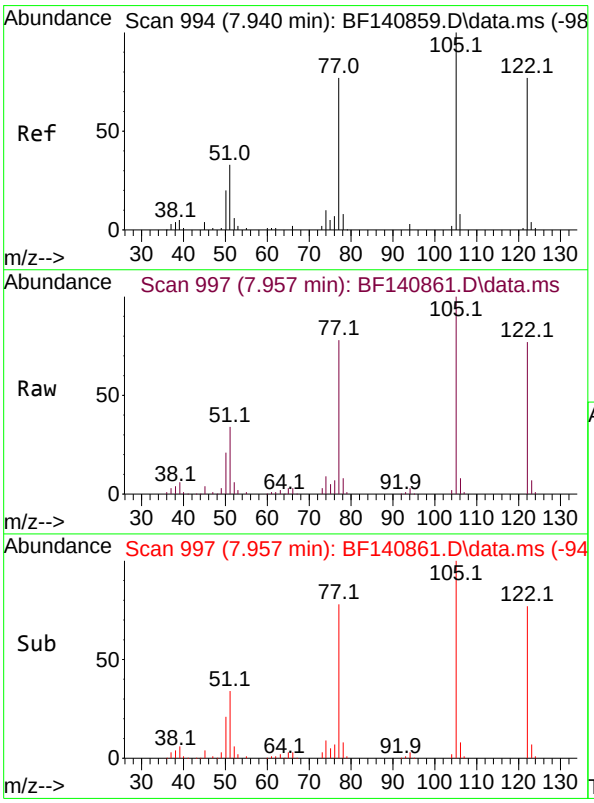

#31
Naphthalene
Concen: 61.360 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 874776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |

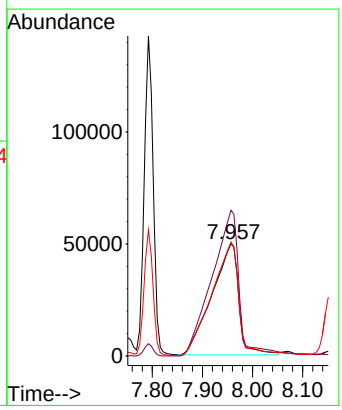


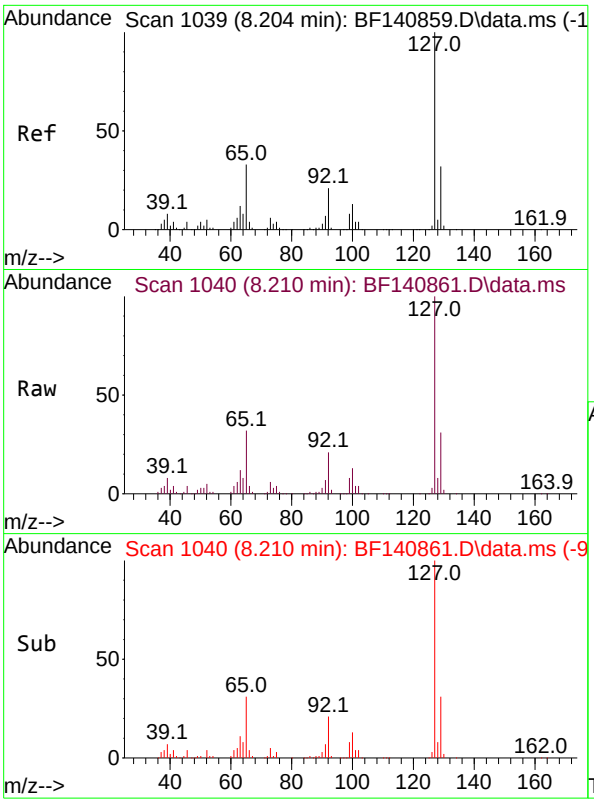




#32
Benzoic acid
Concen: 67.933 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.017 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:122 Resp: 184163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 129.9 | 108.3 | 148.3 |
| 77 | 101.4 | 78.8 | 118.8 |



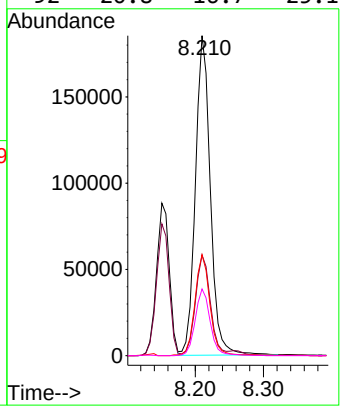


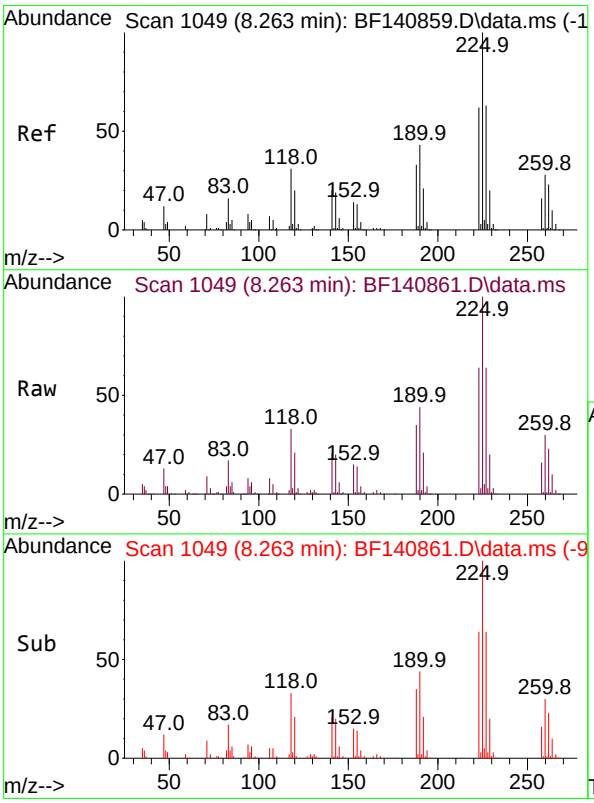

#33
4-Chloroaniline
Concen: 59.681 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 282583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.4 | 26.0 | 39.0 |
| 65 | 31.6 | 26.0 | 39.0 |
| 92 | 20.8 | 16.7 | 25.1 |

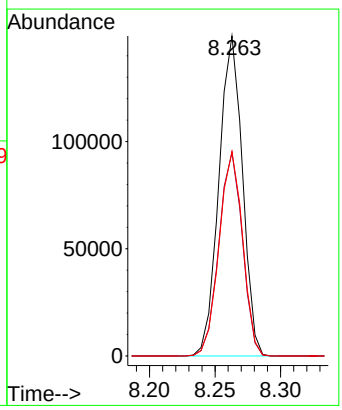


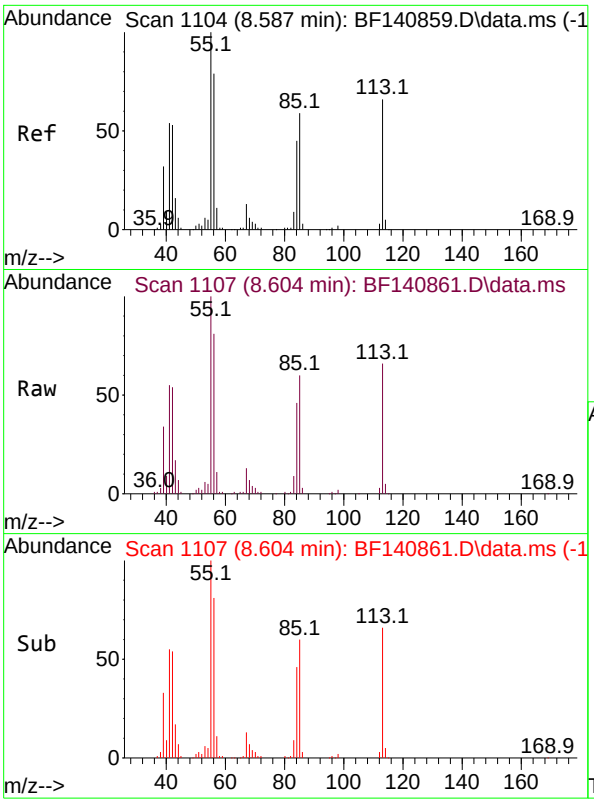




#34
Hexachlorobutadiene
Concen: 61.097 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:225 Resp: 185962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 49.6 | 74.4 |
| 227 | 63.9 | 50.7 | 76.1 |



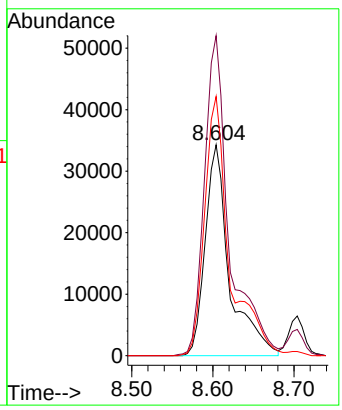


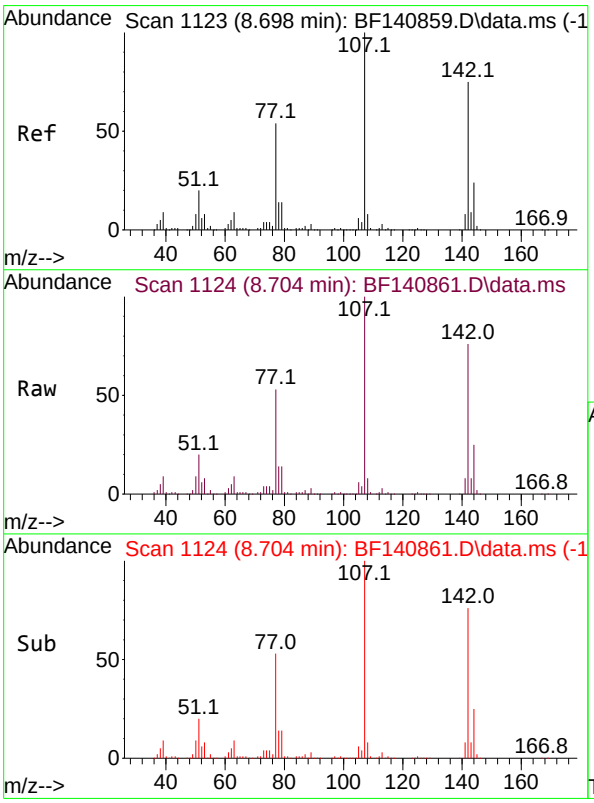

#35
Caprolactam
Concen: 60.761 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 71386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 151.7 | 132.3 | 172.3 |
| 56 | 122.9 | 100.3 | 140.3 |

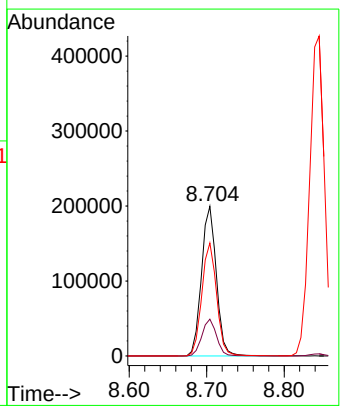


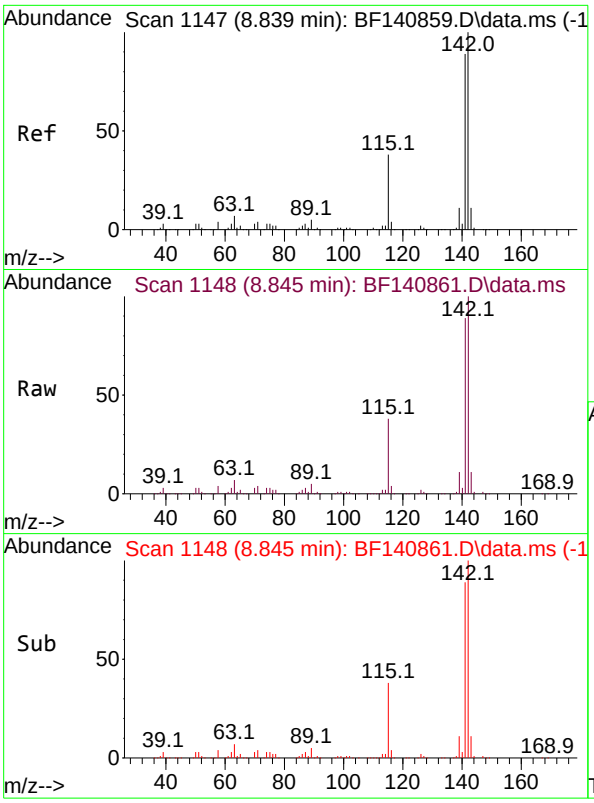




#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:107 Resp: 266211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.5 | 19.4 | 29.2 |
| 142 | 75.5 | 60.3 | 90.5 |



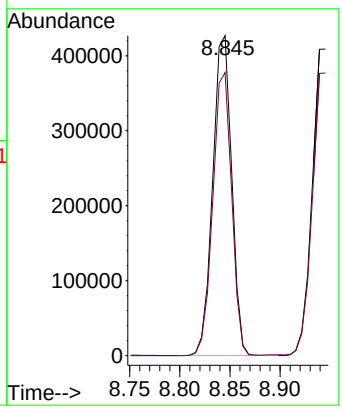


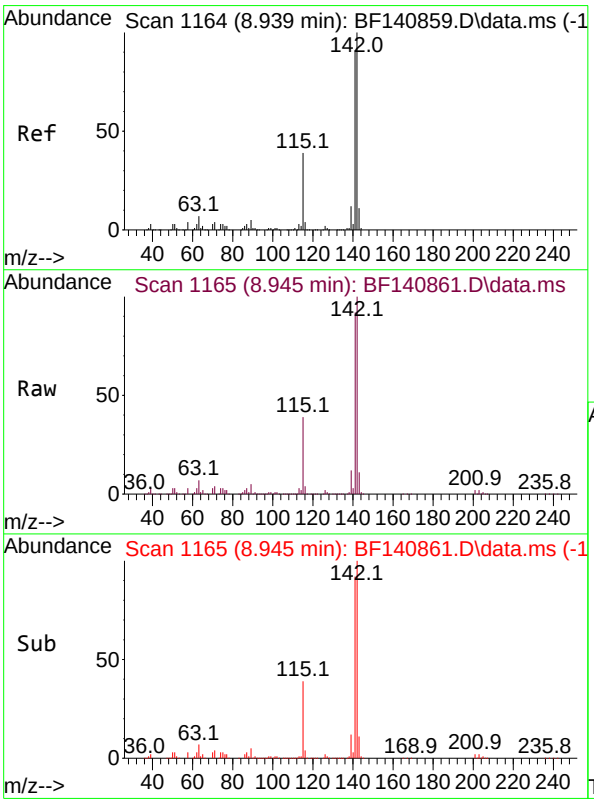

#37
2-Methylnaphthalene
Concen: 59.336 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 559572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.0 | 106.6 |

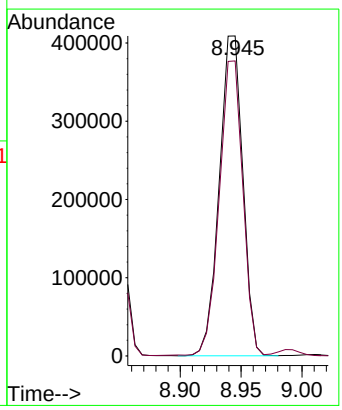


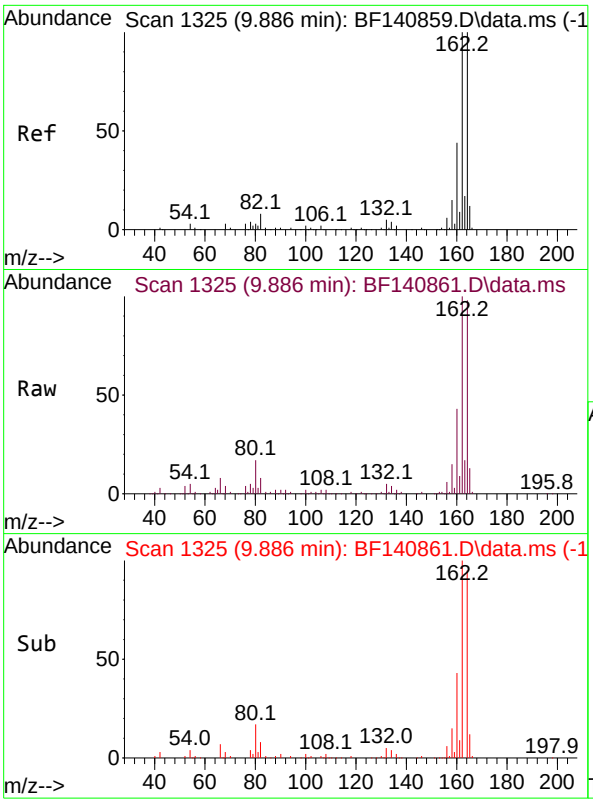




#38
1-Methylnaphthalene
Concen: 58.973 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:142 Resp: 550027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.4 | 110.0 |



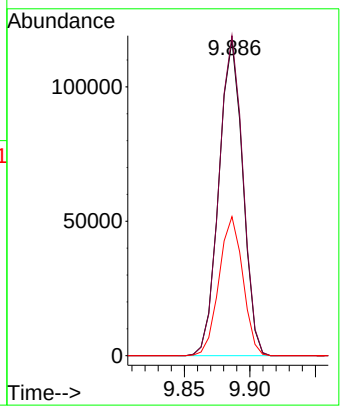


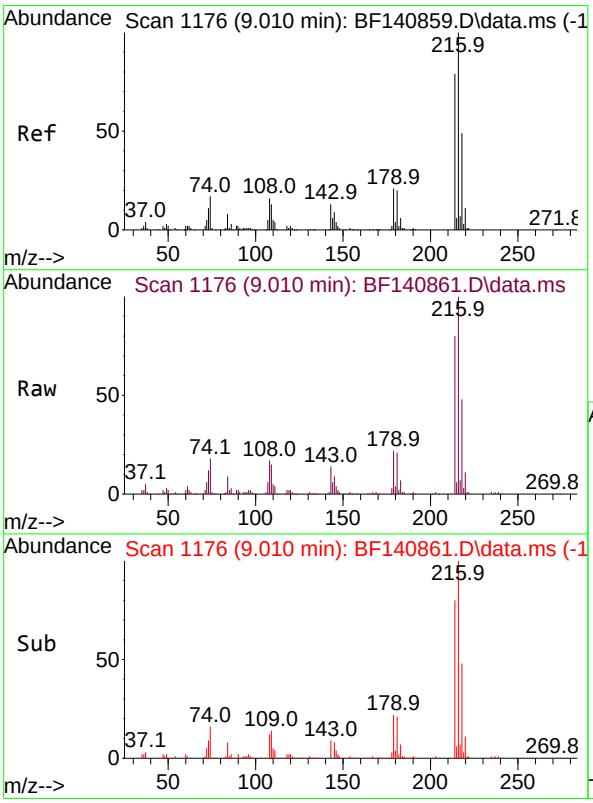

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 148549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 79.9 | 119.9 |
| 160 | 44.2 | 35.2 | 52.8 |

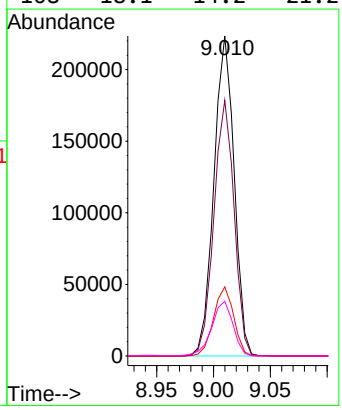


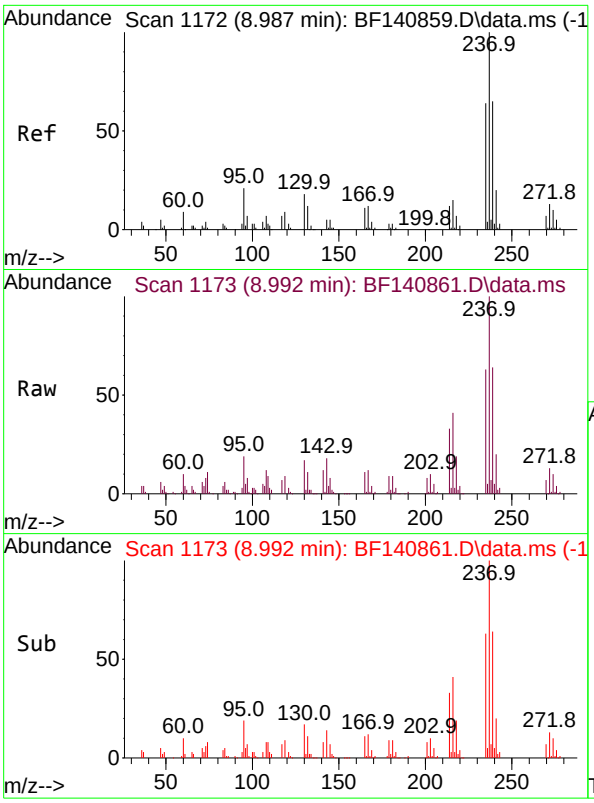




#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.686 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:216 Resp: 277082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 63.6 | 95.4 |
| 179 | 21.5 | 17.0 | 25.4 |
| 108 | 18.1 | 14.2 | 21.2 |



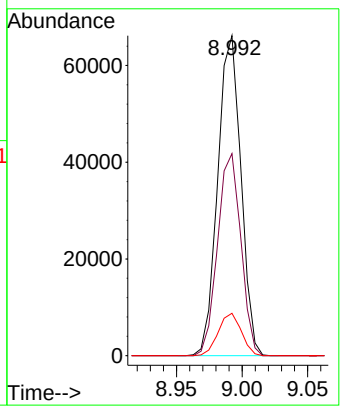


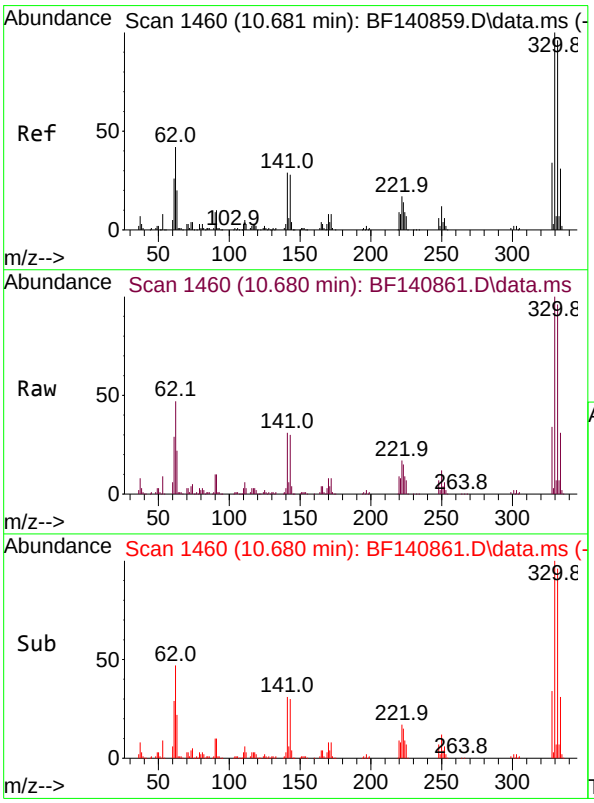

#41
Hexachlorocyclopentadiene
Concen: 60.032 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 81340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 43.7 | 83.7 |
| 272 | 13.2 | 0.0 | 32.9 |

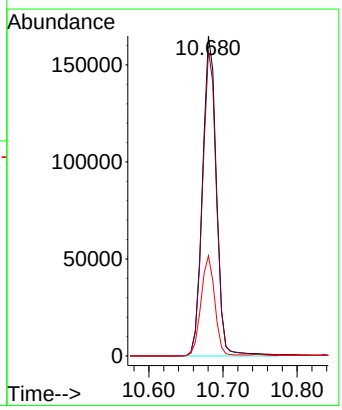


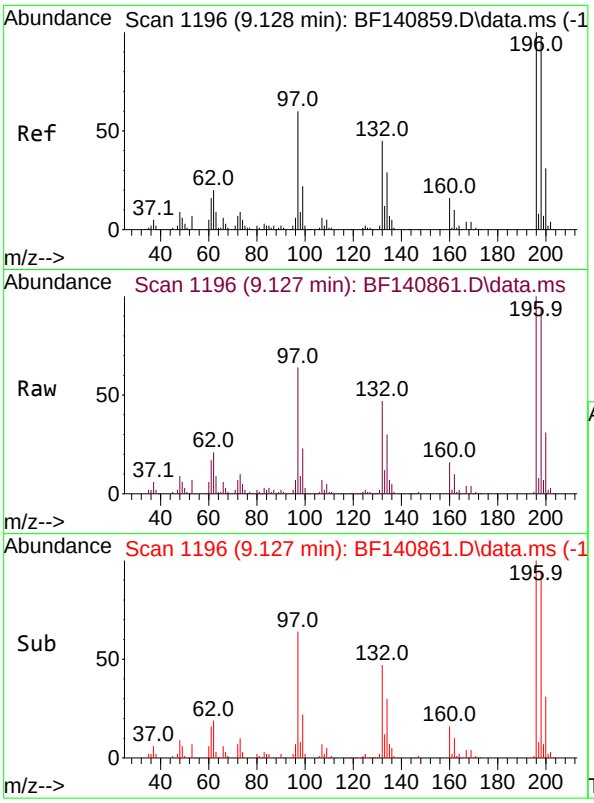




#42
2,4,6-Tribromophenol
Concen: 123.158 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:330 Resp: 216378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.2 | 114.4 |
| 141 | 30.9 | 24.9 | 37.3 |



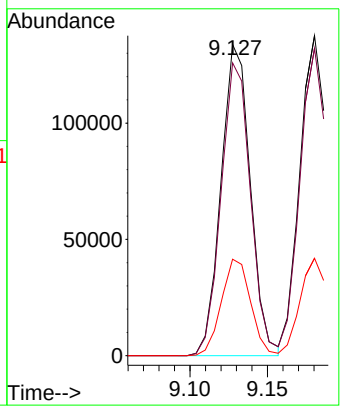


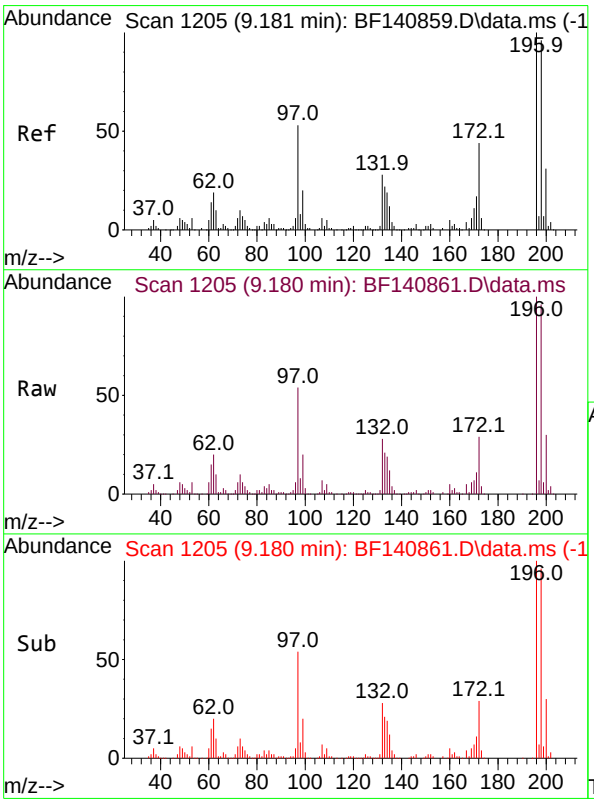

#43
2,4,6-Trichlorophenol
Concen: 63.005 ng
RT: 9.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 176148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.1 | 77.4 | 116.0 |
| 200 | 31.0 | 24.5 | 36.7 |

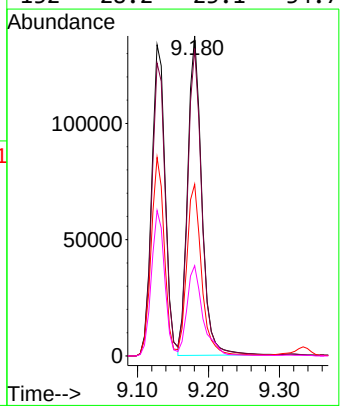


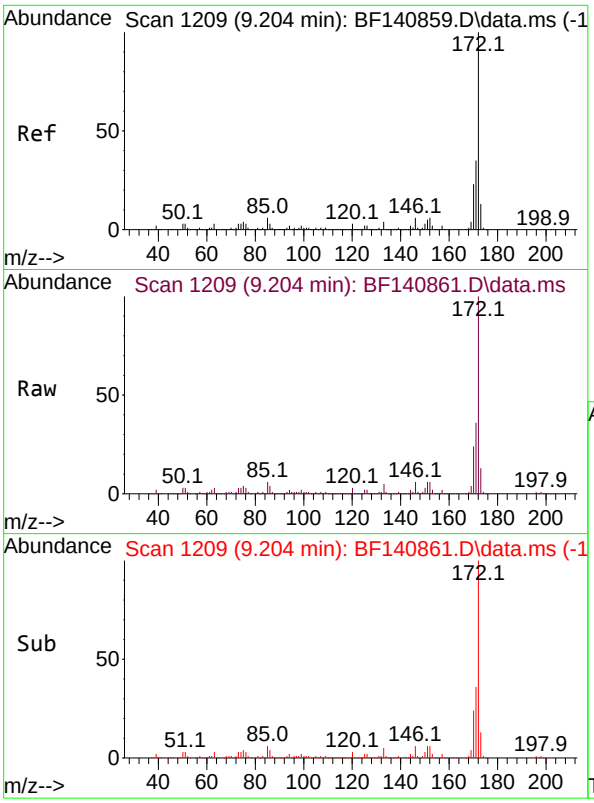




#44
2,4,5-Trichlorophenol
Concen: 61.766 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:196 Resp: 189802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 77.2 | 115.8 |
| 97 | 53.7 | 42.2 | 63.4 |
| 132 | 28.2 | 23.1 | 34.7 |



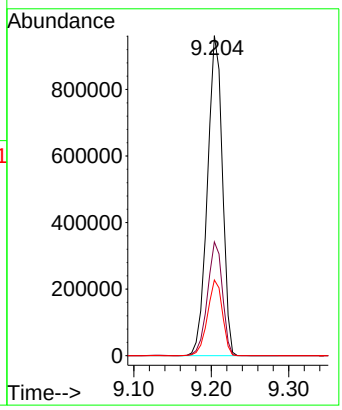


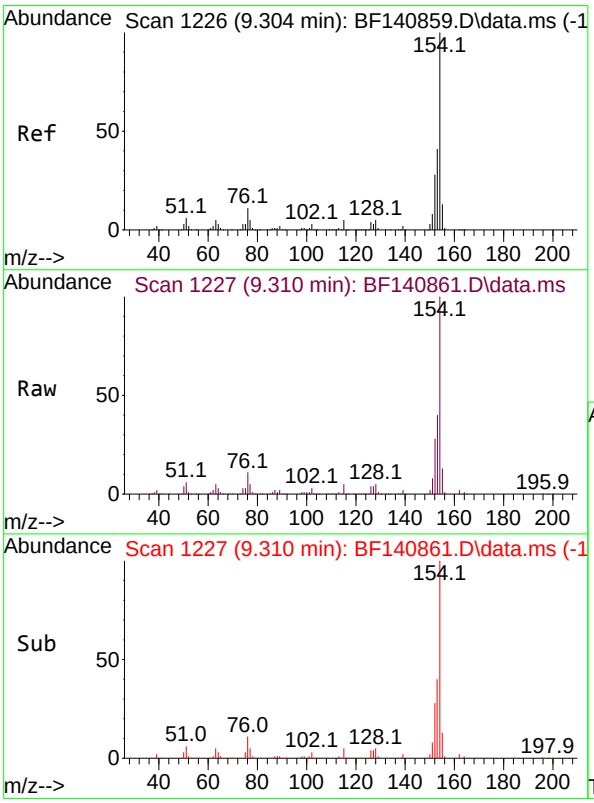

#45
2-Fluorobiphenyl
Concen: 119.184 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 1287749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.4 | 42.6 |
| 170 | 23.6 | 18.6 | 28.0 |

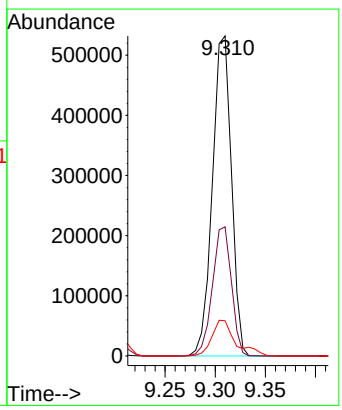


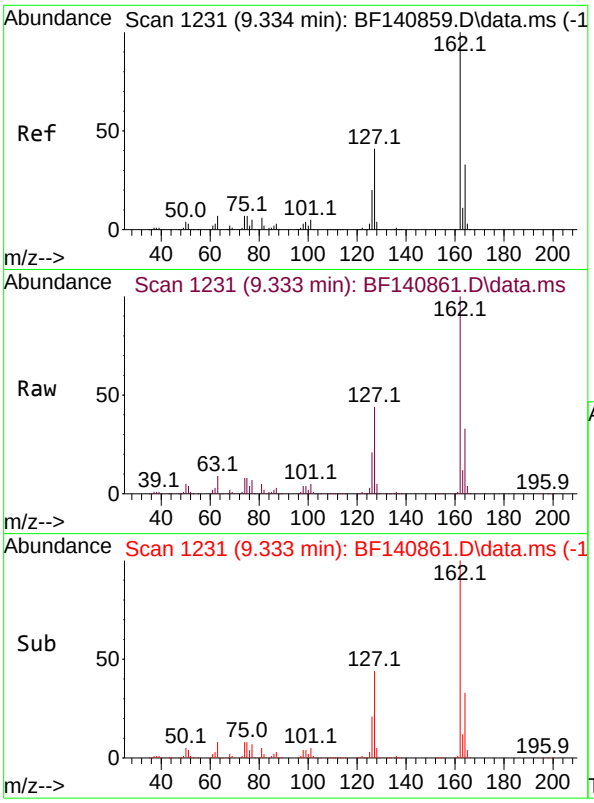




#46
1,1'-Biphenyl
Concen: 59.429 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:154 Resp: 701999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.8 | 60.8 |
| 76 | 11.0 | 0.0 | 31.0 |



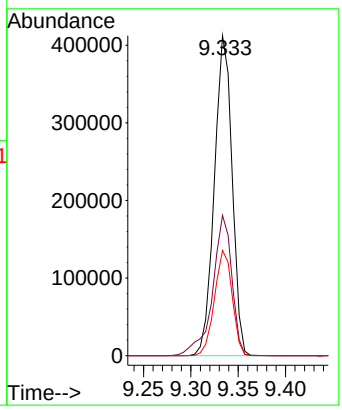


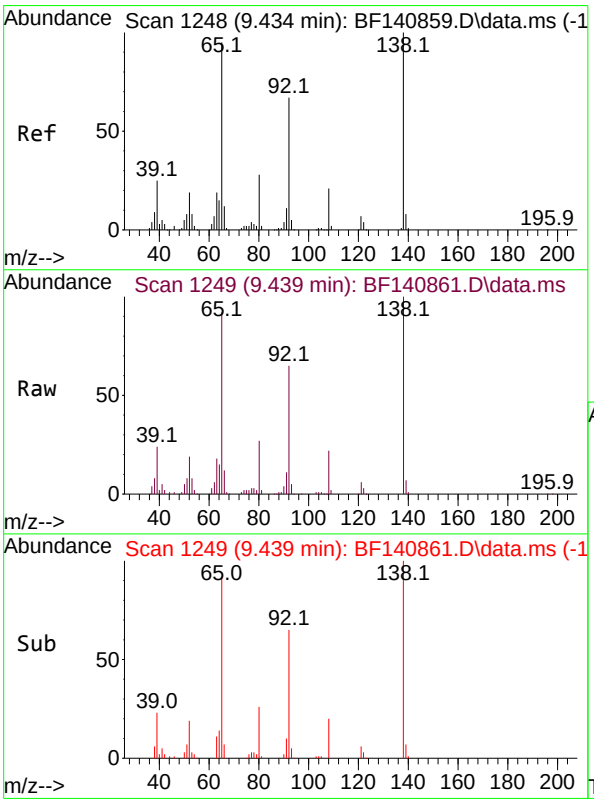

#47
2-Chloronaphthalene
Concen: 59.491 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 537602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.9 | 33.5 | 50.3 |
| 164 | 32.9 | 26.2 | 39.2 |

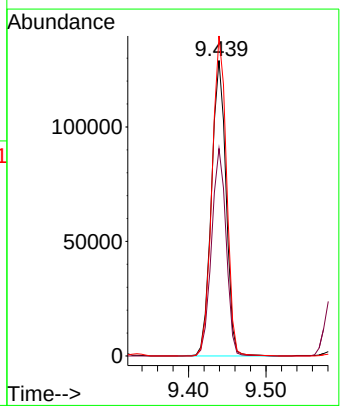


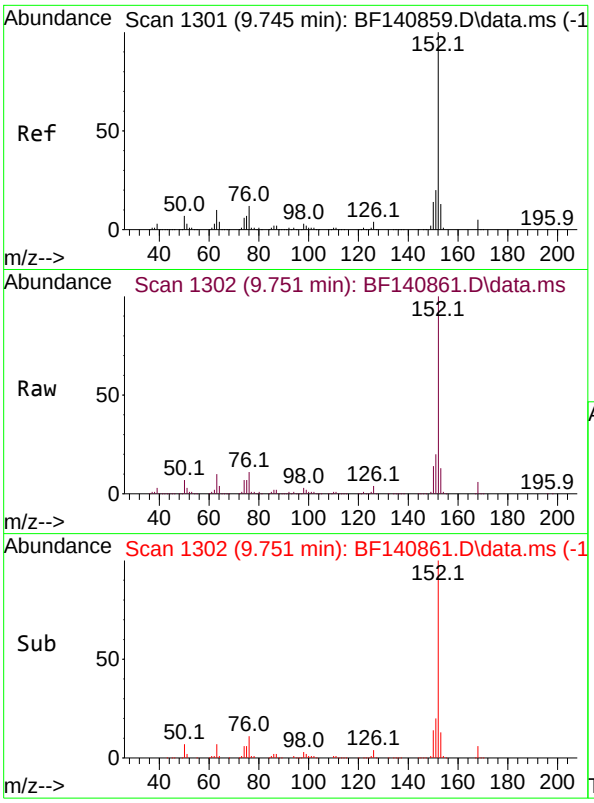




#48
2-Nitroaniline
Concen: 61.695 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 65 Resp: 168378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.2 | 56.3 | 84.5 |
| 138 | 108.3 | 83.8 | 125.6 |



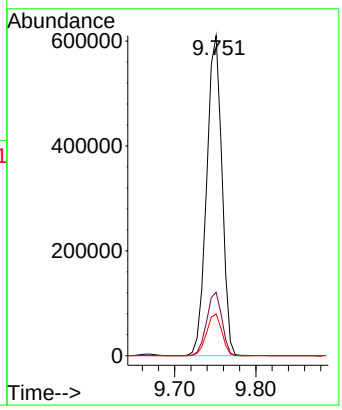


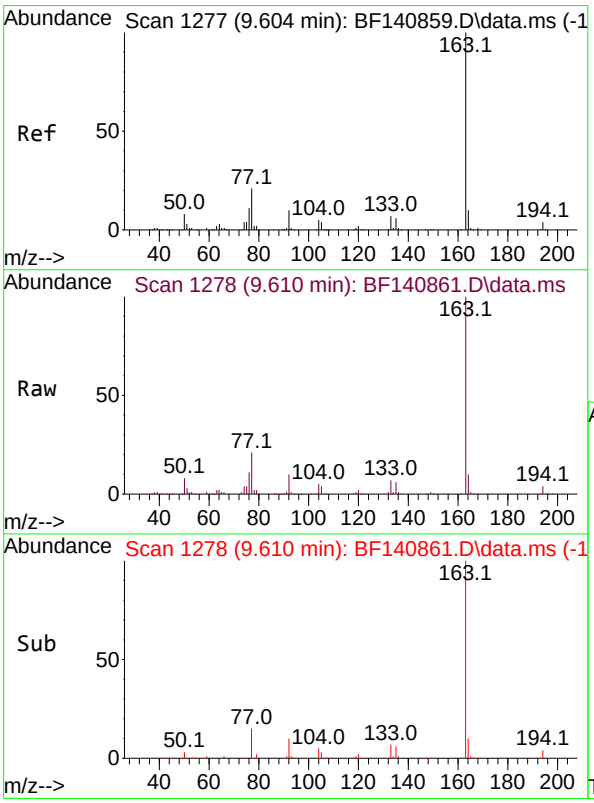

#49
Acenaphthylene
Concen: 59.836 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 794616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |

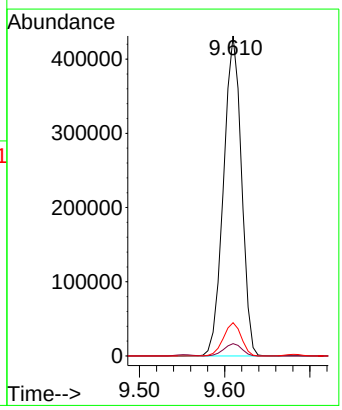


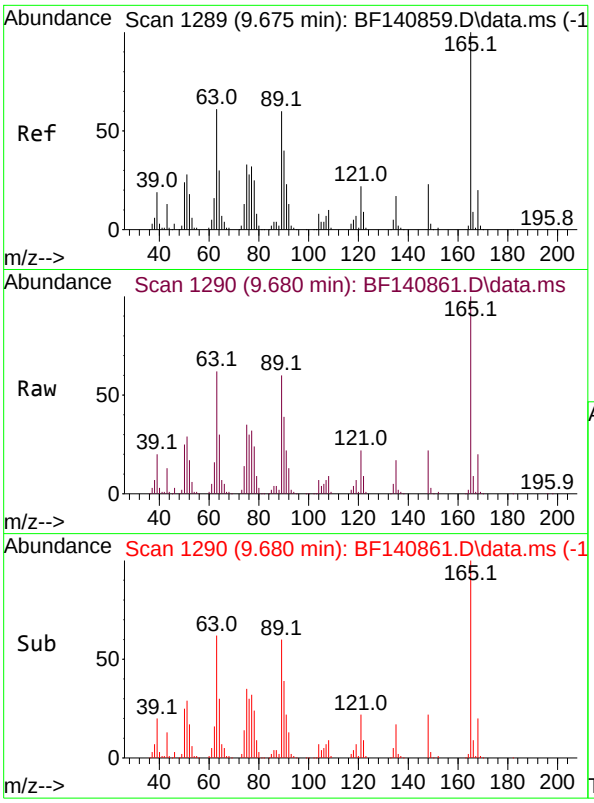




#50
Dimethylphthalate
Concen: 60.305 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:163 Resp: 631578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.4 | 8.1 | 12.1 |



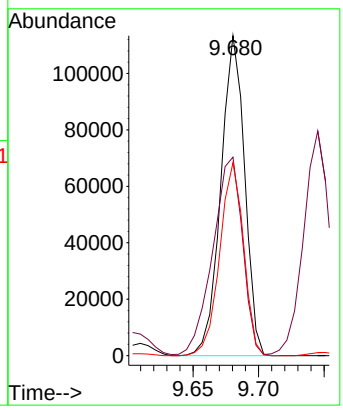


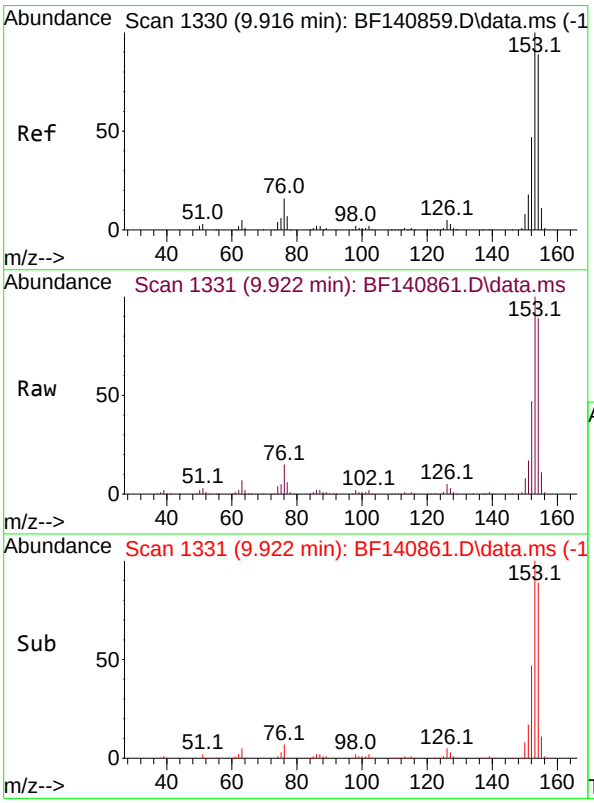

#51
2,6-Dinitrotoluene
Concen: 59.771 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 143106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.1 | 49.7 | 74.5 |
| 89 | 60.3 | 48.2 | 72.4 |

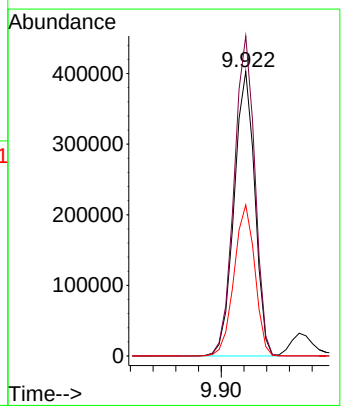


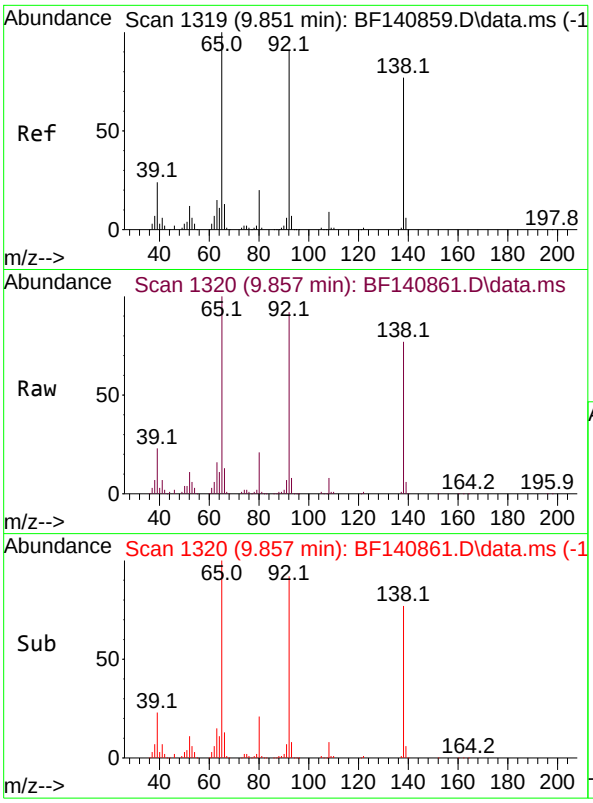




#52
Acenaphthene
Concen: 60.297 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:154 Resp: 511499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.9 | 134.9 |
| 152 | 53.1 | 42.6 | 63.8 |



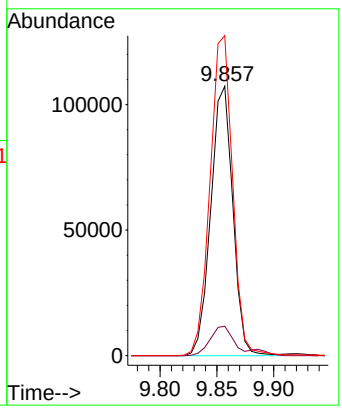


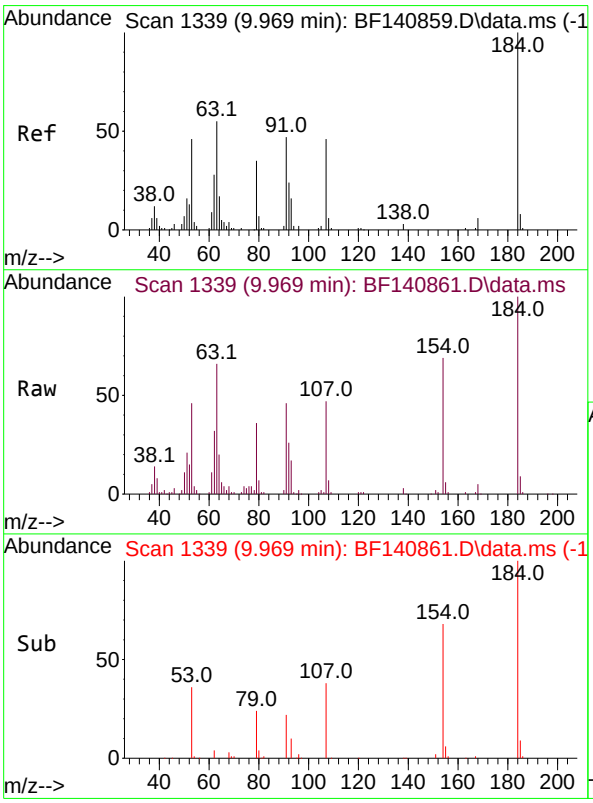

#53
3-Nitroaniline
Concen: 60.971 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 144867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 9.0 | 13.4 |
| 92 | 118.7 | 95.5 | 143.3 |

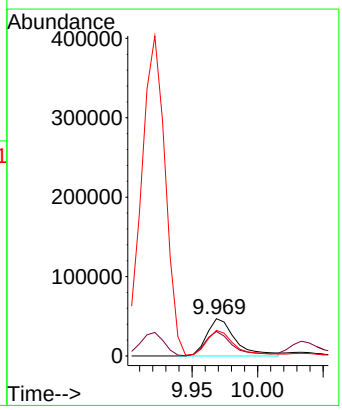


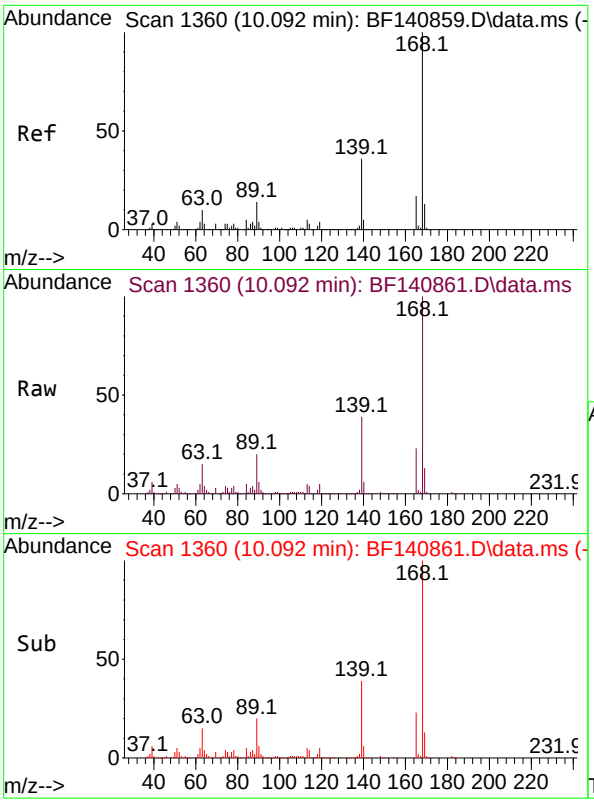




#54
2,4-Dinitrophenol
Concen: 62.619 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:184 Resp: 71344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.5 | 51.6 | 77.4 |
| 154 | 68.7 | 56.1 | 84.1 |



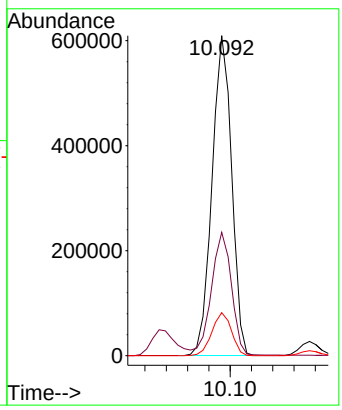


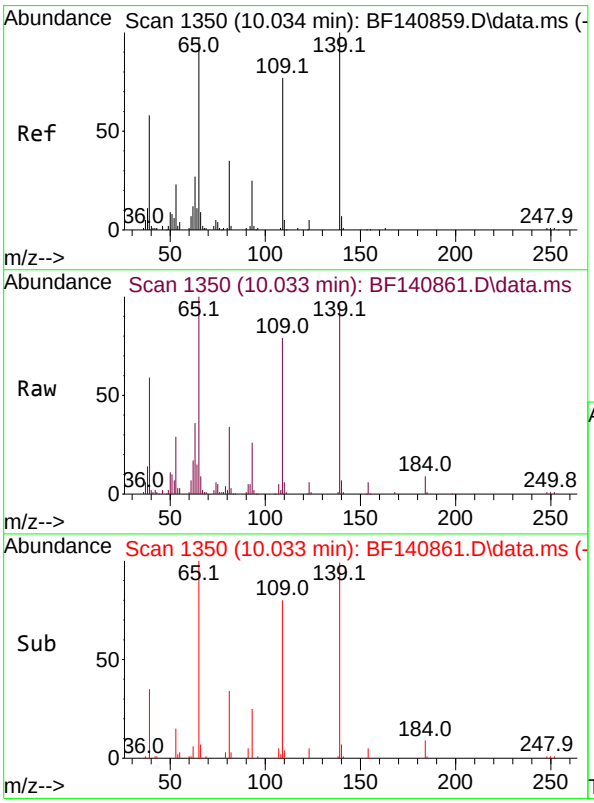

#55
Dibenzofuran
Concen: 59.193 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 778085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 31.1 | 46.7 |
| 169 | 13.5 | 10.6 | 16.0 |

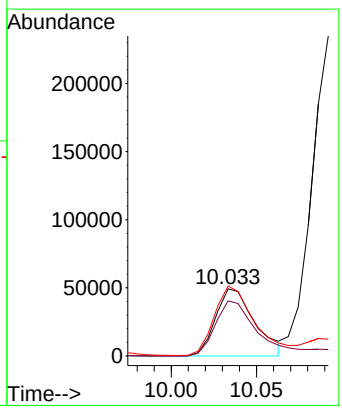


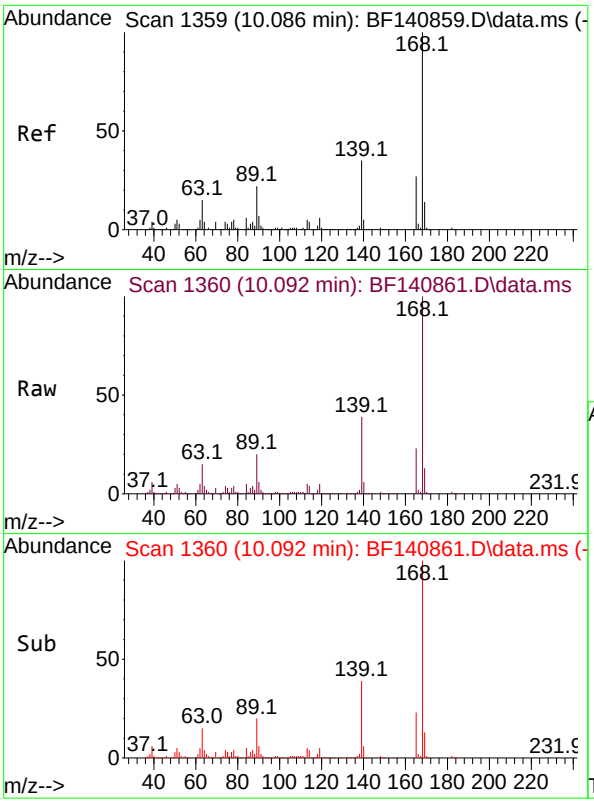




#56
4-Nitrophenol
Concen: 62.429 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:139 Resp: 78468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.8 | 56.7 | 96.7 |
| 65 | 104.1 | 78.1 | 118.1 |



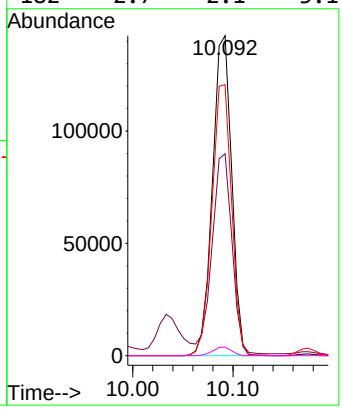


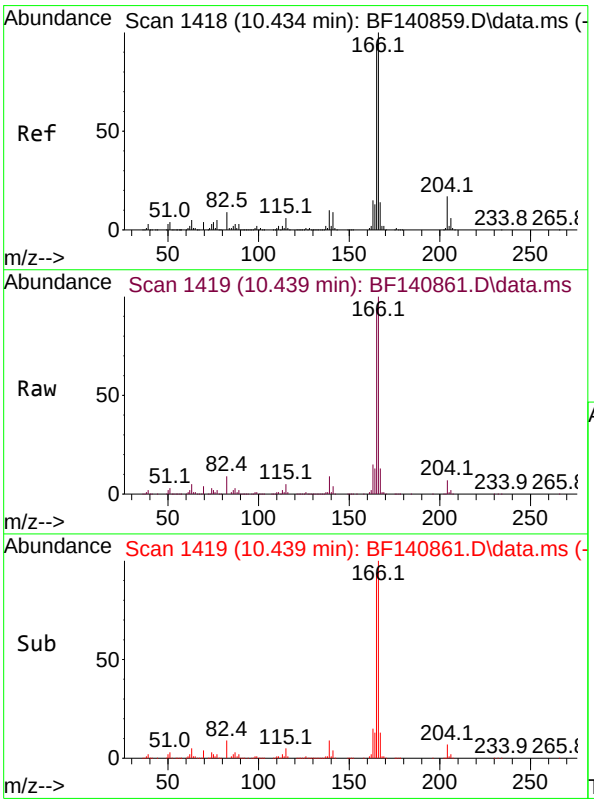

#57
2,4-Dinitrotoluene
Concen: 60.246 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 189784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.1 | 49.3 | 73.9 |
| 89 | 84.7 | 66.2 | 99.4 |
| 182 | 2.7 | 2.1 | 3.1 |

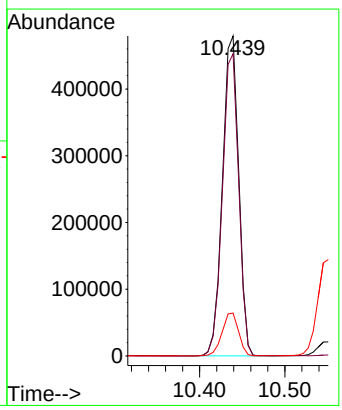


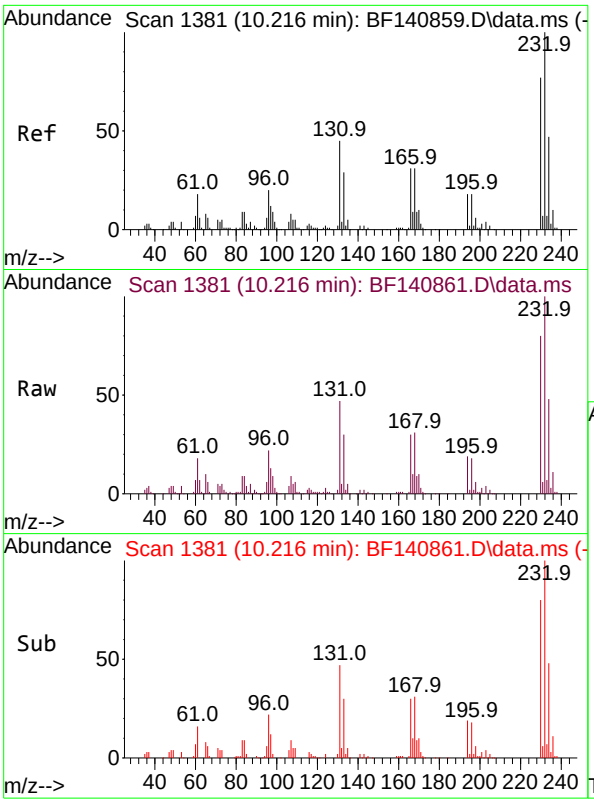




#58
Fluorene
Concen: 58.546 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:166 Resp: 634898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.5 | 75.1 | 112.7 |
| 167 | 13.4 | 11.1 | 16.7 |



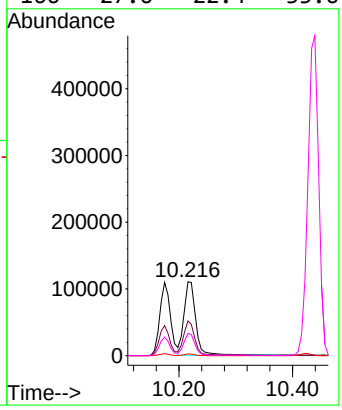


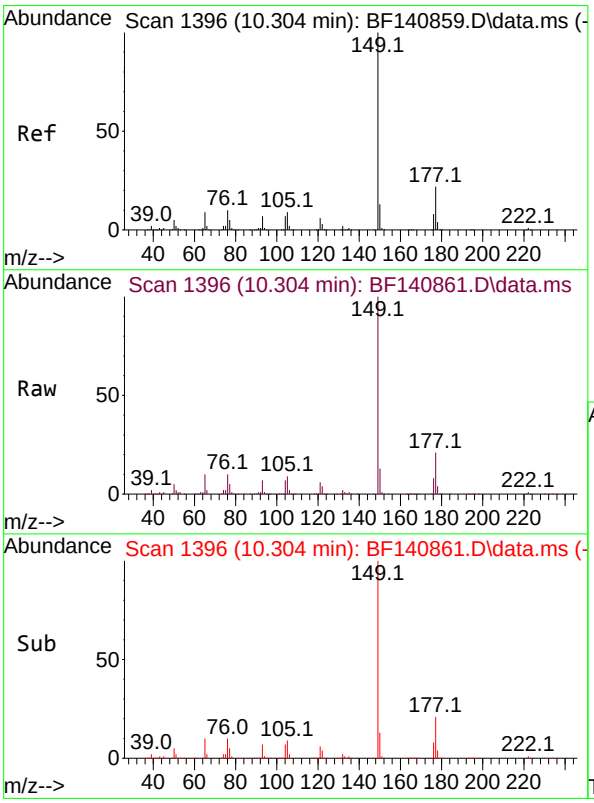

#59
2,3,4,6-Tetrachlorophenol
Concen: 63.281 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 158455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.1 | 52.7 |
| 130 | 2.2 | 1.8 | 2.8 |
| 166 | 27.6 | 22.4 | 33.6 |

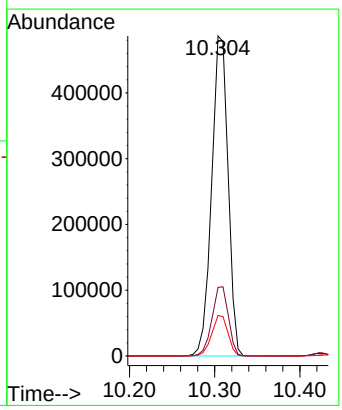


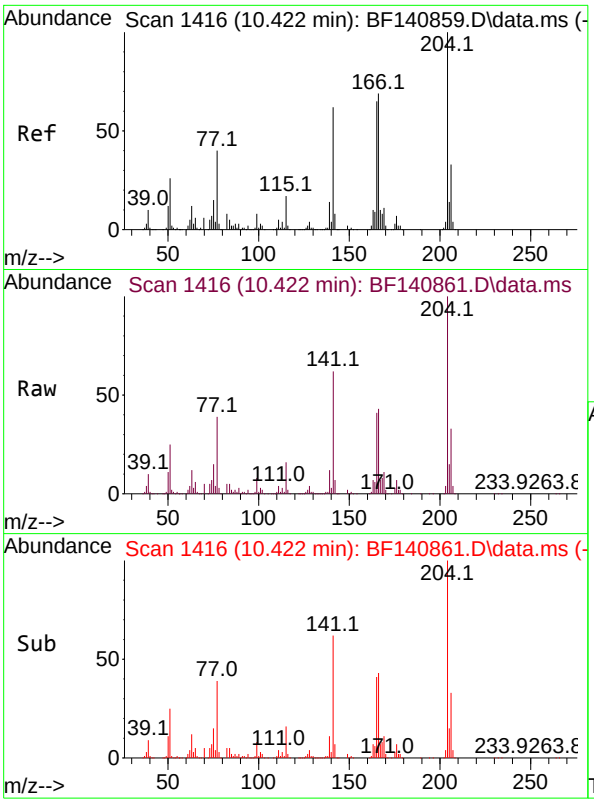




#60
Diethylphthalate
Concen: 59.961 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 651190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 17.2 | 25.8 |
| 150 | 12.6 | 10.1 | 15.1 |



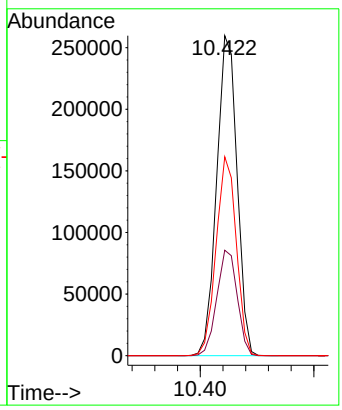


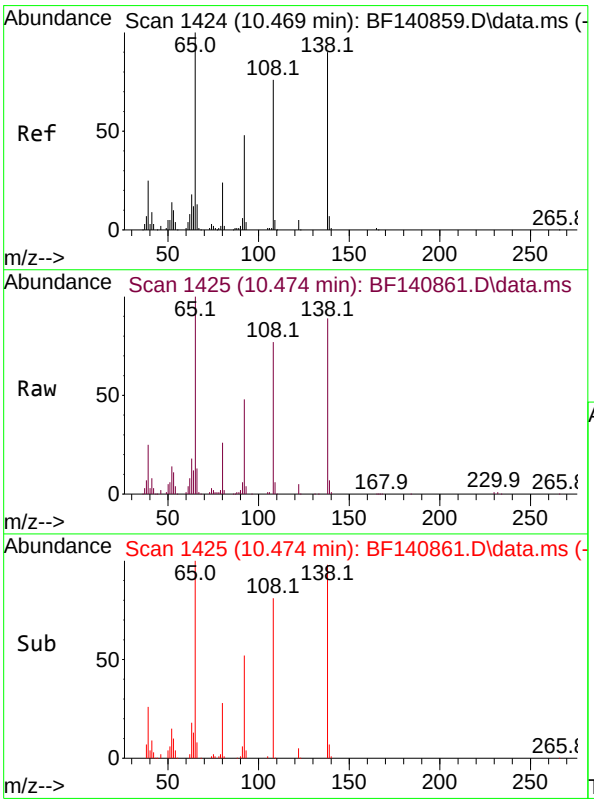

#61
4-Chlorophenyl-phenylether
Concen: 59.539 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 324333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.5 | 39.7 |
| 141 | 62.1 | 50.0 | 75.0 |

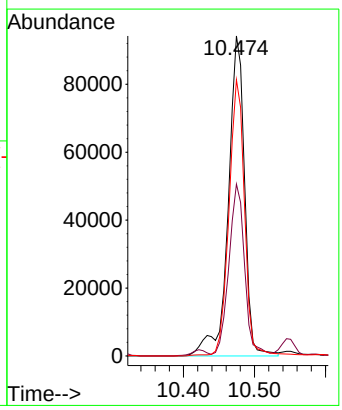


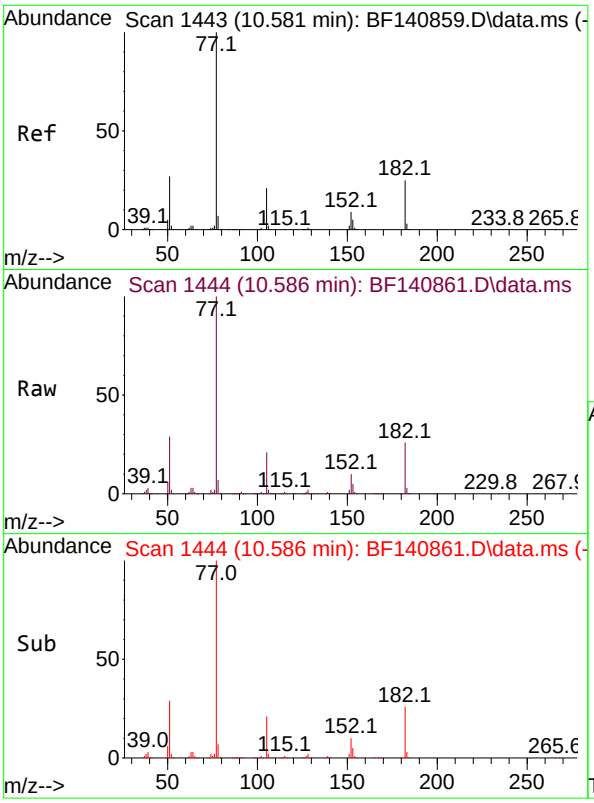




#62
4-Nitroaniline
Concen: 60.812 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:138 Resp: 150990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.7 | 32.6 | 72.6 |
| 108 | 86.3 | 64.1 | 104.1 |



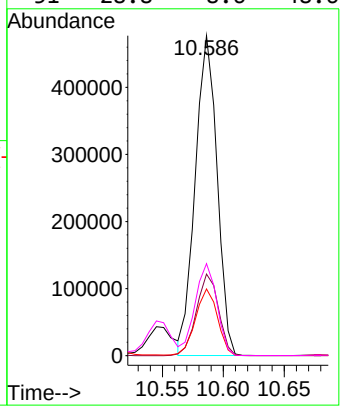


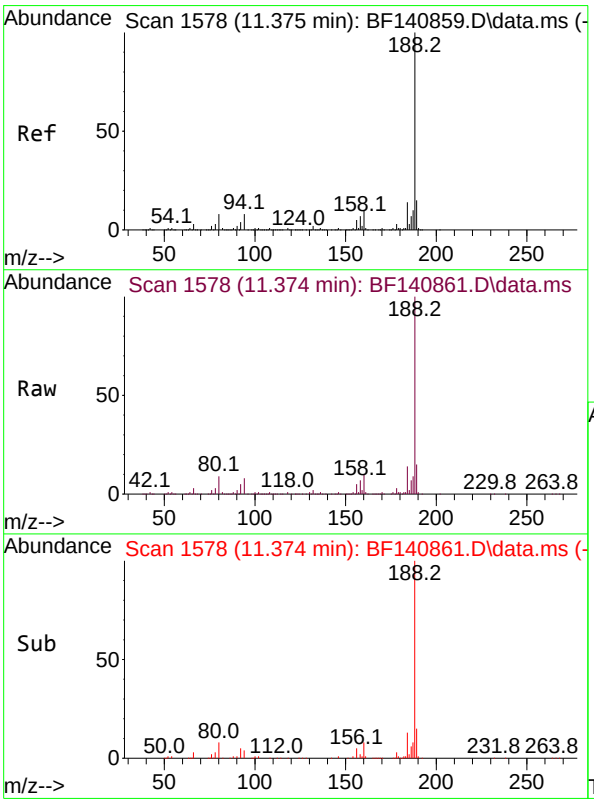

#63
Azobenzene
Concen: 58.245 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 594674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.5 | 4.5 | 44.5 |
| 105 | 20.8 | 0.9 | 40.9 |
| 51 | 28.8 | 8.6 | 48.6 |

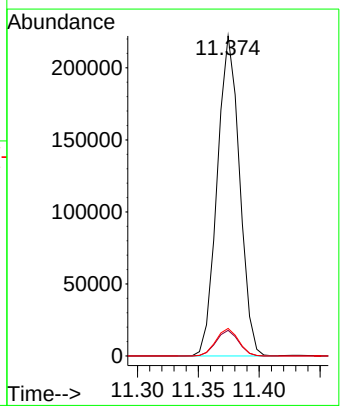


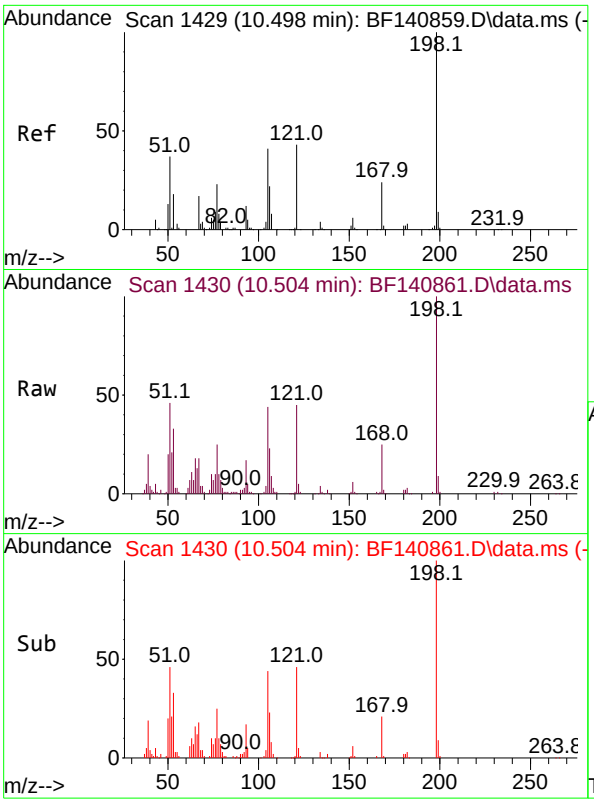




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:188 Resp: 283911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.4 | 9.6 |
| 80 | 8.6 | 6.8 | 10.2 |



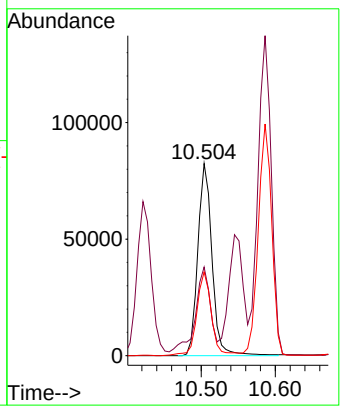


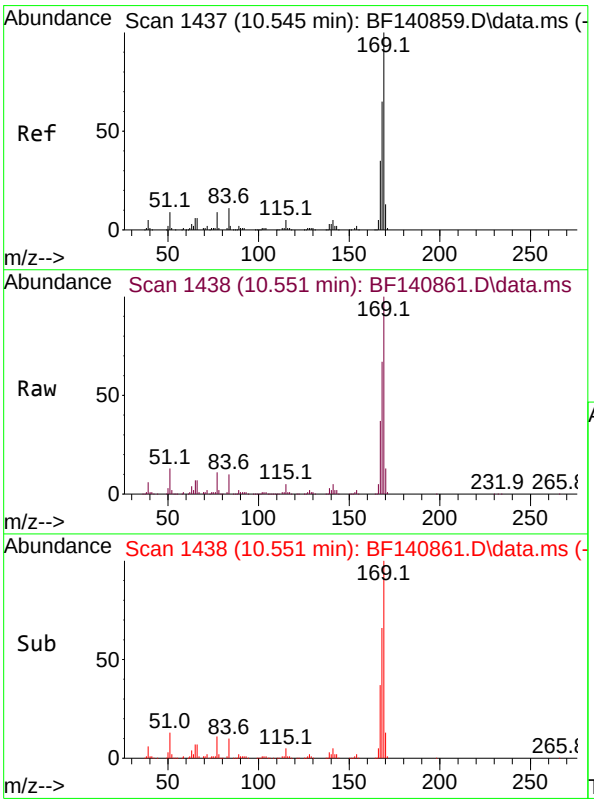

#65
4,6-Dinitro-2-methylphenol
Concen: 68.263 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 109821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.2 | 24.4 | 64.4 |
| 105 | 43.6 | 22.1 | 62.1 |

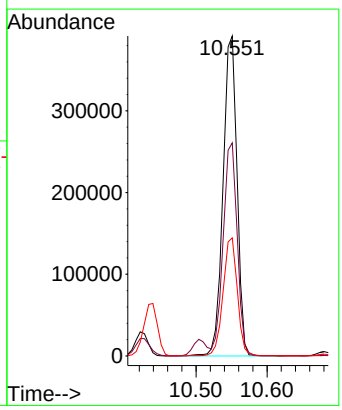


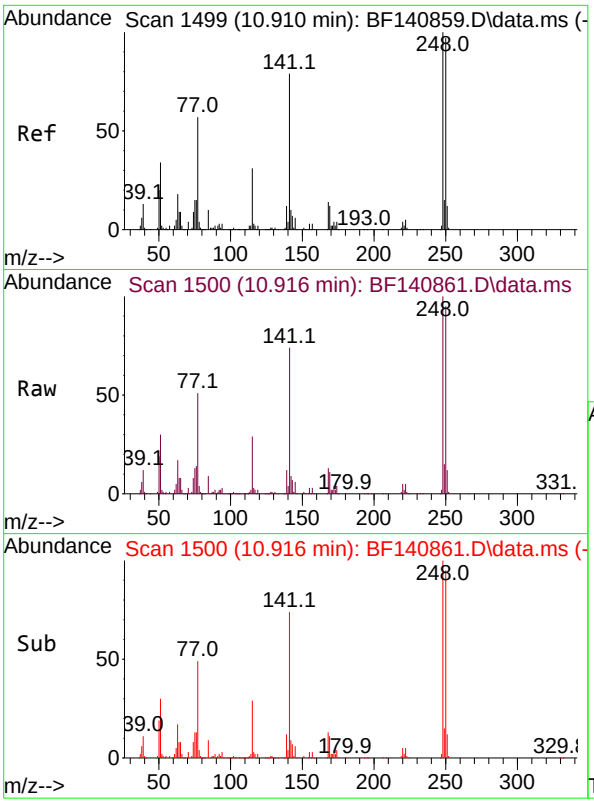




#66
n-Nitrosodiphenylamine
Concen: 61.058 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:169 Resp: 532978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.4 | 80.0 |
| 167 | 36.9 | 28.3 | 42.5 |



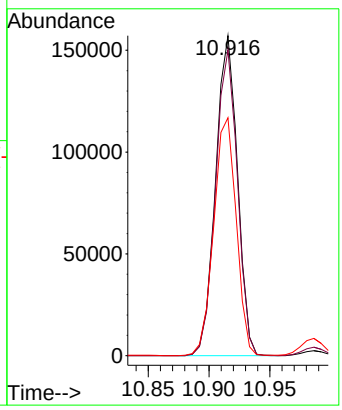


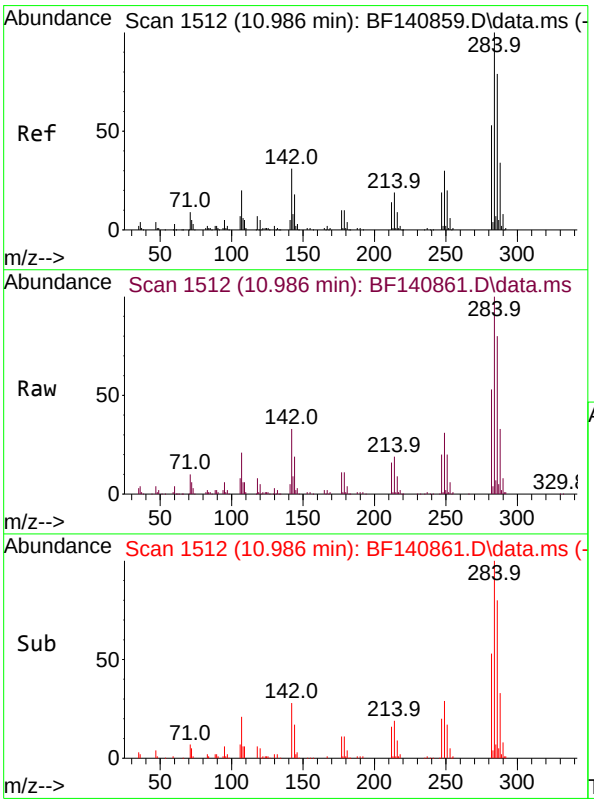

#67
4-Bromophenyl-phenylether
Concen: 61.907 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 196628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.5 | 77.4 | 116.2 |
| 141 | 74.3 | 62.9 | 94.3 |

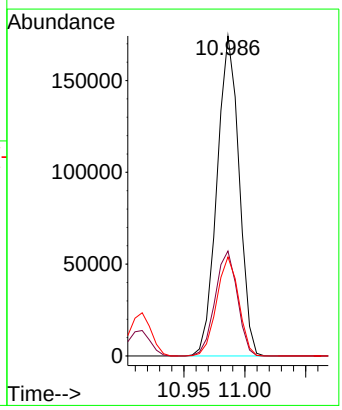


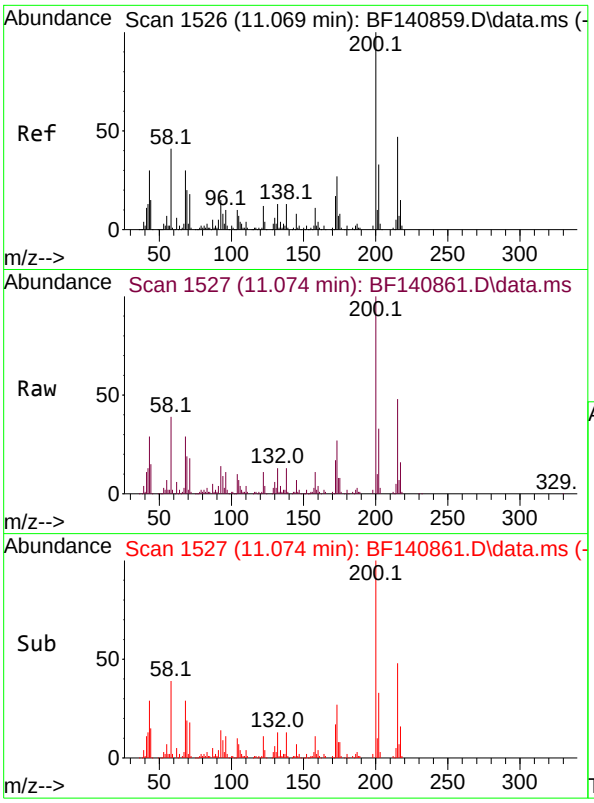




#68
Hexachlorobenzene
Concen: 61.005 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:284 Resp: 219687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.8 | 24.6 | 36.8 |
| 249 | 31.0 | 24.3 | 36.5 |



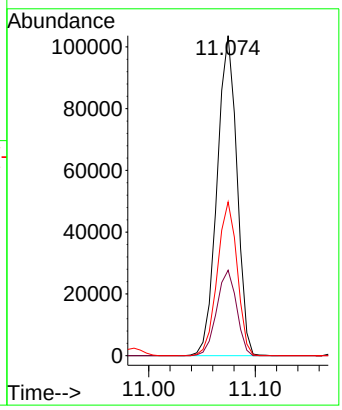


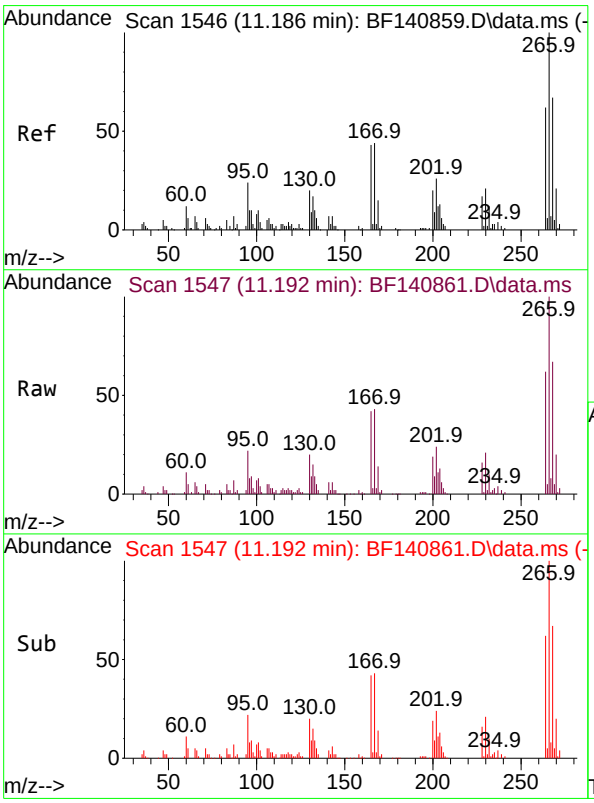

#69
Atrazine
Concen: 54.965 ng
RT: 11.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 134000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 6.6 | 46.6 |
| 215 | 48.1 | 26.7 | 66.7 |

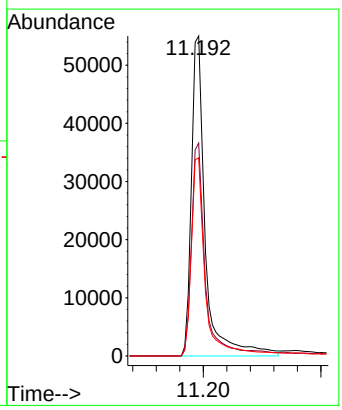


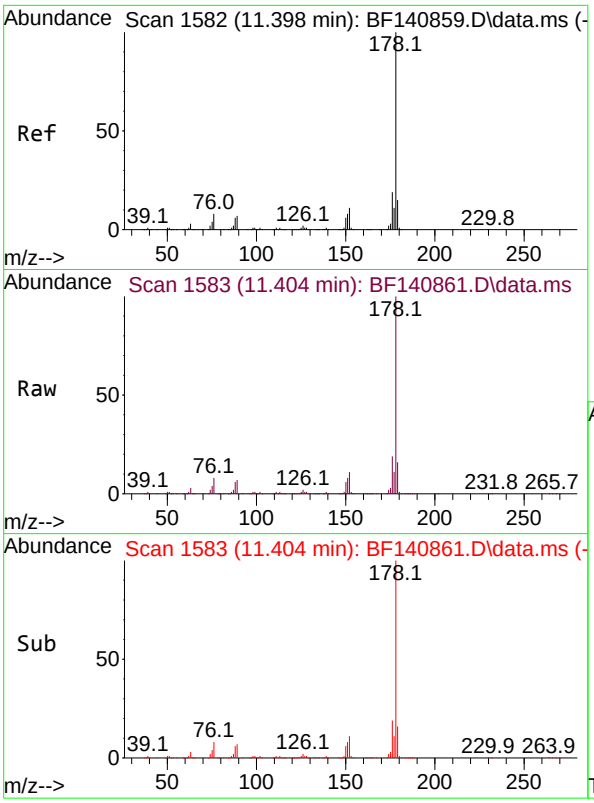




#70
Pentachlorophenol
Concen: 68.816 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:266 Resp: 90656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.6 | 54.0 | 81.0 |
| 264 | 62.0 | 49.4 | 74.2 |



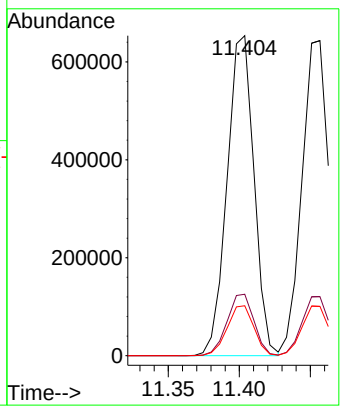


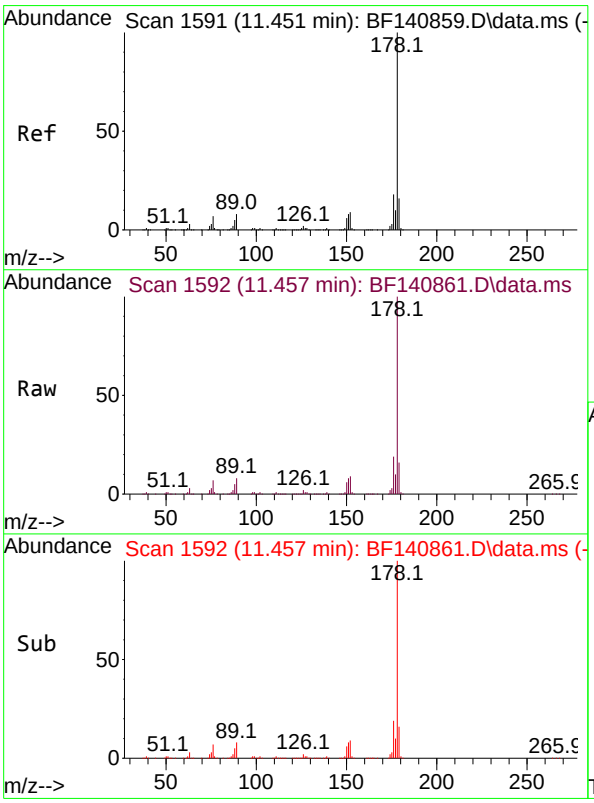

#71
Phenanthrene
Concen: 59.118 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 863112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.6 | 12.1 | 18.1 |

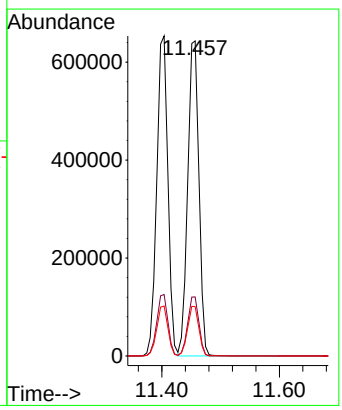


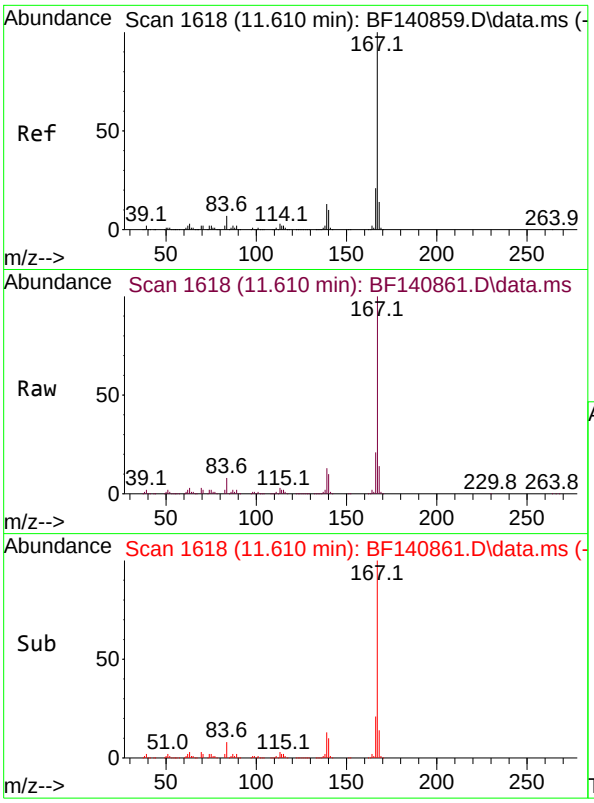




#72
Anthracene
Concen: 59.213 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:178 Resp: 851368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.6 | 22.0 |
| 179 | 15.6 | 12.6 | 18.8 |



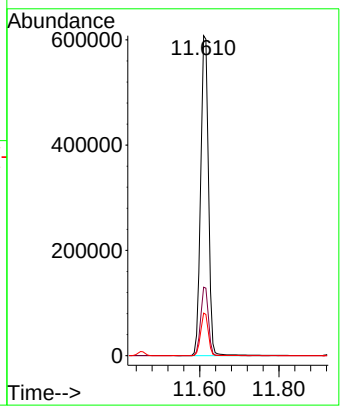


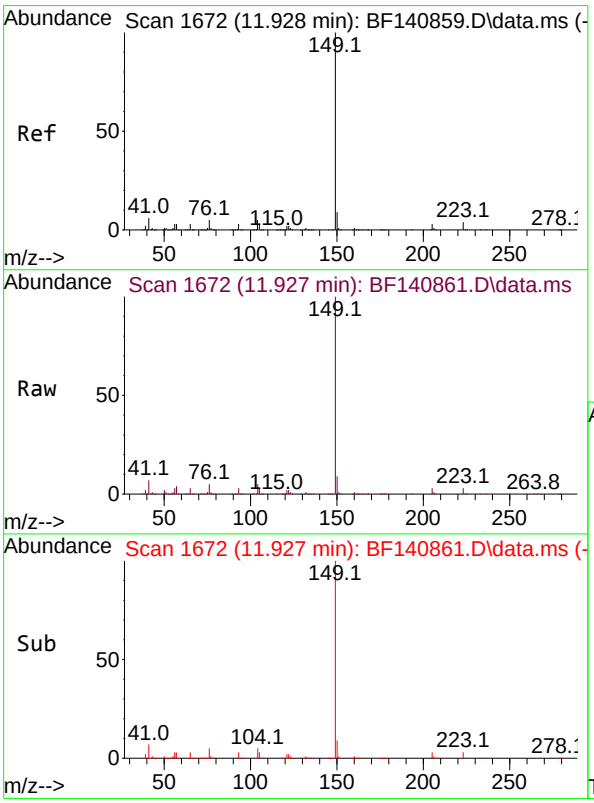

#73
Carbazole
Concen: 58.682 ng
RT: 11.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 826415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.6 |
| 139 | 13.3 | 10.2 | 15.2 |

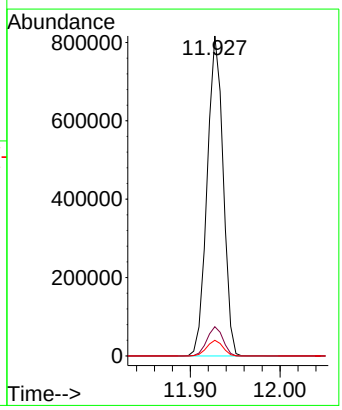


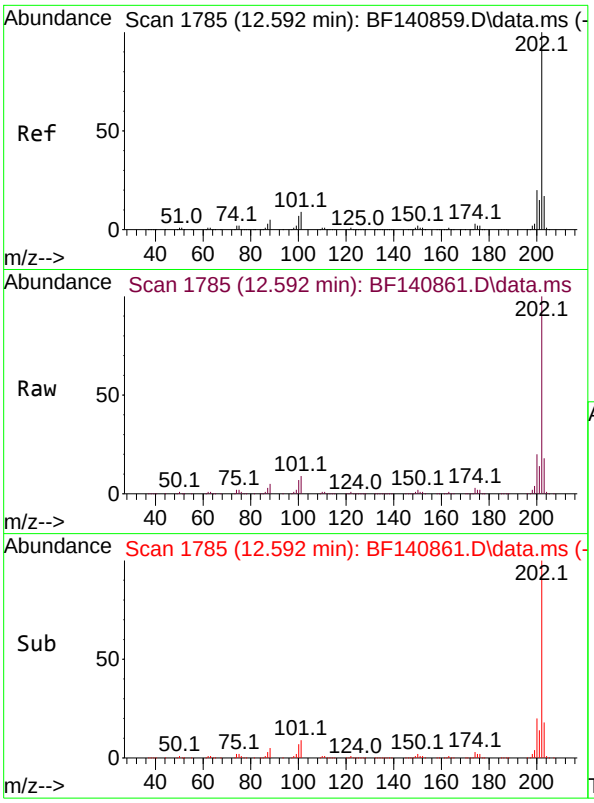




#74
Di-n-butylphthalate
Concen: 61.102 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 1009898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



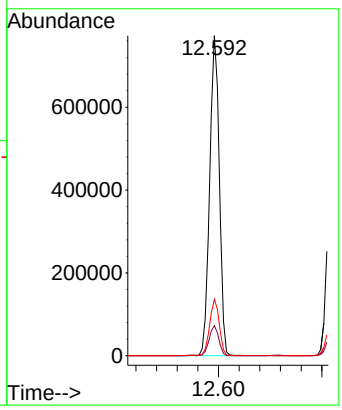


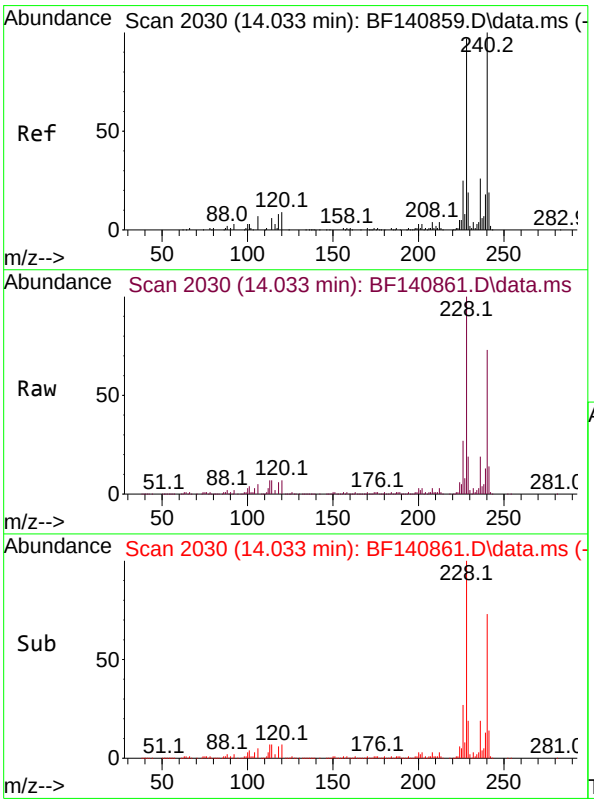

#75
Fluoranthene
Concen: 59.520 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 1000773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 29.3 |
| 203 | 17.5 | 0.0 | 37.4 |

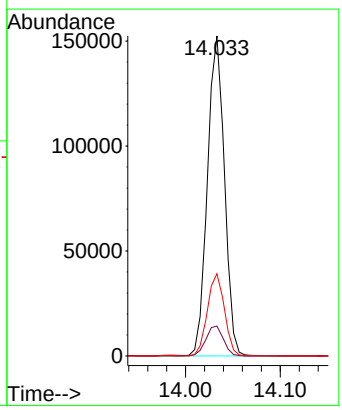


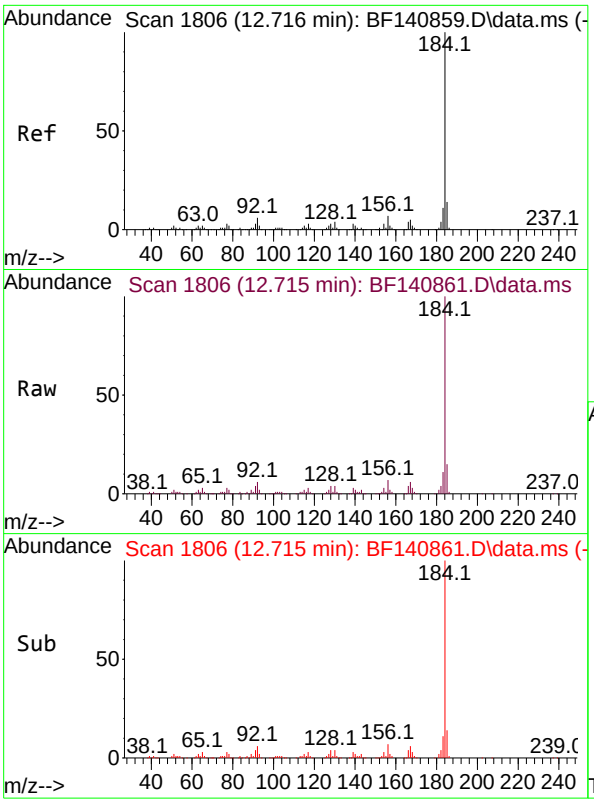




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:240 Resp: 189956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.3 | 7.6 | 11.4 |
| 236 | 25.7 | 20.5 | 30.7 |



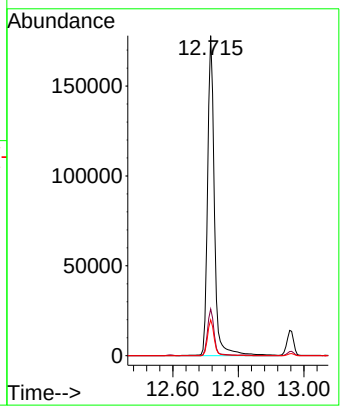


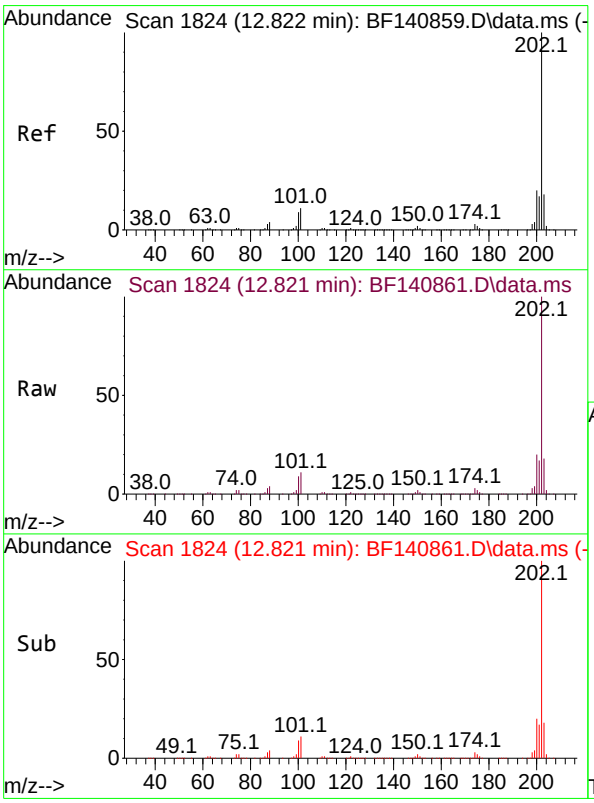

#77
Benzidine
Concen: 66.762 ng
RT: 12.715 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 258833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.1 | 16.7 |
| 183 | 11.2 | 9.0 | 13.4 |

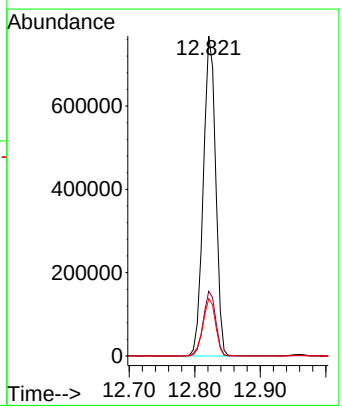


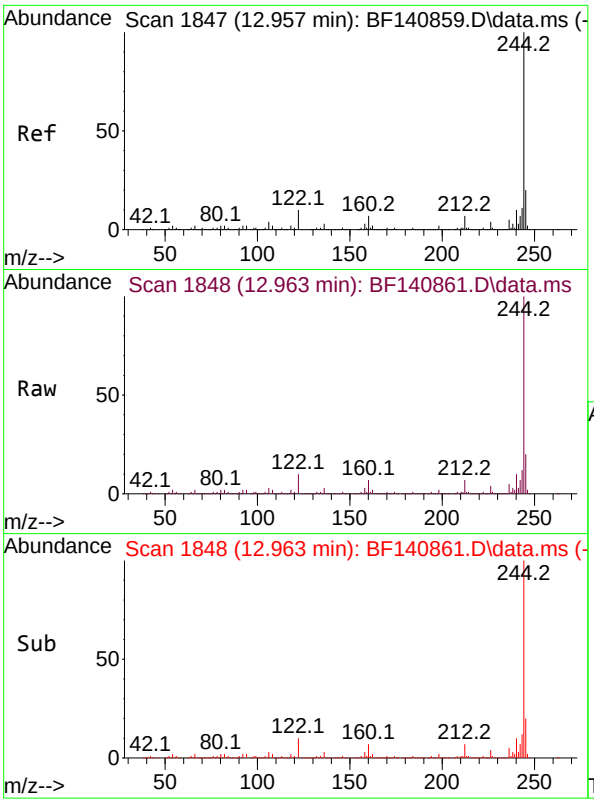




#78
Pyrene
Concen: 59.679 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:202 Resp: 1008093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 16.1 | 24.1 |
| 203 | 17.9 | 14.2 | 21.4 |



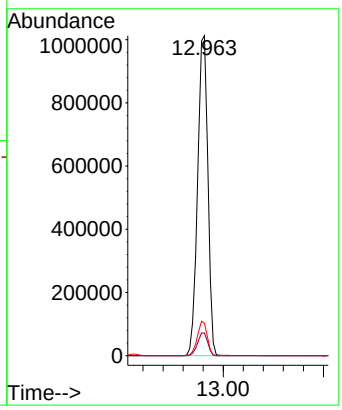


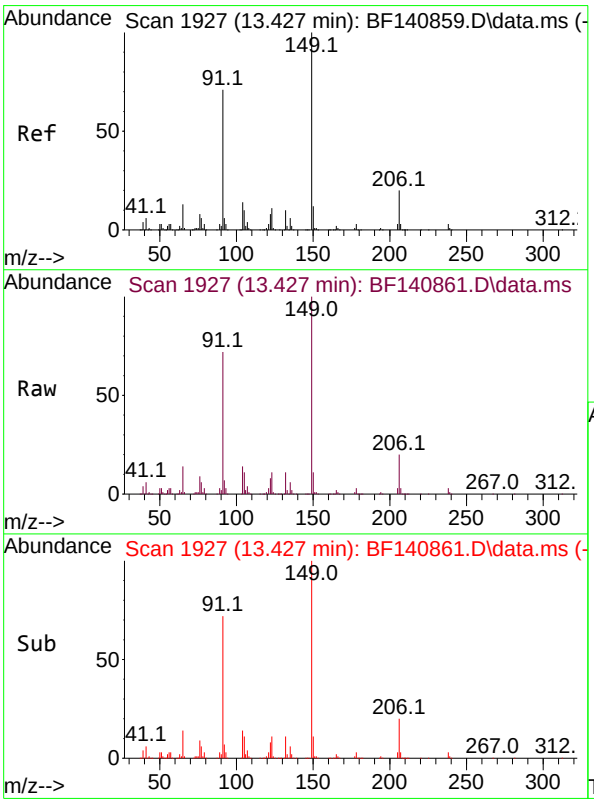

#79
Terphenyl-d14
Concen: 119.191 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp: 1435829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 10.2 | 8.2 | 12.2 |

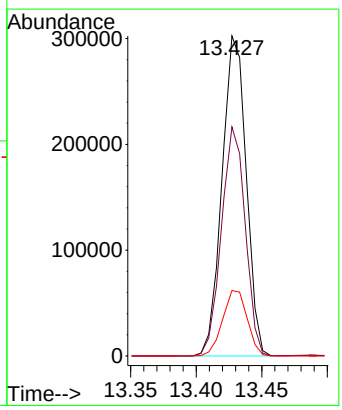


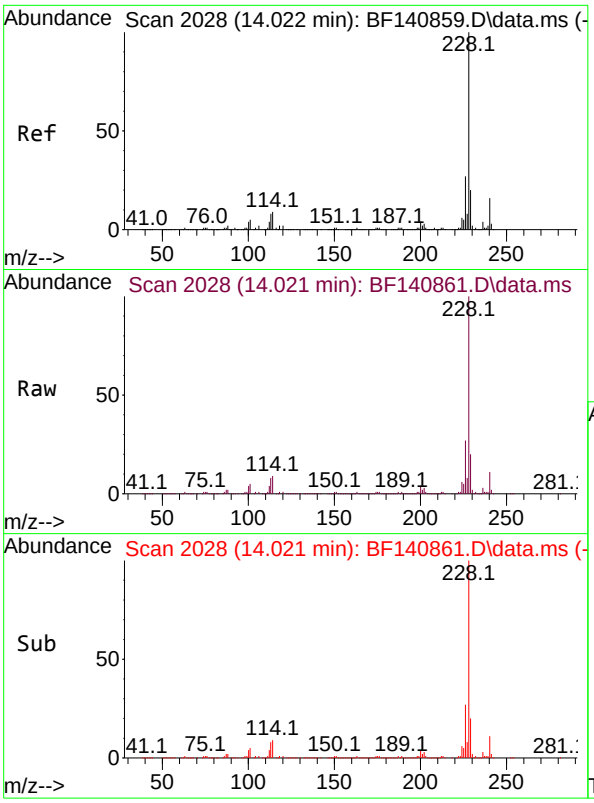




#80
Butylbenzylphthalate
Concen: 62.410 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 387906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.6 | 56.7 | 85.1 |
| 206 | 20.5 | 16.4 | 24.6 |



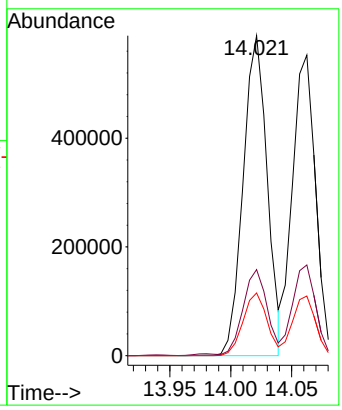


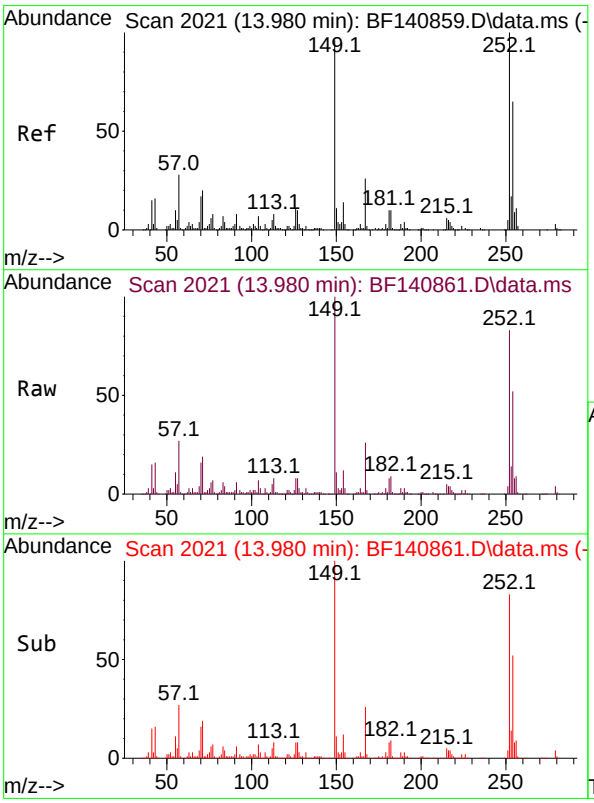

#81
Benzo(a)anthracene
Concen: 60.019 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 808026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |

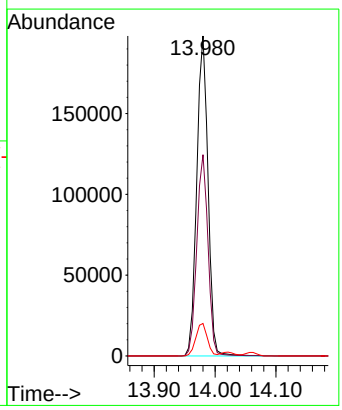


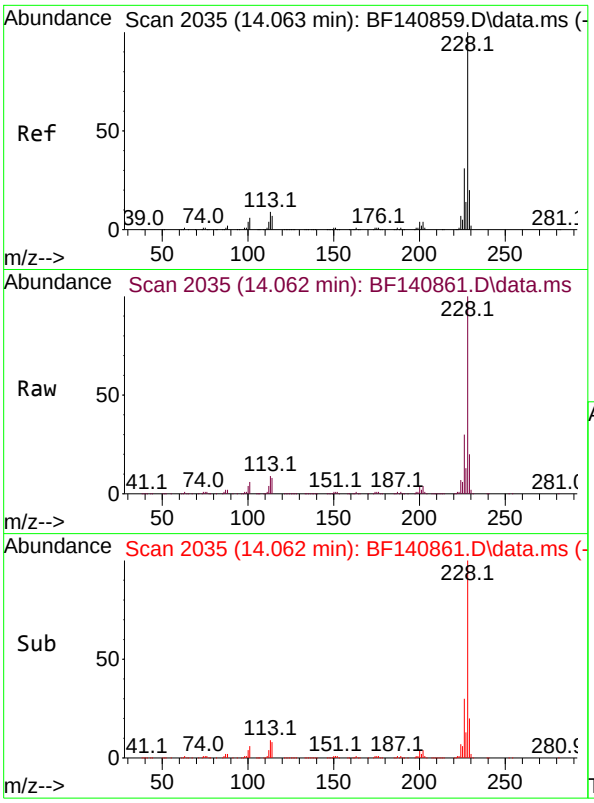




#82
3,3'-Dichlorobenzidine
Concen: 62.622 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:252 Resp: 254358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 62.9 | 52.3 | 78.5 |
| 126 | 10.2 | 8.4 | 12.6 |



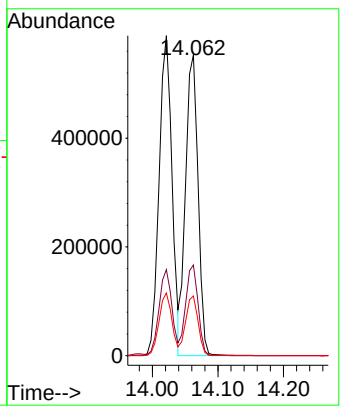


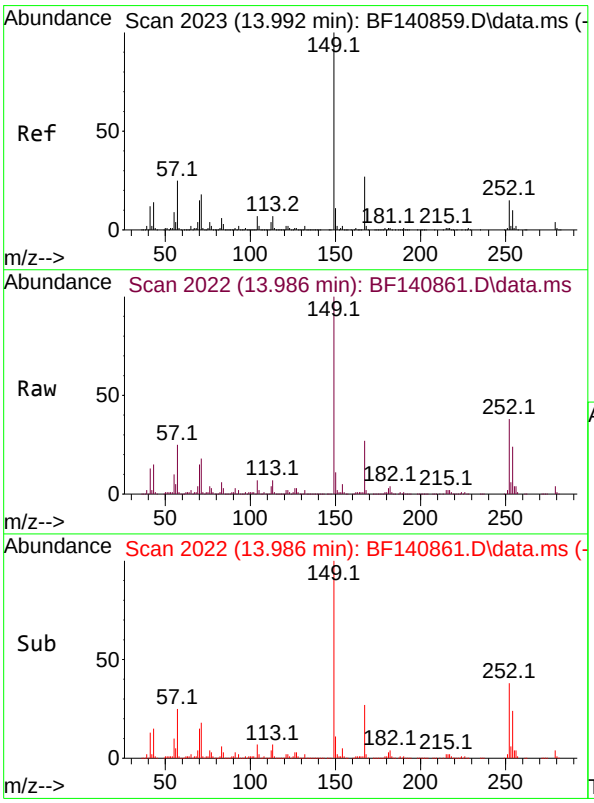

#83
Chrysene
Concen: 59.712 ng
RT: 14.062 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 731004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

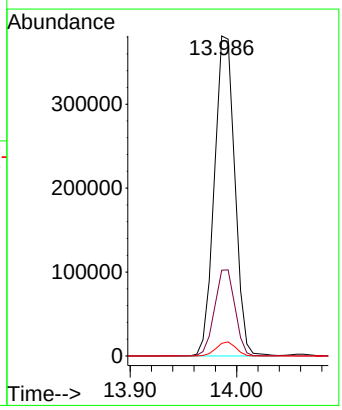


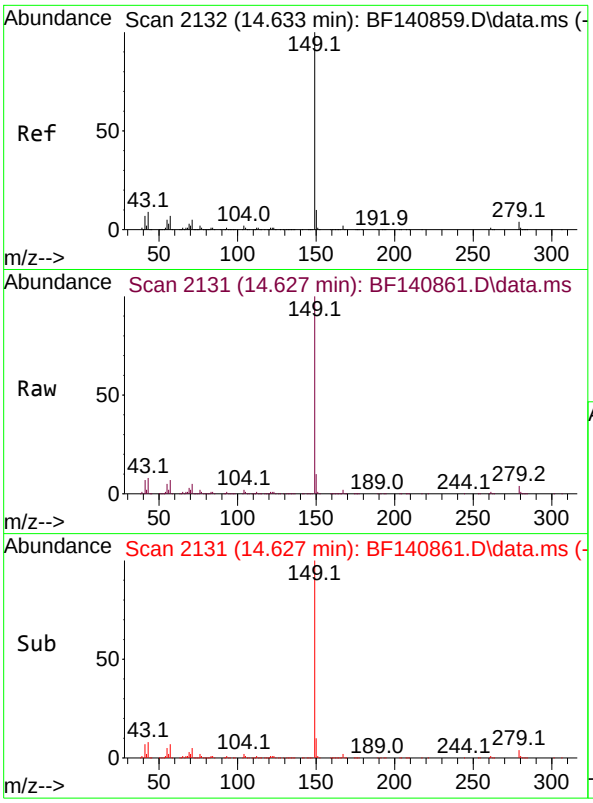




#84
Bis(2-ethylhexyl)phthalate
Concen: 63.289 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 507221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.8 | 32.8 |
| 279 | 4.0 | 3.5 | 5.3 |



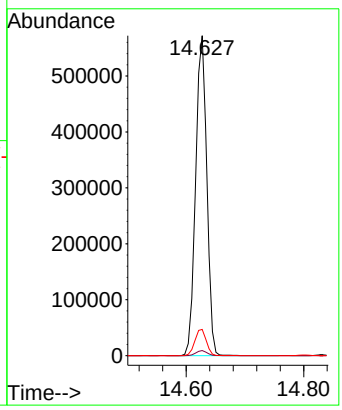


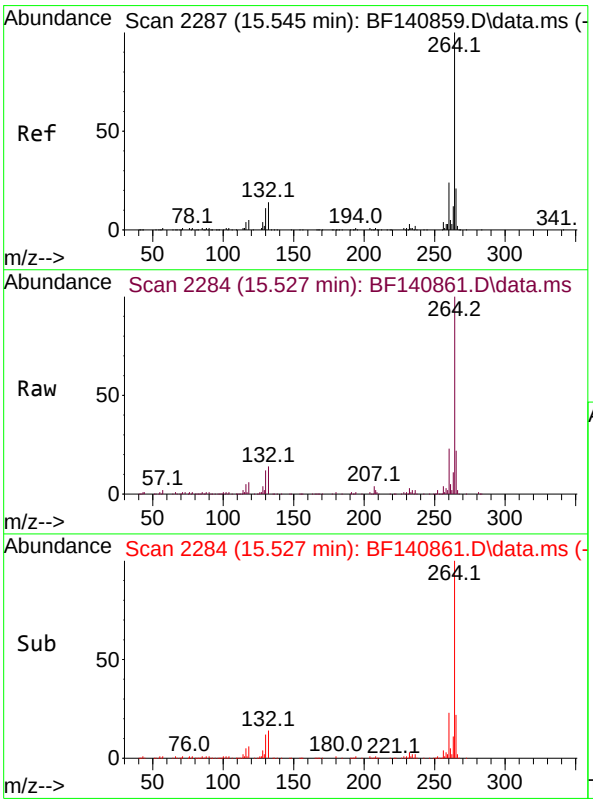

#85
Di-n-octyl phthalate
Concen: 62.220 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 754409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 7.0 | 10.6 |

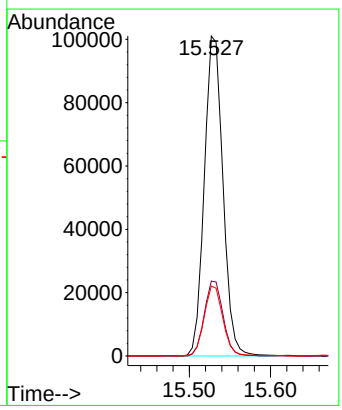


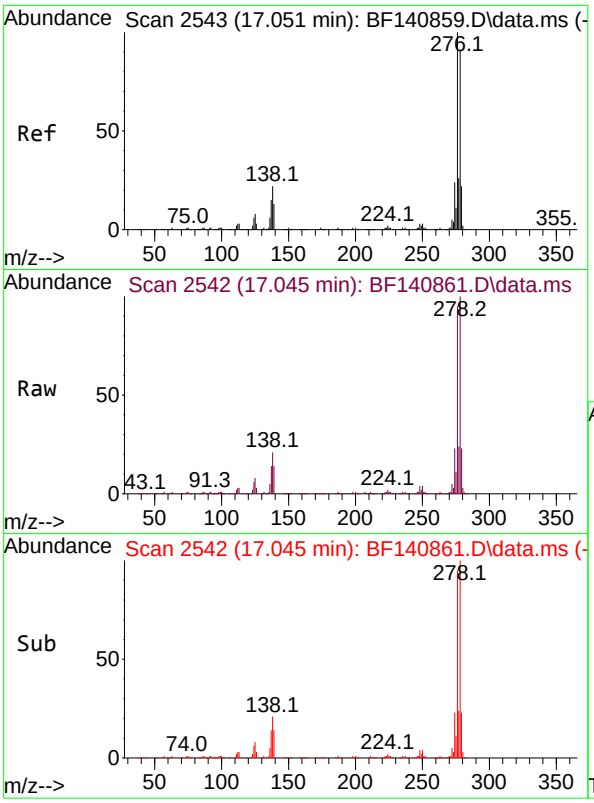




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:264 Resp: 161062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.1 | 28.7 |
| 265 | 21.9 | 17.0 | 25.4 |



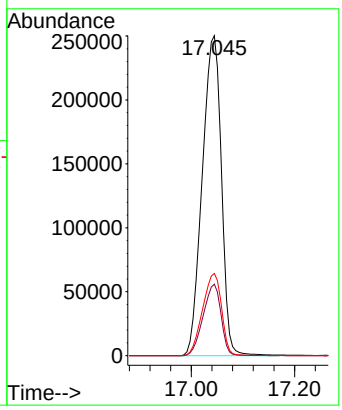


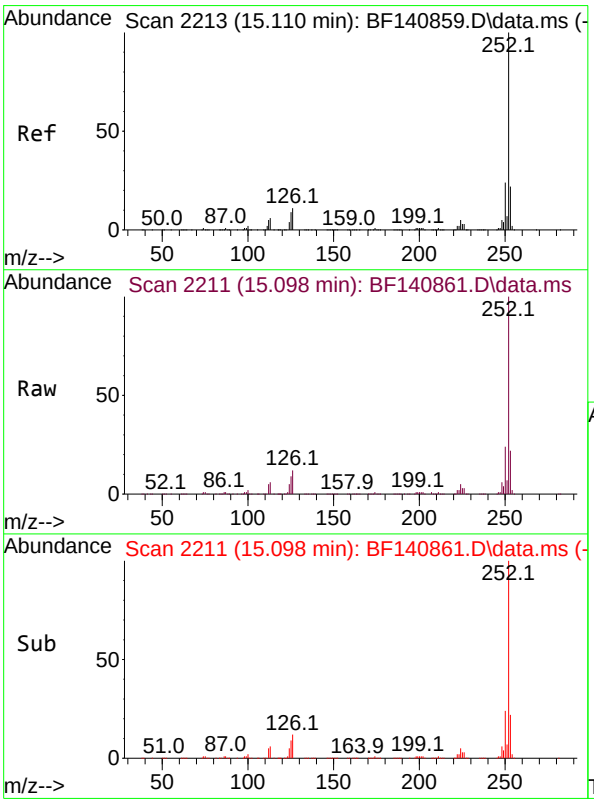

#87
Indeno(1,2,3-cd)pyrene
Concen: 63.934 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 642591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 16.9 | 25.3 |
| 277 | 25.5 | 20.2 | 30.4 |

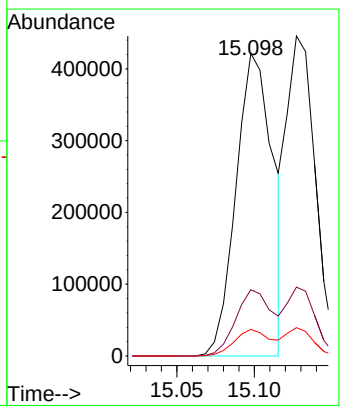


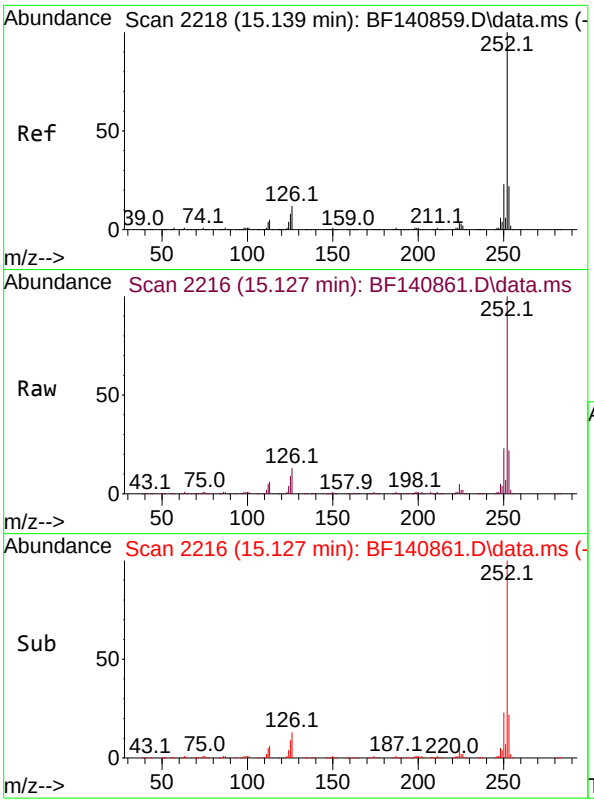




#88
Benzo(b)fluoranthene
Concen: 62.306 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:252 Resp: 696582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.8 | 7.0 | 10.4 |



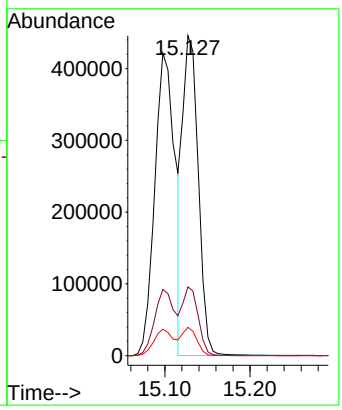


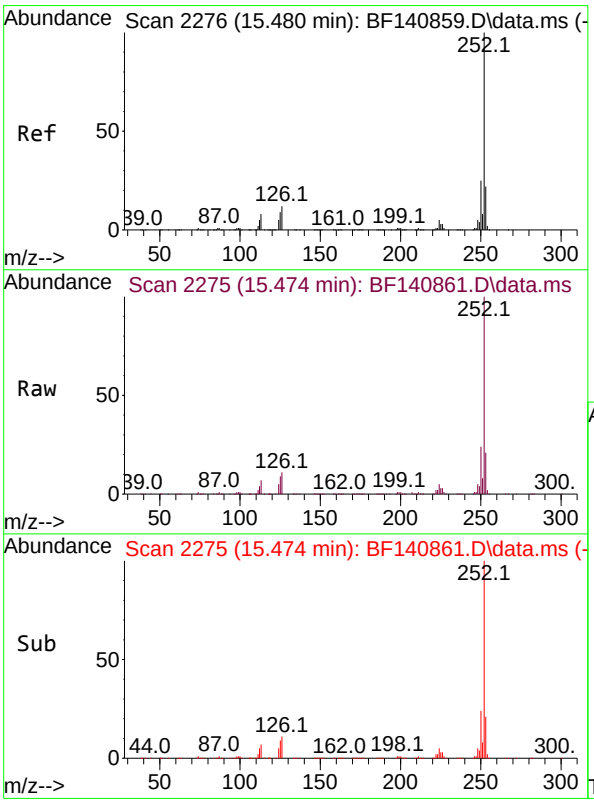

#89
Benzo(k)fluoranthene
Concen: 59.574 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 571329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 8.8 | 6.8 | 10.2 |

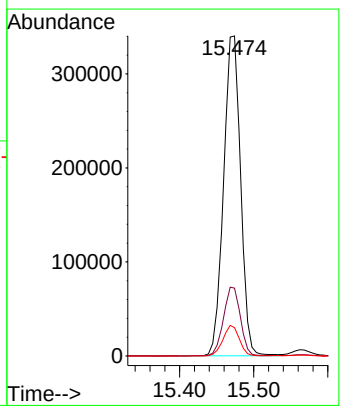


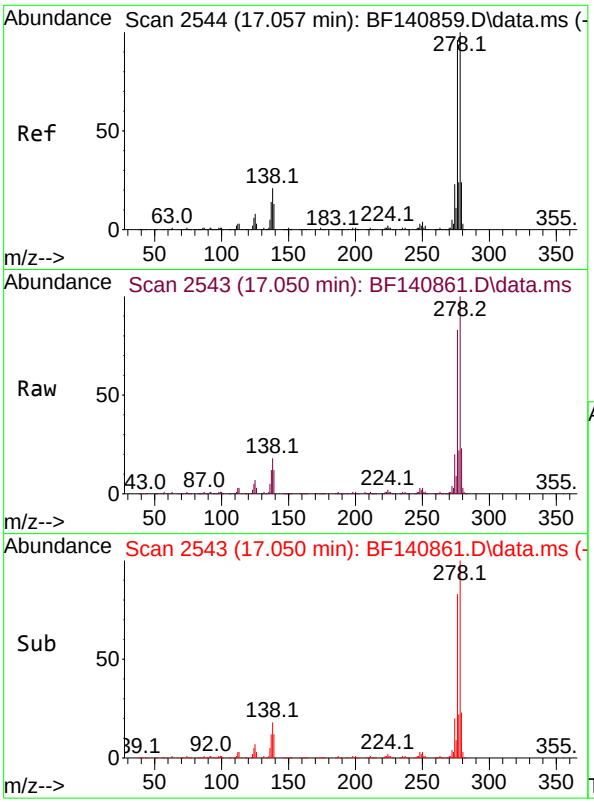




#90
Benzo(a)pyrene
Concen: 61.920 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:252 Resp: 542075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.5 | 26.3 |
| 125 | 8.9 | 7.5 | 11.3 |



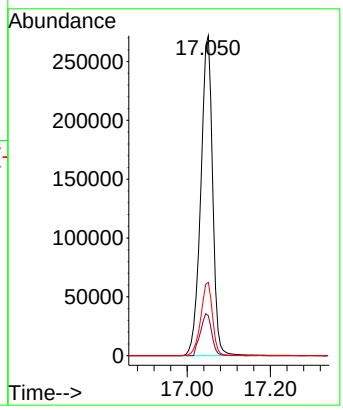


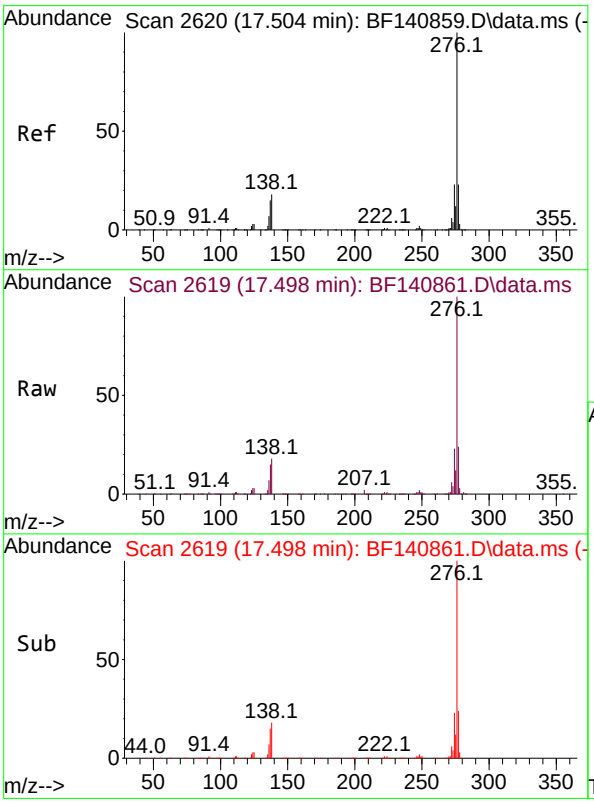

#91
Dibenzo(a,h)anthracene
Concen: 64.789 ng
RT: 17.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 539476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.5 | 10.6 | 16.0 |
| 279 | 22.9 | 19.2 | 28.8 |

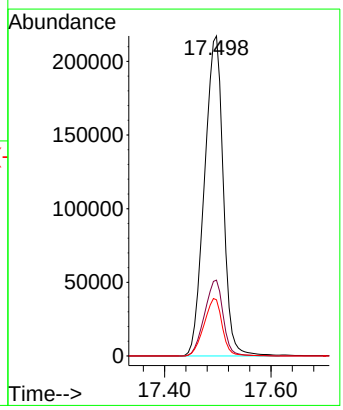



#92
Benzo(g,h,i)perylene
Concen: 62.602 ng
RT: 17.498 min Scan# 2619
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:276 Resp: 530525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 18.7 | 28.1 |
| 138 | 17.5 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 82694 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.134 | 136 | 323165 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 169321 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 364516 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 182739 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 171569 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 732058 | 145.730 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 982302 | 147.637 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 947083 | 146.623 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 304721 | 152.164 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.210 | 172 | 2054327 | 166.807 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 2018997 | 174.221 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 162832 | 75.255 | ng | | 98 |
| 3) Pyridine | 3.399 | 79 | 375906 | 75.017 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 194050 | 76.818 | ng | | 97 |
| 6) Aniline | 6.528 | 93 | 399627 | 70.247 | ng | | 92 |
| 8) 2-Chlorophenol | 6.651 | 128 | 406710 | 74.245 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 219459 | 59.528 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 507289 | 73.564 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.593 | 93 | 389038 | 75.649 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 461108 | 73.871 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 462233 | 72.952 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 437177 | 73.129 | ng | | 98 |
| 15) Benzyl Alcohol | 7.004 | 79 | 349382 | 73.442 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 449685 | 74.228 | ng | | 85 |
| 17) 2-Methylphenol | 7.122 | 107 | 328432 | 75.095 | ng | | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 176920 | 75.005 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 288752 | 72.349 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 421165 | 72.622 | ng | | 97 |
| 22) Acetophenone | 7.269 | 105 | 576358 | 71.295 | ng | # | 99 |
| 24) Nitrobenzene | 7.445 | 77 | 484693 | 73.246 | ng | | 98 |
| 25) Isophorone | 7.681 | 82 | 815074 | 75.310 | ng | | 99 |
| 26) 2-Nitrophenol | 7.757 | 139 | 232926 | 76.426 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.798 | 122 | 270864 | 76.101 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 508754 | 75.263 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 374434 | 76.199 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 420429 | 74.635 | ng | | 99 |
| 31) Naphthalene | 8.157 | 128 | 1318982 | 74.301 | ng | | 100 |
| 32) Benzoic acid | 7.969 | 122 | 284705 | 84.342 | ng | | 98 |
| 33) 4-Chloroaniline | 8.216 | 127 | 451539 | 76.586 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 282790 | 74.615 | ng | | 99 |
| 35) Caprolactam | 8.616 | 113 | 125537m | 85.813 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 449654 | 81.301 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 942892 | 80.295 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 925535 | 79.695 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 466438 | 89.625 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 149909 | 80.025 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 301828 | 94.714 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

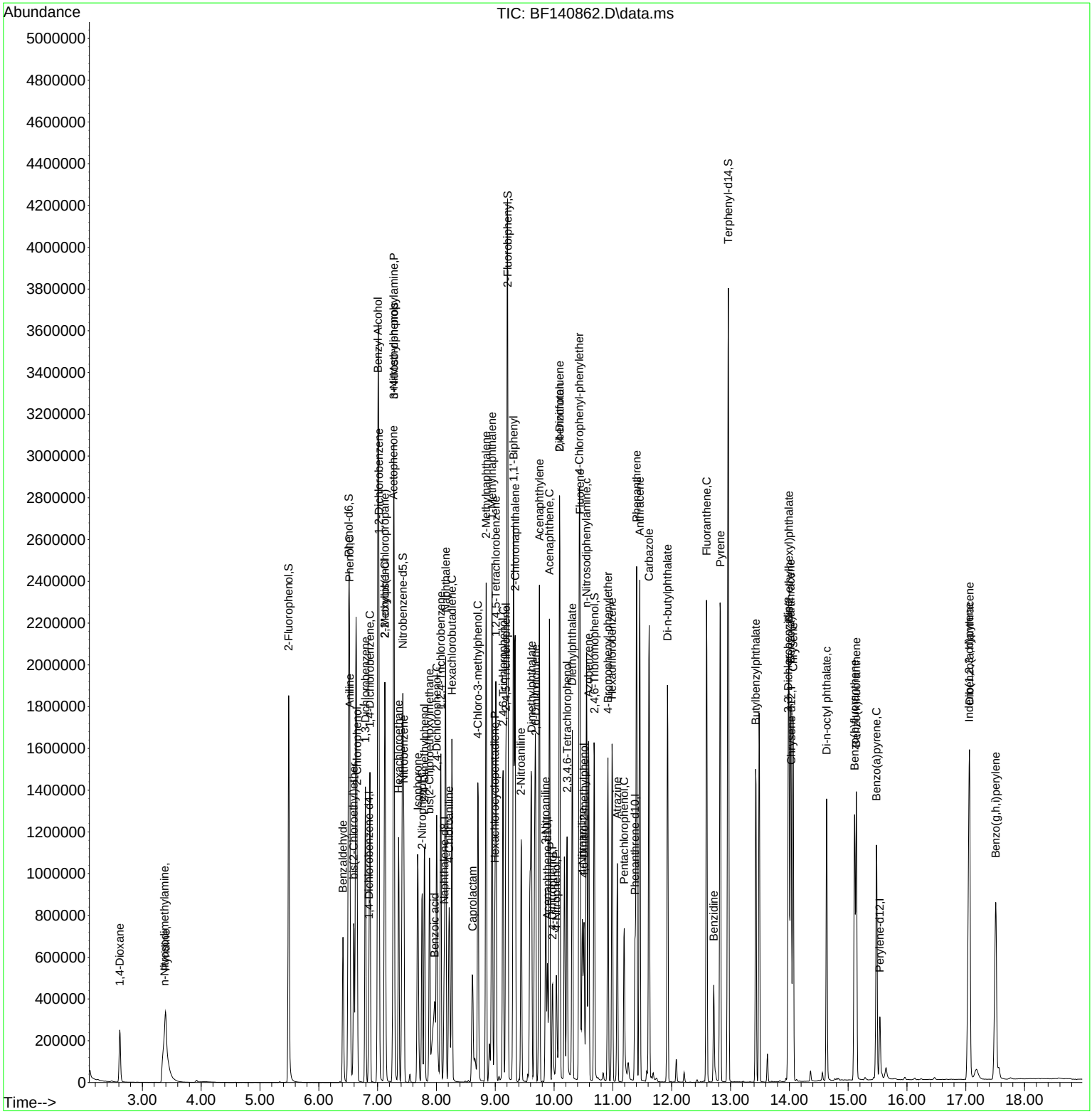
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 321402 | 91.760 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 1186930 | 88.155 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.339 | 162 | 927799 | 90.075 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 289810 | 93.162 | ng | 99 |
| 49) Acenaphthylene | 9.751 | 152 | 1169747 | 77.278 | ng | 100 |
| 50) Dimethylphthalate | 9.616 | 163 | 1049196 | 87.890 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 240439 | 88.104 | ng | 95 |
| 52) Acenaphthene | 9.922 | 154 | 710789 | 73.511 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 208004 | 76.804 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 106230 | 79.797 | ng | 95 |
| 55) Dibenzofuran | 10.092 | 168 | 1071923 | 71.543 | ng | 100 |
| 56) 4-Nitrophenol | 10.039 | 139 | 112972 | 77.685 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 263636 | 73.423 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 904163 | 73.147 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 230812 | 80.870 | ng | 99 |
| 60) Diethylphthalate | 10.310 | 149 | 911868 | 73.664 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.428 | 204 | 456754 | 73.562 | ng | 97 |
| 62) 4-Nitroaniline | 10.480 | 138 | 216635 | 76.547 | ng | 99 |
| 63) Azobenzene | 10.586 | 77 | 862457 | 74.110 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 158996 | 76.975 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 767906 | 68.519 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 279941 | 68.648 | ng | 99 |
| 68) Hexachlorobenzene | 10.986 | 284 | 324661 | 70.220 | ng | 97 |
| 69) Atrazine | 11.075 | 200 | 185877 | 59.385 | ng | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 153999 | 91.050 | ng | 100 |
| 71) Phenanthrene | 11.404 | 178 | 1365579 | 72.850 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 1361788 | 73.769 | ng | 99 |
| 73) Carbazole | 11.616 | 167 | 1341097 | 74.170 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1410986 | 66.492 | ng | 100 |
| 75) Fluoranthene | 12.592 | 202 | 1374862 | 63.687 | ng | 98 |
| 77) Benzidine | 12.716 | 184 | 276230 | 74.064 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 1423860 | 87.621 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 508497 | 85.043 | ng | 97 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 1001035 | 77.292 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 291736 | 74.661 | ng | 99 |
| 83) Chrysene | 14.063 | 228 | 881398 | 74.840 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 624744 | 81.032 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 922920 | 79.125 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.057 | 276 | 957167 | 89.400 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 925999 | 77.753 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 683254 | 66.881 | ng | 99 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 714906 | 76.662 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.062 | 278 | 792175 | 89.311 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 840468 | 93.101 | ng | 99 |

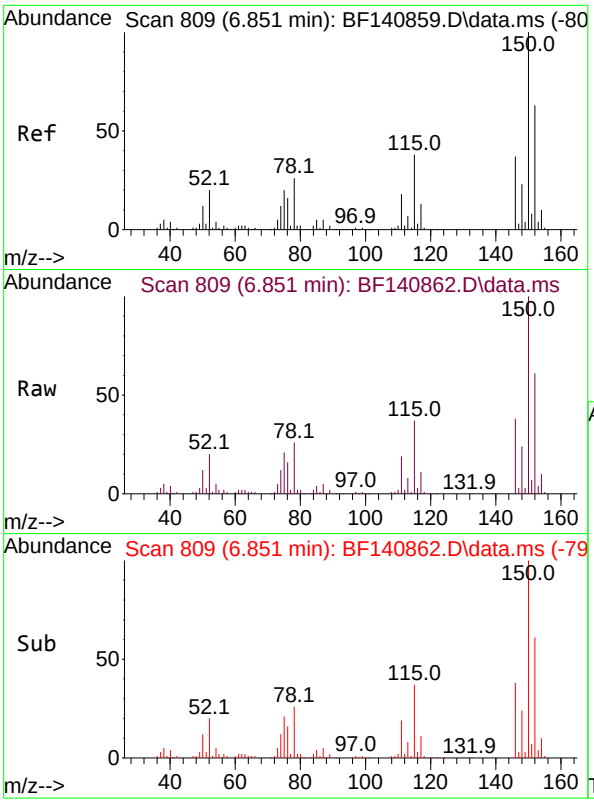
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



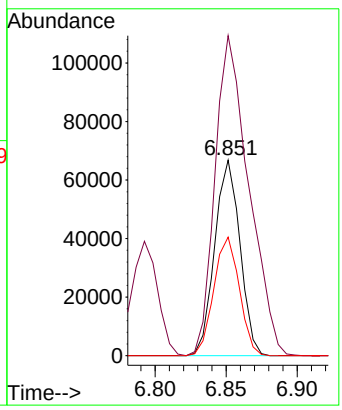


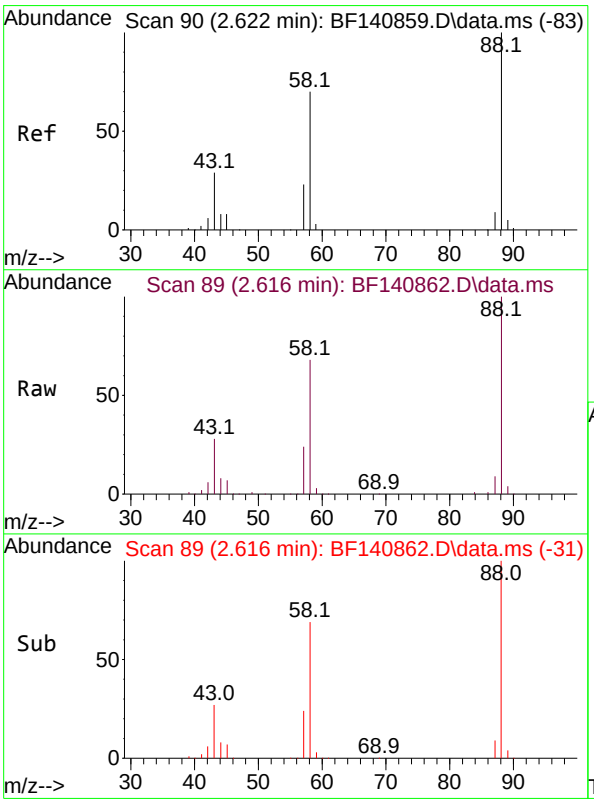

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 82694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.6 | 127.9 | 191.9 |
| 115 | 60.6 | 48.0 | 72.0 |

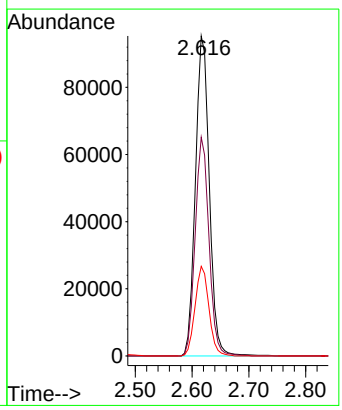


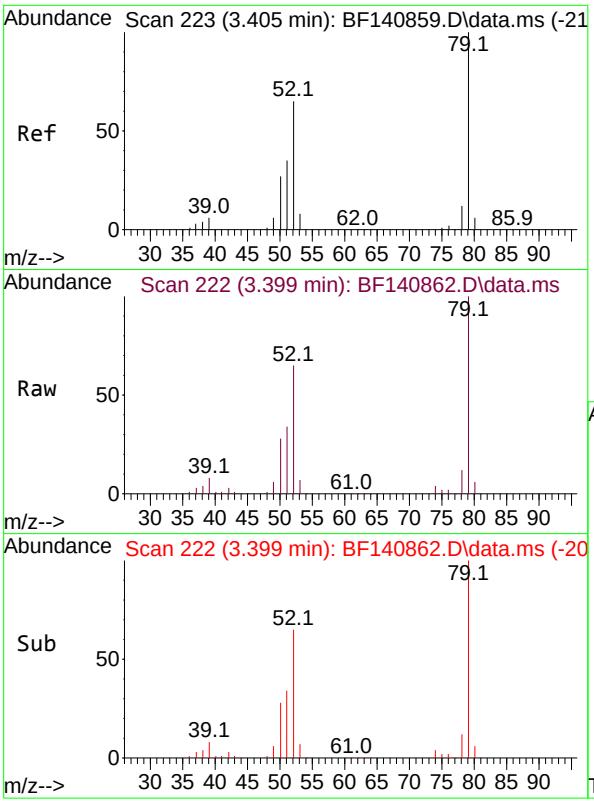




#2
1,4-Dioxane
Concen: 75.255 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 88 Resp: 162832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.8 | 55.8 | 83.8 |
| 43 | 27.9 | 22.7 | 34.1 |



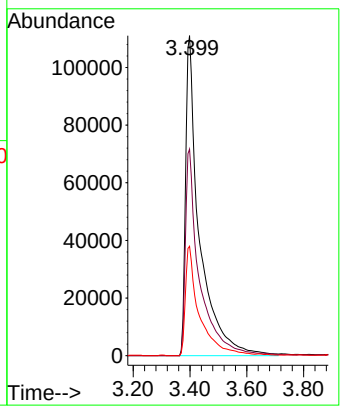


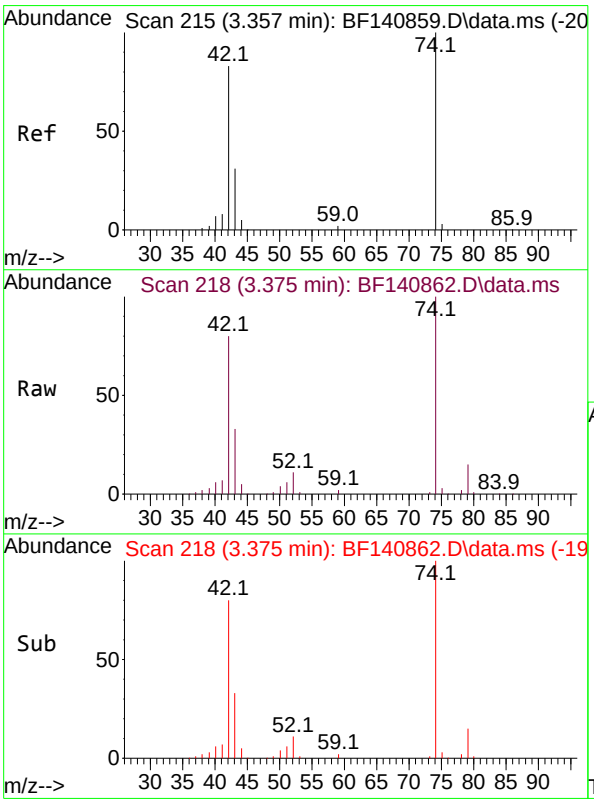

#3
Pyridine
Concen: 75.017 ng
RT: 3.399 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 375906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.6 | 51.7 | 77.5 |
| 51 | 34.2 | 28.2 | 42.4 |

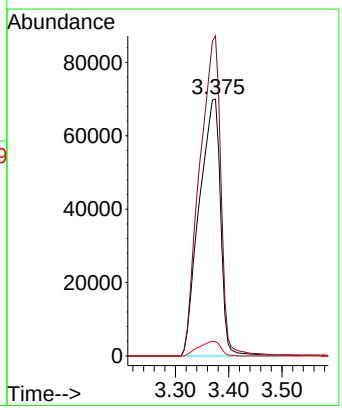


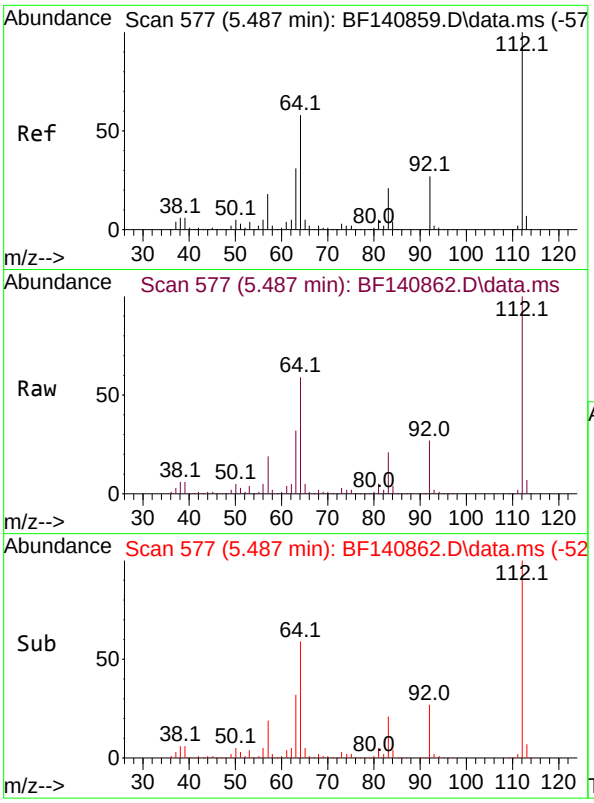




#4
n-Nitrosodimethylamine
Concen: 76.818 ng
RT: 3.375 min Scan# 218
Delta R.T. 0.018 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 42 Resp: 194050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 124.6 | 96.9 | 145.3 |
| 44 | 5.7 | 4.4 | 6.6 |



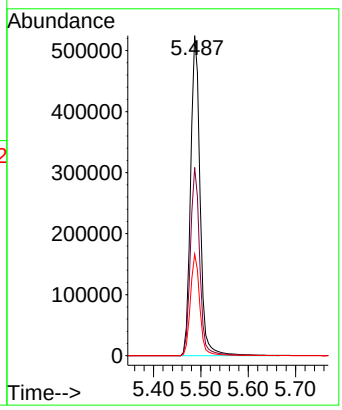


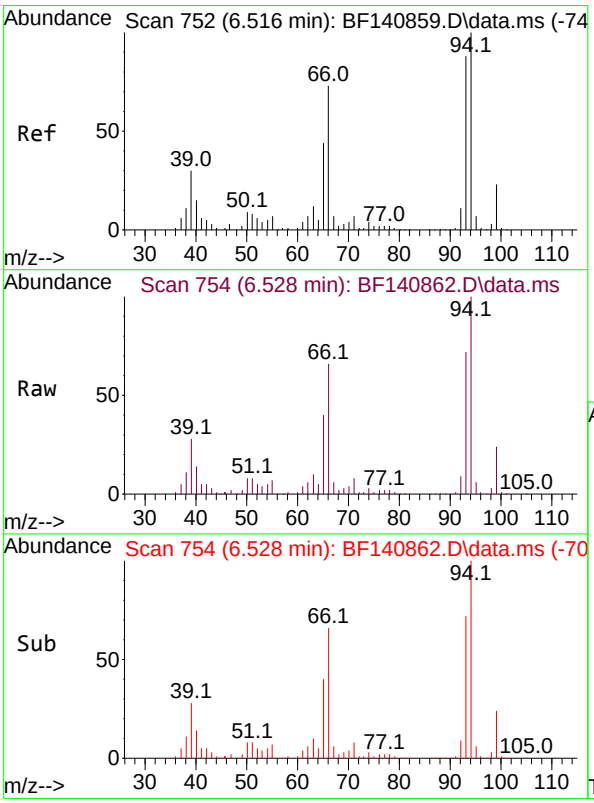

#5
2-Fluorophenol
Concen: 145.730 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 732058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.8 | 46.1 | 69.1 |
| 63 | 31.7 | 24.9 | 37.3 |

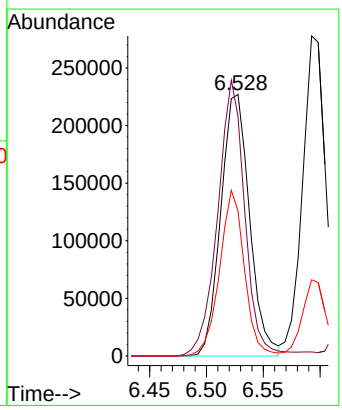


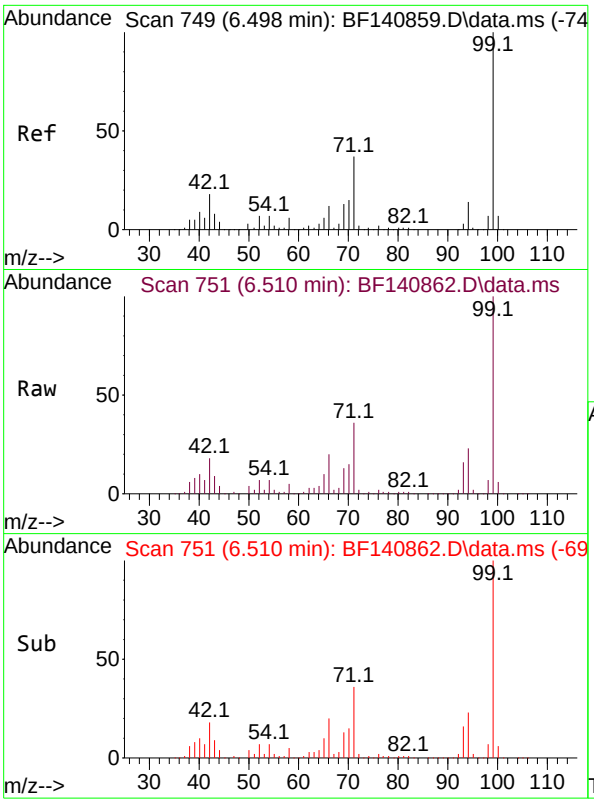




#6
Aniline
Concen: 70.247 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 93 Resp: 399627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 91.6 | 67.0 | 100.4 |
| 65 | 55.4 | 40.4 | 60.6 |



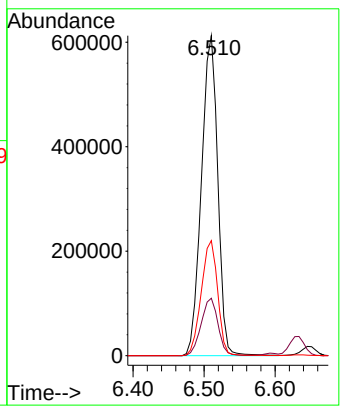


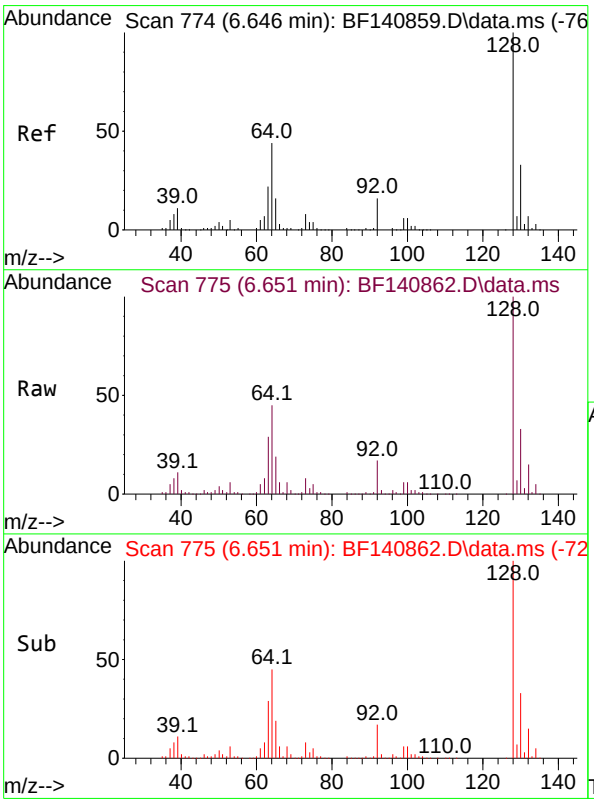

#7
Phenol-d6
Concen: 147.637 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 982302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.3 | 21.5 |
| 71 | 35.9 | 29.9 | 44.9 |

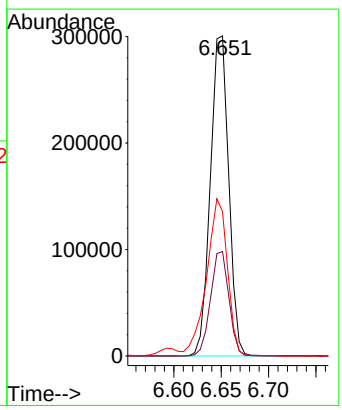


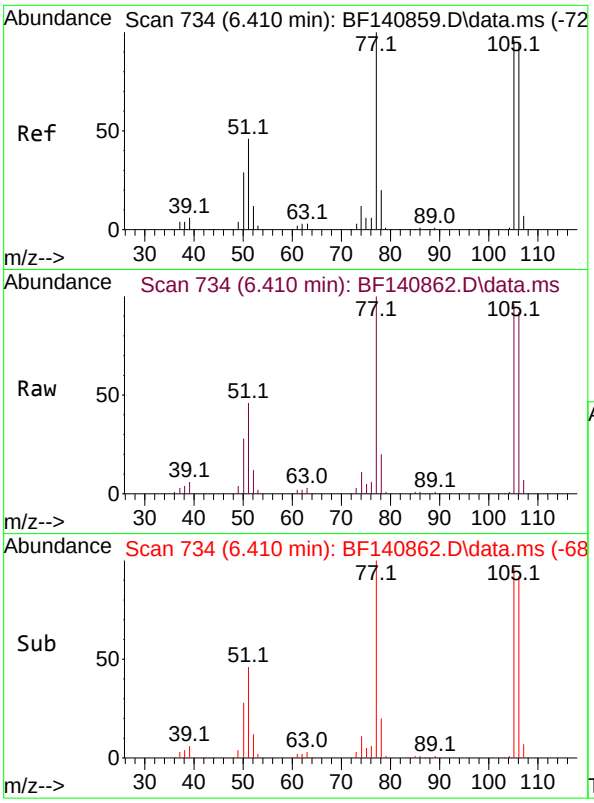




#8
2-Chlorophenol
Concen: 74.245 ng
RT: 6.651 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:128 Resp: 406710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.9 | 52.9 |
| 64 | 45.1 | 24.3 | 64.3 |



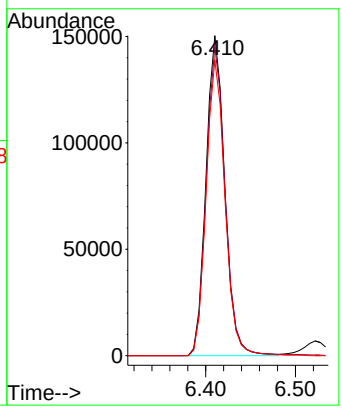


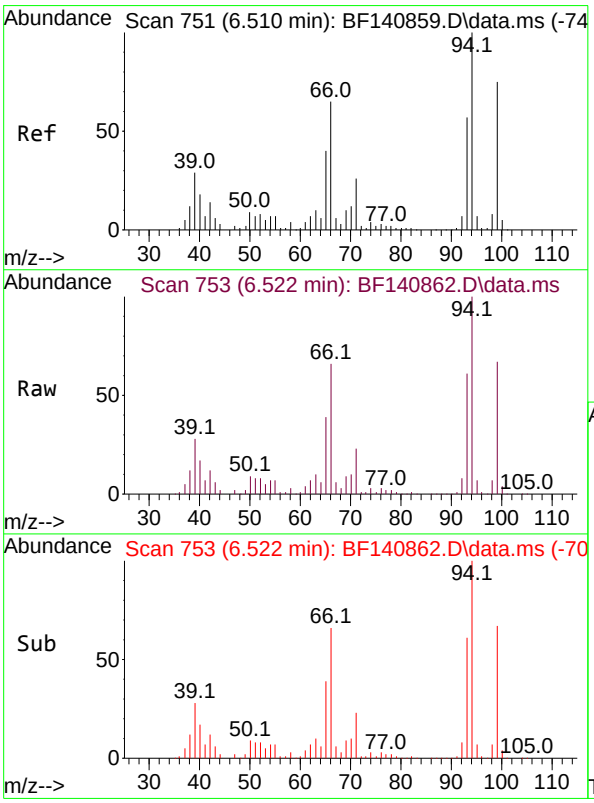

#9
Benzaldehyde
Concen: 59.528 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 219459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.5 | 75.8 | 115.8 |
| 106 | 92.3 | 74.1 | 114.1 |

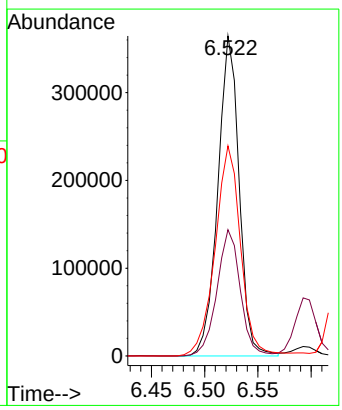


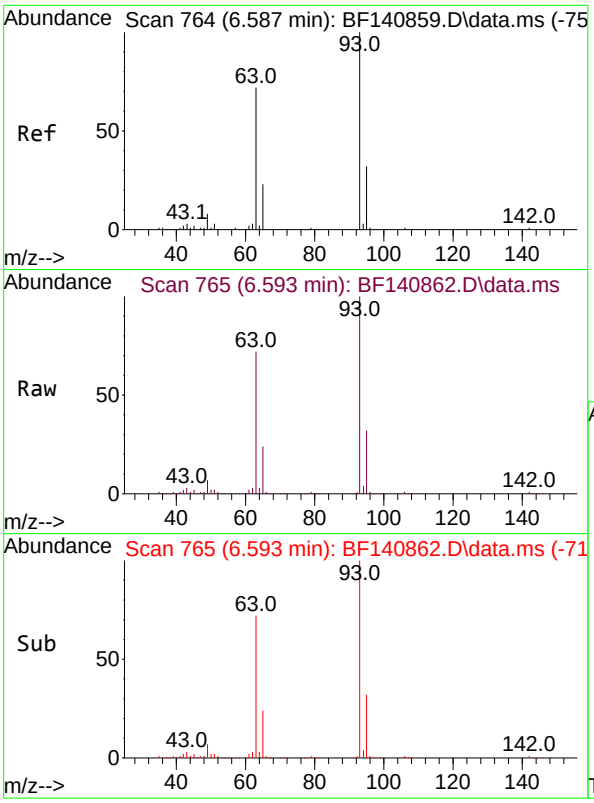




#10
Phenol
Concen: 73.564 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 94 Resp: 507289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.4 | 19.9 | 59.9 |
| 66 | 65.6 | 45.6 | 85.6 |



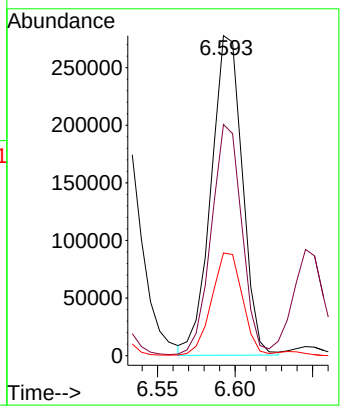


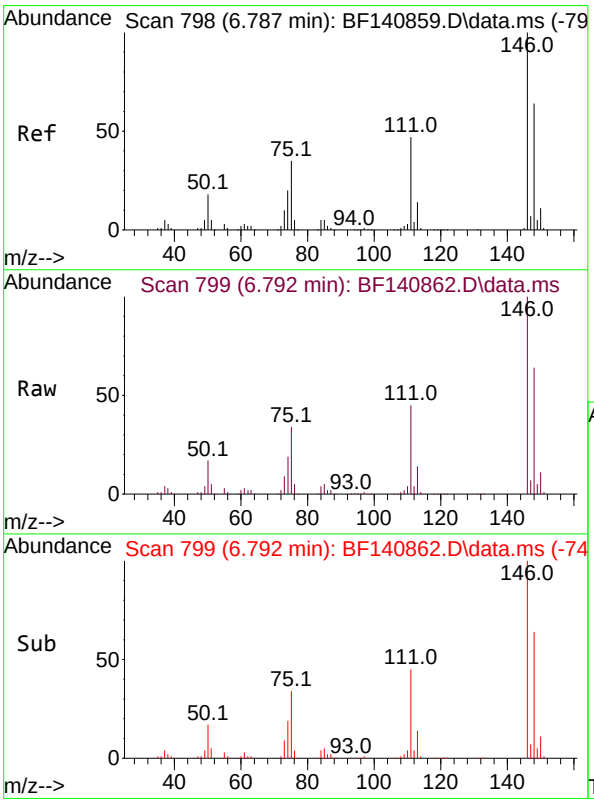

#11
bis(2-Chloroethyl)ether
Concen: 75.649 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 389038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 72.3 | 51.0 | 91.0 |
| 95 | 32.1 | 12.0 | 52.0 |

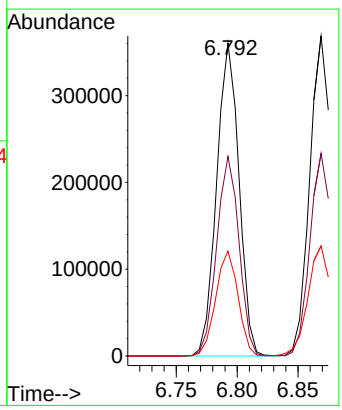


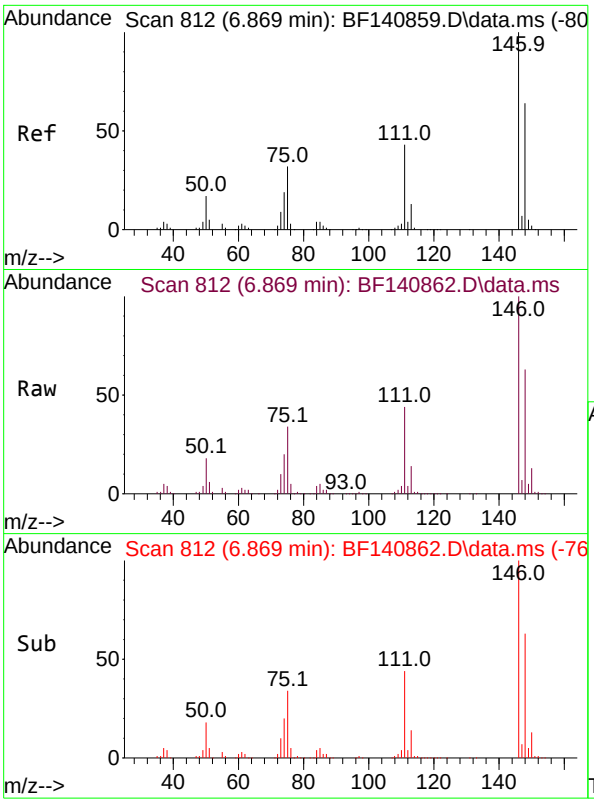




#12
1,3-Dichlorobenzene
Concen: 73.871 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:146 Resp: 461108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.0 | 76.6 |
| 75 | 33.5 | 28.1 | 42.1 |



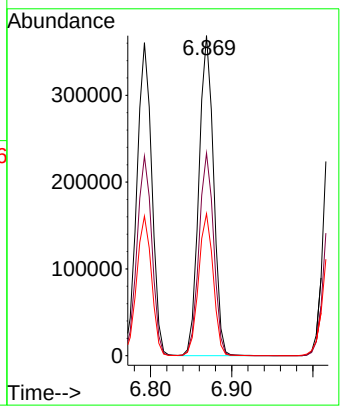


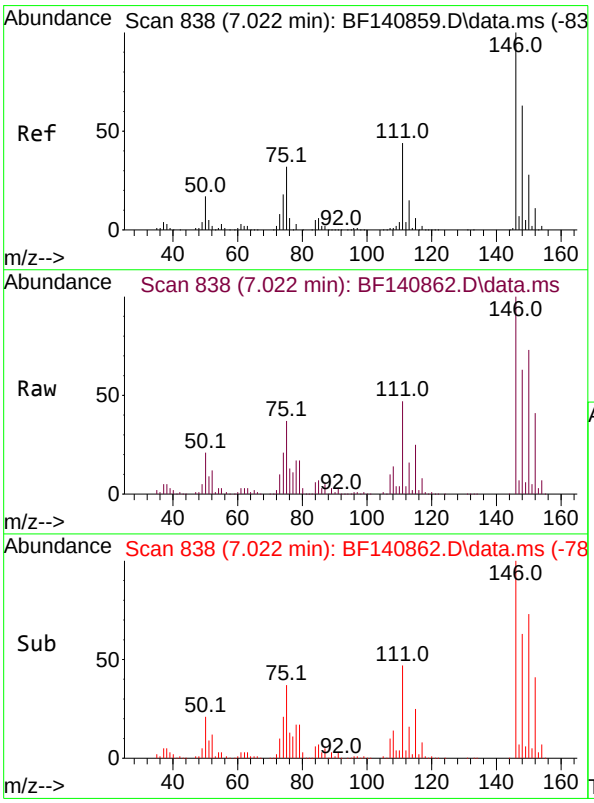

#13
1,4-Dichlorobenzene
Concen: 72.952 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 462233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.3 | 76.9 |
| 111 | 44.3 | 34.4 | 51.6 |

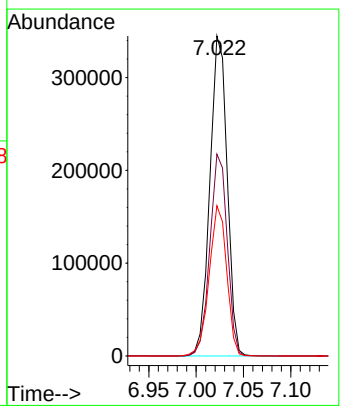


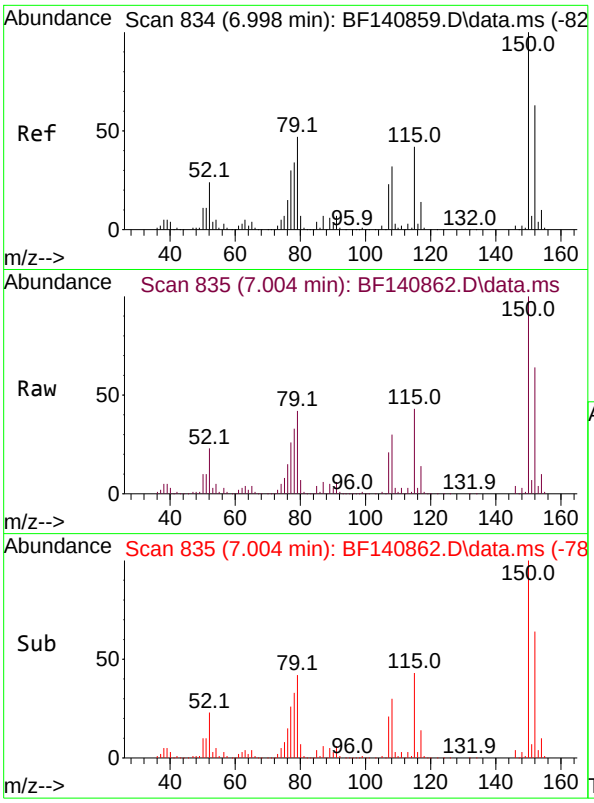




#14
1,2-Dichlorobenzene
Concen: 73.129 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:146 Resp: 437177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 50.0 | 75.0 |
| 111 | 46.9 | 35.6 | 53.4 |



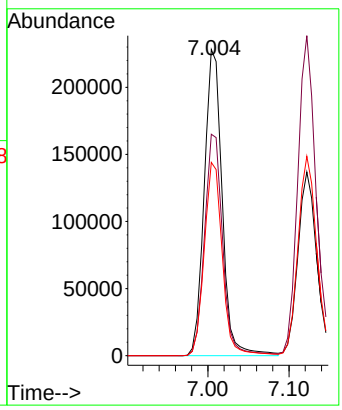


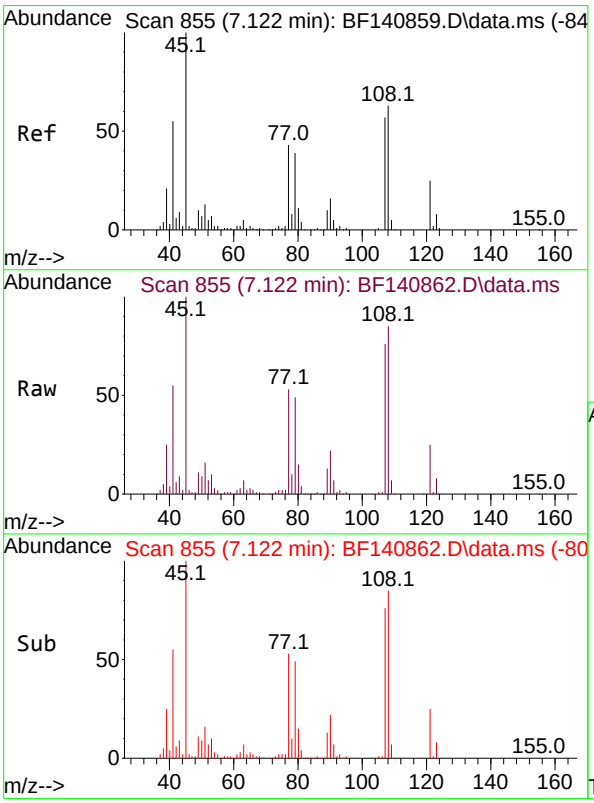

#15
Benzyl Alcohol
Concen: 73.442 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 349382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.3 | 55.1 | 82.7 |
| 77 | 63.1 | 50.6 | 76.0 |

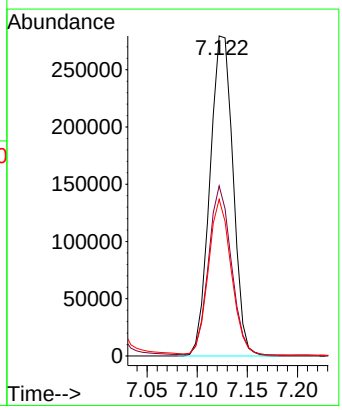


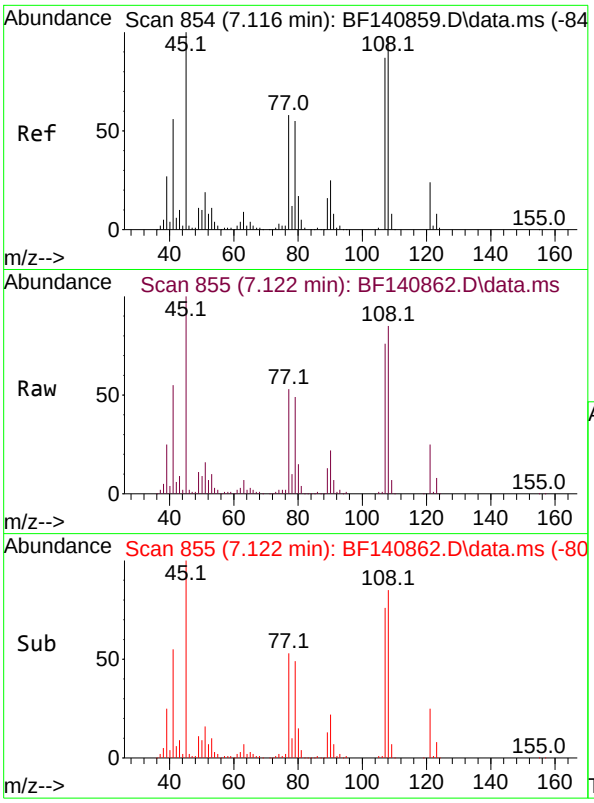




#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.228 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 45 Resp: 449685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 53.1 | 23.3 | 63.3 |
| 79 | 49.0 | 20.0 | 60.0 |



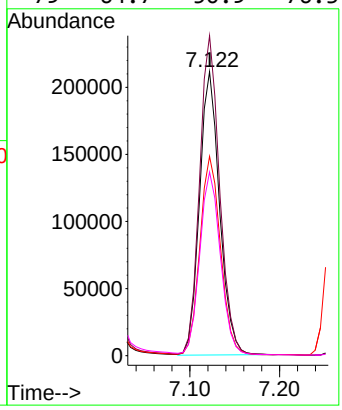


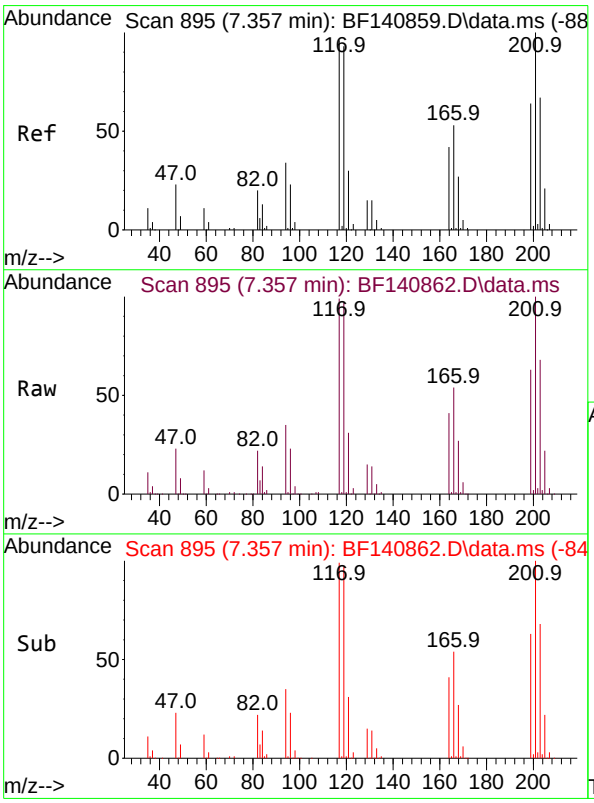

#17
2-Methylphenol
Concen: 75.095 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 328432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.2 | 135.4 |
| 77 | 70.2 | 53.8 | 80.6 |
| 79 | 64.7 | 50.9 | 76.3 |

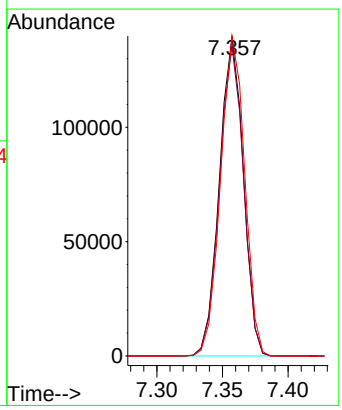


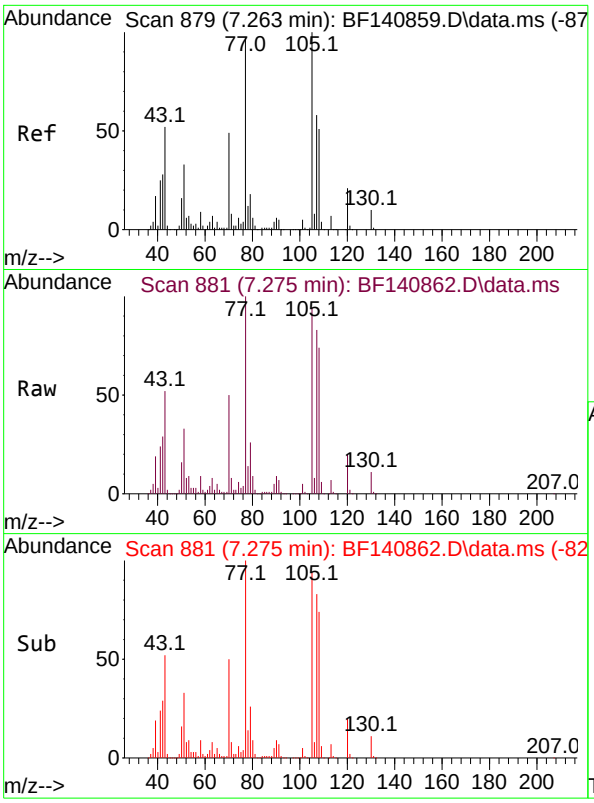




#18
Hexachloroethane
Concen: 75.005 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:117 Resp: 176920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.3 | 77.4 | 116.0 |
| 201 | 100.5 | 83.4 | 125.0 |



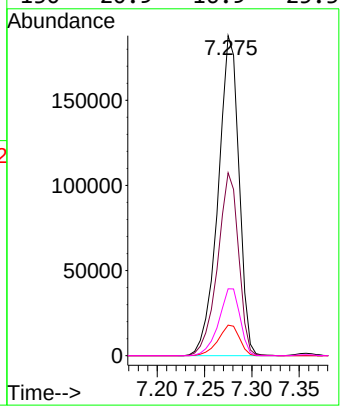


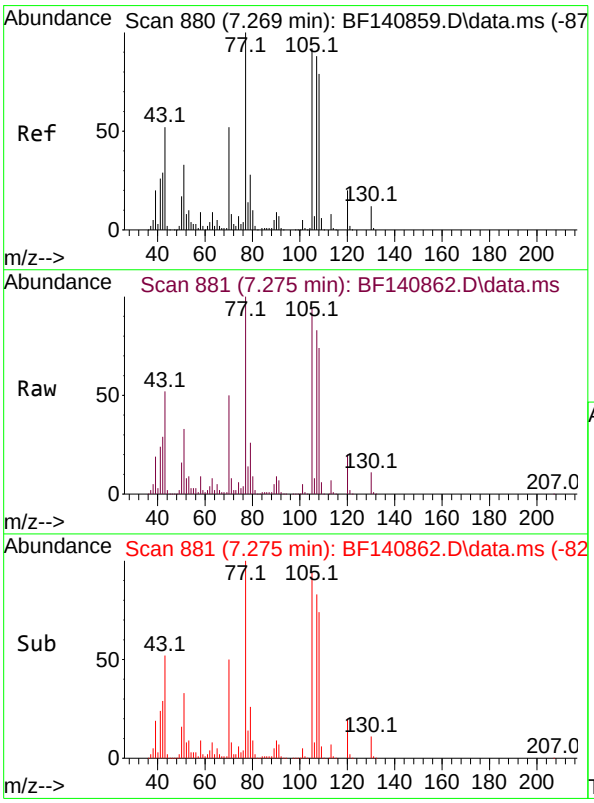

#19
n-Nitroso-di-n-propylamine
Concen: 72.349 ng
RT: 7.275 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 288752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.2 | 45.3 | 67.9 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 20.9 | 16.9 | 25.3 |

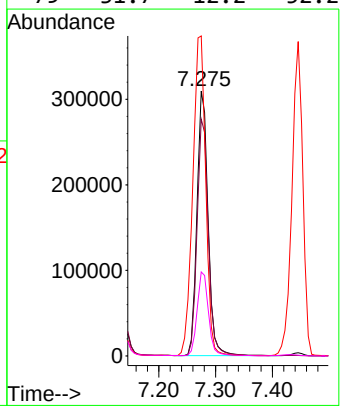


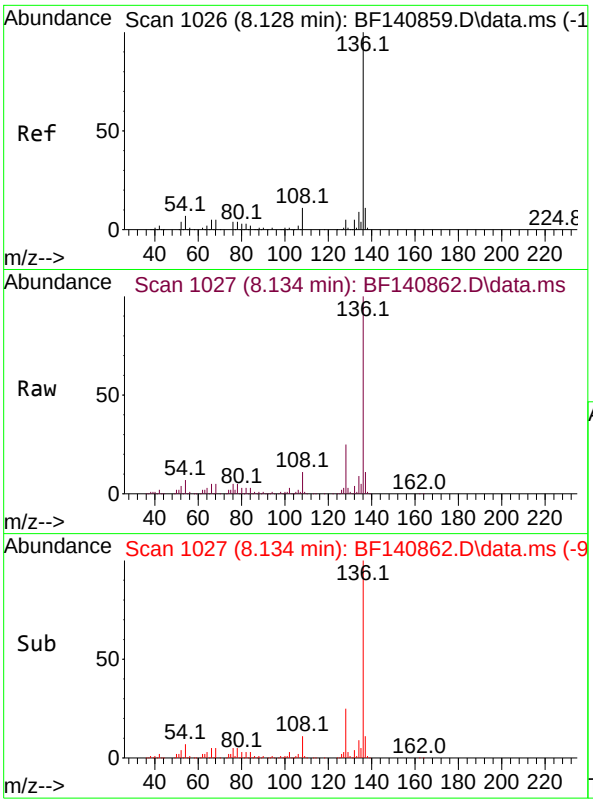




#20
3+4-Methylphenols
Concen: 72.622 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:107 Resp: 421165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 70.1 | 110.1 |
| 77 | 120.8 | 94.4 | 134.4 |
| 79 | 31.7 | 12.2 | 52.2 |



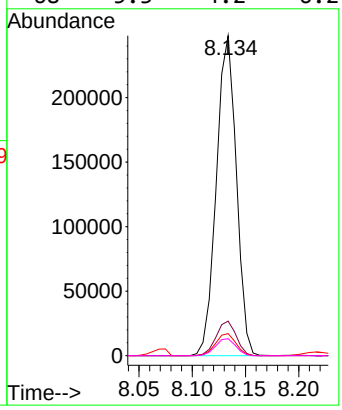


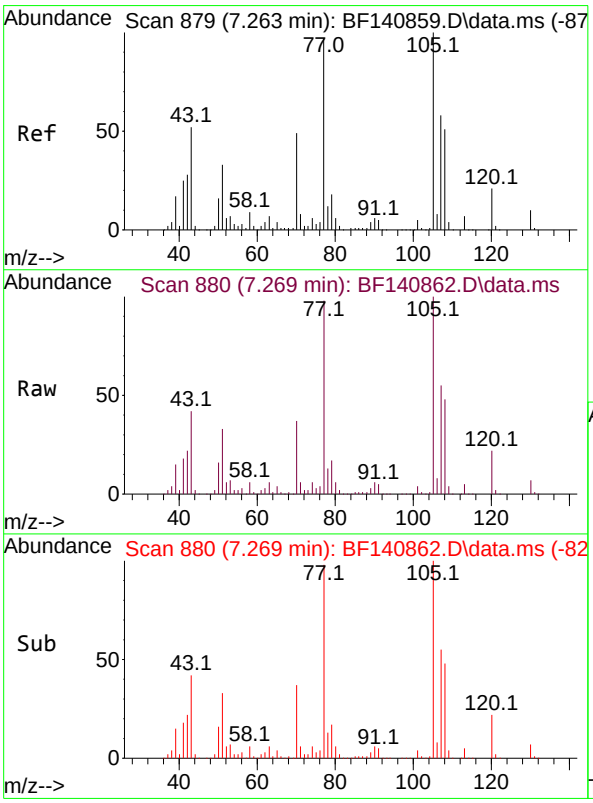

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 323165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.3 | 4.2 | 6.2 |

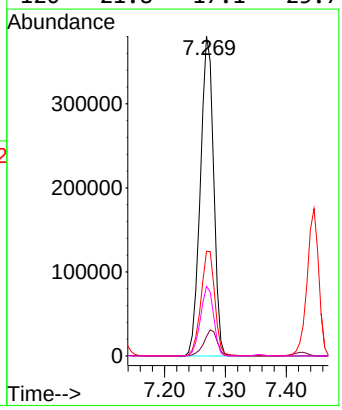


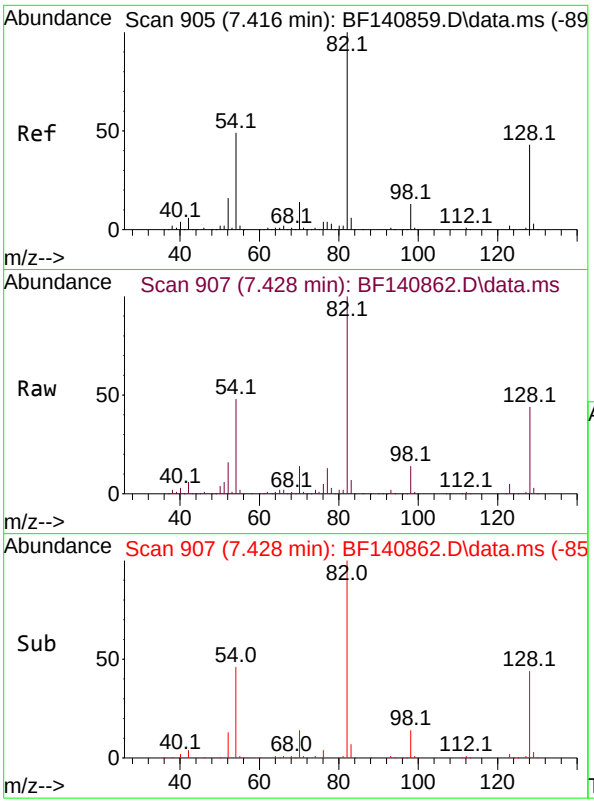




#22
Acetophenone
Concen: 71.295 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:105 Resp: 576358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.1 | 6.2 | 9.4# |
| 51 | 32.7 | 26.3 | 39.5 |
| 120 | 21.8 | 17.1 | 25.7 |



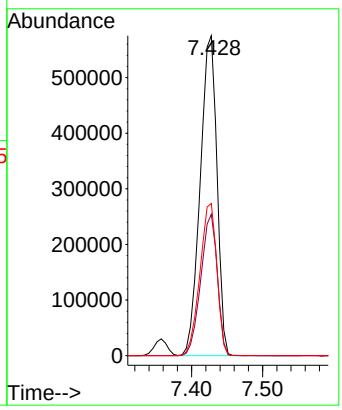


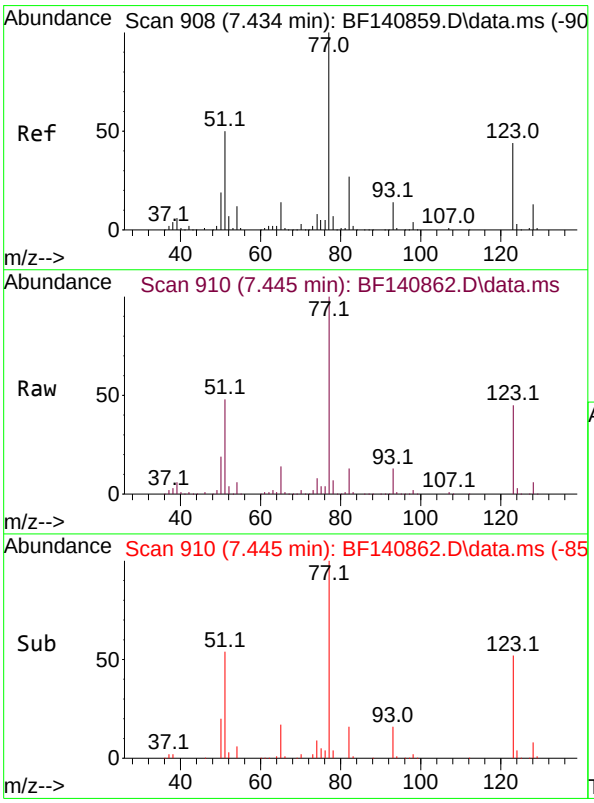

#23
Nitrobenzene-d5
Concen: 146.623 ng
RT: 7.428 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 947083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 34.4 | 51.6 |
| 54 | 47.6 | 38.8 | 58.2 |

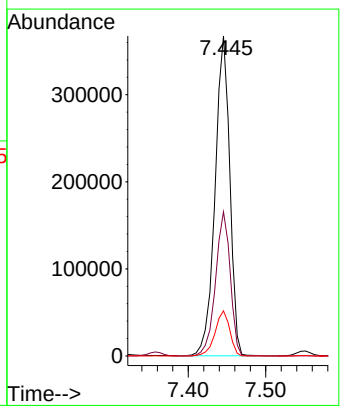


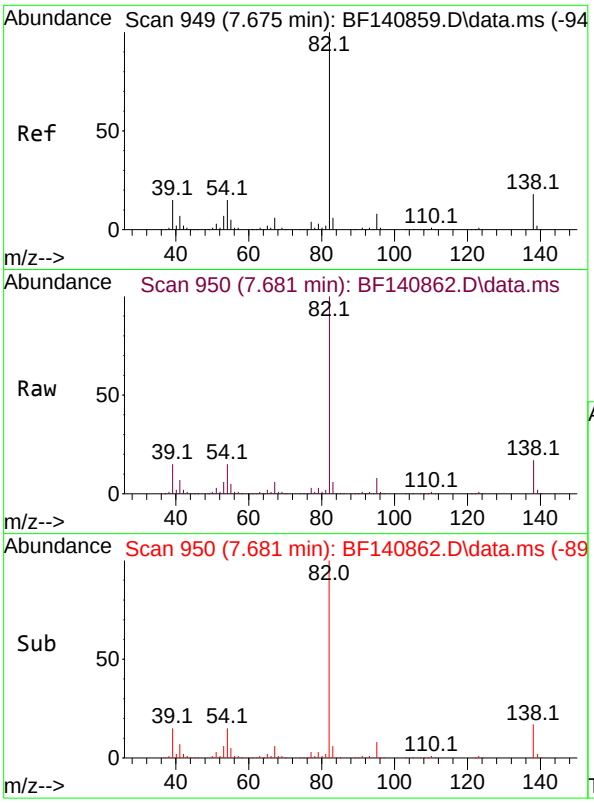




#24
Nitrobenzene
Concen: 73.246 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 77 Resp: 484693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.1 | 35.0 | 52.4 |
| 65 | 14.1 | 11.4 | 17.0 |



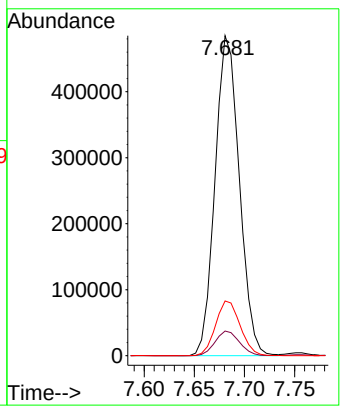


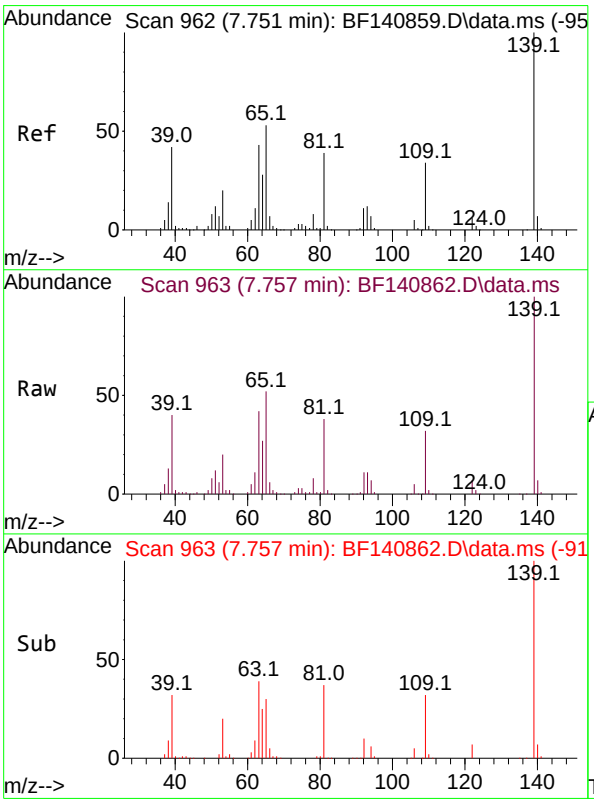

#25
Isophorone
Concen: 75.310 ng
RT: 7.681 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 815074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.3 | 9.5 |
| 138 | 17.1 | 14.1 | 21.1 |

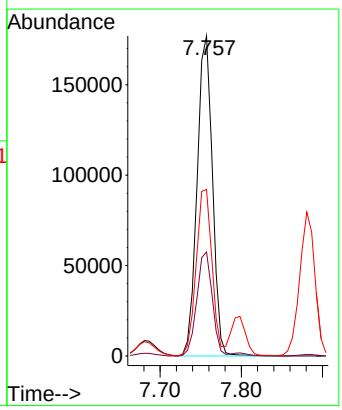


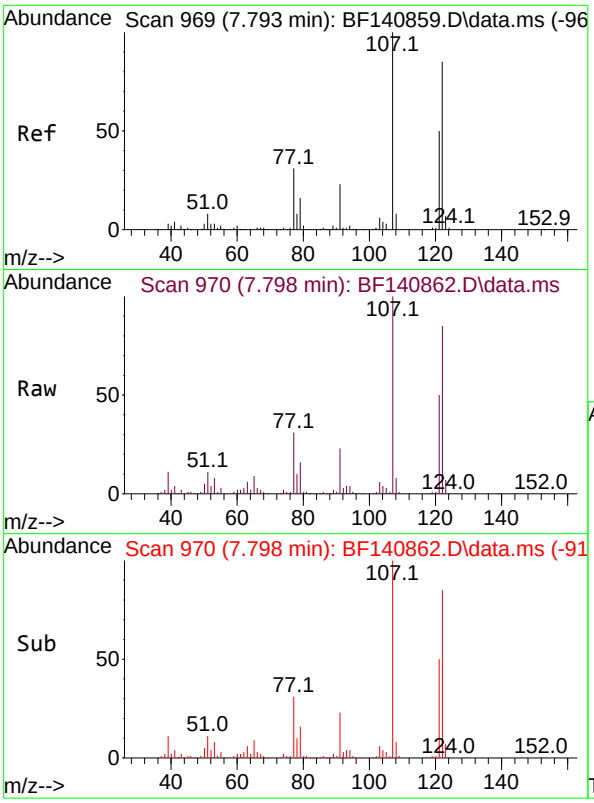




#26
2-Nitrophenol
Concen: 76.426 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:139 Resp: 232926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.5 | 26.9 | 40.3 |
| 65 | 52.1 | 42.6 | 64.0 |



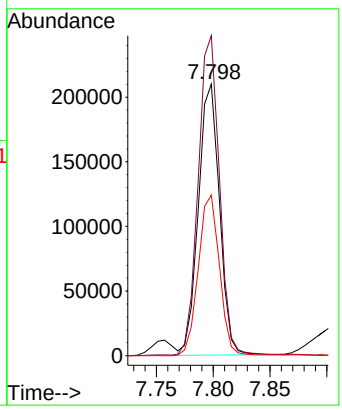


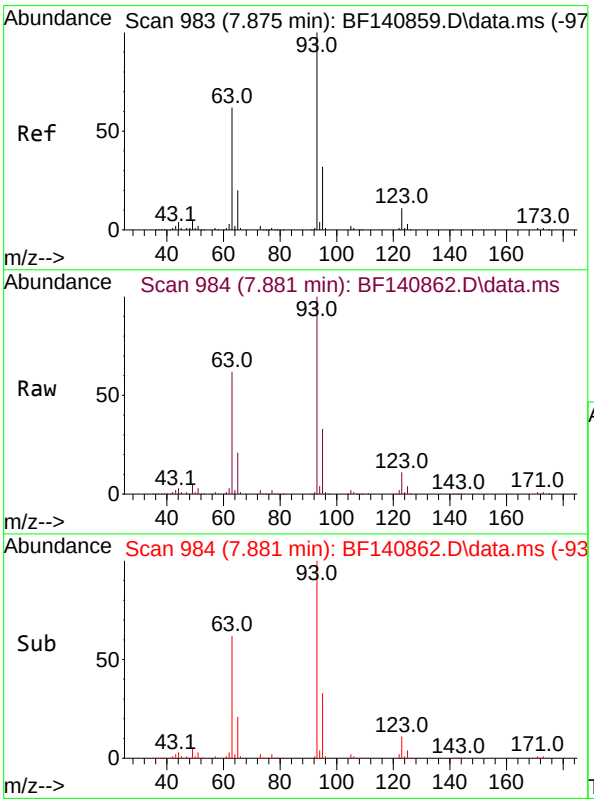

#27
2,4-Dimethylphenol
Concen: 76.101 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 270864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.8 | 92.6 | 139.0 |
| 121 | 59.1 | 45.8 | 68.8 |

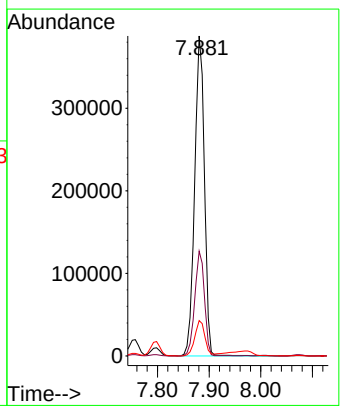


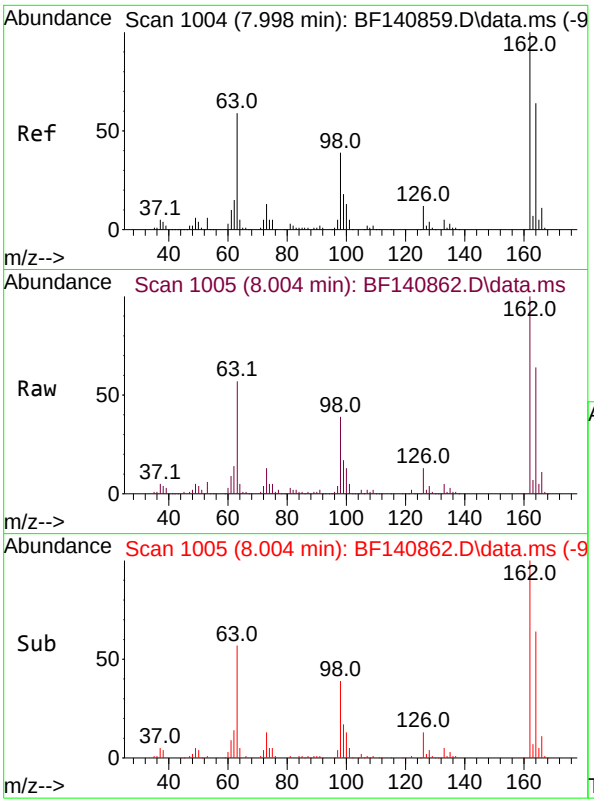




#28
bis(2-Chloroethoxy)methane
Concen: 75.263 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 93 Resp: 508754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.3 | 37.9 |
| 123 | 11.1 | 8.6 | 13.0 |



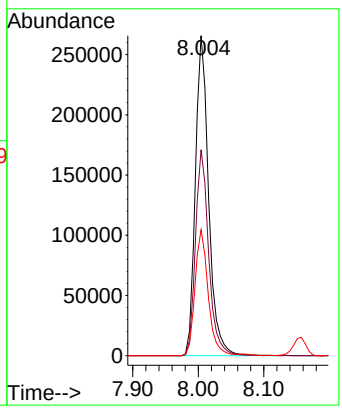


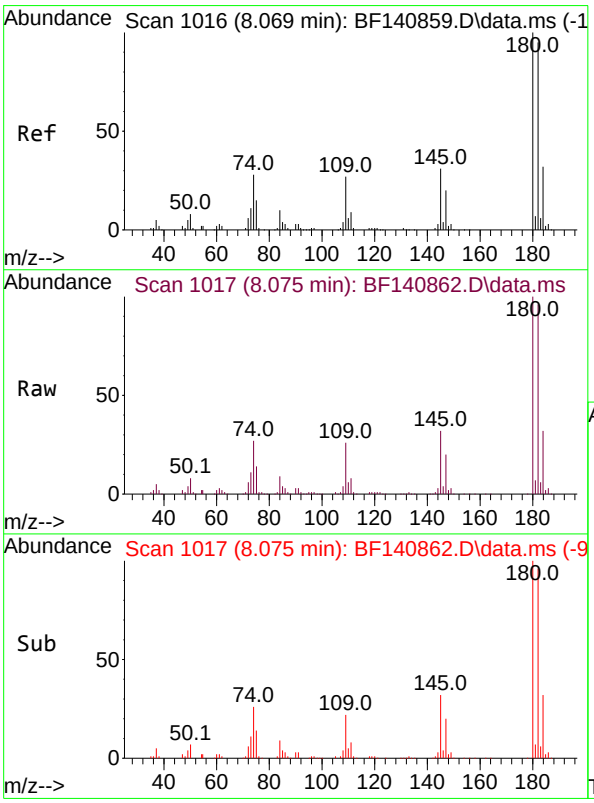

#29
2,4-Dichlorophenol
Concen: 76.199 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 374434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.7 | 83.7 |
| 98 | 39.4 | 18.6 | 58.6 |

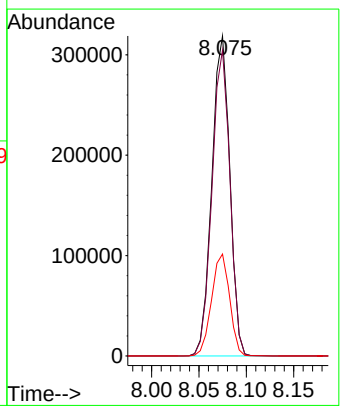


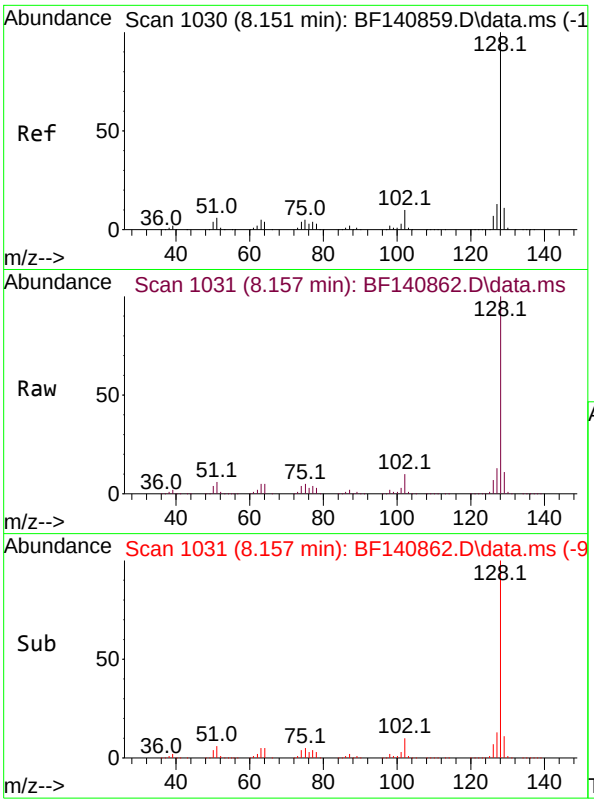




#30
1,2,4-Trichlorobenzene
Concen: 74.635 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:180 Resp: 420429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 75.8 | 113.6 |
| 145 | 31.9 | 25.2 | 37.8 |



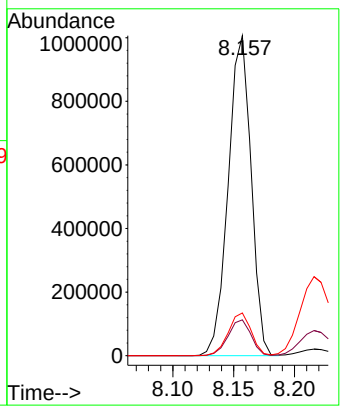


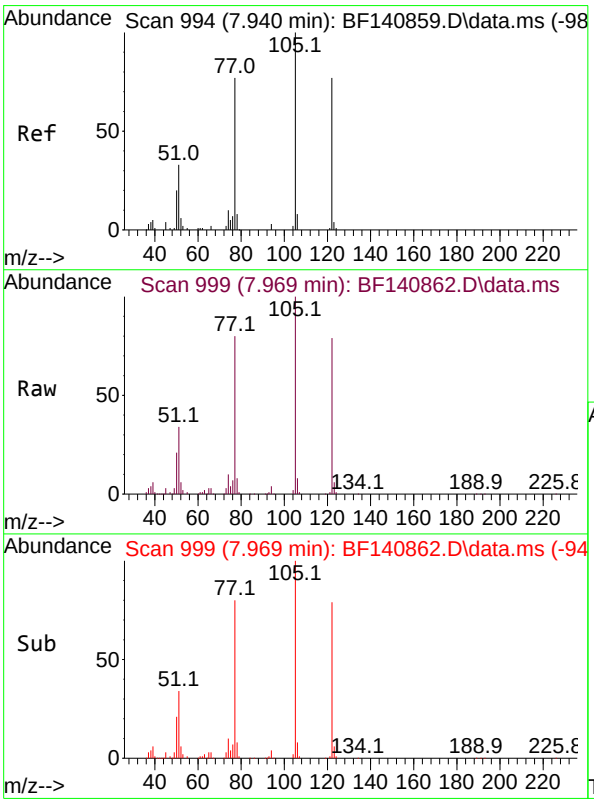

#31
Naphthalene
Concen: 74.301 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 1318982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |

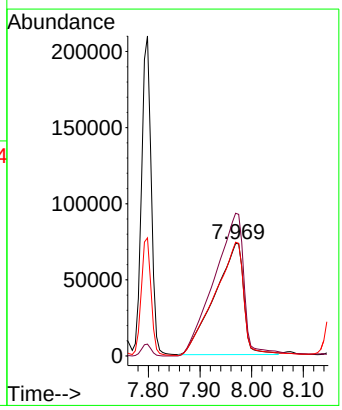


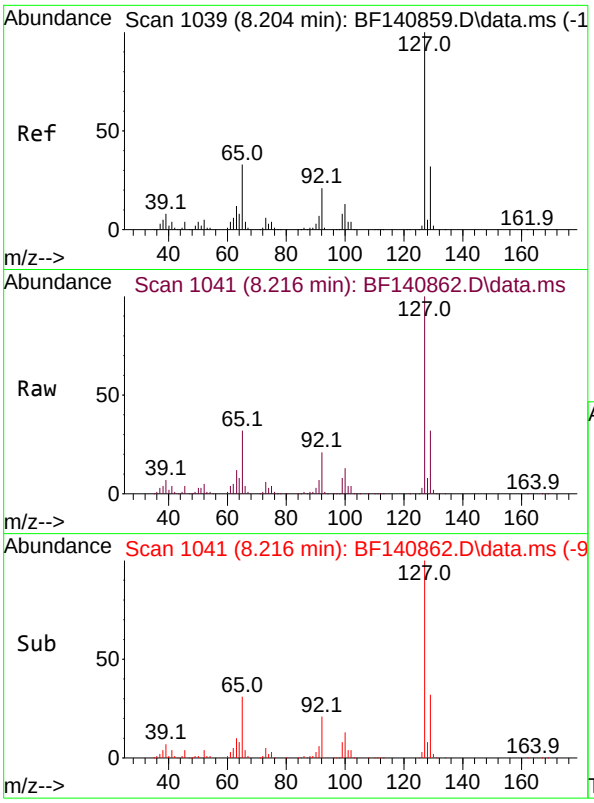




#32
Benzoic acid
Concen: 84.342 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.029 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:122 Resp: 284705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.9 | 108.3 | 148.3 |
| 77 | 101.2 | 78.8 | 118.8 |



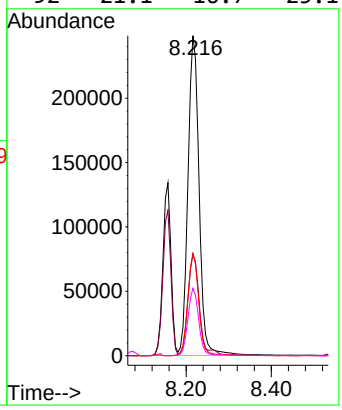


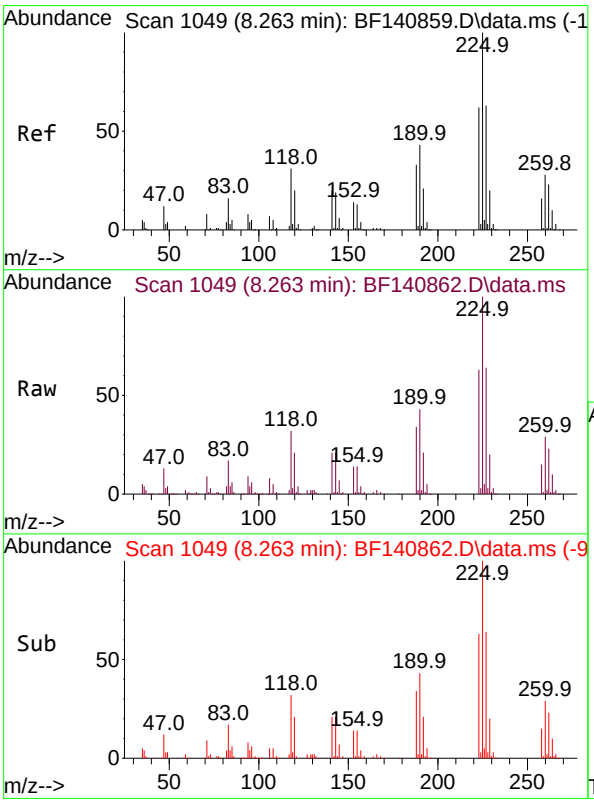

#33
4-Chloroaniline
Concen: 76.586 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 451539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 26.0 | 39.0 |
| 65 | 31.9 | 26.0 | 39.0 |
| 92 | 21.1 | 16.7 | 25.1 |

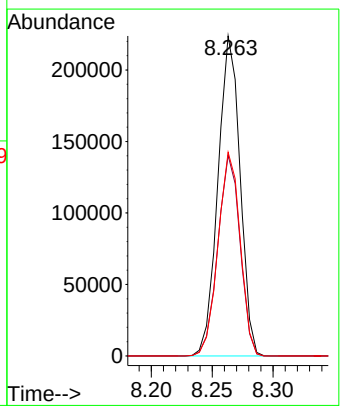


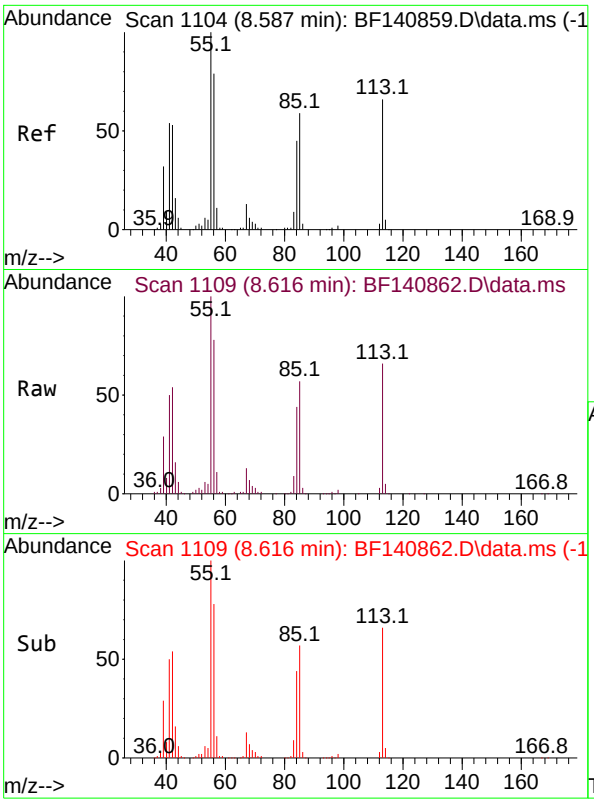




#34
Hexachlorobutadiene
Concen: 74.615 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:225 Resp: 282790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.7 | 49.6 | 74.4 |
| 227 | 63.7 | 50.7 | 76.1 |



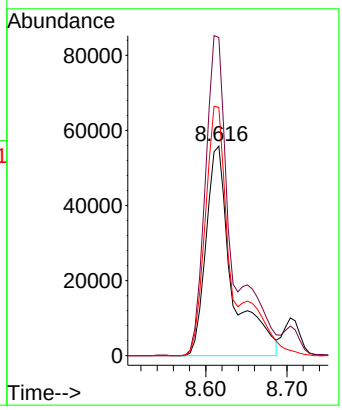


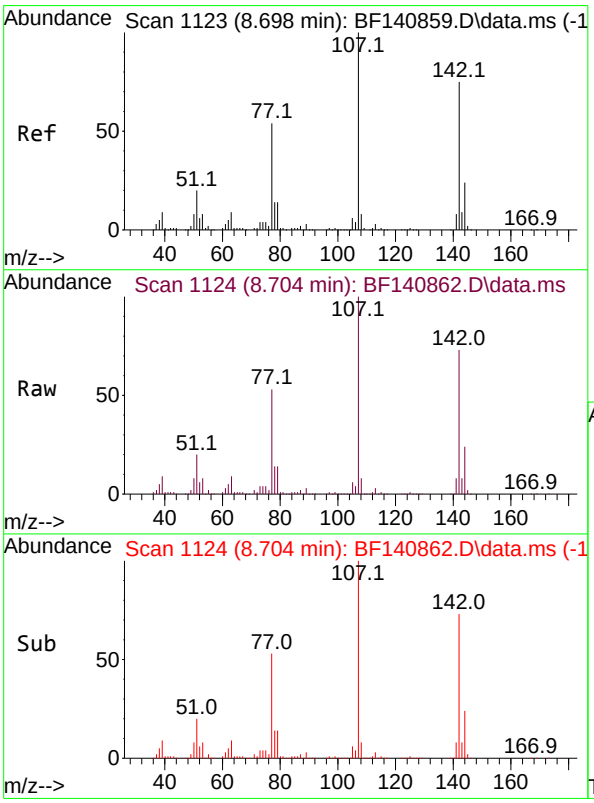

#35
Caprolactam
Concen: 85.813 ng m
RT: 8.616 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 125537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 151.8 | 132.3 | 172.3 |
| 56 | 118.4 | 100.3 | 140.3 |

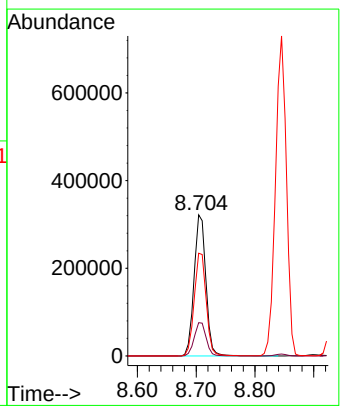


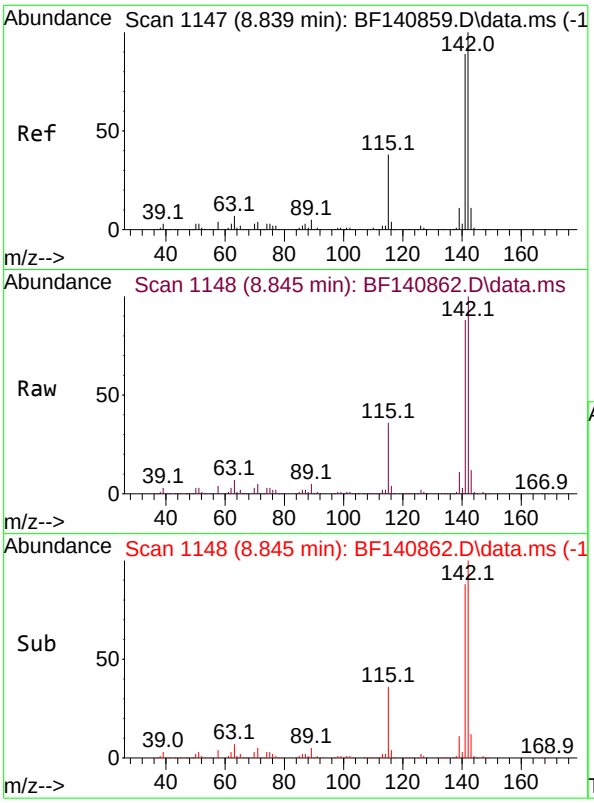




#36
4-Chloro-3-methylphenol
Concen: 81.301 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:107 Resp: 449654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.5 | 19.4 | 29.2 |
| 142 | 72.8 | 60.3 | 90.5 |



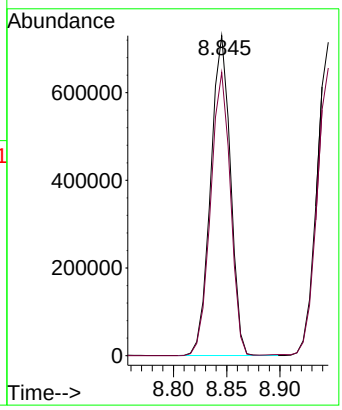


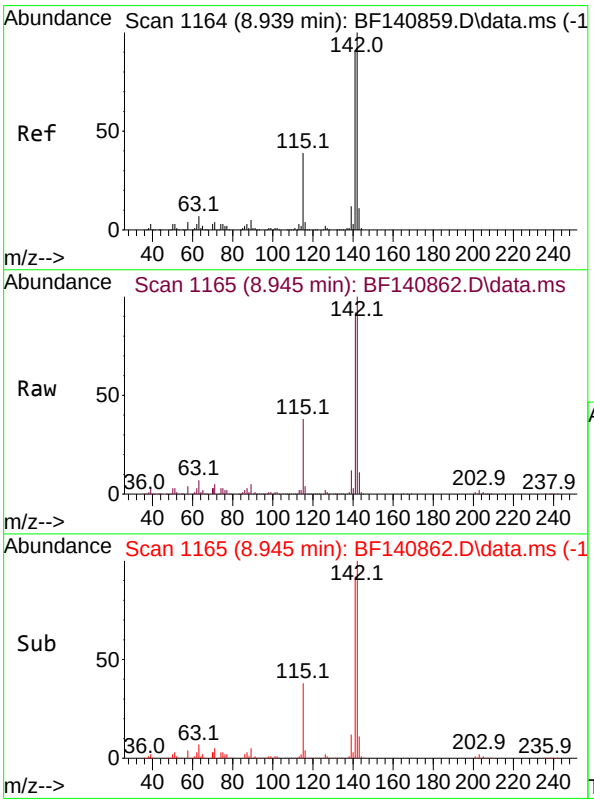

#37
2-Methylnaphthalene
Concen: 80.295 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 942892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.0 | 106.6 |

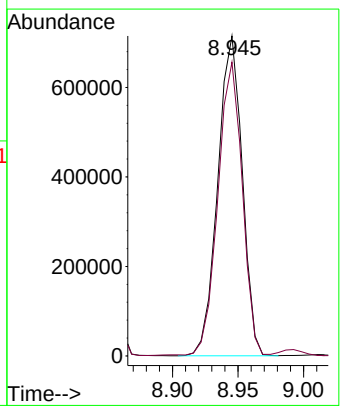


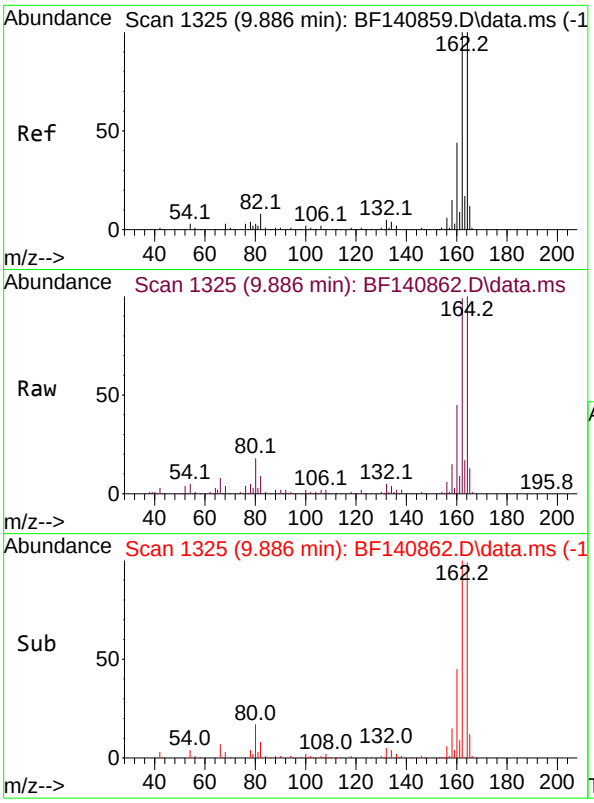




#38
1-Methylnaphthalene
Concen: 79.695 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:142 Resp: 925535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.4 | 110.0 |



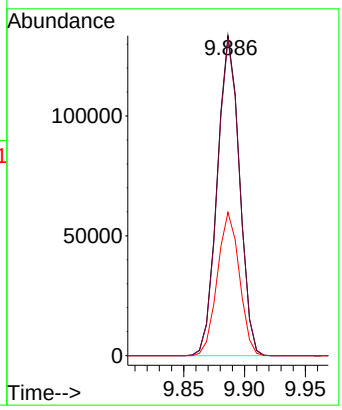


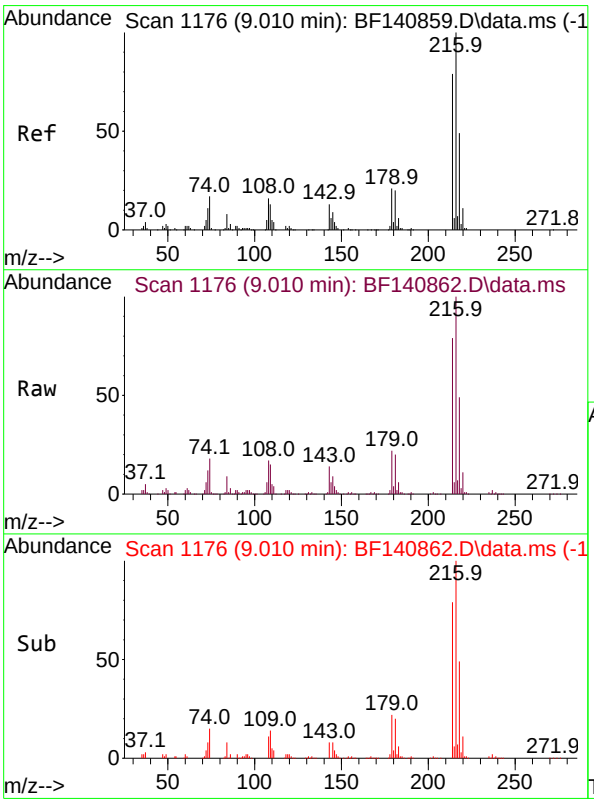

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 169321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 79.9 | 119.9 |
| 160 | 44.8 | 35.2 | 52.8 |

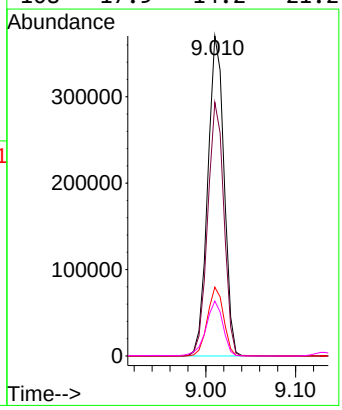


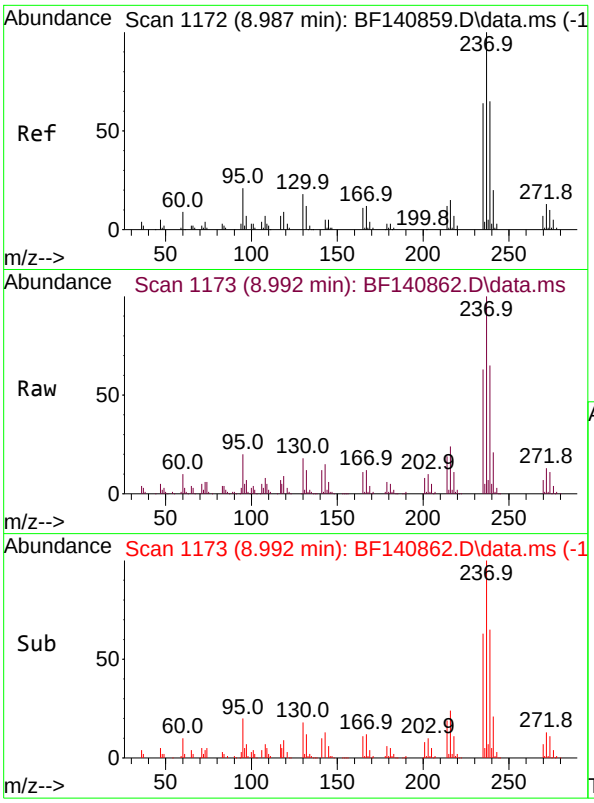




#40
1,2,4,5-Tetrachlorobenzene
Concen: 89.625 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:216 Resp: 466438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 63.6 | 95.4 |
| 179 | 21.3 | 17.0 | 25.4 |
| 108 | 17.9 | 14.2 | 21.2 |



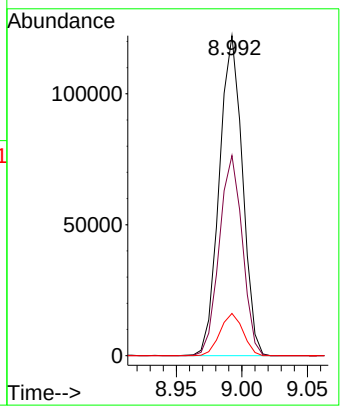


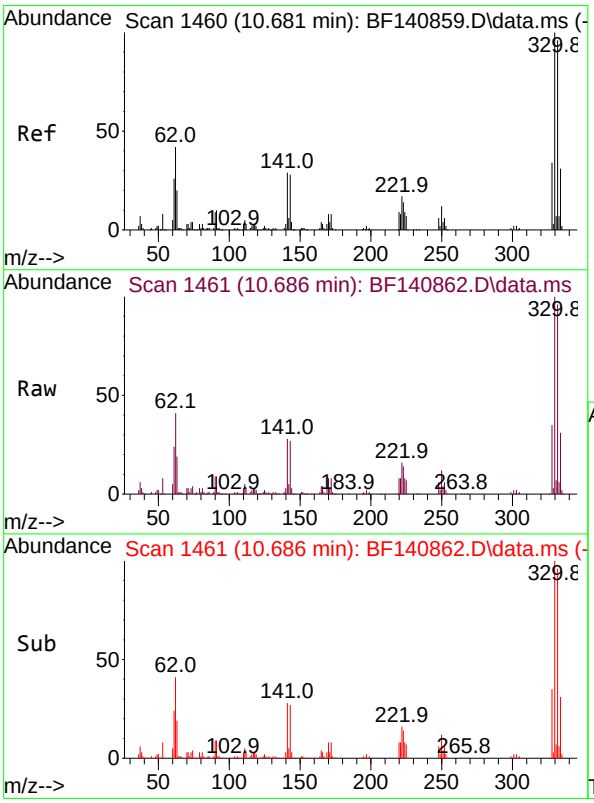

#41
Hexachlorocyclopentadiene
Concen: 80.025 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 149909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.7 | 83.7 |
| 272 | 13.2 | 0.0 | 32.9 |

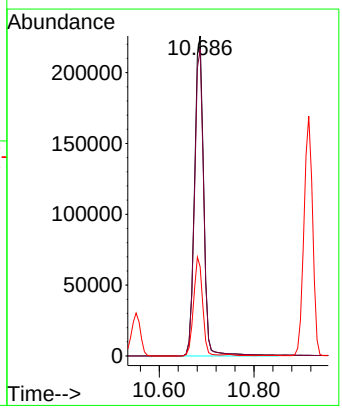


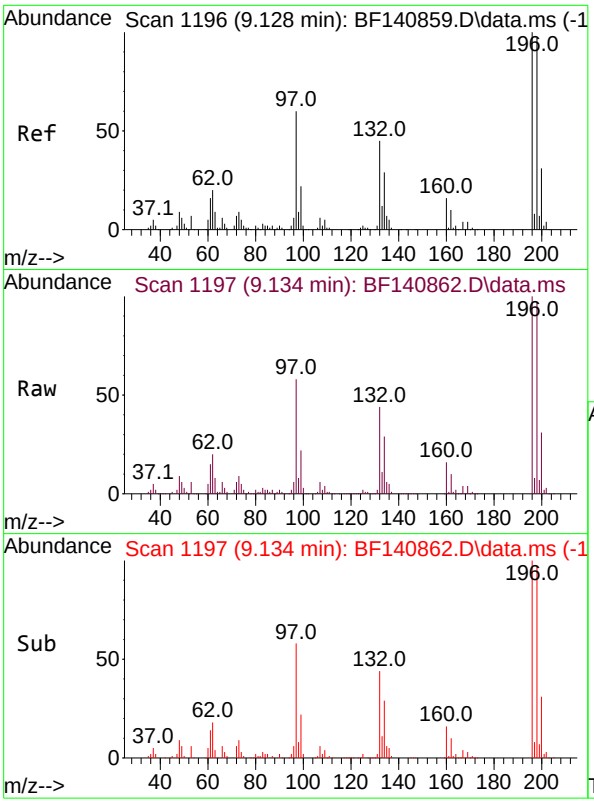




#42
2,4,6-Tribromophenol
Concen: 152.164 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:330 Resp: 304721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.2 | 114.4 |
| 141 | 30.2 | 24.9 | 37.3 |



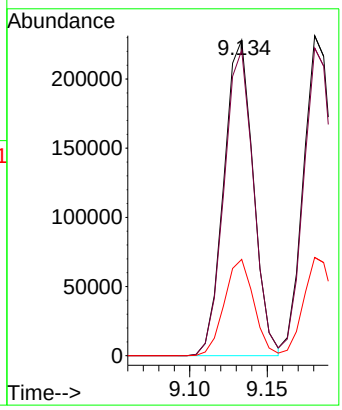


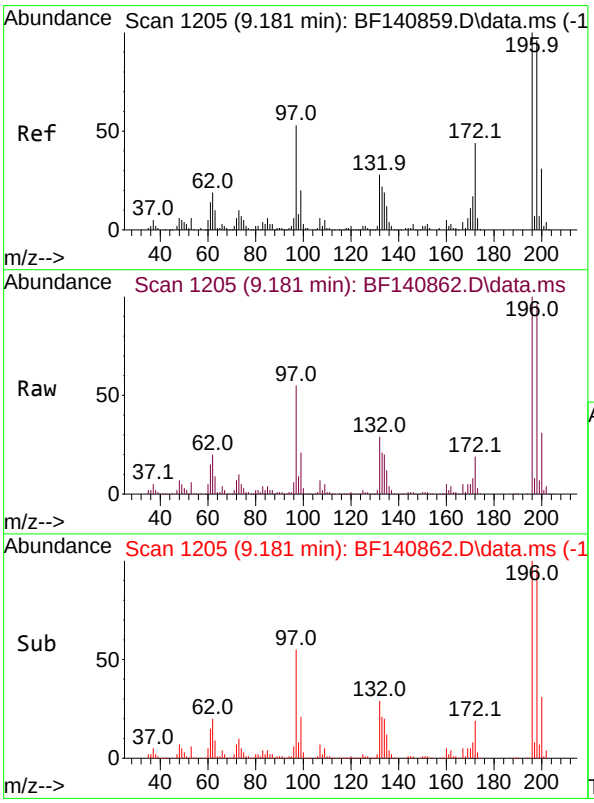

#43
2,4,6-Trichlorophenol
Concen: 94.714 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 301828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 77.4 | 116.0 |
| 200 | 30.5 | 24.5 | 36.7 |

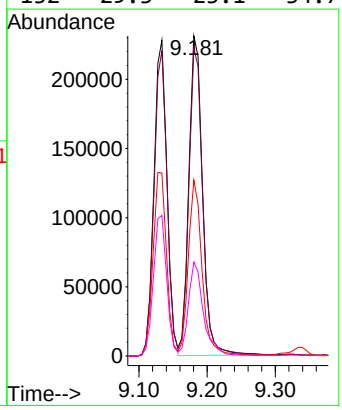


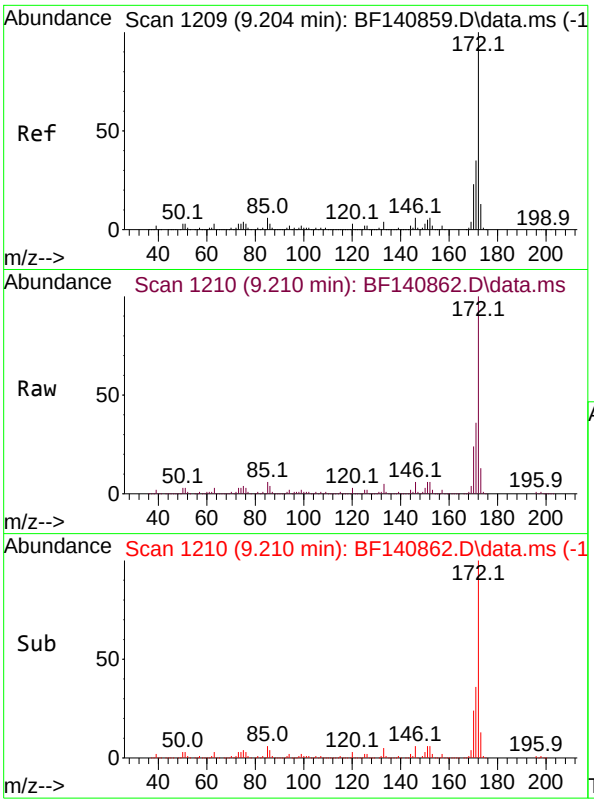




#44
2,4,5-Trichlorophenol
Concen: 91.760 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:196 Resp: 321402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 77.2 | 115.8 |
| 97 | 54.9 | 42.2 | 63.4 |
| 132 | 29.3 | 23.1 | 34.7 |



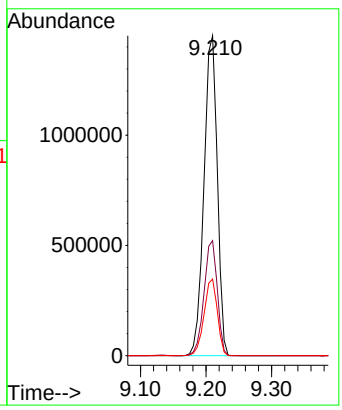


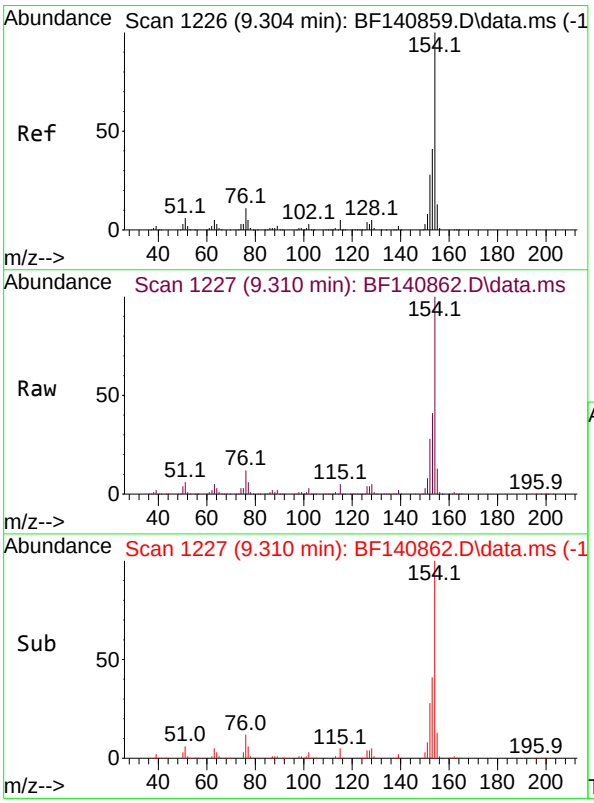

#45
2-Fluorobiphenyl
Concen: 166.807 ng
RT: 9.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 2054327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.4 | 42.6 |
| 170 | 24.0 | 18.6 | 28.0 |

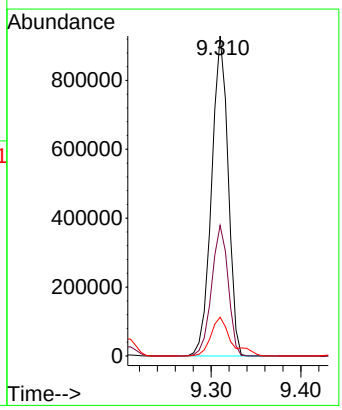


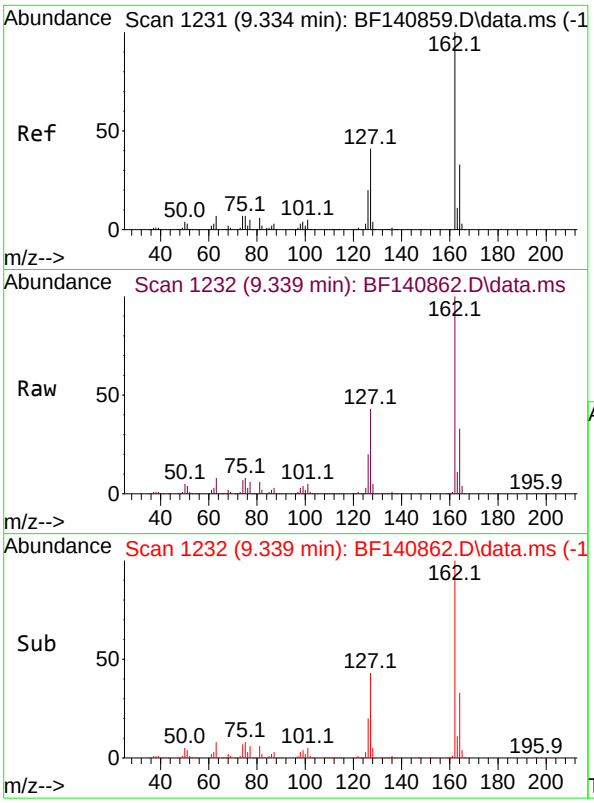




#46
1,1'-Biphenyl
Concen: 88.155 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:154 Resp: 1186930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.8 | 60.8 |
| 76 | 12.1 | 0.0 | 31.0 |



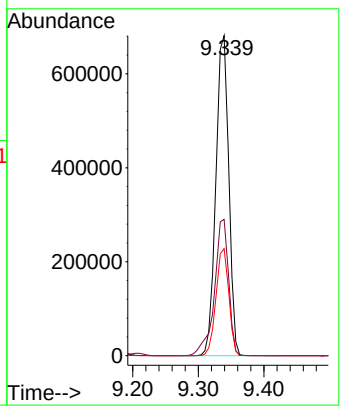


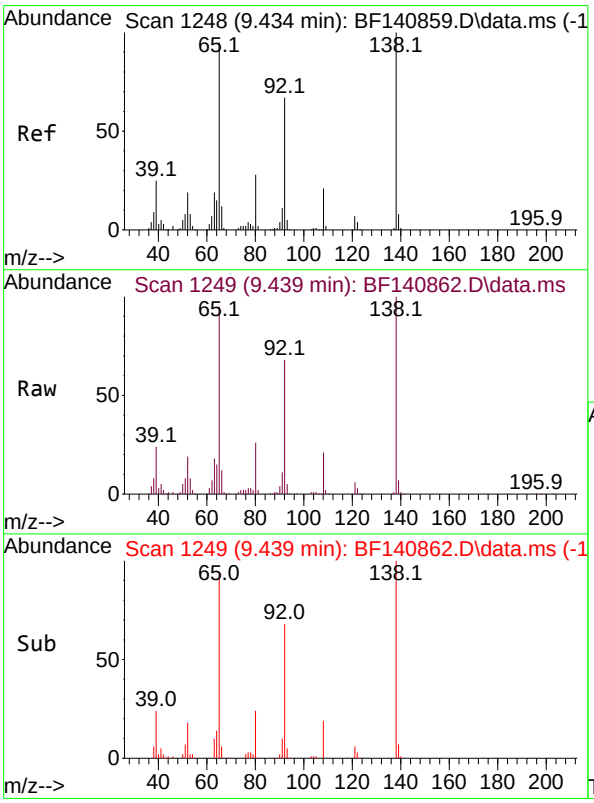

#47
2-Chloronaphthalene
Concen: 90.075 ng
RT: 9.339 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 927799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.6 | 33.5 | 50.3 |
| 164 | 33.4 | 26.2 | 39.2 |

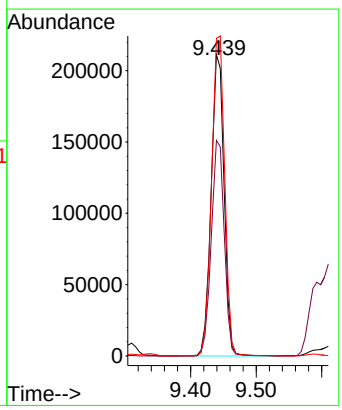


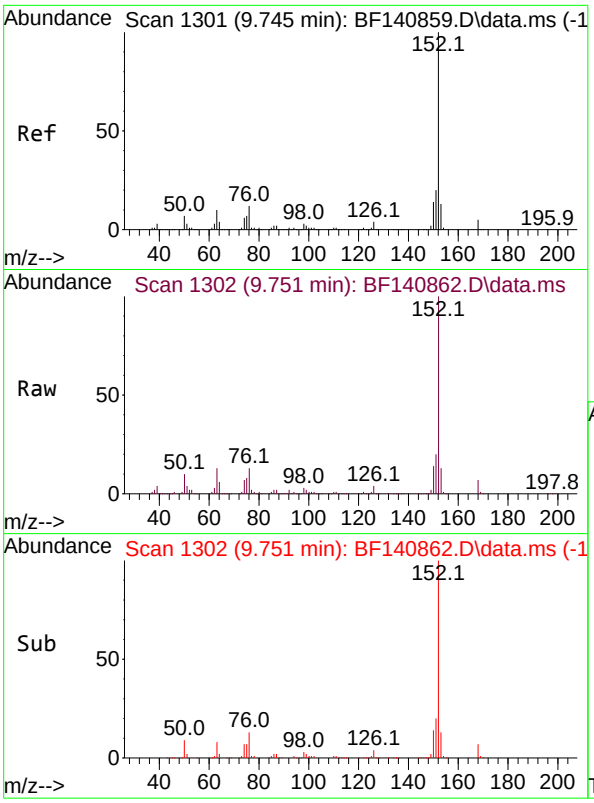




#48
2-Nitroaniline
Concen: 93.162 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 65 Resp: 289810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 56.3 | 84.5 |
| 138 | 105.3 | 83.8 | 125.6 |



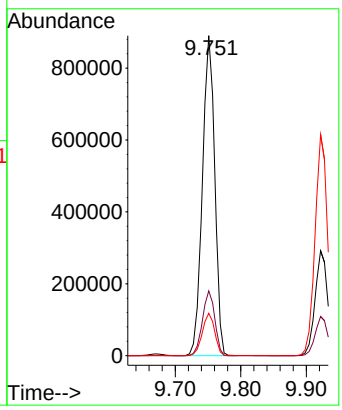


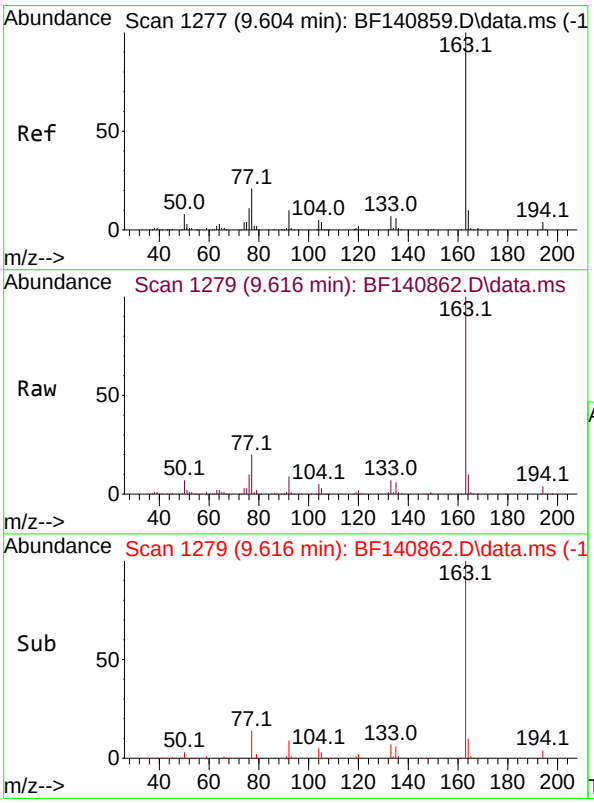

#49
Acenaphthylene
Concen: 77.278 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 1169747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 16.0 |

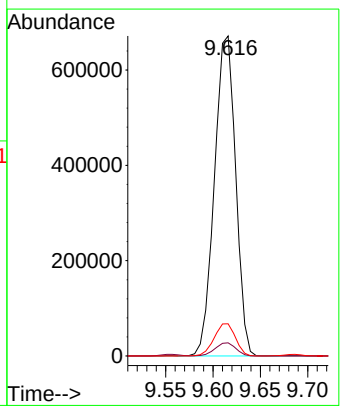


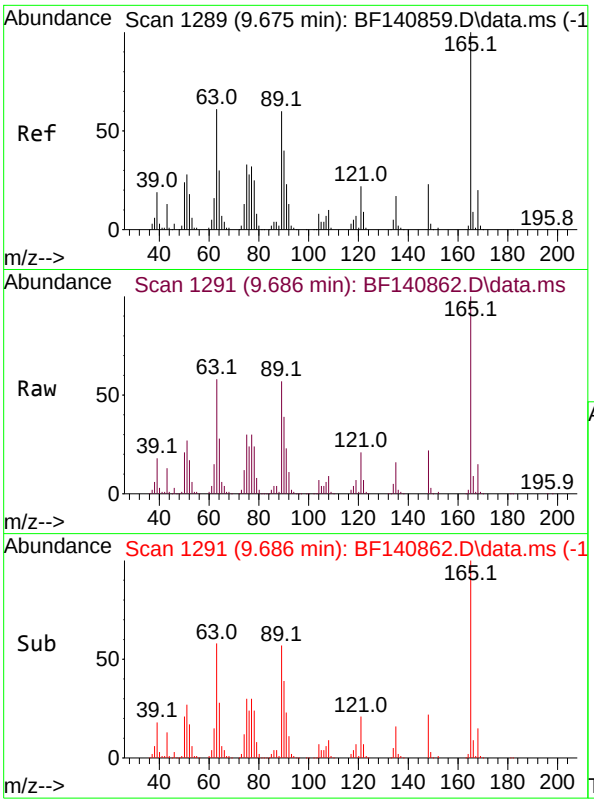




#50
Dimethylphthalate
Concen: 87.890 ng
RT: 9.616 min Scan# 1279
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:163 Resp: 1049196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.1 | 12.1 |



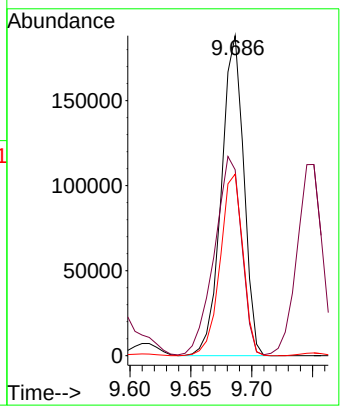


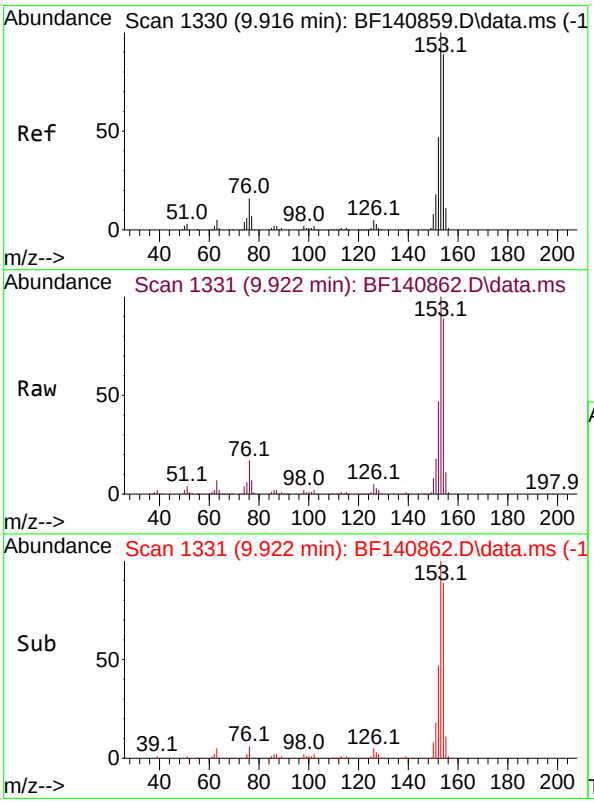

#51
2,6-Dinitrotoluene
Concen: 88.104 ng
RT: 9.686 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 240439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 49.7 | 74.5 |
| 89 | 56.8 | 48.2 | 72.4 |

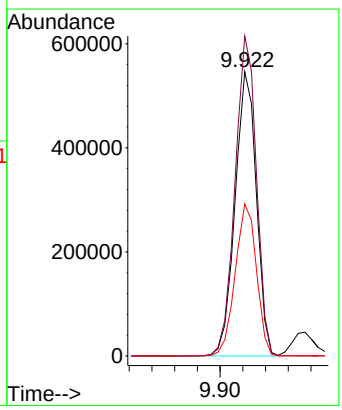


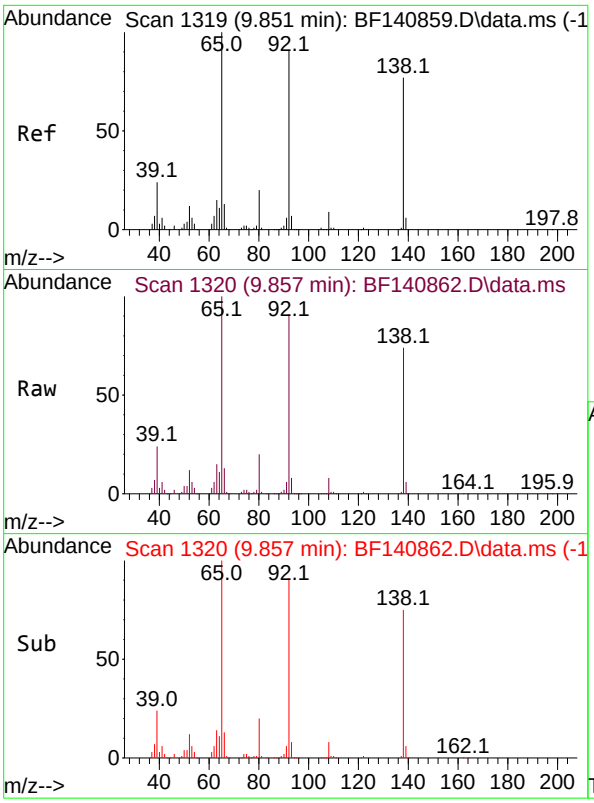




#52
Acenaphthene
Concen: 73.511 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:154 Resp: 710789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.6 | 89.9 | 134.9 |
| 152 | 53.5 | 42.6 | 63.8 |



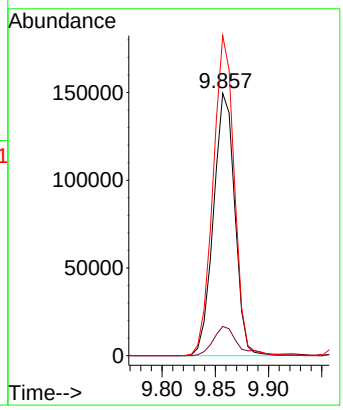


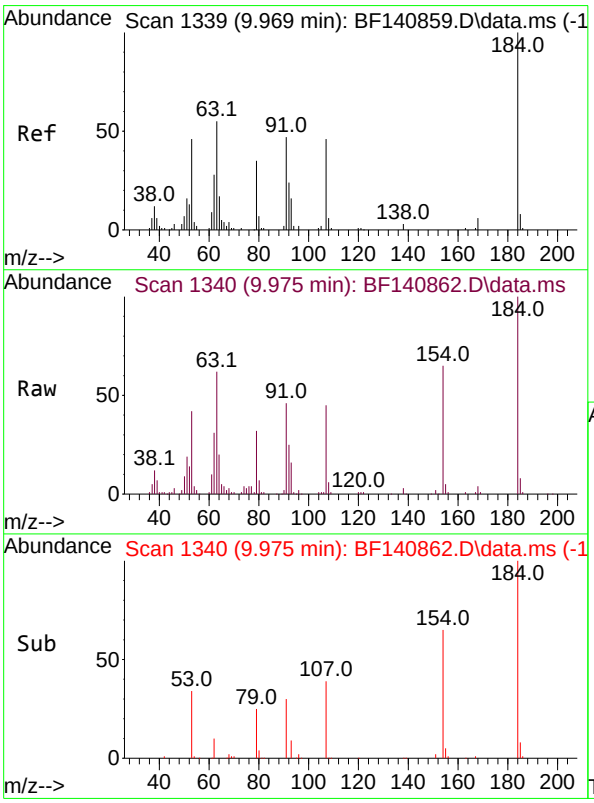

#53
3-Nitroaniline
Concen: 76.804 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 208004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 122.0 | 95.5 | 143.3 |

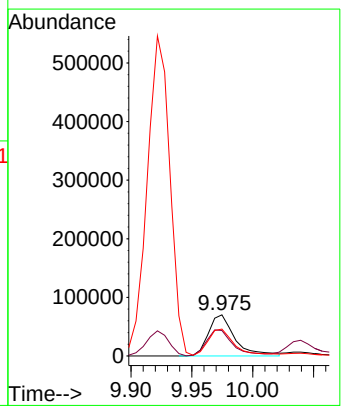


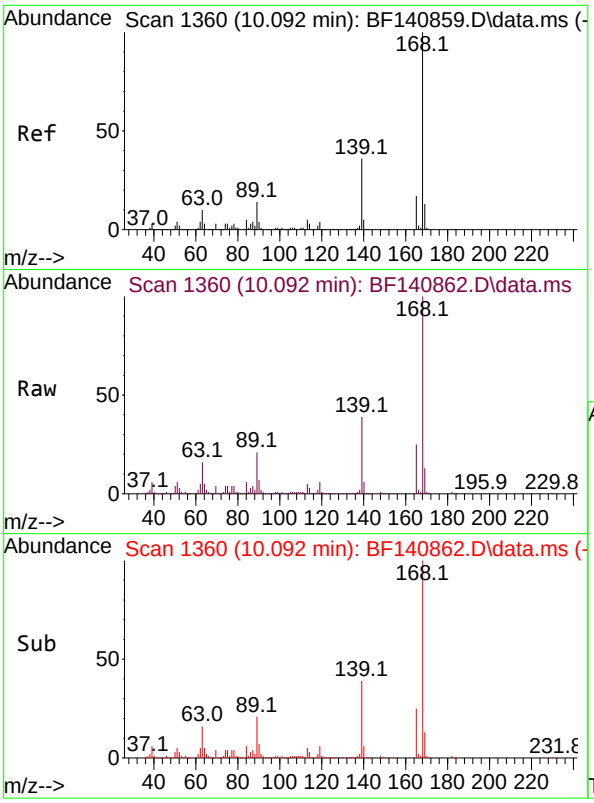




#54
2,4-Dinitrophenol
Concen: 79.797 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:184 Resp: 106230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.0 | 51.6 | 77.4 |
| 154 | 65.4 | 56.1 | 84.1 |



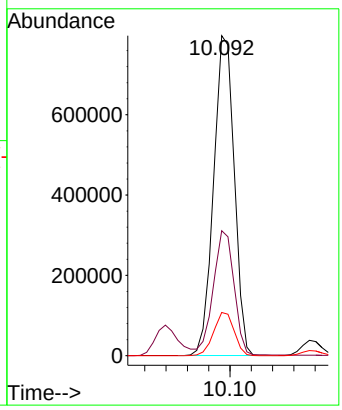


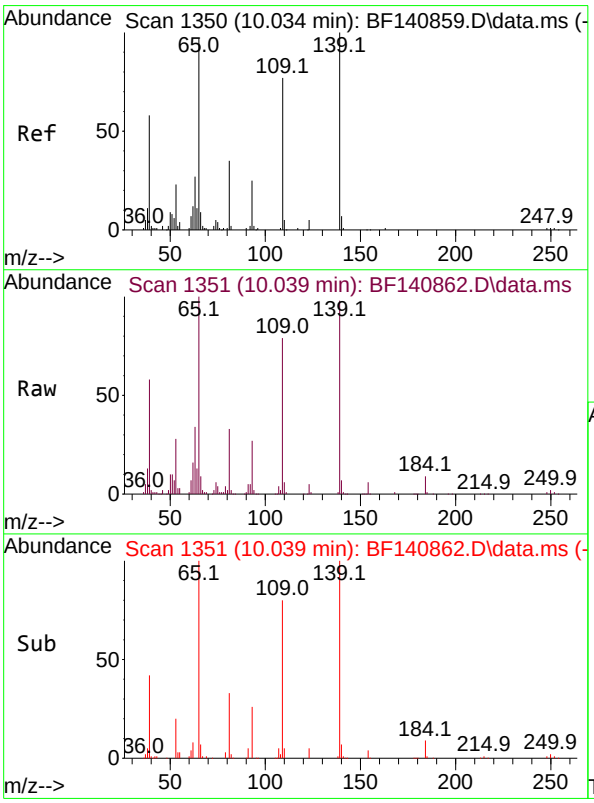

#55
Dibenzofuran
Concen: 71.543 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 1071923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.1 | 31.1 | 46.7 |
| 169 | 13.5 | 10.6 | 16.0 |

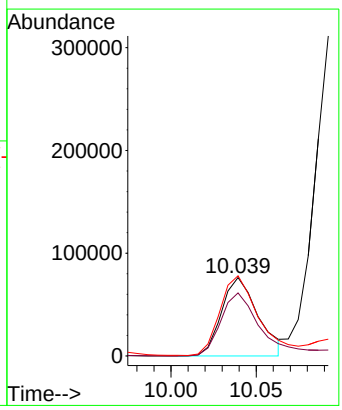


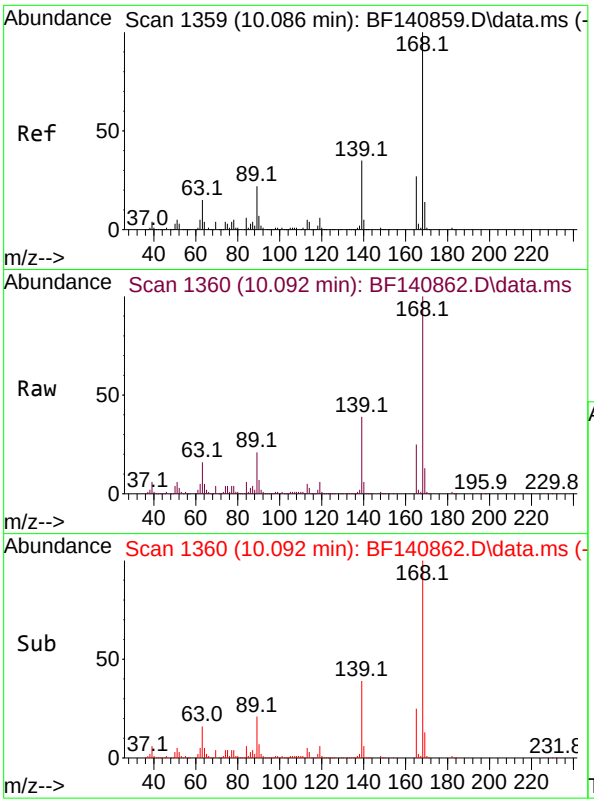




#56
4-Nitrophenol
Concen: 77.685 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:139 Resp: 112972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.5 | 56.7 | 96.7 |
| 65 | 102.3 | 78.1 | 118.1 |



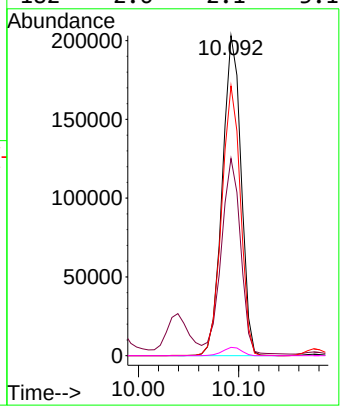


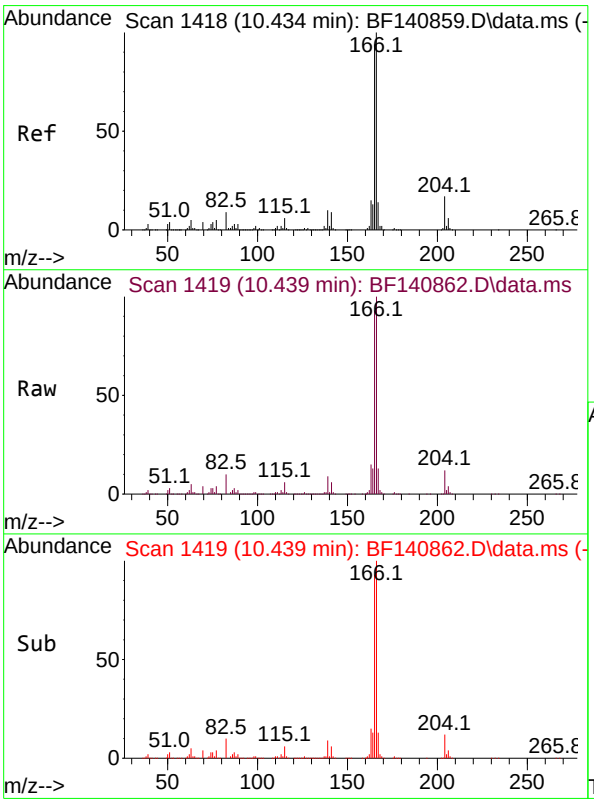

#57
2,4-Dinitrotoluene
Concen: 73.423 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 263636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 49.3 | 73.9 |
| 89 | 84.3 | 66.2 | 99.4 |
| 182 | 2.6 | 2.1 | 3.1 |

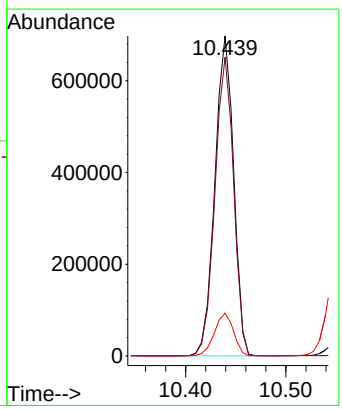


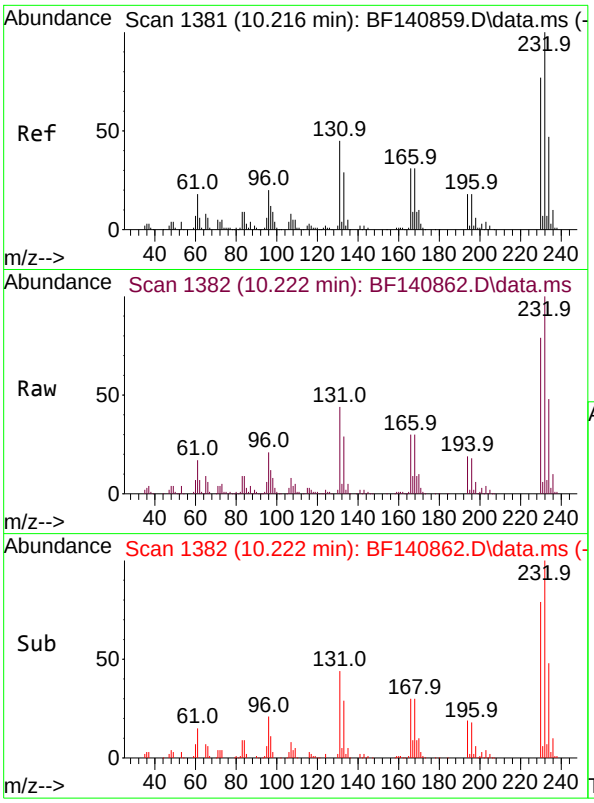




#58
Fluorene
Concen: 73.147 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:166 Resp: 904163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.3 | 75.1 | 112.7 |
| 167 | 13.4 | 11.1 | 16.7 |



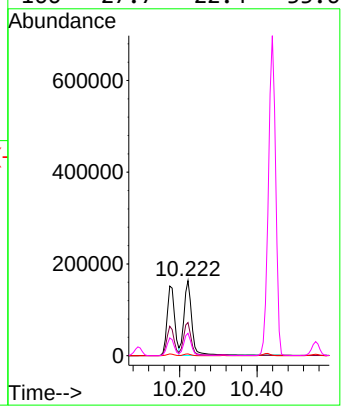


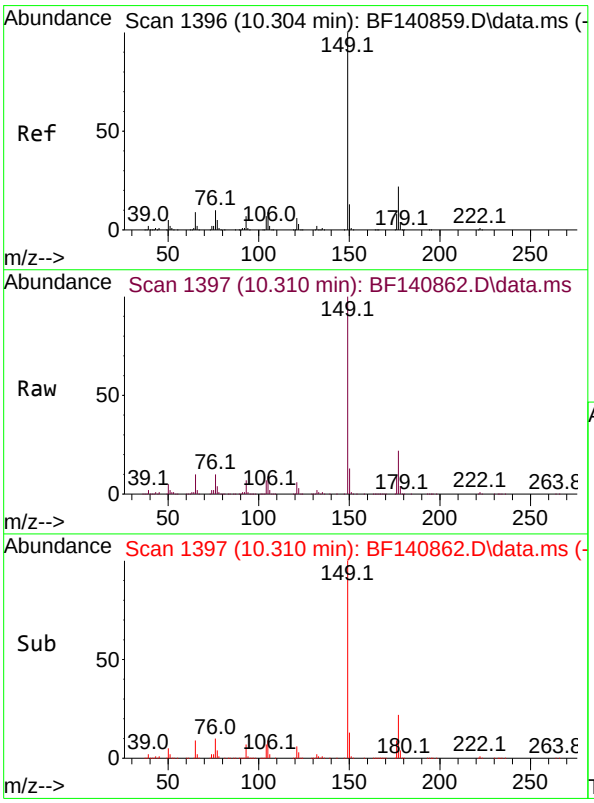

#59
2,3,4,6-Tetrachlorophenol
Concen: 80.870 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 230812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.4 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 27.7 | 22.4 | 33.6 |

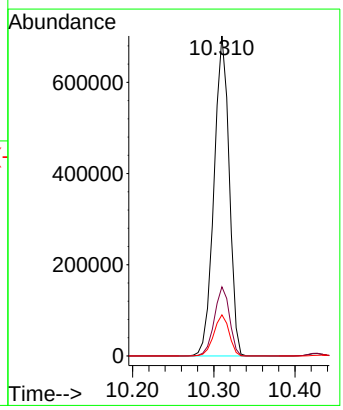


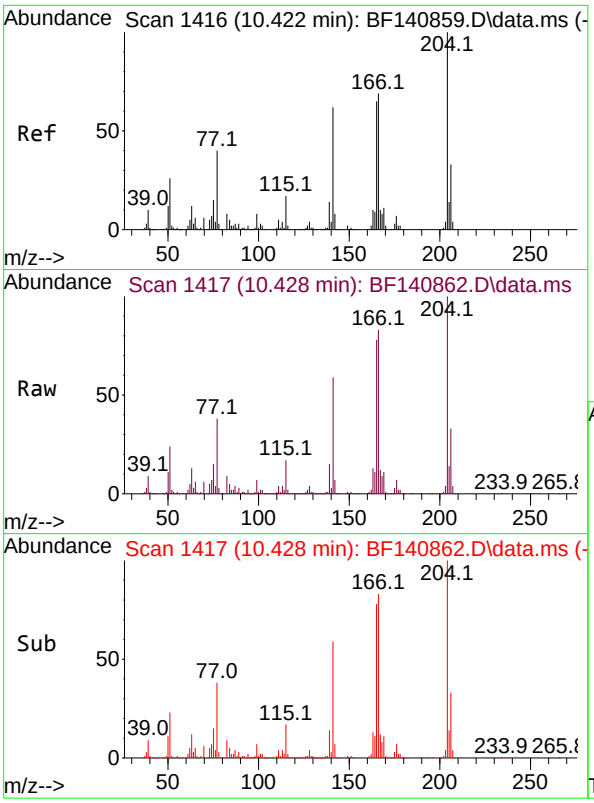




#60
Diethylphthalate
Concen: 73.664 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 911868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.2 | 25.8 |
| 150 | 12.8 | 10.1 | 15.1 |



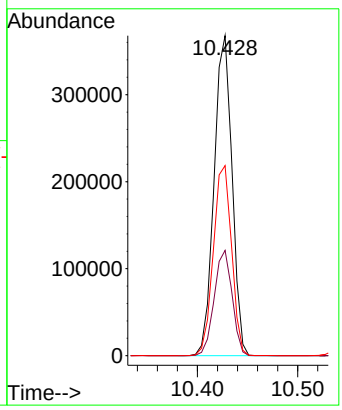


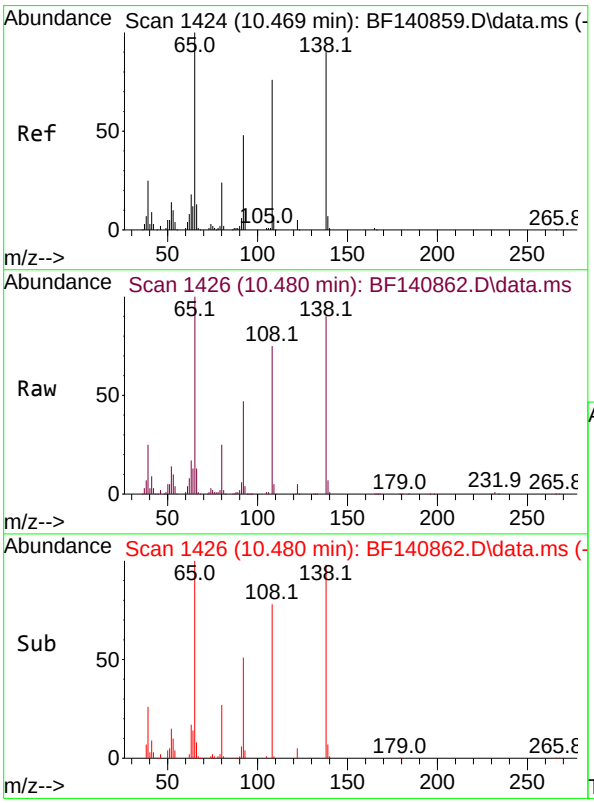

#61
4-Chlorophenyl-phenylether
Concen: 73.562 ng
RT: 10.428 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 456754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.5 | 39.7 |
| 141 | 59.4 | 50.0 | 75.0 |

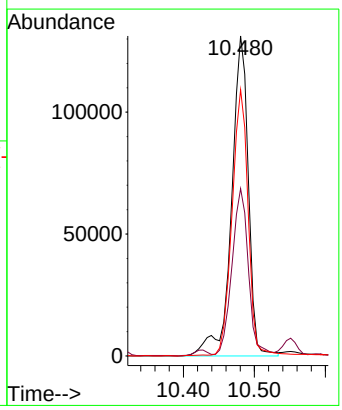


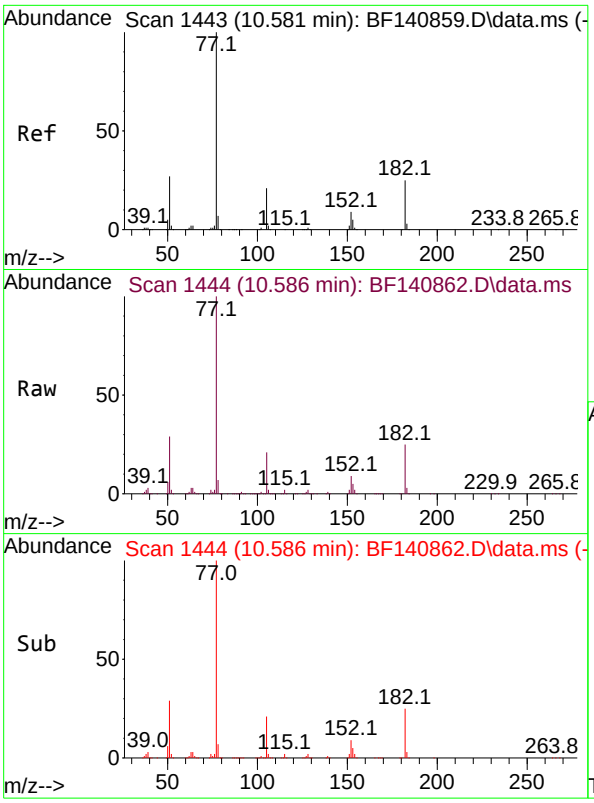




#62
4-Nitroaniline
Concen: 76.547 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:138 Resp: 216635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.3 | 32.6 | 72.6 |
| 108 | 83.2 | 64.1 | 104.1 |



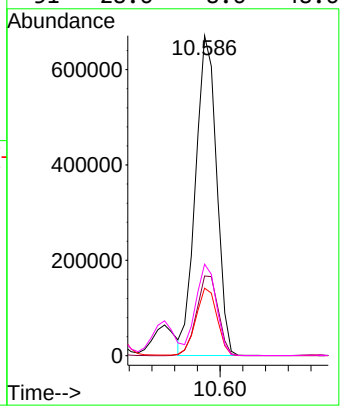


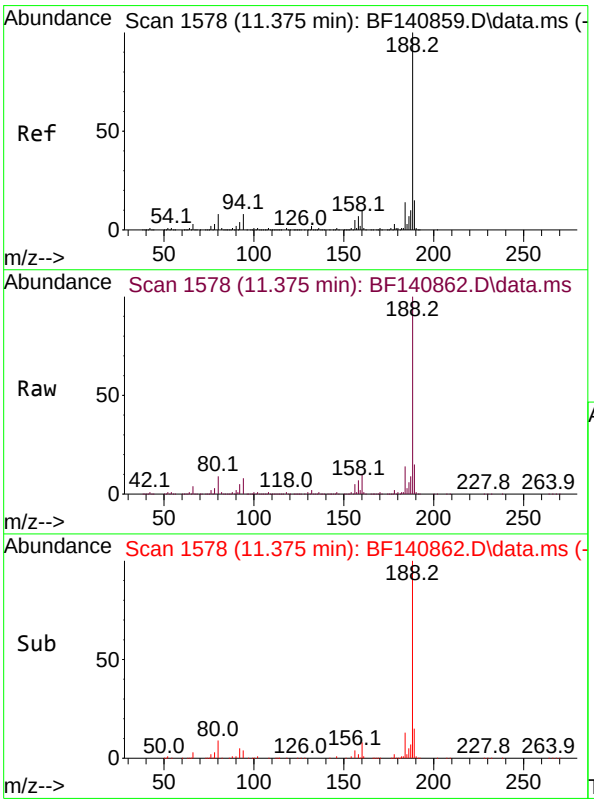

#63
Azobenzene
Concen: 74.110 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 862457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.9 | 4.5 | 44.5 |
| 105 | 21.1 | 0.9 | 40.9 |
| 51 | 28.6 | 8.6 | 48.6 |

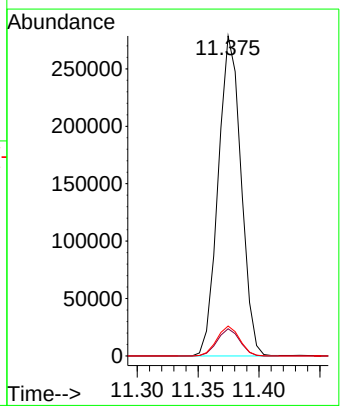


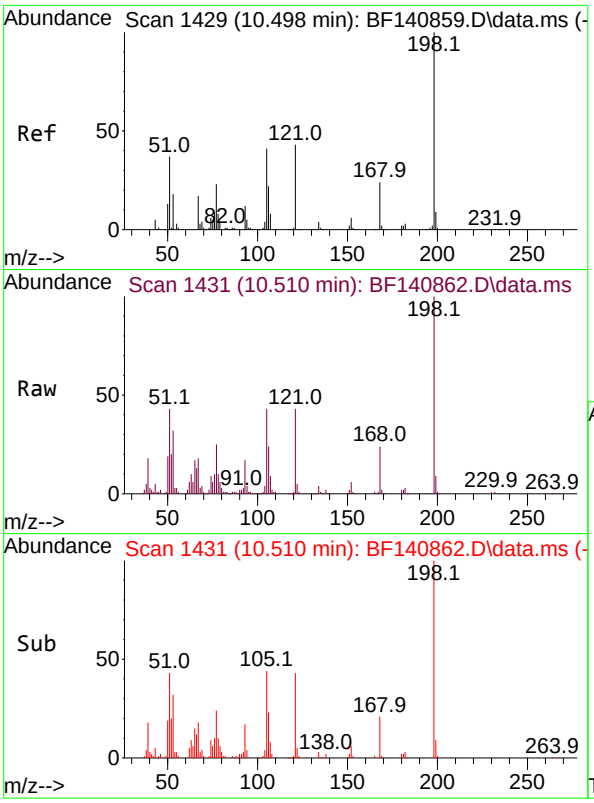




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:188 Resp: 364516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 9.4 | 6.8 | 10.2 |



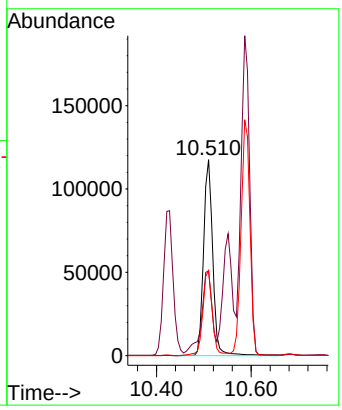


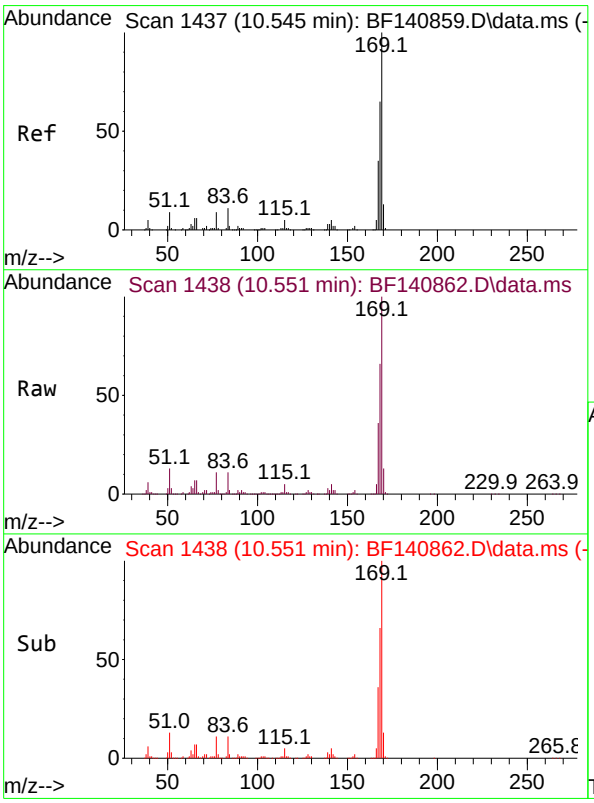

#65
4,6-Dinitro-2-methylphenol
Concen: 76.975 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 158996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.3 | 24.4 | 64.4 |
| 105 | 43.4 | 22.1 | 62.1 |

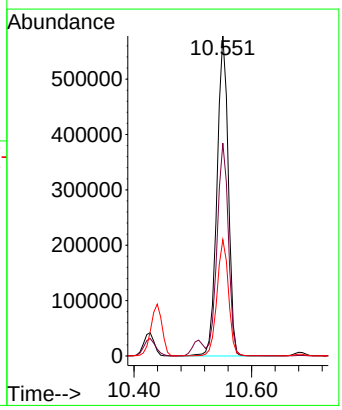


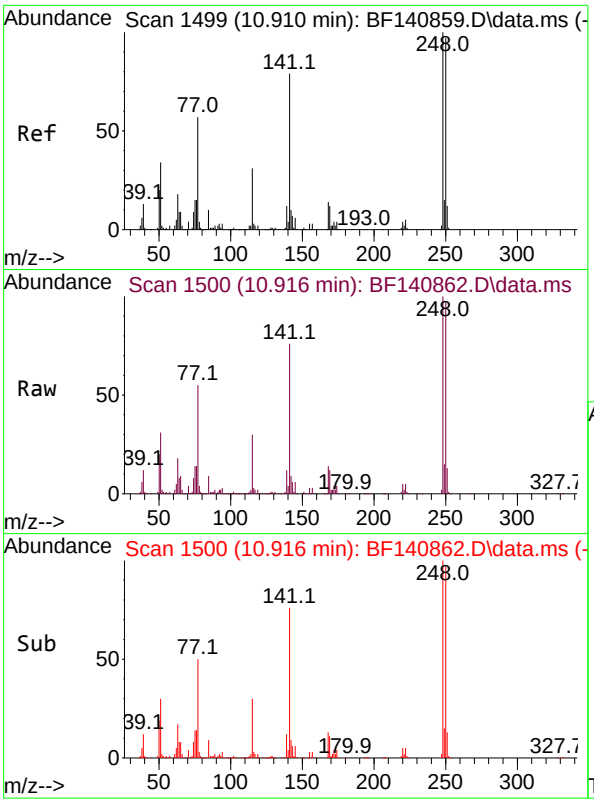




#66
n-Nitrosodiphenylamine
Concen: 68.519 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:169 Resp: 767906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.4 | 80.0 |
| 167 | 36.3 | 28.3 | 42.5 |



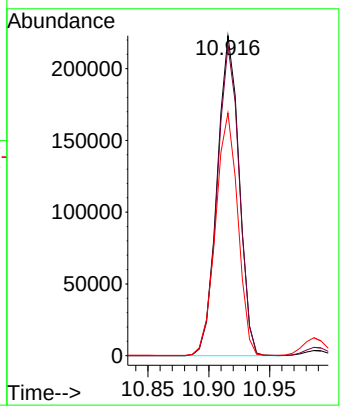


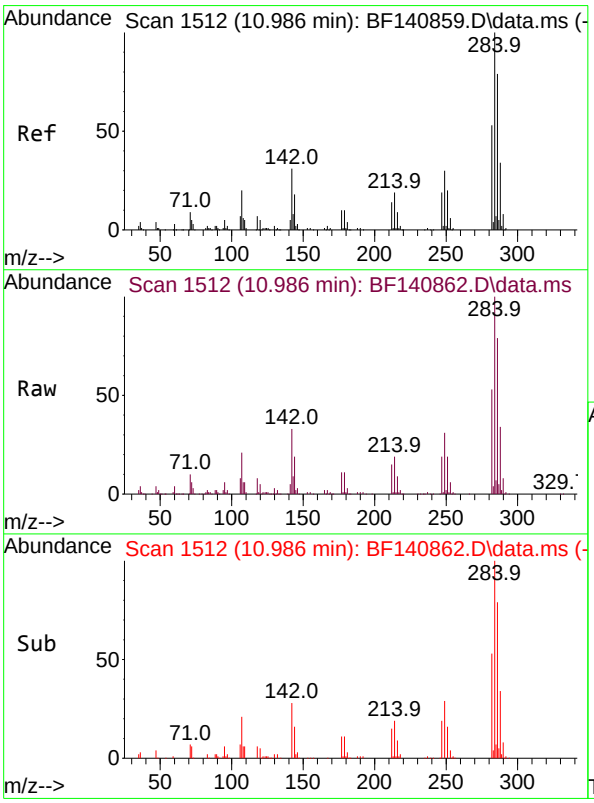

#67
4-Bromophenyl-phenylether
Concen: 68.648 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 279941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.9 | 77.4 | 116.2 |
| 141 | 75.9 | 62.9 | 94.3 |

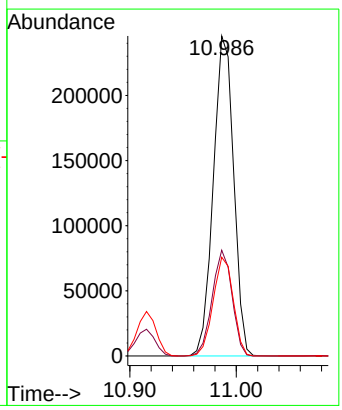


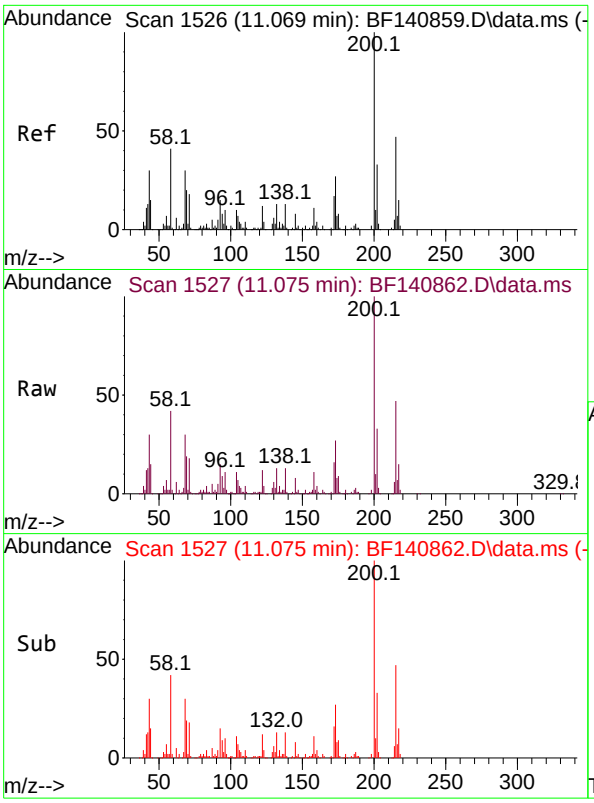




#68
Hexachlorobenzene
Concen: 70.220 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:284 Resp: 324661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.1 | 24.6 | 36.8 |
| 249 | 30.9 | 24.3 | 36.5 |



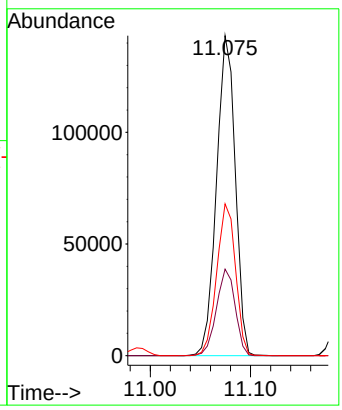


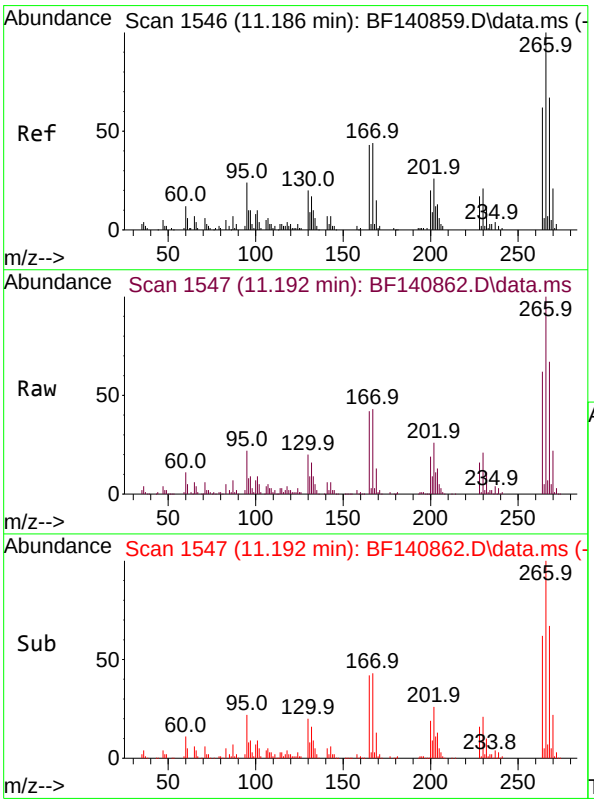

#69
Atrazine
Concen: 59.385 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 185877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 6.6 | 46.6 |
| 215 | 47.4 | 26.7 | 66.7 |

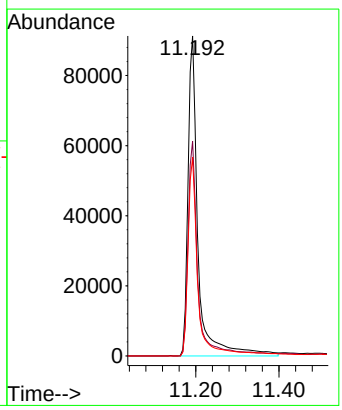


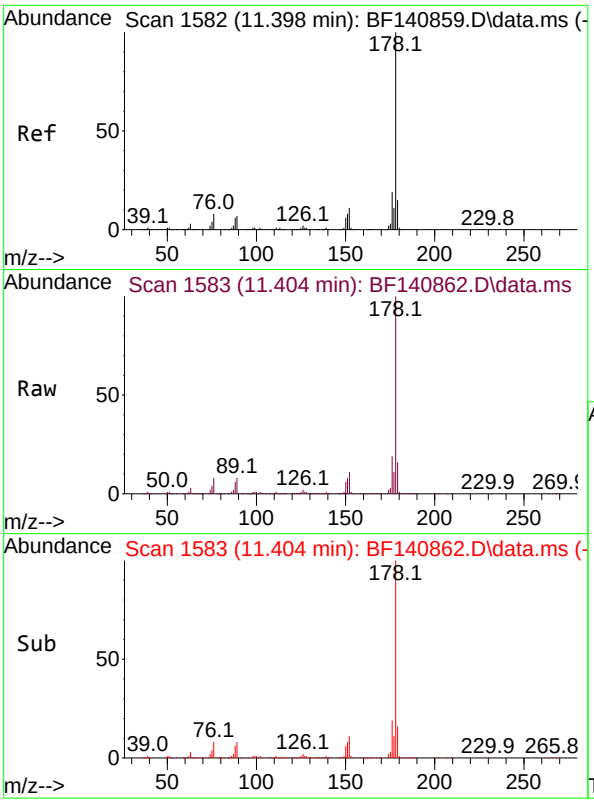




#70
Pentachlorophenol
Concen: 91.050 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:266 Resp: 153999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.1 | 54.0 | 81.0 |
| 264 | 62.1 | 49.4 | 74.2 |



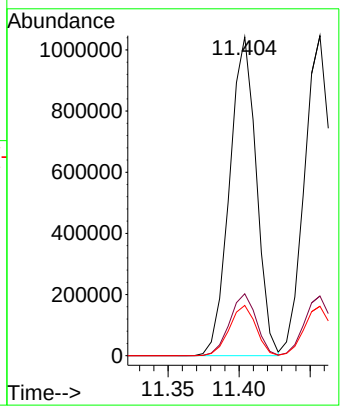


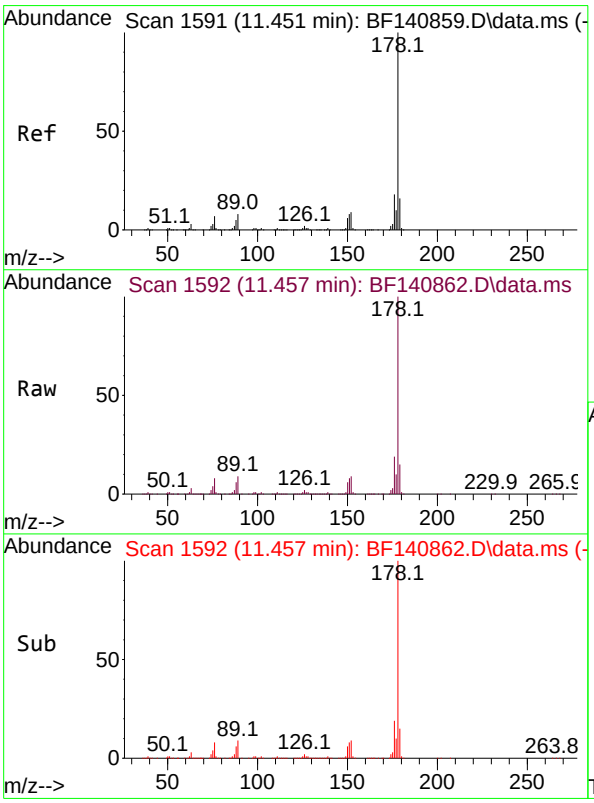

#71
Phenanthrene
Concen: 72.850 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 1365579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.2 |
| 179 | 15.8 | 12.1 | 18.1 |

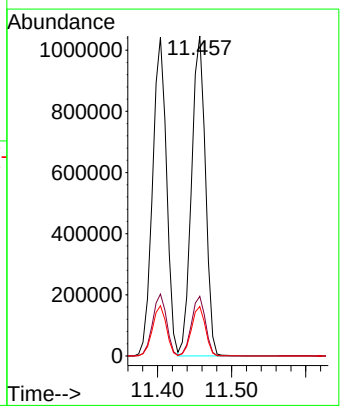


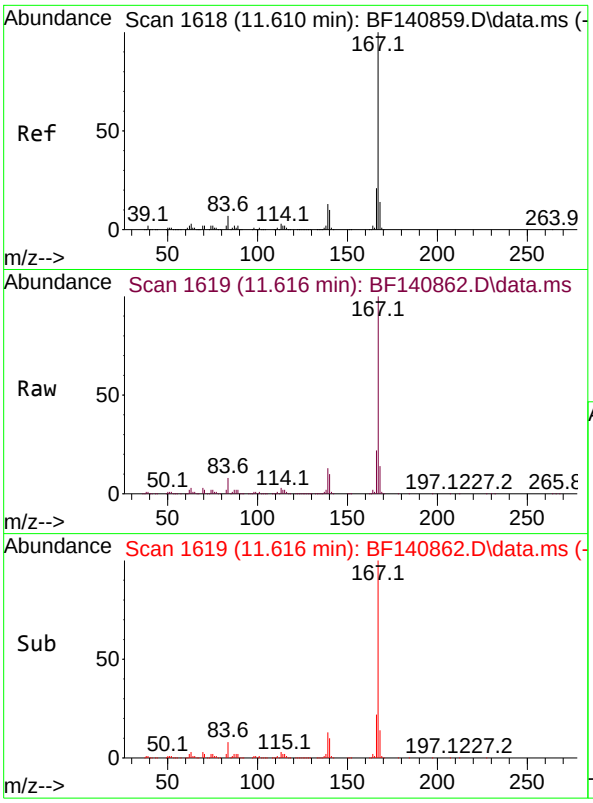




#72
Anthracene
Concen: 73.769 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:178 Resp: 1361788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |



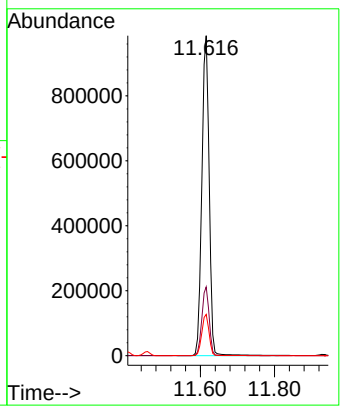


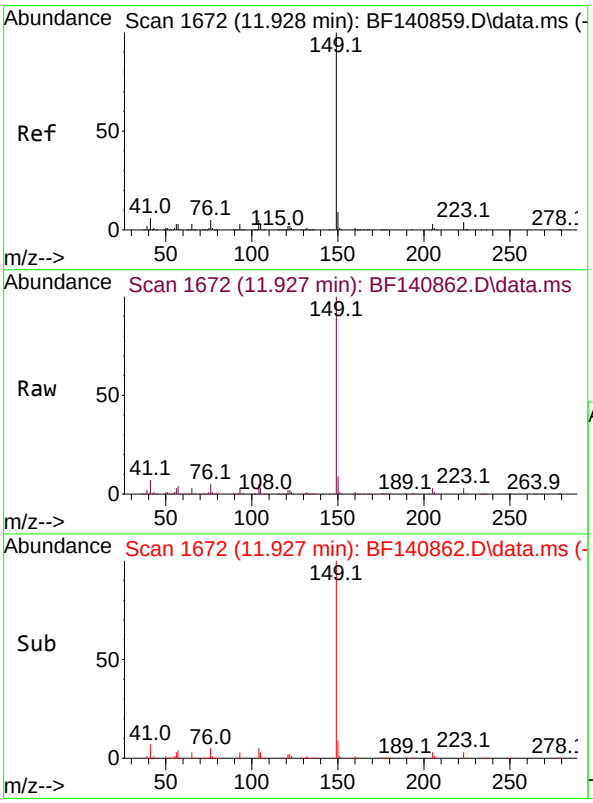

#73
Carbazole
Concen: 74.170 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 1341097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.0 | 25.6 |
| 139 | 12.9 | 10.2 | 15.2 |

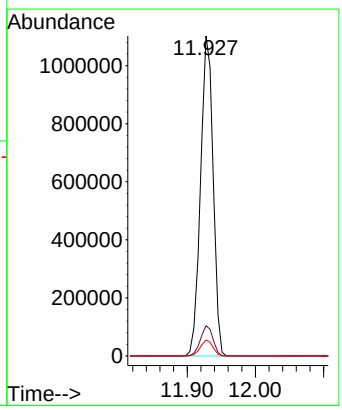


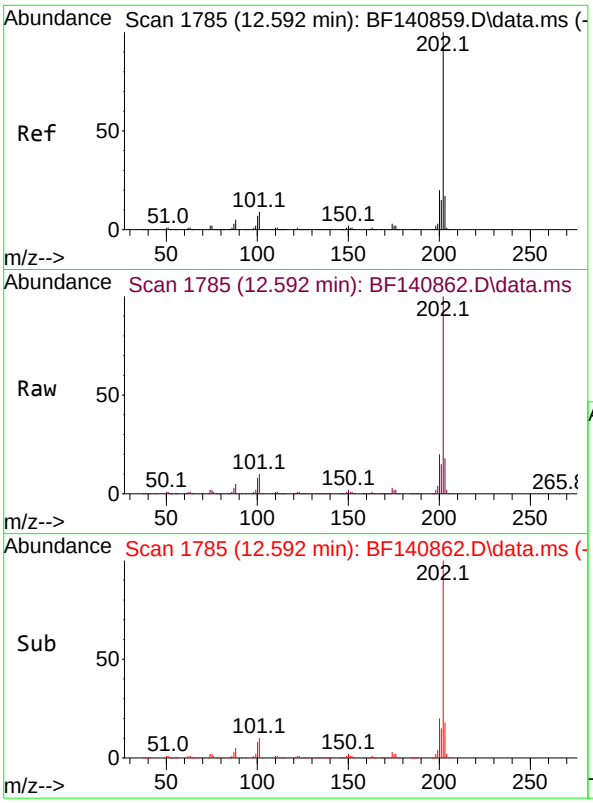




#74
Di-n-butylphthalate
Concen: 66.492 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 1410986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.5 | 11.3 |
| 104 | 5.0 | 3.8 | 5.8 |



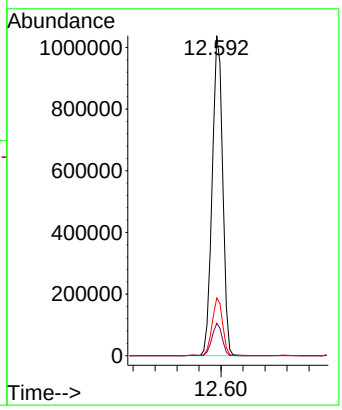


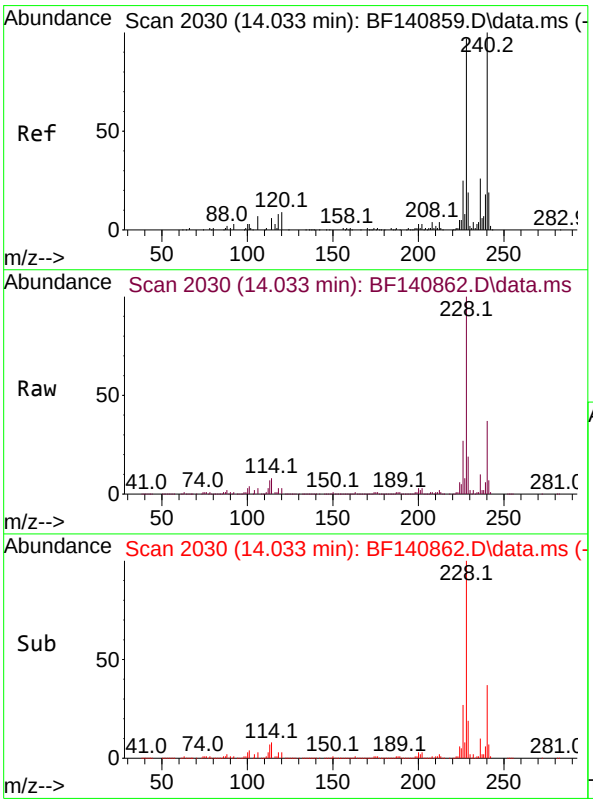

#75
Fluoranthene
Concen: 63.687 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 1374862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 29.3 |
| 203 | 18.1 | 0.0 | 37.4 |

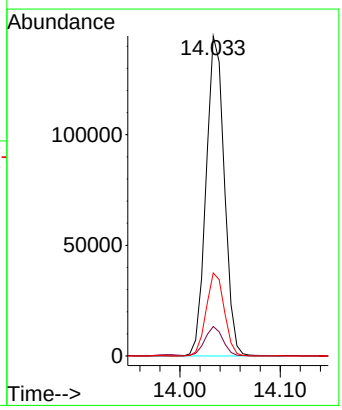


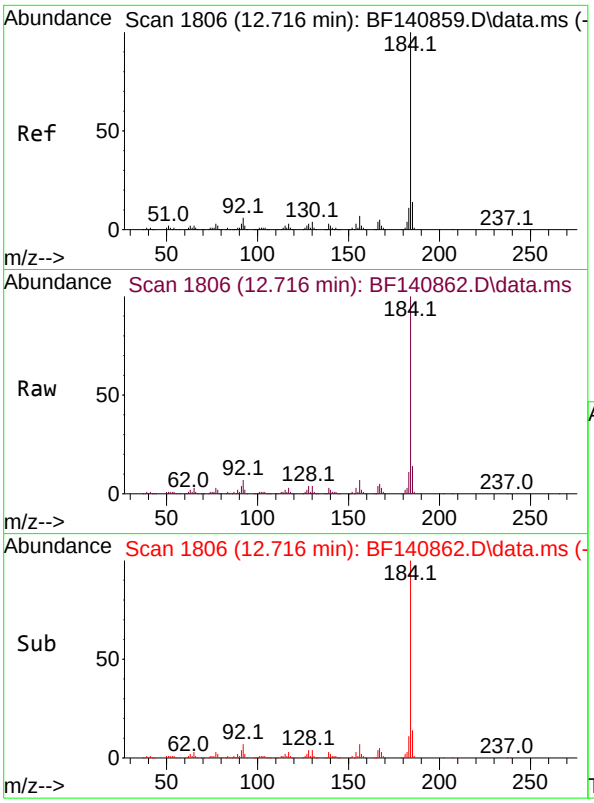




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:240 Resp: 182739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.2 | 7.6 | 11.4 |
| 236 | 26.0 | 20.5 | 30.7 |



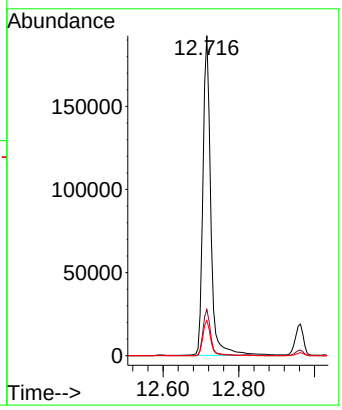


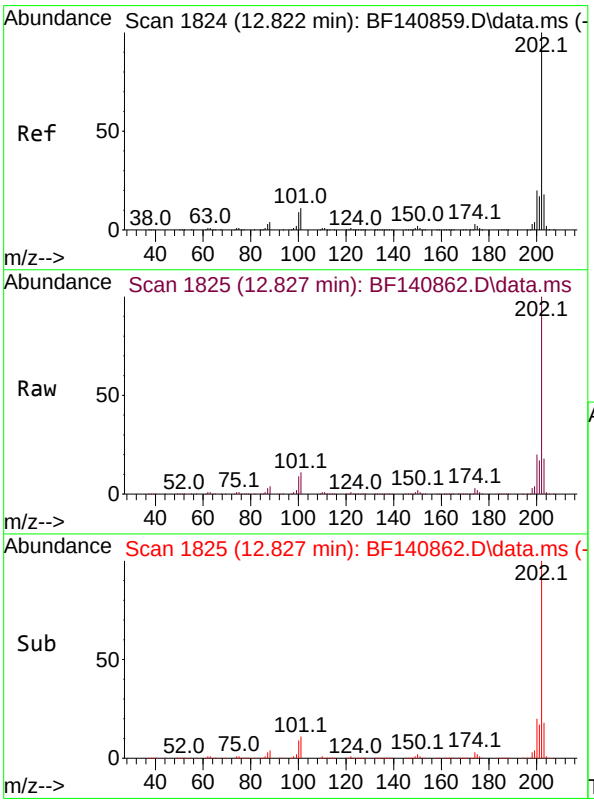

#77
Benzidine
Concen: 74.064 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 276230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.1 | 16.7 |
| 183 | 11.0 | 9.0 | 13.4 |

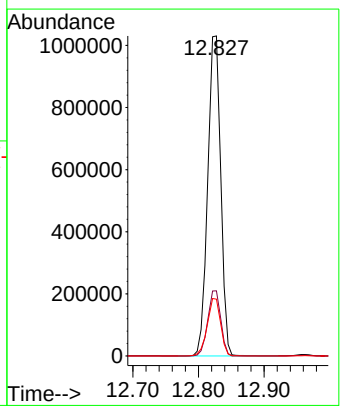


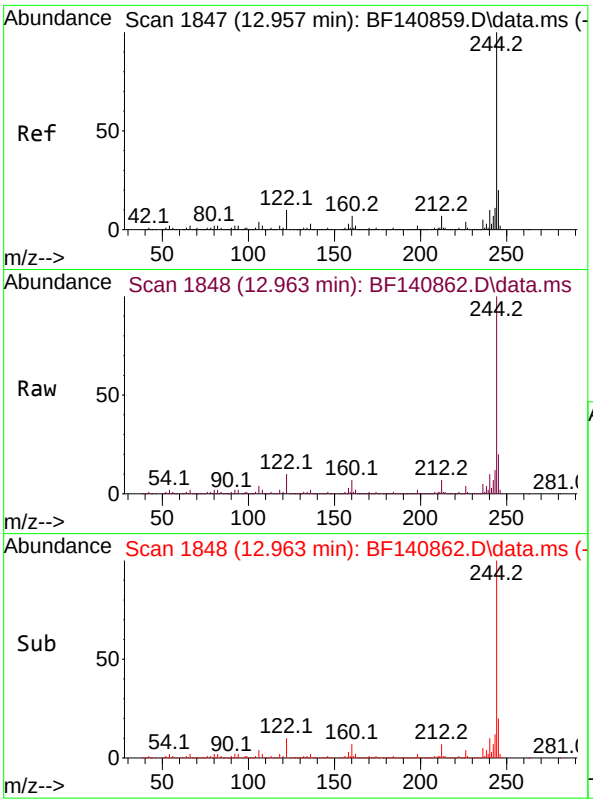




#78
Pyrene
Concen: 87.621 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:202 Resp: 1423860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.1 | 24.1 |
| 203 | 17.8 | 14.2 | 21.4 |



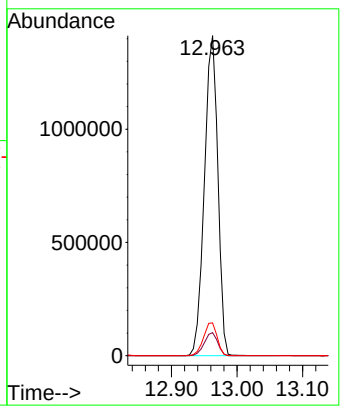


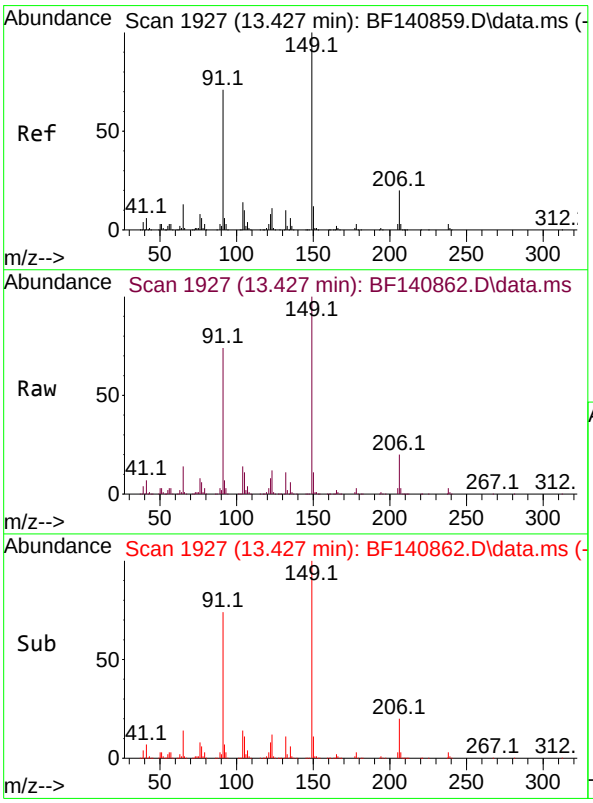

#79
Terphenyl-d14
Concen: 174.221 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp: 2018997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.6 | 8.4 |
| 122 | 10.2 | 8.2 | 12.2 |

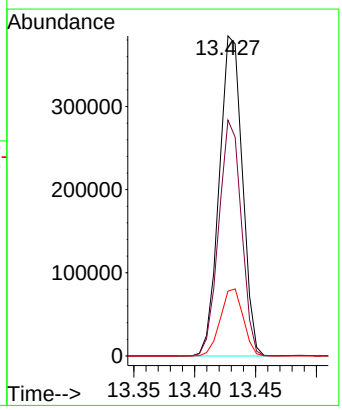


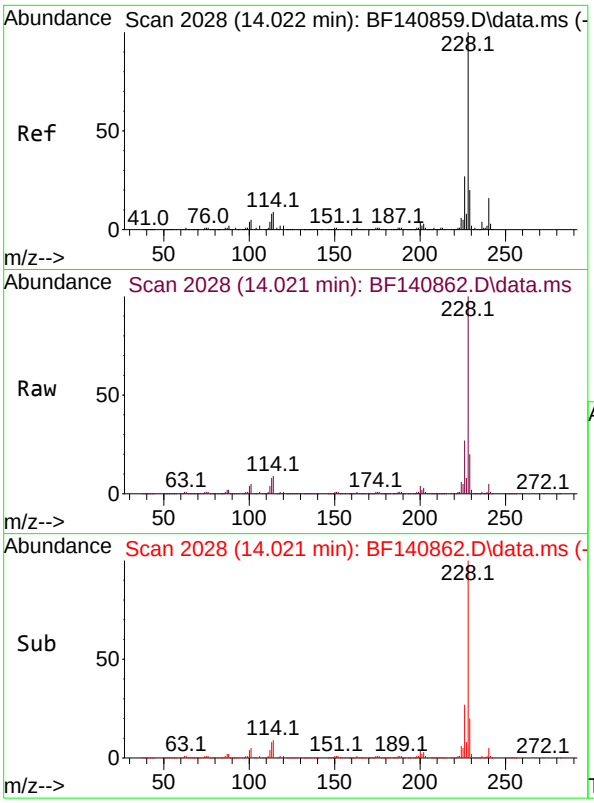




#80
Butylbenzylphthalate
Concen: 85.043 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 508497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.7 | 56.7 | 85.1 |
| 206 | 20.3 | 16.4 | 24.6 |



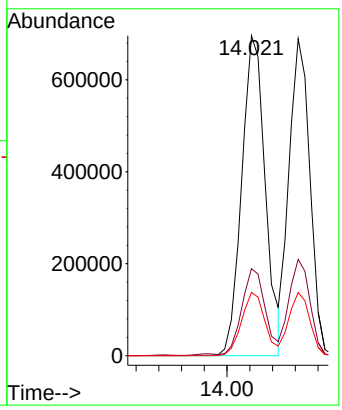


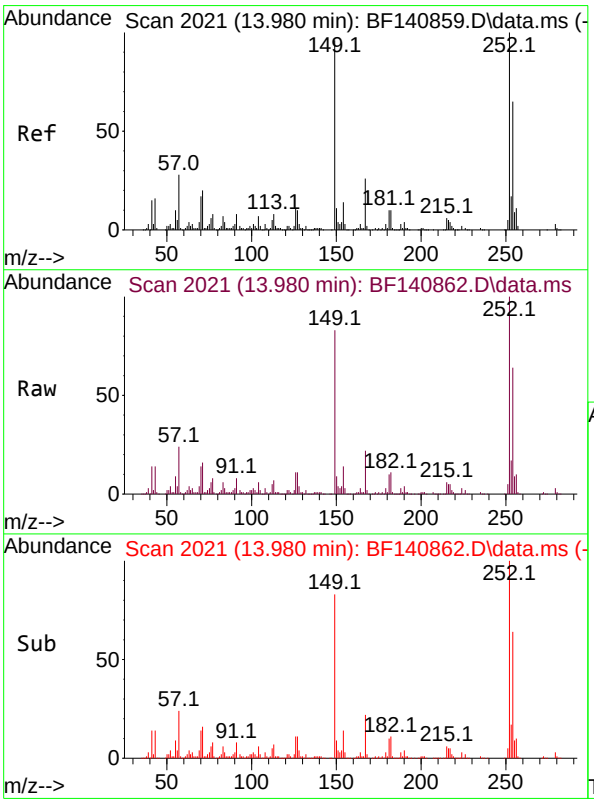

#81
Benzo(a)anthracene
Concen: 77.292 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1001035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.8 |

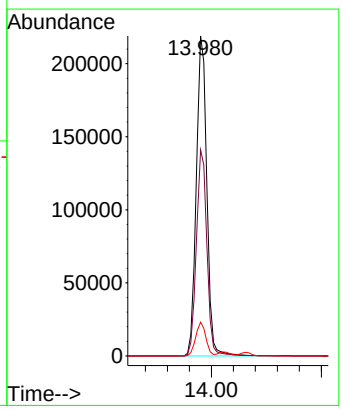


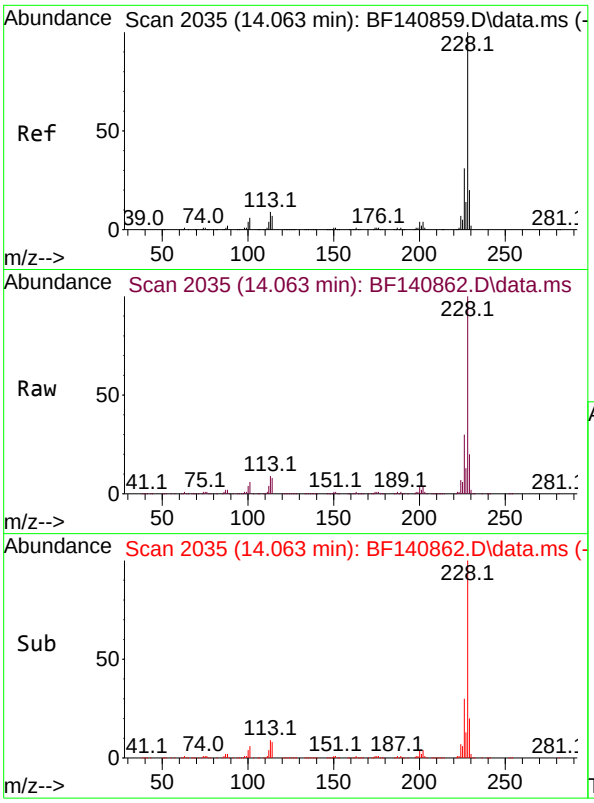




#82
3,3'-Dichlorobenzidine
Concen: 74.661 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 291736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 52.3 | 78.5 |
| 126 | 10.6 | 8.4 | 12.6 |



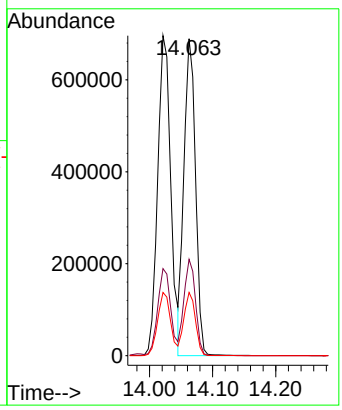


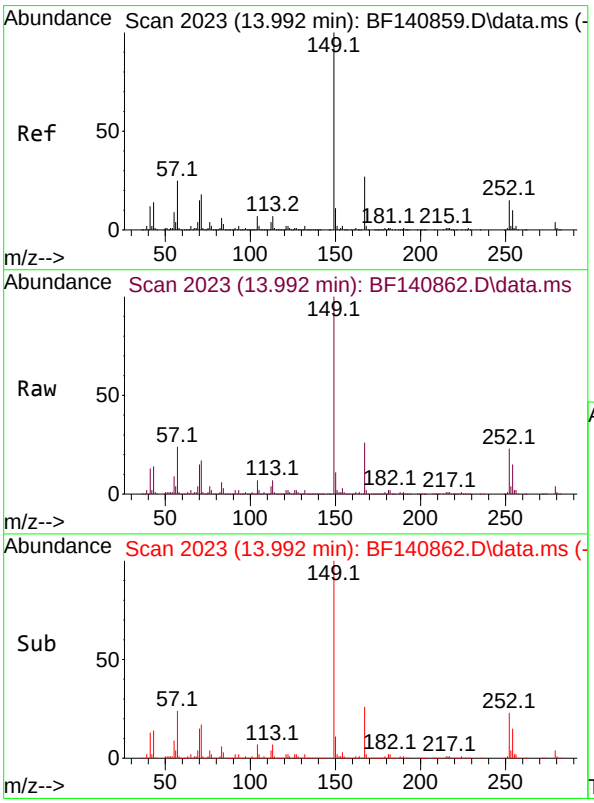

#83
Chrysene
Concen: 74.840 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 881398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.1 | 36.1 |
| 229 | 20.0 | 16.0 | 24.0 |

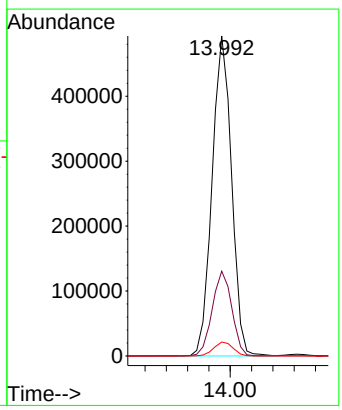


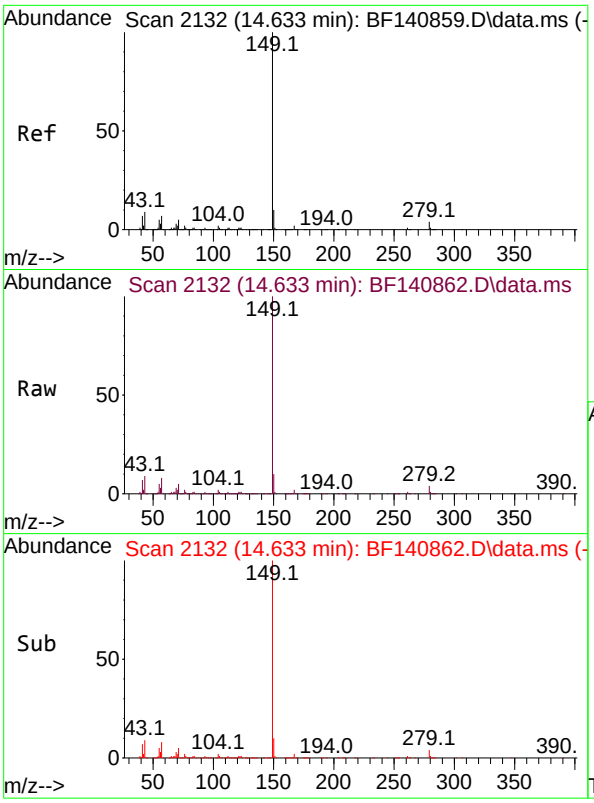




#84
Bis(2-ethylhexyl)phthalate
Concen: 81.032 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 624744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |



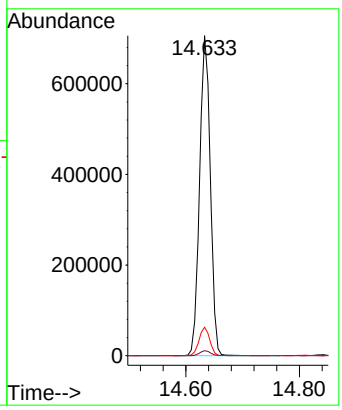


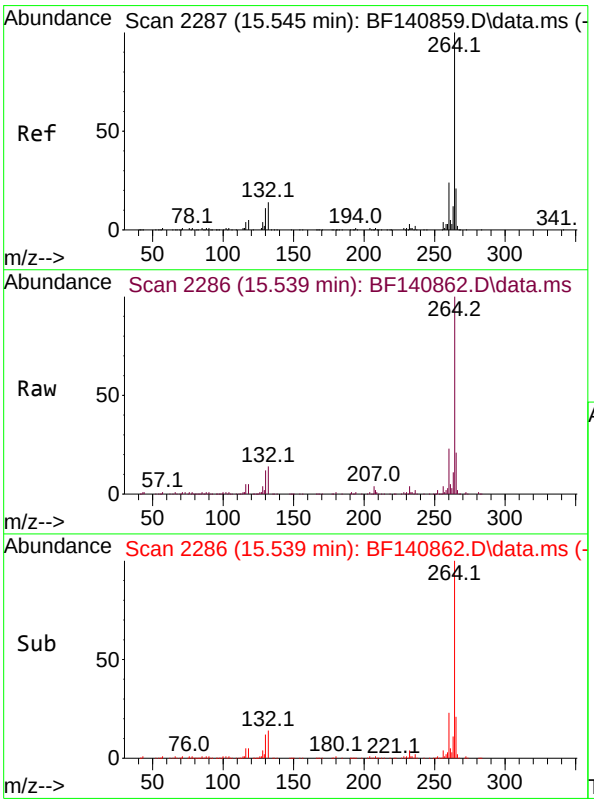

#85
Di-n-octyl phthalate
Concen: 79.125 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 922920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.0 | 7.0 | 10.6 |

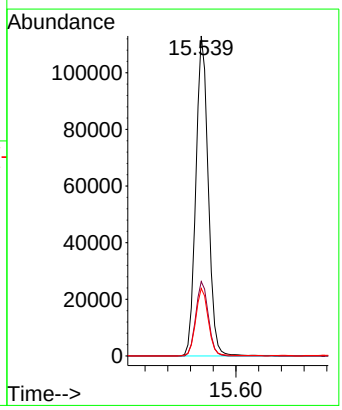


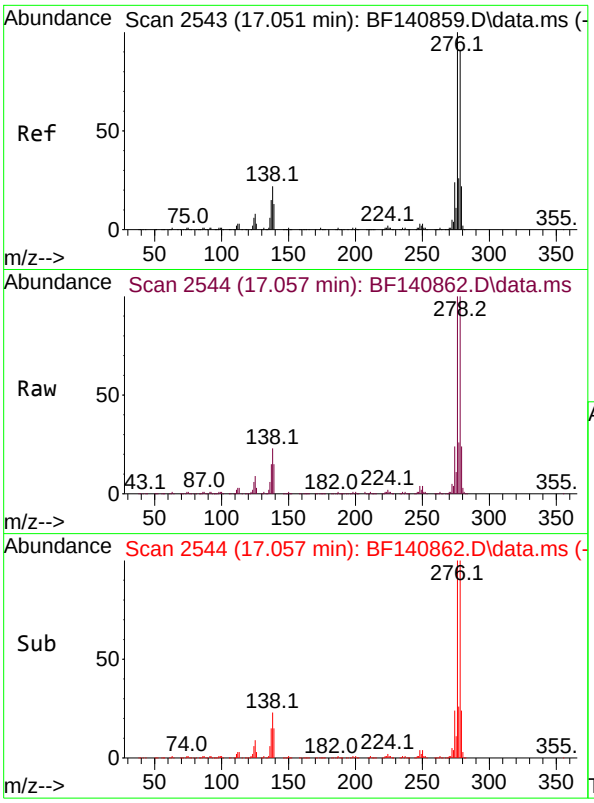




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:264 Resp: 171569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.1 | 28.7 |
| 265 | 21.1 | 17.0 | 25.4 |



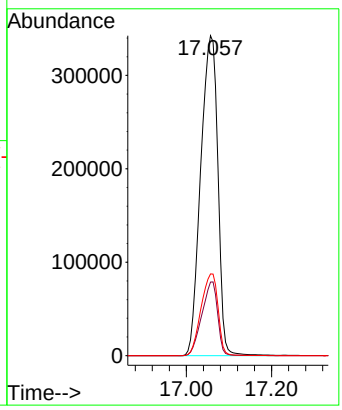


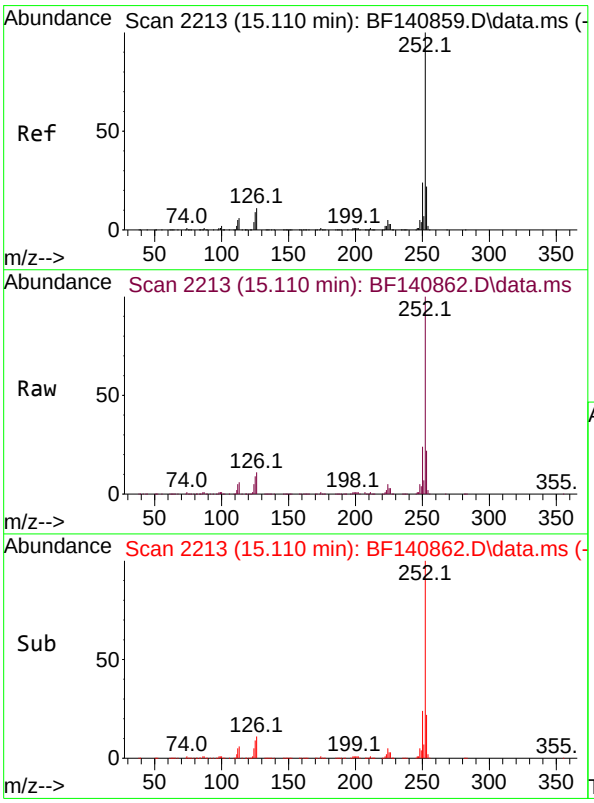

#87
Indeno(1,2,3-cd)pyrene
Concen: 89.400 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 957167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 16.9 | 25.3 |
| 277 | 25.2 | 20.2 | 30.4 |

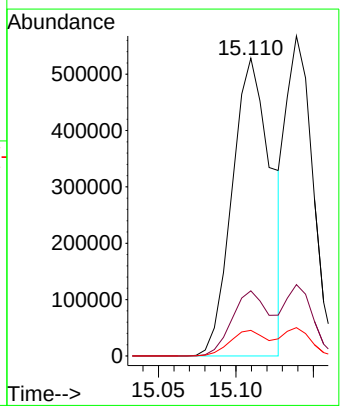


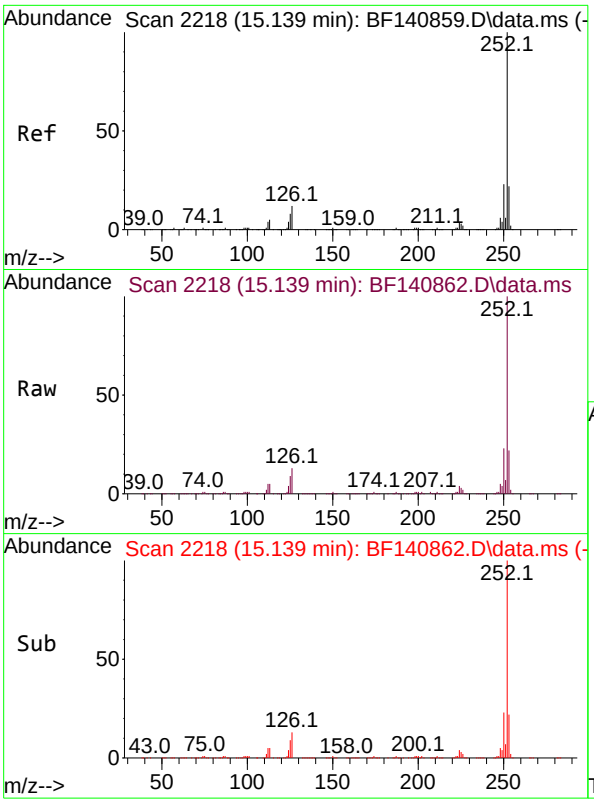




#88
Benzo(b)fluoranthene
Concen: 77.753 ng
RT: 15.110 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 925999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.6 | 7.0 | 10.4 |



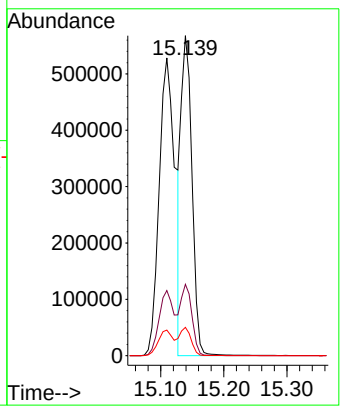


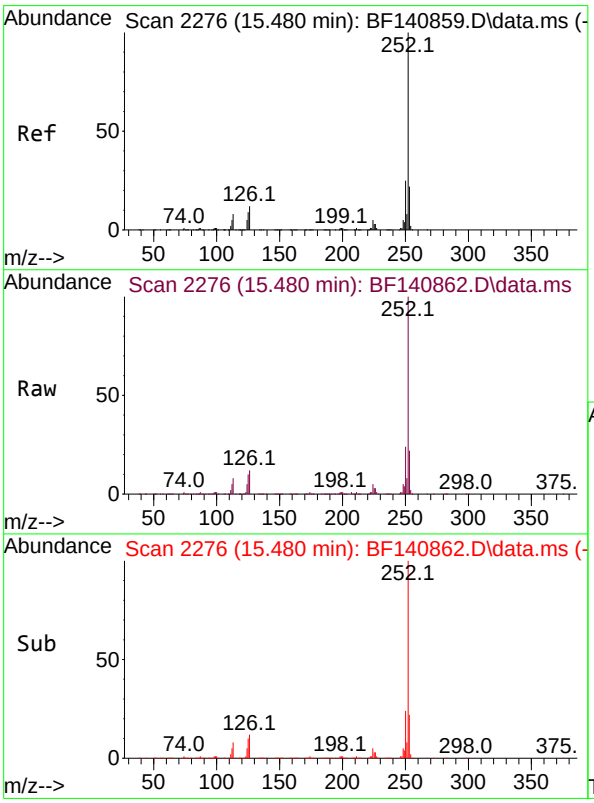

#89
Benzo(k)fluoranthene
Concen: 66.881 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 683254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 8.9 | 6.8 | 10.2 |

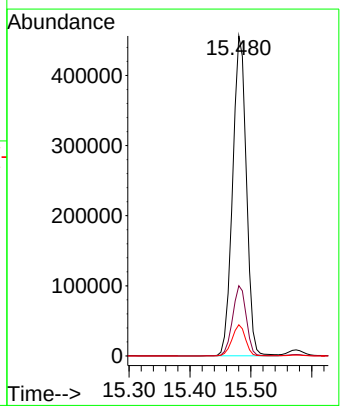


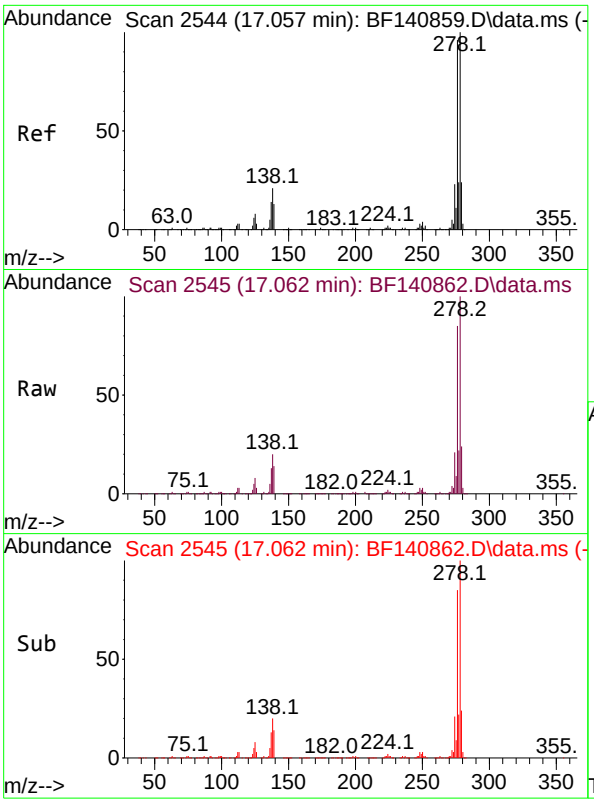




#90
Benzo(a)pyrene
Concen: 76.662 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 714906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.8 | 7.5 | 11.3 |



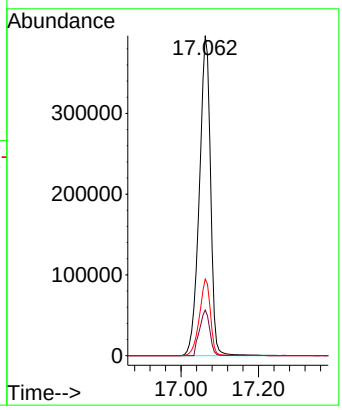


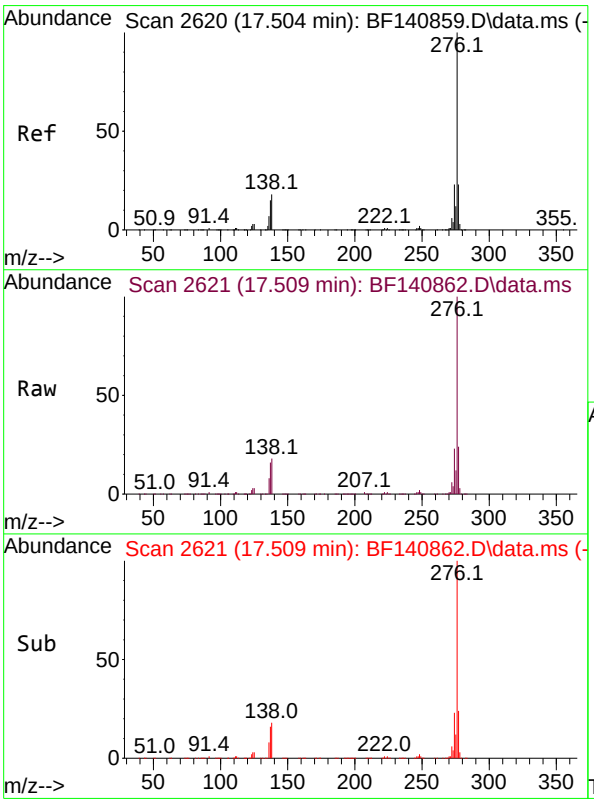

#91
Dibenzo(a,h)anthracene
Concen: 89.311 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 792175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.3 | 10.6 | 16.0 |
| 279 | 24.0 | 19.2 | 28.8 |

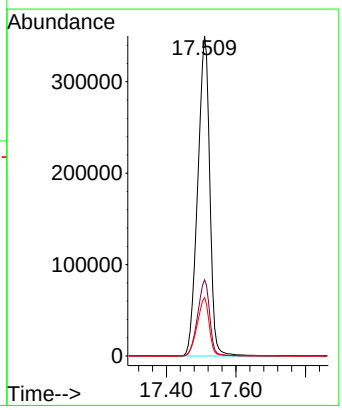



#92
Benzo(g,h,i)perylene
Concen: 93.101 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:276 Resp: 840468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.7 | 28.1 |
| 138 | 18.2 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 88035 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 361248 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 202013 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 381984 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.021 | 240 | 236413 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.504 | 264 | 217277 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 407420 | 76.184 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 539951 | 76.229 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 544482 | 75.408 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.681 | 330 | 161969 | 67.791 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1108356 | 75.432 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1126061 | 75.108 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.605 | 88 | 74540 | 32.360 | ng | 99 |
| 3) Pyridine | 3.387 | 79 | 186082 | 34.882 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 91392 | 33.984 | ng | 99 |
| 6) Aniline | 6.516 | 93 | 240098 | 39.644 | ng | 96 |
| 8) 2-Chlorophenol | 6.640 | 128 | 226045 | 38.761 | ng | 95 |
| 9) Benzaldehyde | 6.404 | 77 | 158915 | 40.491 | ng | 99 |
| 10) Phenol | 6.510 | 94 | 283984 | 38.683 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 216280 | 39.504 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 259904 | 39.111 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 268094 | 39.745 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 251561 | 39.527 | ng | 98 |
| 15) Benzyl Alcohol | 6.998 | 79 | 201477 | 39.782 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 264233 | 40.970 | ng | 97 |
| 17) 2-Methylphenol | 7.116 | 107 | 187119 | 40.189 | ng | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 99360 | 39.568 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 169362 | 39.861 | ng | 100 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 246929 | 39.995 | ng | 98 |
| 22) Acetophenone | 7.263 | 105 | 330166 | 36.536 | ng | 99 |
| 24) Nitrobenzene | 7.434 | 77 | 279878 | 37.836 | ng | 99 |
| 25) Isophorone | 7.675 | 82 | 462528 | 38.231 | ng | 100 |
| 26) 2-Nitrophenol | 7.751 | 139 | 137663 | 40.407 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.787 | 122 | 161001 | 40.466 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 304778 | 40.334 | ng | 98 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 217841 | 39.658 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 241375 | 38.332 | ng | 100 |
| 31) Naphthalene | 8.151 | 128 | 763453 | 38.473 | ng | 99 |
| 32) Benzoic acid | 7.939 | 122 | 159806 | 42.351 | ng | 99 |
| 33) 4-Chloroaniline | 8.204 | 127 | 248138 | 37.650 | ng | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 154475 | 36.462 | ng | 98 |
| 35) Caprolactam | 8.587 | 113 | 59056 | 36.113 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 219338 | 35.477 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 490114 | 37.337 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 479930 | 36.969 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 240096 | 38.668 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 8.986 | 237 | 53352 | 37.672 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 149871 | 39.419 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

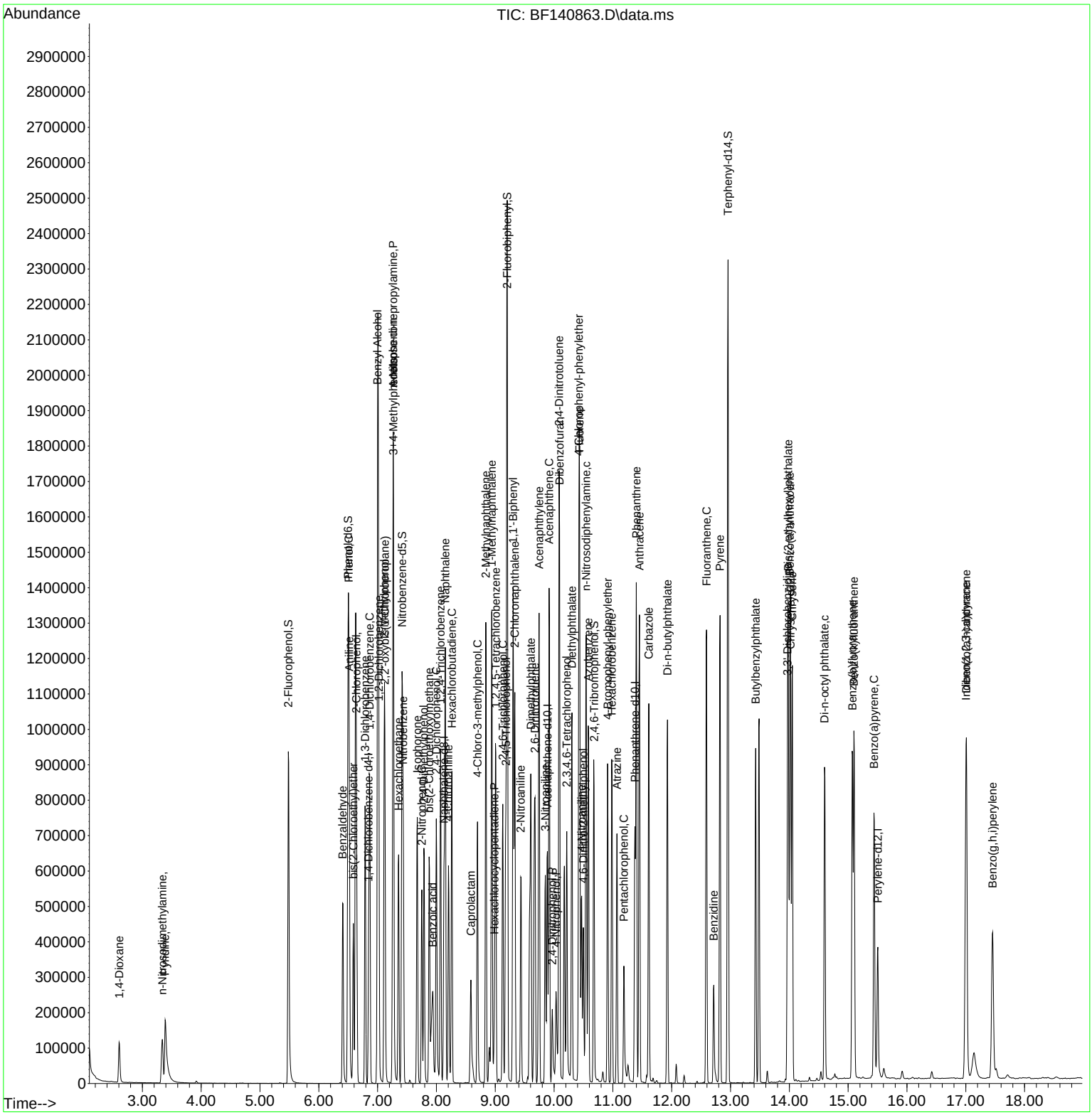
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 166716 | 39.895 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 617038 | 38.412 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 448814 | 36.522 | ng | 99 |
| 48) 2-Nitroaniline | 9.434 | 65 | 140999 | 37.990 | ng | 99 |
| 49) Acenaphthylene | 9.745 | 152 | 679962 | 37.651 | ng | 100 |
| 50) Dimethylphthalate | 9.604 | 163 | 522757 | 36.704 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.675 | 165 | 122408 | 37.595 | ng | 97 |
| 52) Acenaphthene | 9.916 | 154 | 441540 | 38.275 | ng | 99 |
| 53) 3-Nitroaniline | 9.851 | 138 | 128348 | 39.722 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 50562 | 35.766 | ng | 96 |
| 55) Dibenzofuran | 10.092 | 168 | 663435 | 37.113 | ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 63289 | 38.834 | ng | 95 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 163115 | 38.076 | ng | 99 |
| 58) Fluorene | 10.433 | 166 | 551110 | 37.370 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 144396 | 42.405 | ng | 98 |
| 60) Diethylphthalate | 10.304 | 149 | 560121 | 37.926 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 277040 | 37.398 | ng | 98 |
| 62) 4-Nitroaniline | 10.469 | 138 | 131388 | 38.912 | ng | 98 |
| 63) Azobenzene | 10.581 | 77 | 536731 | 38.657 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 90125 | 41.637 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 466366 | 39.710 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 155245 | 36.329 | ng | 99 |
| 68) Hexachlorobenzene | 10.980 | 284 | 179906 | 37.132 | ng | 96 |
| 69) Atrazine | 11.069 | 200 | 120830 | 36.838 | ng | 98 |
| 70) Pentachlorophenol | 11.186 | 266 | 68516 | 38.679 | ng | 97 |
| 71) Phenanthrene | 11.398 | 178 | 747974 | 38.078 | ng | 99 |
| 72) Anthracene | 11.451 | 178 | 729685 | 37.720 | ng | 99 |
| 73) Carbazole | 11.610 | 167 | 613711 | 32.390 | ng | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 751217 | 33.782 | ng | 100 |
| 75) Fluoranthene | 12.592 | 202 | 772859 | 34.163 | ng | 99 |
| 77) Benzidine | 12.716 | 184 | 176802 | 36.642 | ng | 99 |
| 78) Pyrene | 12.822 | 202 | 792874 | 37.714 | ng | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 307036 | 39.692 | ng | 99 |
| 81) Benzo(a)anthracene | 14.010 | 228 | 679017 | 40.525 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.969 | 252 | 194418 | 38.459 | ng | 100 |
| 83) Chrysene | 14.051 | 228 | 574336 | 37.695 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 408768 | 40.982 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 617289 | 40.907 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.004 | 276 | 539135 | 39.762 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 609480 | 40.410 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 525272 | 40.601 | ng | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 470896 | 39.873 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.009 | 278 | 451973 | 40.237 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.457 | 276 | 418030 | 36.565 | ng | 100 |

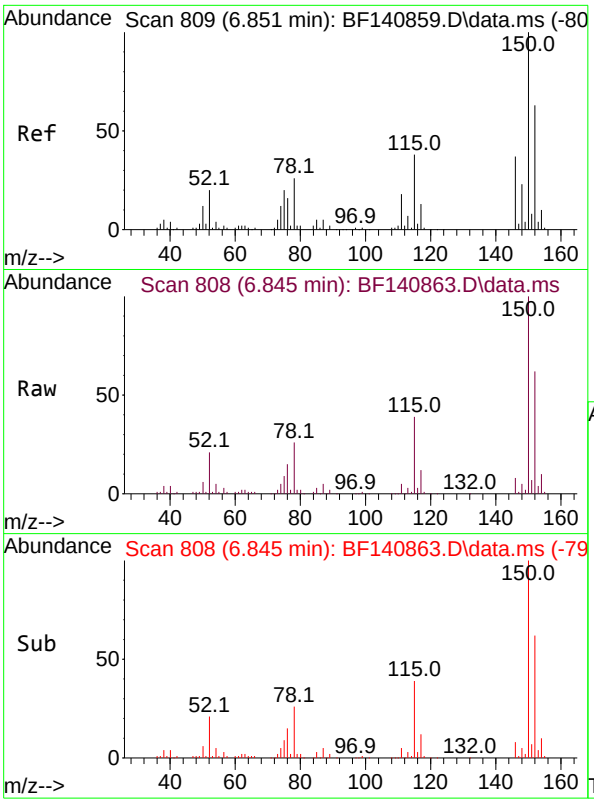
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



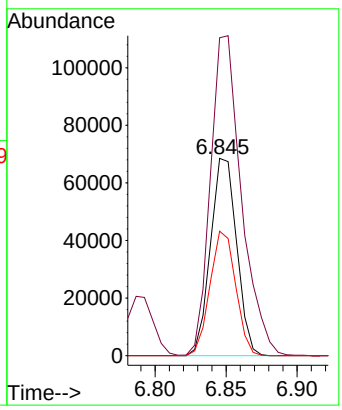


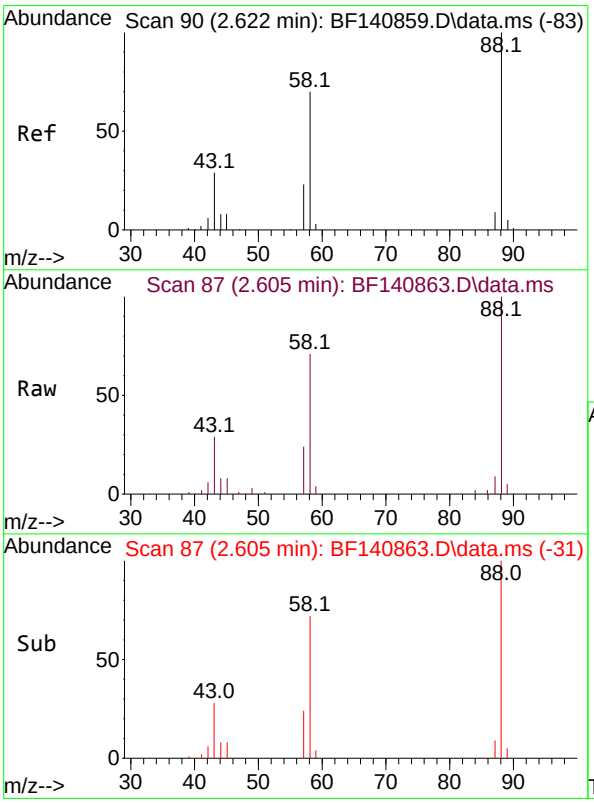

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:152 Resp: 88035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.2 | 127.9 | 191.9 |
| 115 | 63.1 | 48.0 | 72.0 |

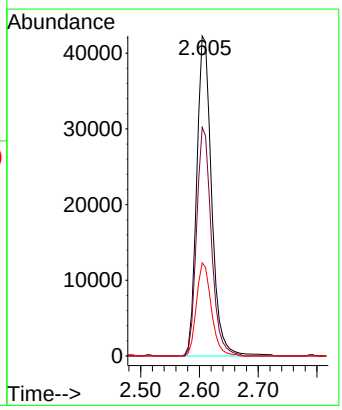


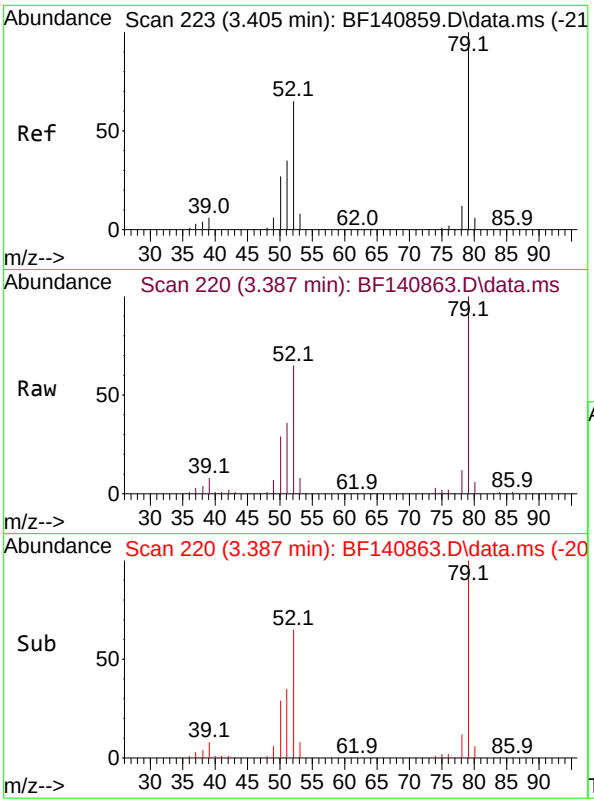




#2
1,4-Dioxane
Concen: 32.360 ng
RT: 2.605 min Scan# 87
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 88 Resp: 74540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.6 | 55.8 | 83.8 |
| 43 | 29.0 | 22.7 | 34.1 |



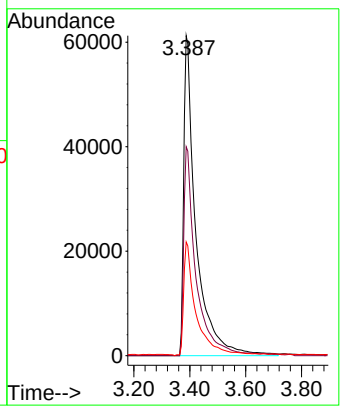


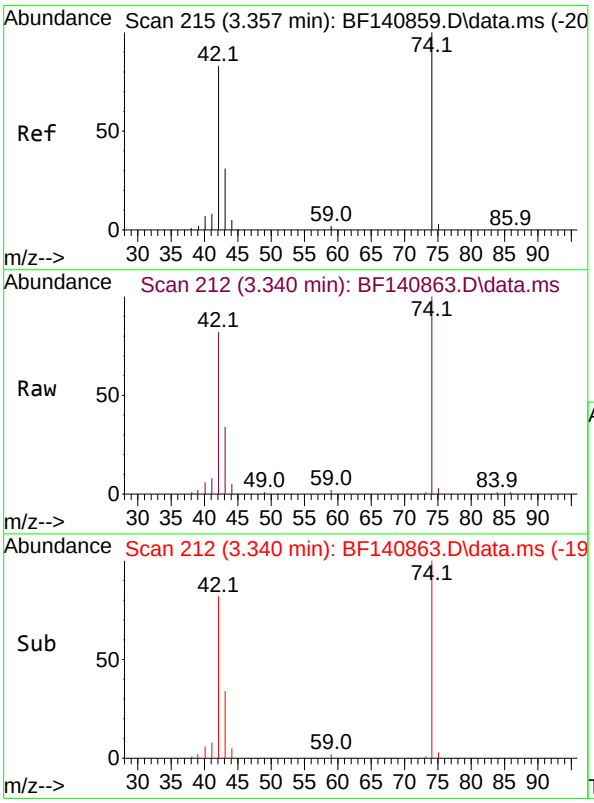

#3
Pyridine
Concen: 34.882 ng
RT: 3.387 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 79 Resp: 186082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.3 | 51.7 | 77.5 |
| 51 | 35.5 | 28.2 | 42.4 |

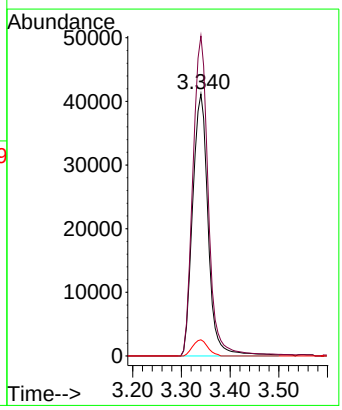


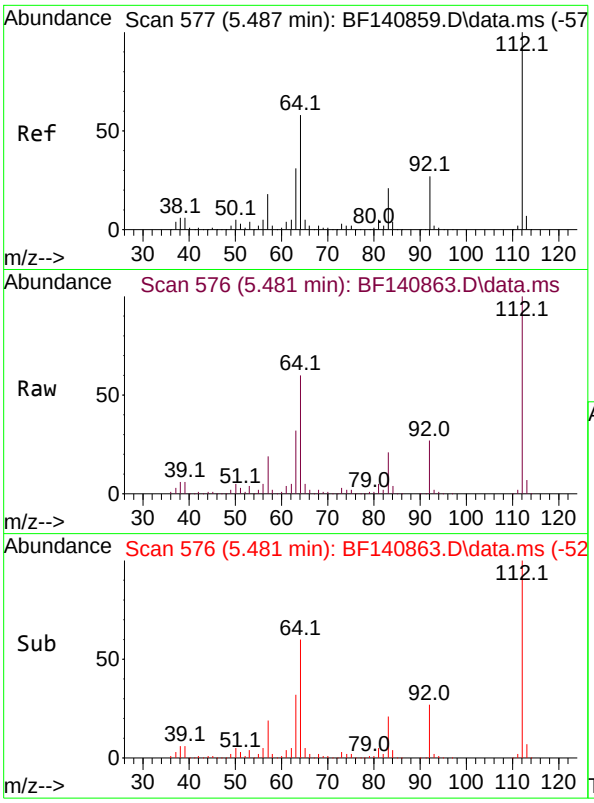




#4
n-Nitrosodimethylamine
Concen: 33.984 ng
RT: 3.340 min Scan# 212
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 42 Resp: 91392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 122.2 | 96.9 | 145.3 |
| 44 | 6.2 | 4.4 | 6.6 |



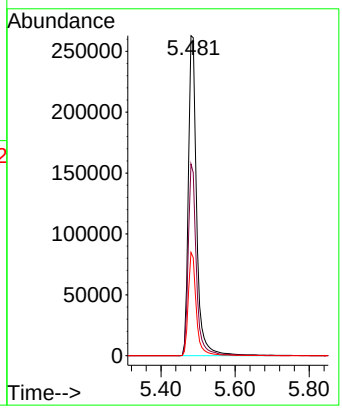


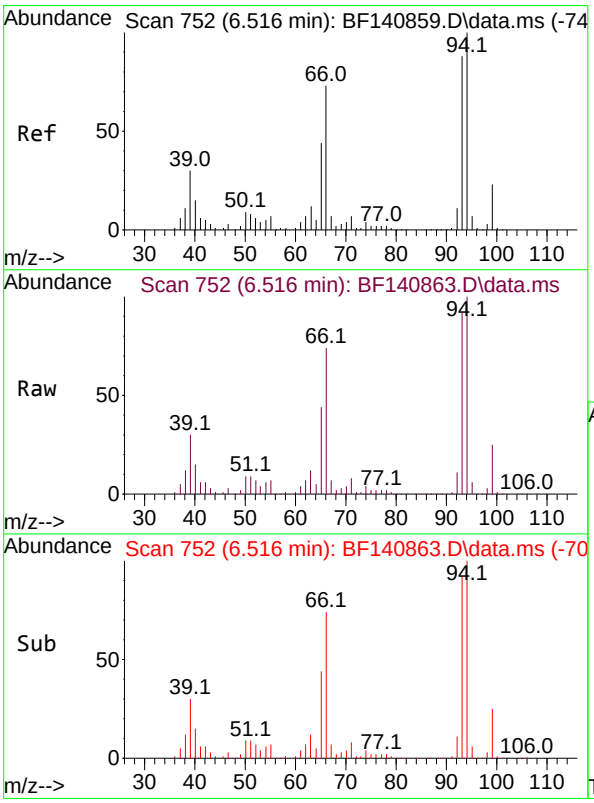

#5
2-Fluorophenol
Concen: 76.184 ng
RT: 5.481 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:112 Resp: 407420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.9 | 46.1 | 69.1 |
| 63 | 32.2 | 24.9 | 37.3 |

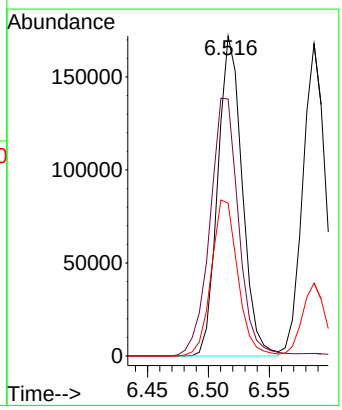


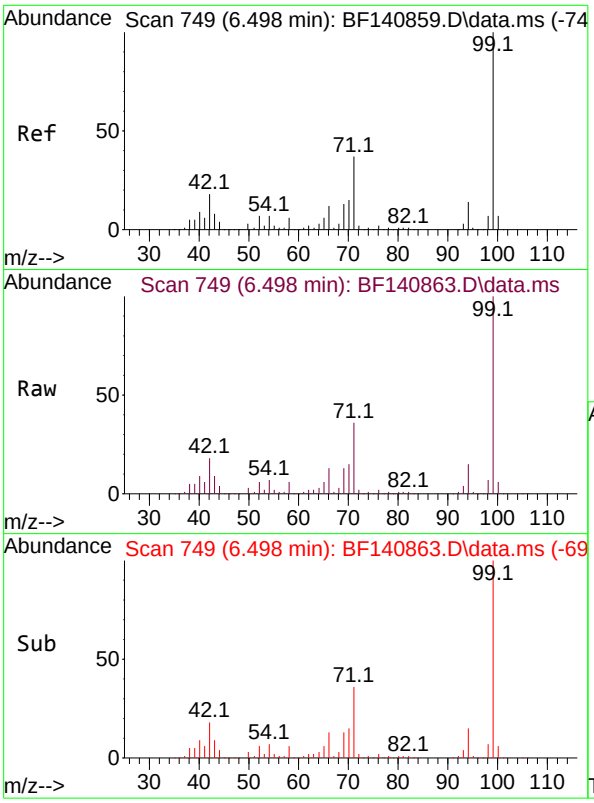




#6
Aniline
Concen: 39.644 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 93 Resp: 240098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 80.3 | 67.0 | 100.4 |
| 65 | 47.8 | 40.4 | 60.6 |



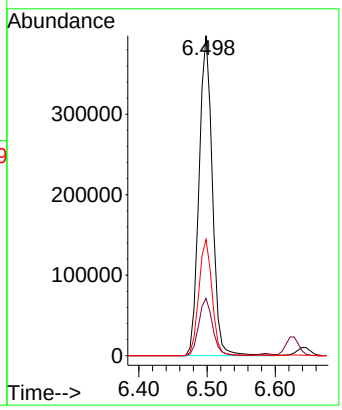


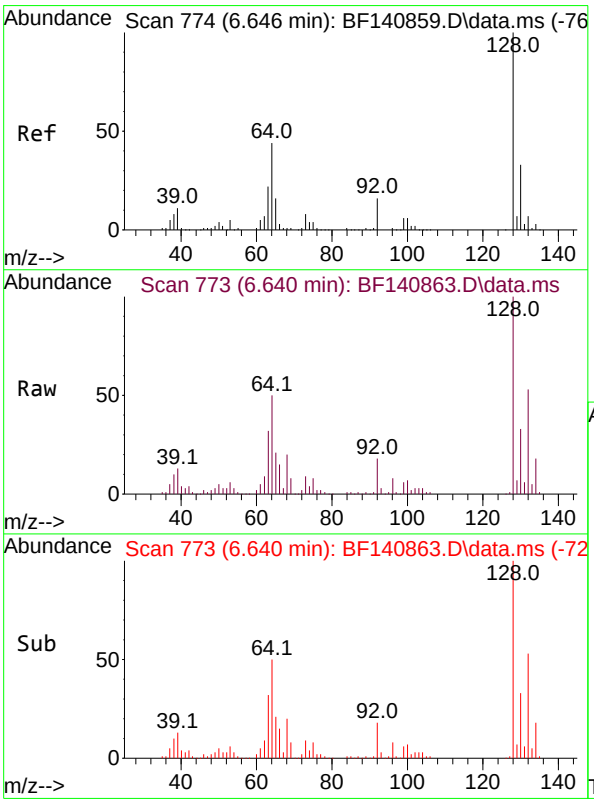

#7
Phenol-d6
Concen: 76.229 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 99 Resp: 539951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.3 | 21.5 |
| 71 | 36.3 | 29.9 | 44.9 |

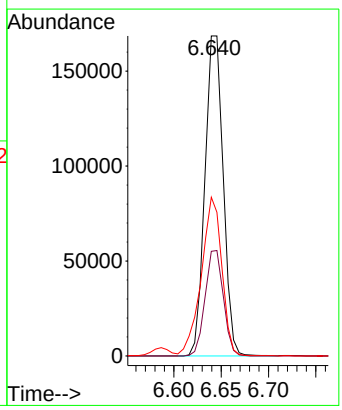


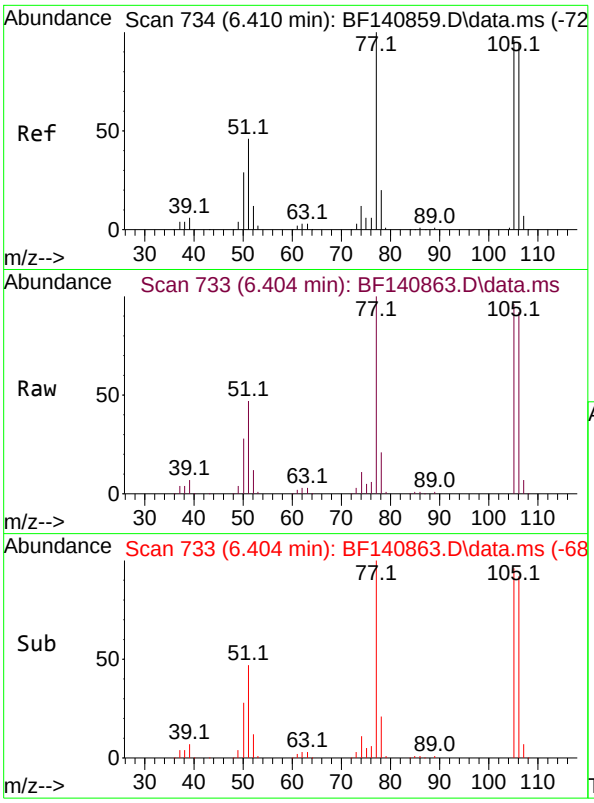




#8
2-Chlorophenol
Concen: 38.761 ng
RT: 6.640 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:128 Resp: 226045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.9 | 52.9 |
| 64 | 49.6 | 24.3 | 64.3 |



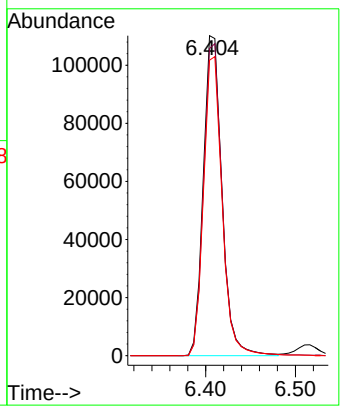


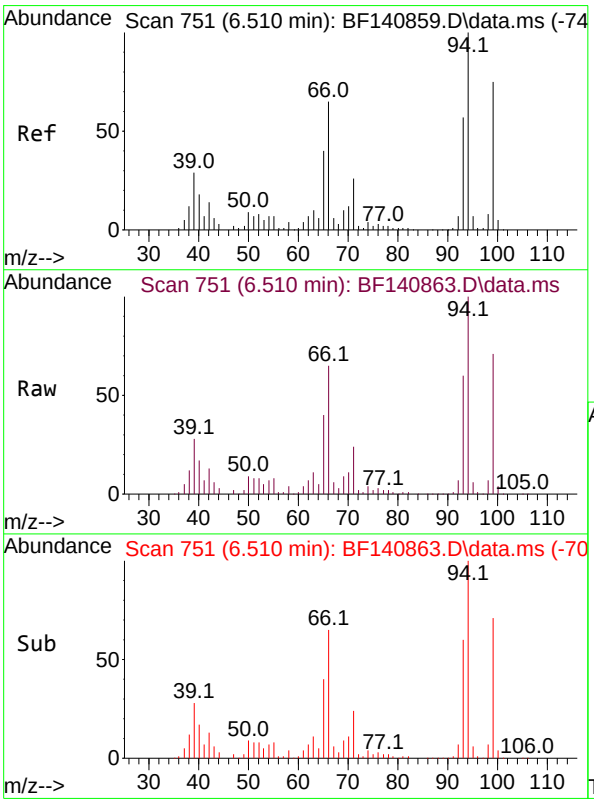

#9
Benzaldehyde
Concen: 40.491 ng
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 77 Resp: 158915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.0 | 75.8 | 115.8 |
| 106 | 92.4 | 74.1 | 114.1 |

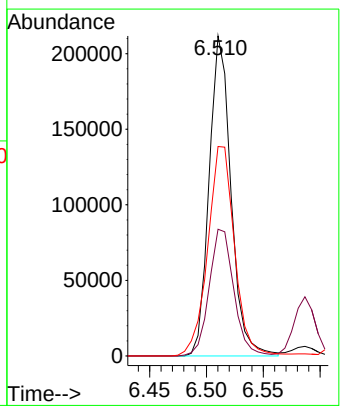


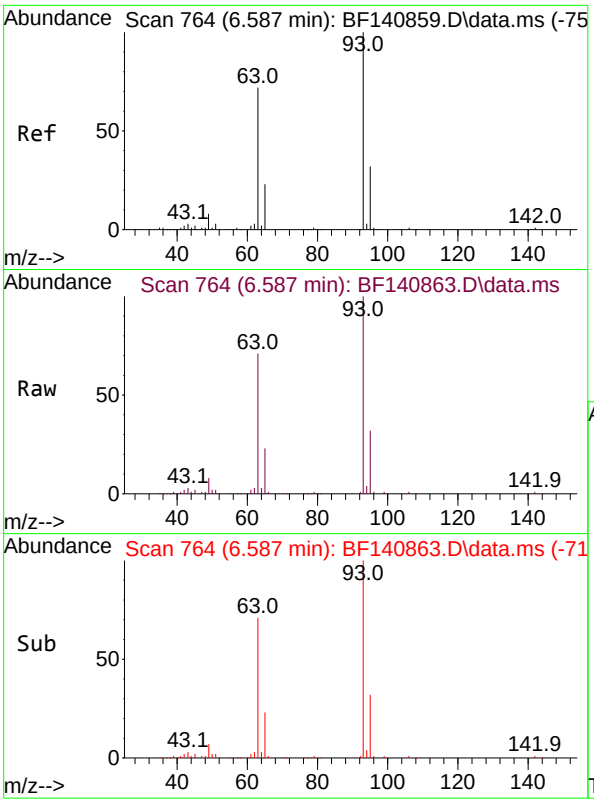




#10
Phenol
Concen: 38.683 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 94 Resp: 283984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.6 | 19.9 | 59.9 |
| 66 | 65.4 | 45.6 | 85.6 |



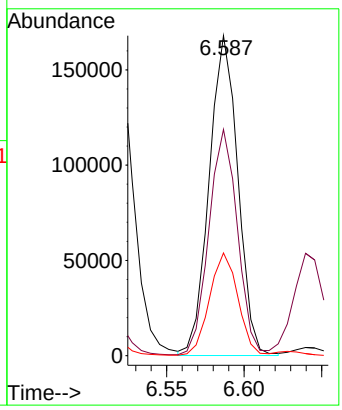


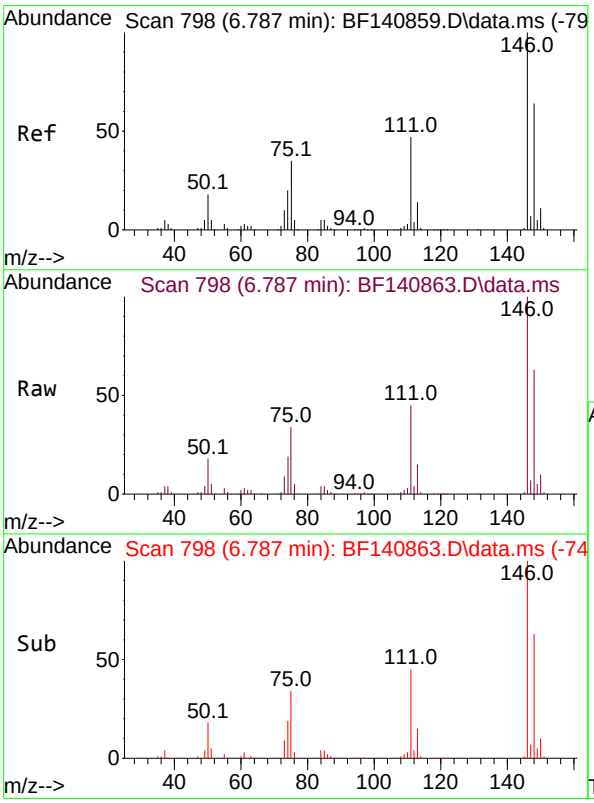

#11
bis(2-Chloroethyl)ether
Concen: 39.504 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 93 Resp: 216280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.7 | 51.0 | 91.0 |
| 95 | 32.1 | 12.0 | 52.0 |

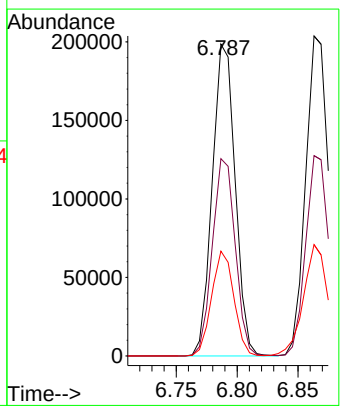


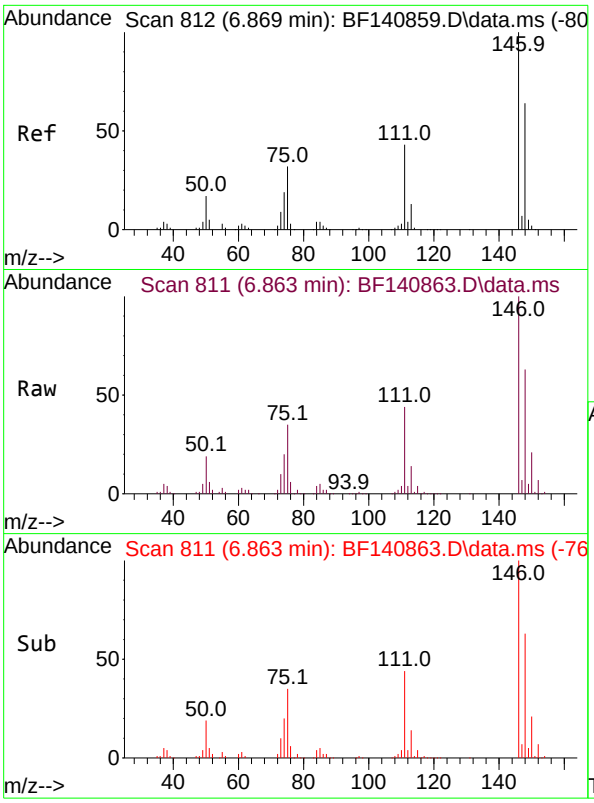




#12
1,3-Dichlorobenzene
Concen: 39.111 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:146 Resp: 259904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.0 | 76.6 |
| 75 | 33.6 | 28.1 | 42.1 |



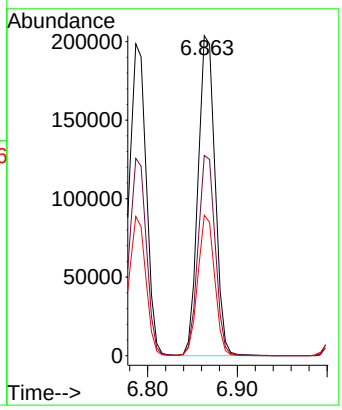


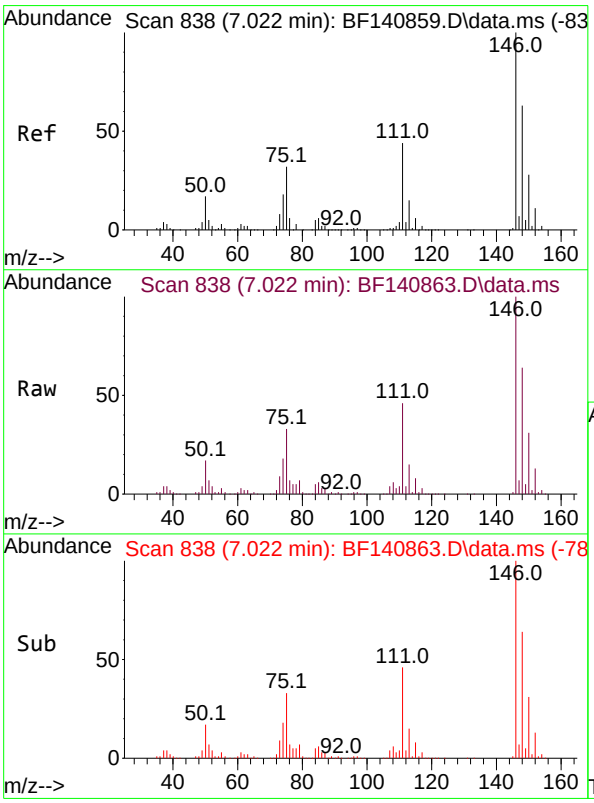

#13
1,4-Dichlorobenzene
Concen: 39.745 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:146 Resp: 268094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 51.3 | 76.9 |
| 111 | 43.9 | 34.4 | 51.6 |

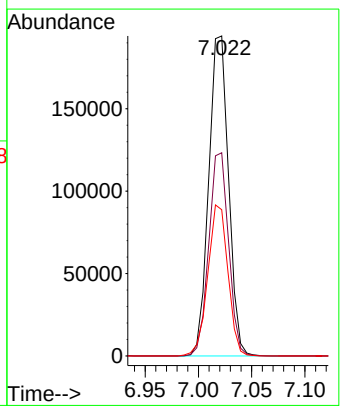


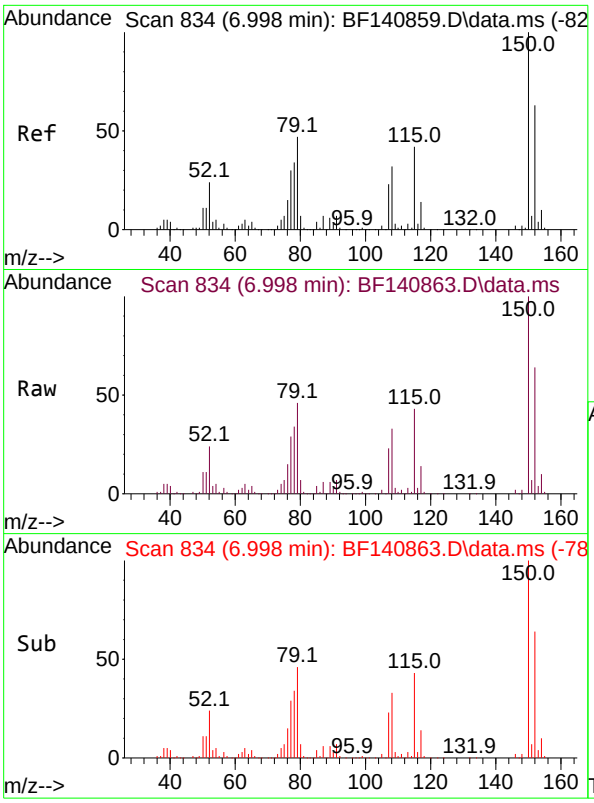




#14
1,2-Dichlorobenzene
Concen: 39.527 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:146 Resp: 251561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.0 | 75.0 |
| 111 | 45.7 | 35.6 | 53.4 |



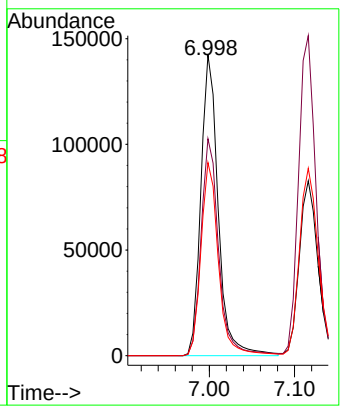


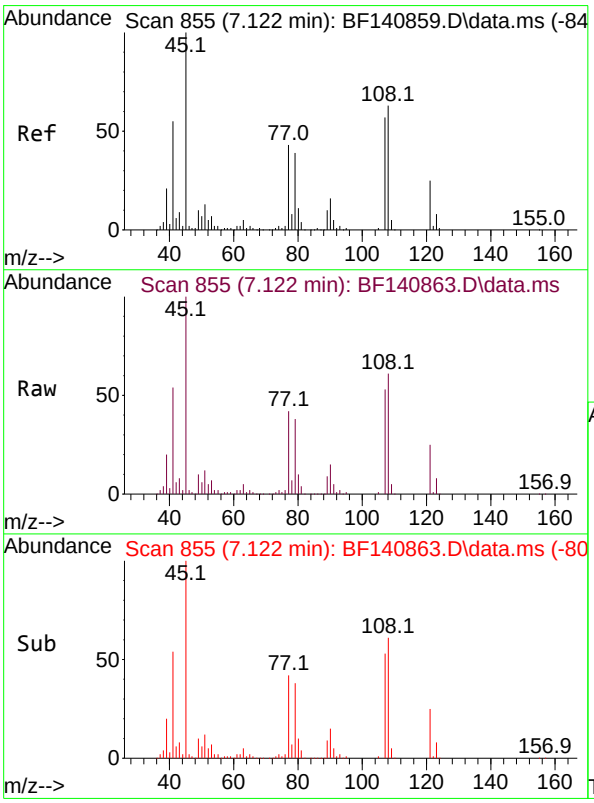

#15
Benzyl Alcohol
Concen: 39.782 ng
RT: 6.998 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 79 Resp: 201477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.1 | 55.1 | 82.7 |
| 77 | 64.2 | 50.6 | 76.0 |

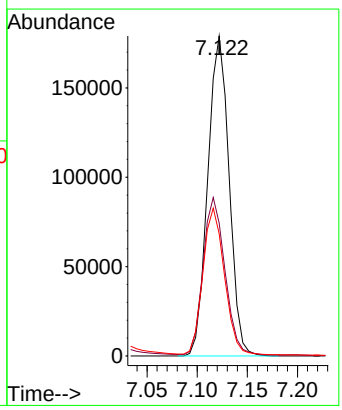


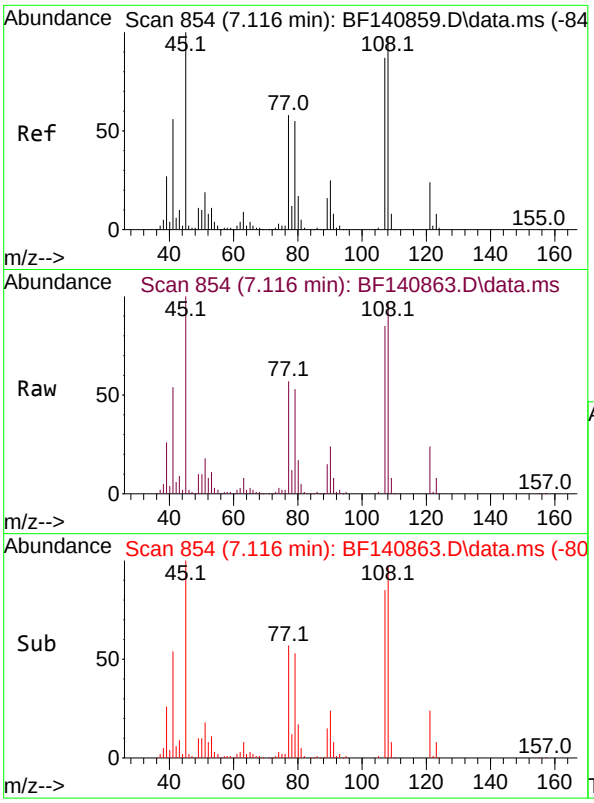




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.970 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 45 Resp: 264233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 41.6 | 23.3 | 63.3 |
| 79 | 38.2 | 20.0 | 60.0 |



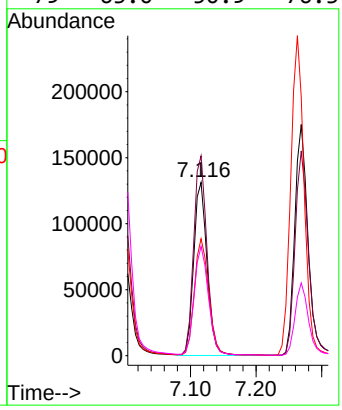


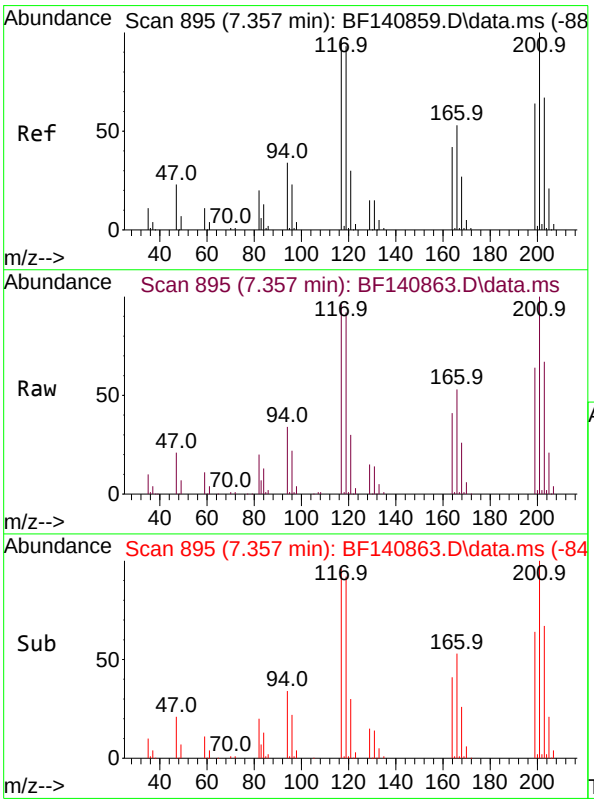

#17
2-Methylphenol
Concen: 40.189 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:107 Resp: 187119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.3 | 90.2 | 135.4 |
| 77 | 67.5 | 53.8 | 80.6 |
| 79 | 63.0 | 50.9 | 76.3 |

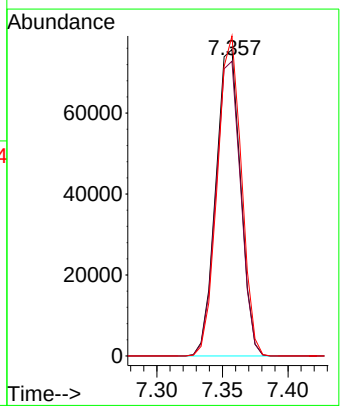


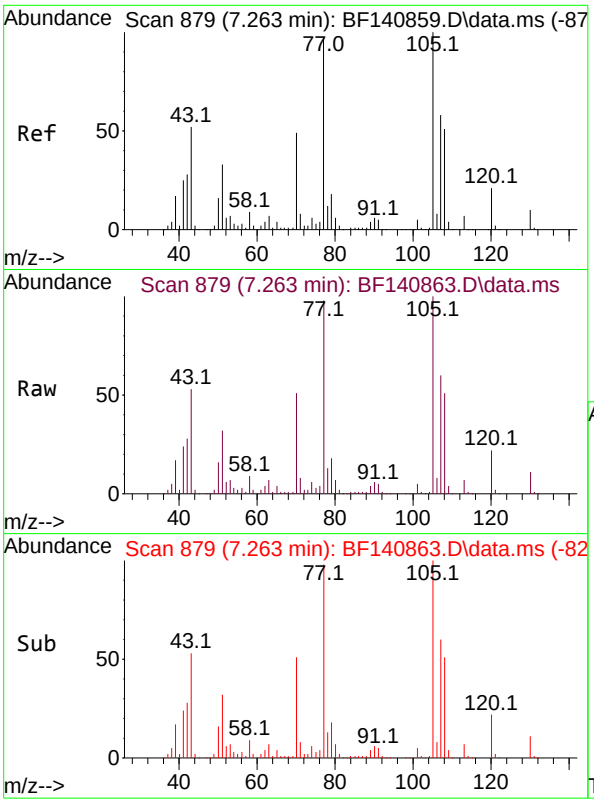




#18
Hexachloroethane
Concen: 39.568 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:117 Resp: 99360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 77.4 | 116.0 |
| 201 | 104.5 | 83.4 | 125.0 |



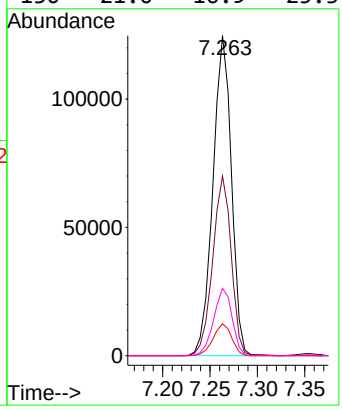


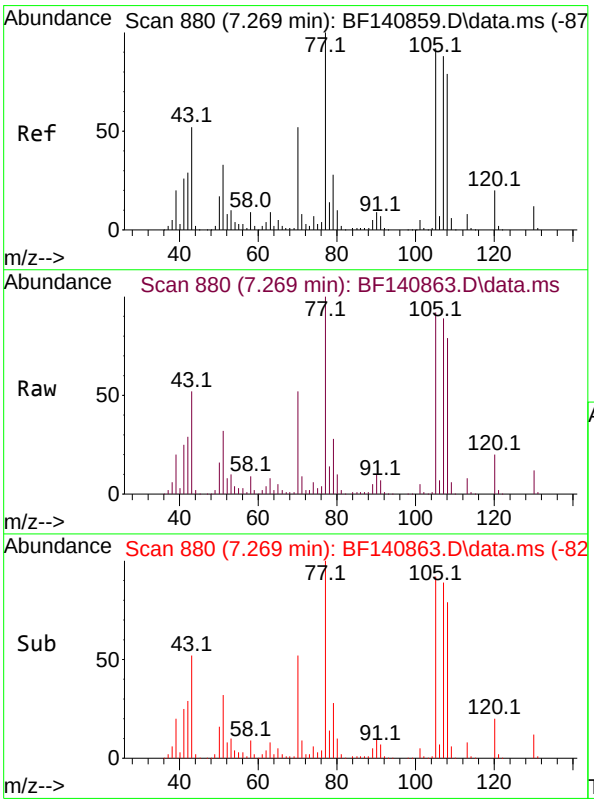

#19
n-Nitroso-di-n-propylamine
Concen: 39.861 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 70 Resp: 169362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.2 | 45.3 | 67.9 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.0 | 16.9 | 25.3 |

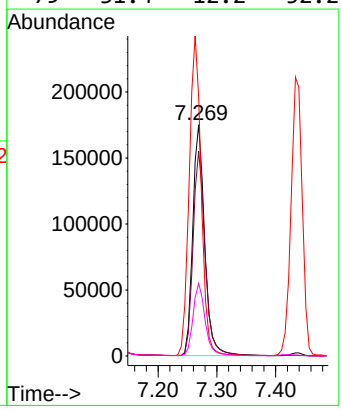


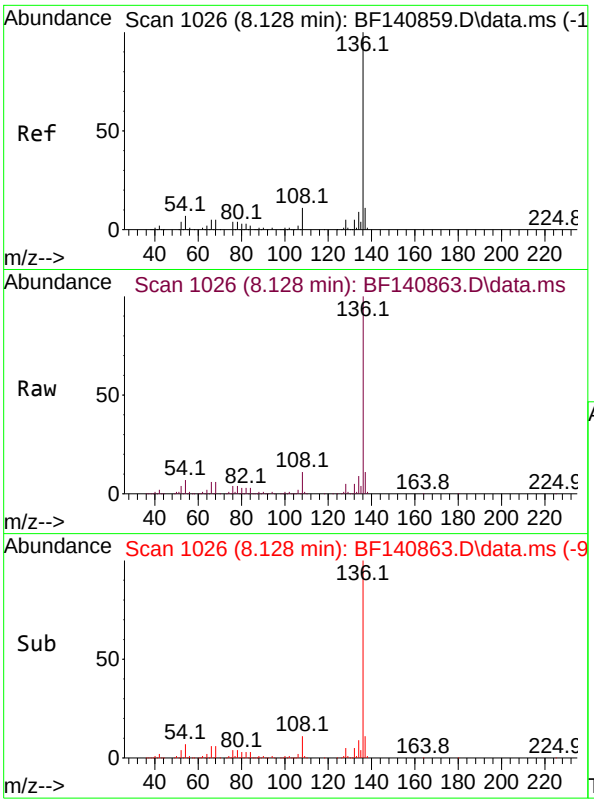




#20
3+4-Methylphenols
Concen: 39.995 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:107 Resp: 246929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.6 | 70.1 | 110.1 |
| 77 | 111.9 | 94.4 | 134.4 |
| 79 | 31.4 | 12.2 | 52.2 |



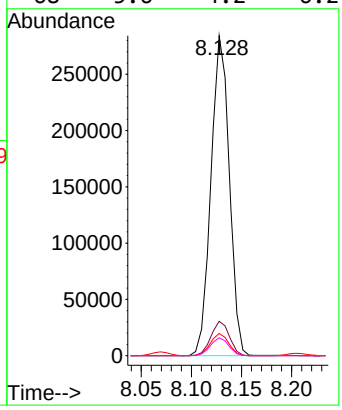


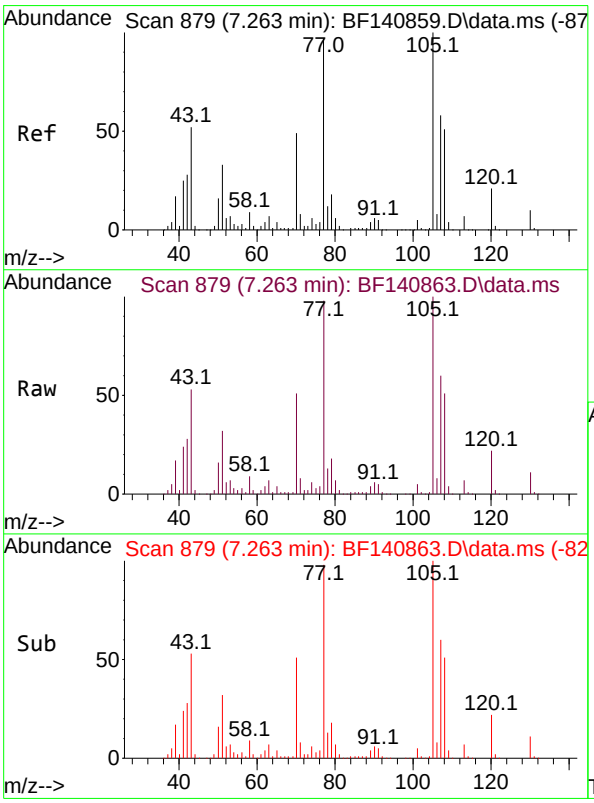

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:136 Resp: 361248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 7.0 | 5.6 | 8.4 |
| 68 | 5.6 | 4.2 | 6.2 |

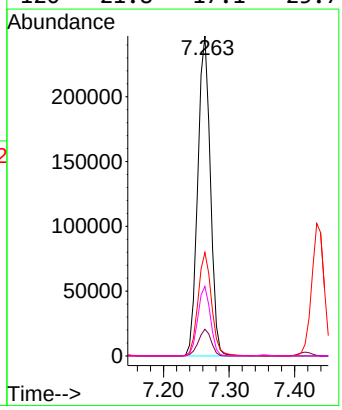


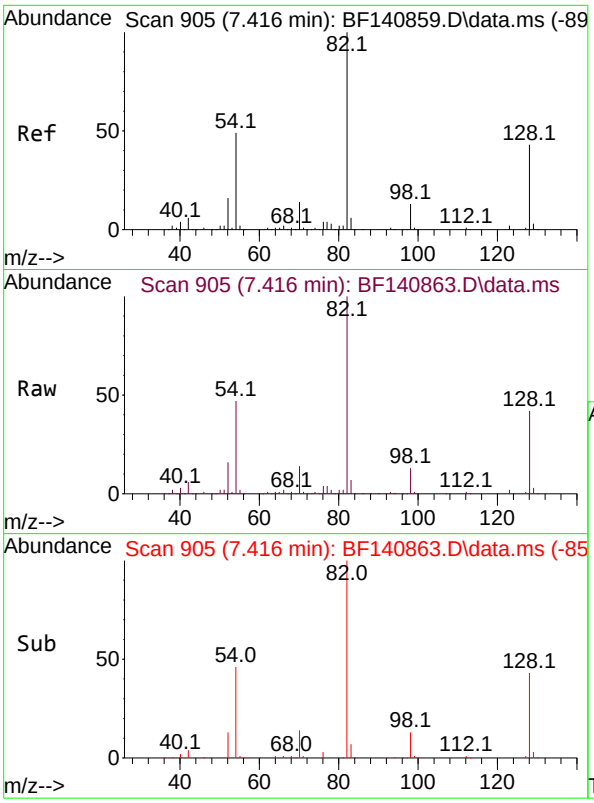




#22
Acetophenone
Concen: 36.536 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 330166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.4 | 6.2 | 9.4 |
| 51 | 32.3 | 26.3 | 39.5 |
| 120 | 21.8 | 17.1 | 25.7 |



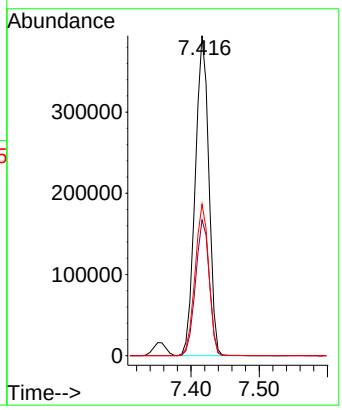


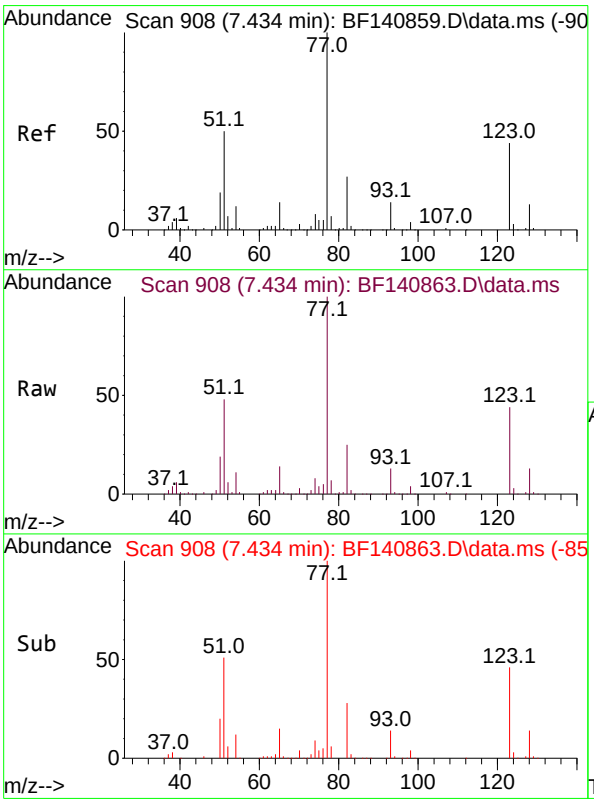

#23
Nitrobenzene-d5
Concen: 75.408 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 82 Resp: 544482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.4 | 34.4 | 51.6 |
| 54 | 47.4 | 38.8 | 58.2 |

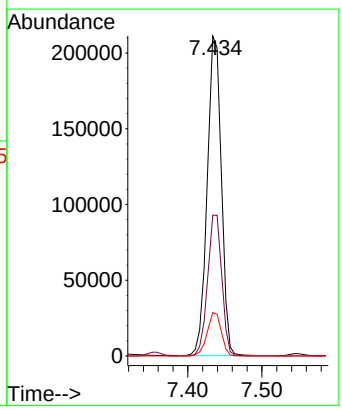


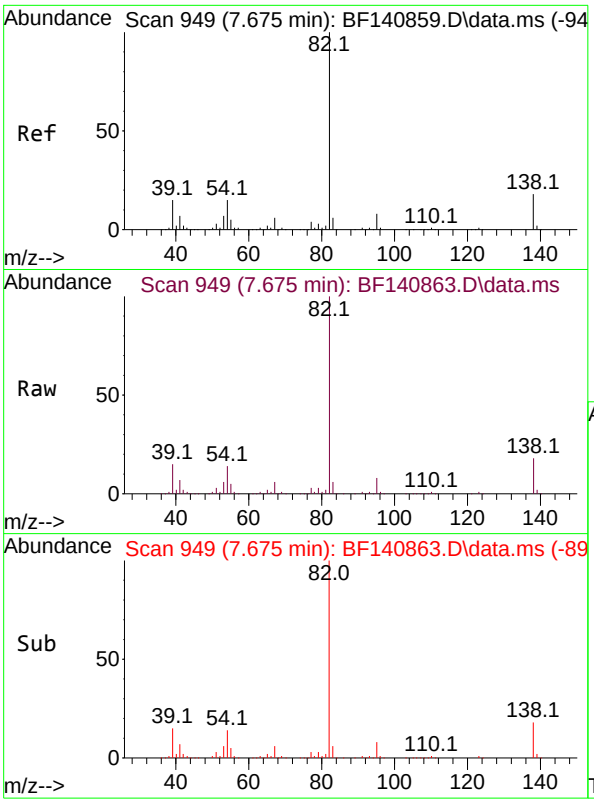




#24
Nitrobenzene
Concen: 37.836 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 77 Resp: 279878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.0 | 35.0 | 52.4 |
| 65 | 13.6 | 11.4 | 17.0 |



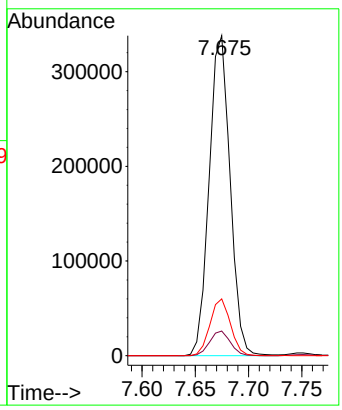


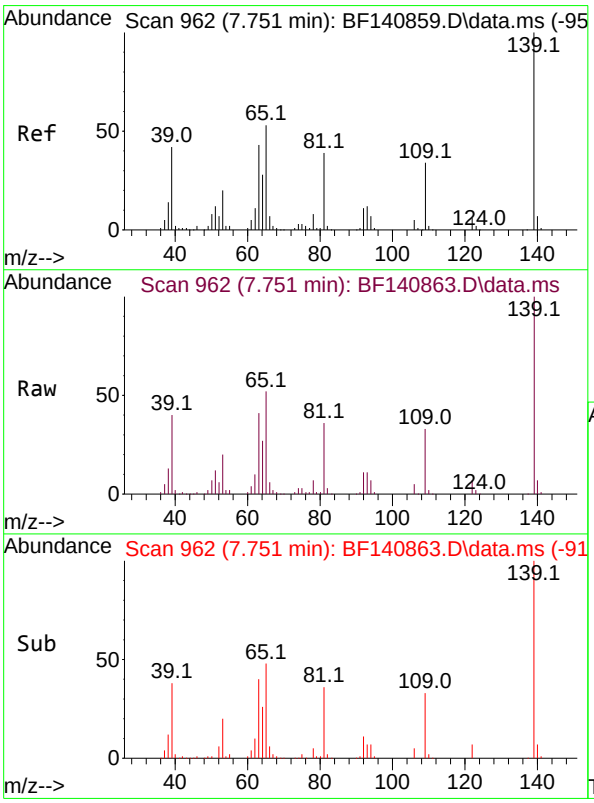

#25
Isophorone
Concen: 38.231 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 82 Resp: 462528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.3 | 9.5 |
| 138 | 17.8 | 14.1 | 21.1 |

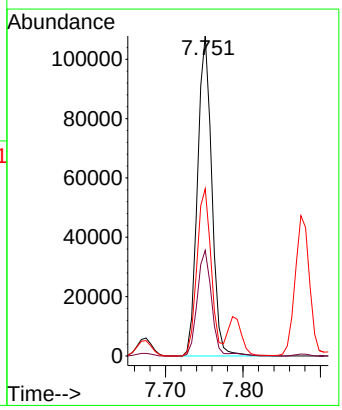


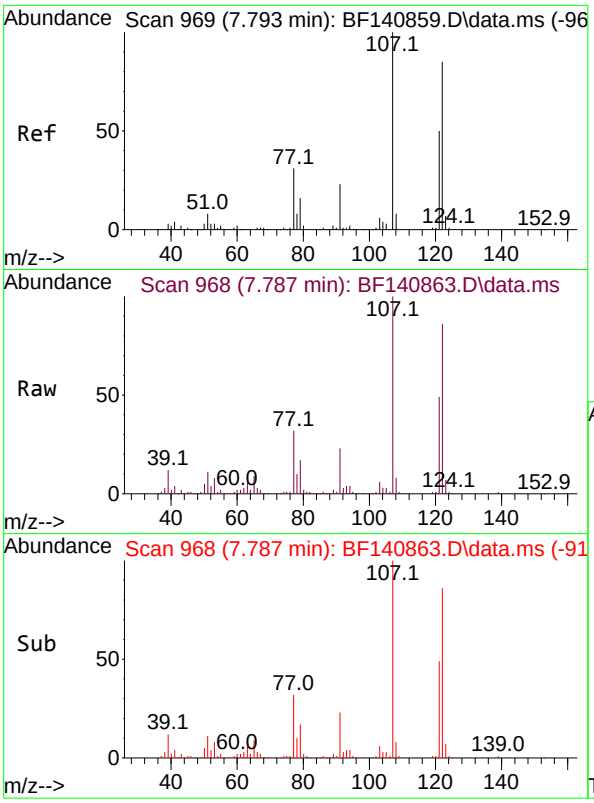




#26
2-Nitrophenol
Concen: 40.407 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:139 Resp: 137663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.0 | 26.9 | 40.3 |
| 65 | 52.2 | 42.6 | 64.0 |



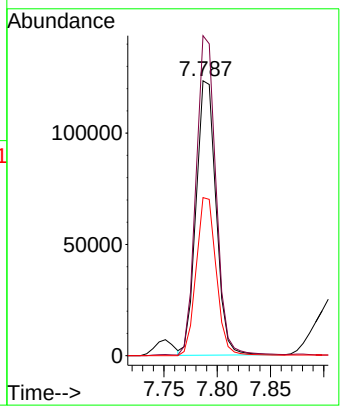


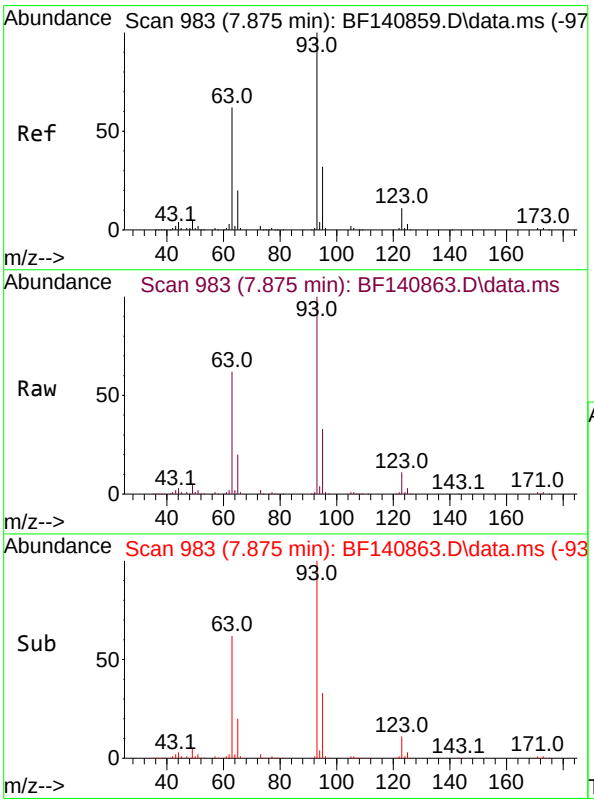

#27
2,4-Dimethylphenol
Concen: 40.466 ng
RT: 7.787 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:122 Resp: 161001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.4 | 92.6 | 139.0 |
| 121 | 57.5 | 45.8 | 68.8 |

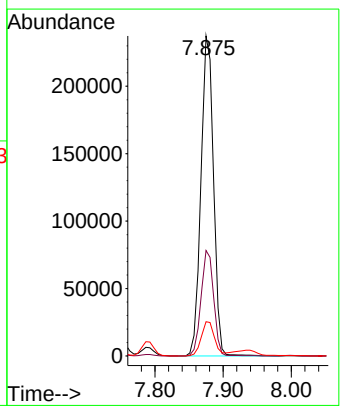


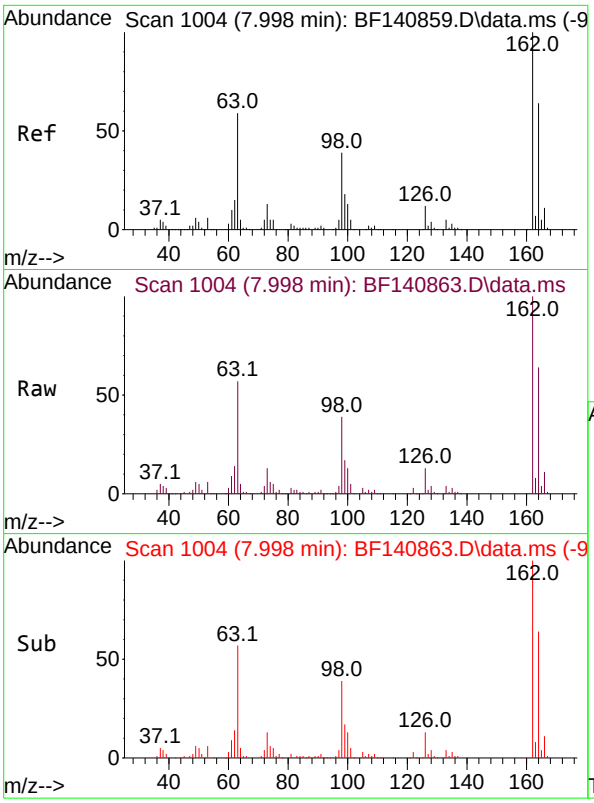




#28
bis(2-Chloroethoxy)methane
Concen: 40.334 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 93 Resp: 304778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 25.3 | 37.9 |
| 123 | 10.7 | 8.6 | 13.0 |



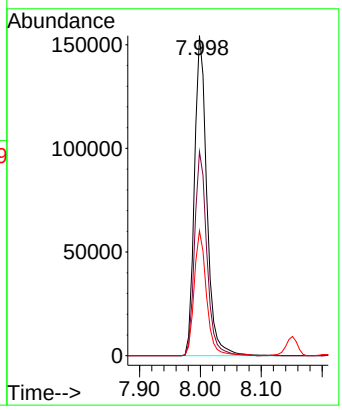


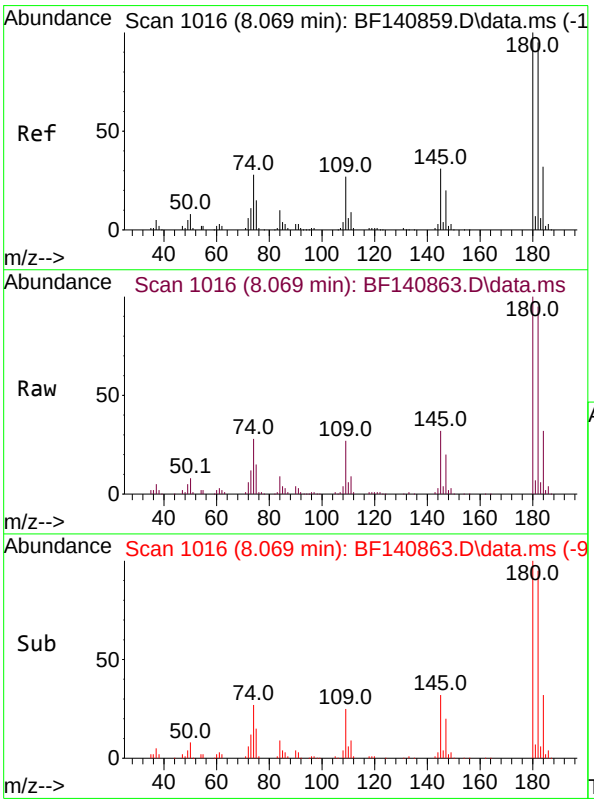

#29
2,4-Dichlorophenol
Concen: 39.658 ng
RT: 7.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:162 Resp: 217841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 43.7 | 83.7 |
| 98 | 39.0 | 18.6 | 58.6 |

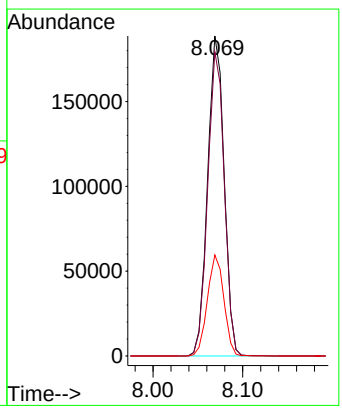


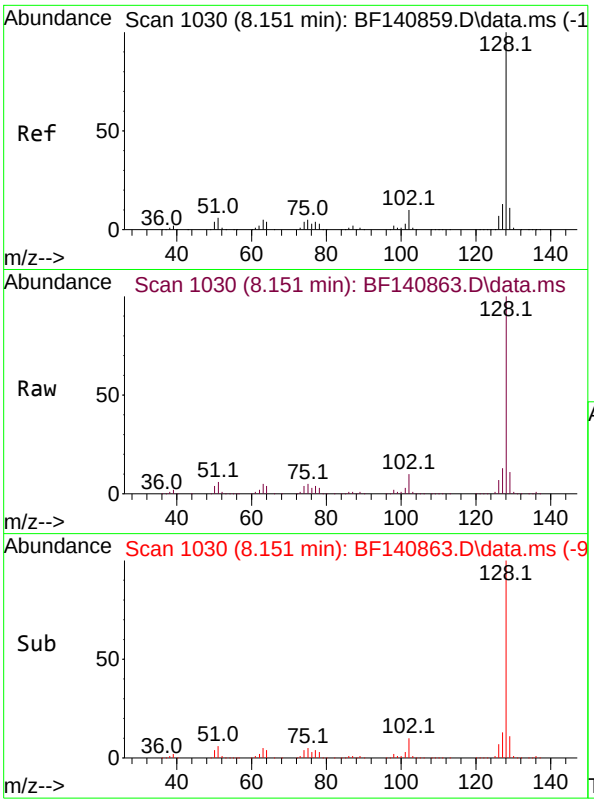




#30
1,2,4-Trichlorobenzene
Concen: 38.332 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:180 Resp: 241375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 75.8 | 113.6 |
| 145 | 31.6 | 25.2 | 37.8 |



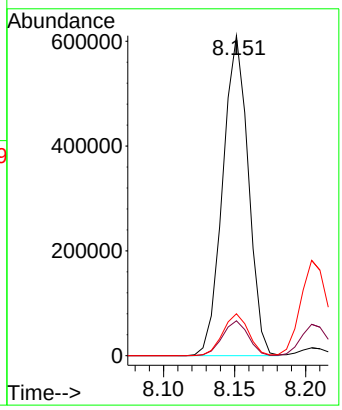


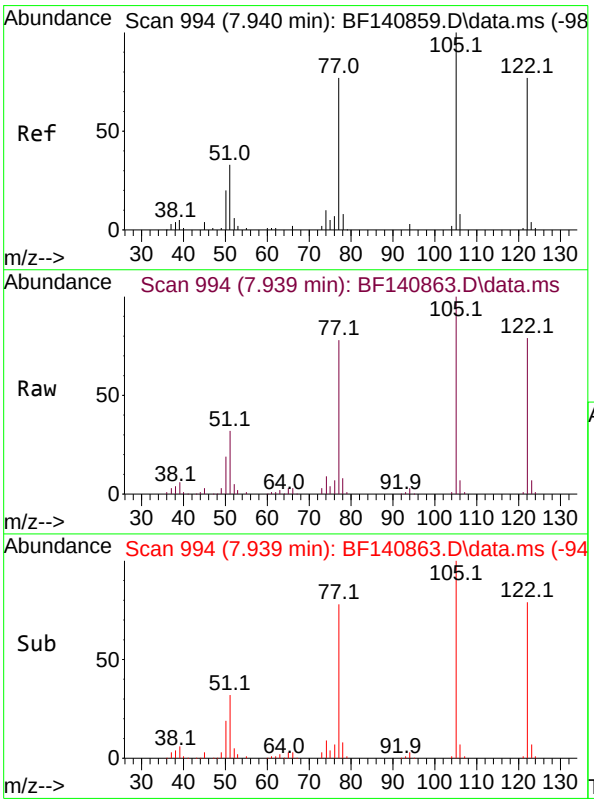

#31
Naphthalene
Concen: 38.473 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:128 Resp: 763453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.1 | 10.6 | 16.0 |

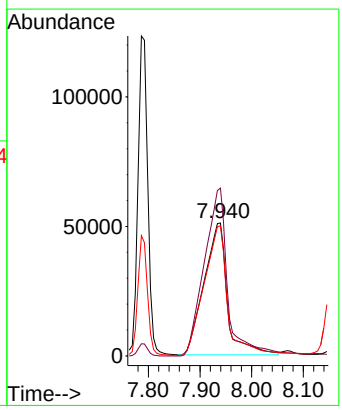


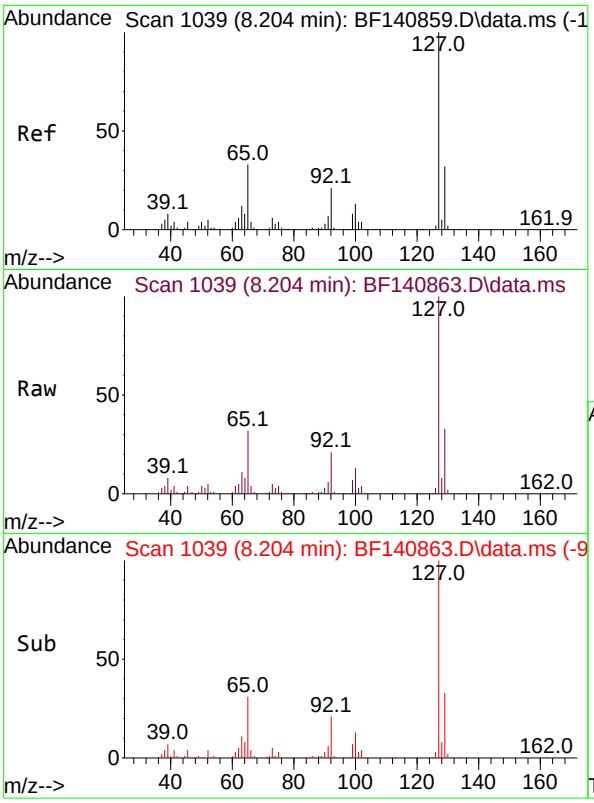




#32
Benzoic acid
Concen: 42.351 ng
RT: 7.939 min Scan# 994
Delta R.T. -0.001 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:122 Resp: 159806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.3 | 108.3 | 148.3 |
| 77 | 98.0 | 78.8 | 118.8 |



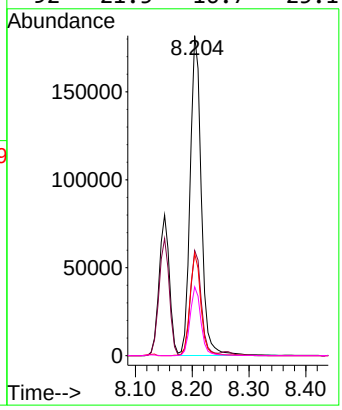


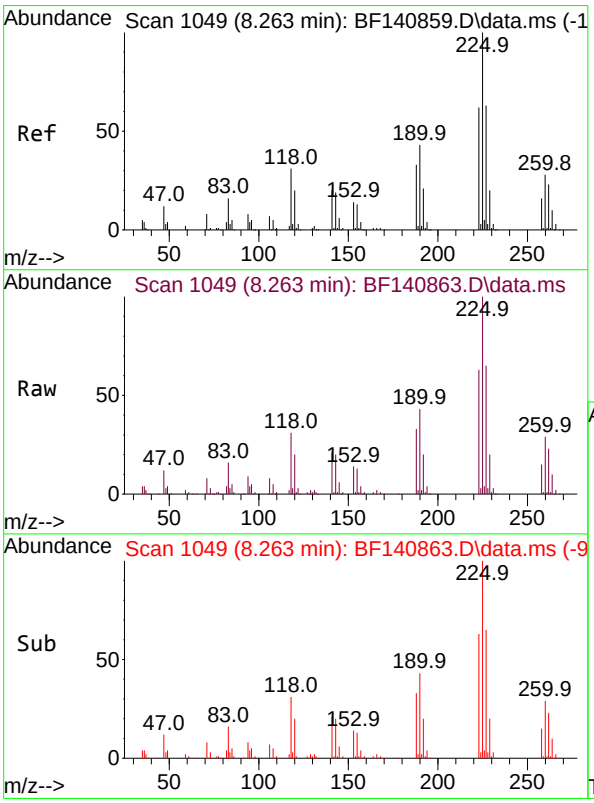

#33
4-Chloroaniline
Concen: 37.650 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:127 Resp: 248138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.0 | 39.0 |
| 65 | 31.9 | 26.0 | 39.0 |
| 92 | 21.5 | 16.7 | 25.1 |

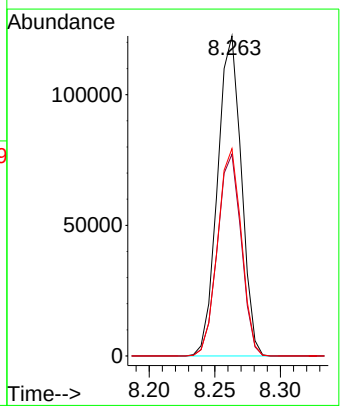


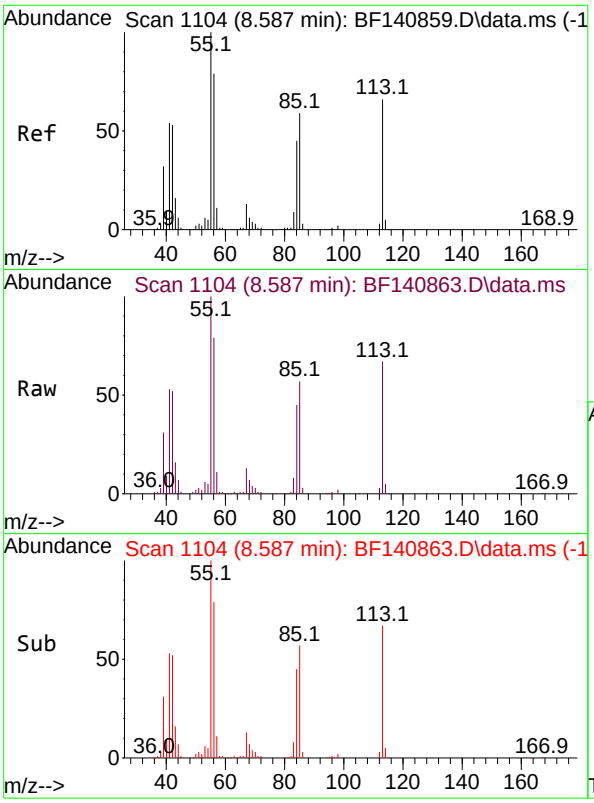




#34
Hexachlorobutadiene
Concen: 36.462 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:225 Resp: 154475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 49.6 | 74.4 |
| 227 | 64.8 | 50.7 | 76.1 |



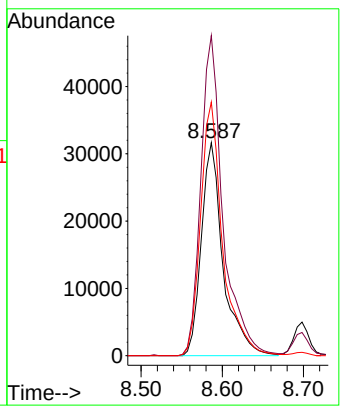


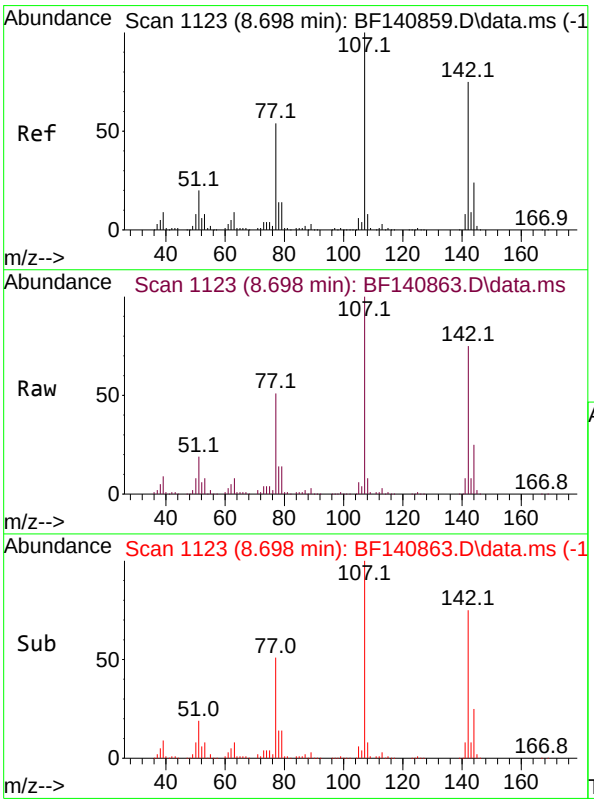

#35
Caprolactam
Concen: 36.113 ng
RT: 8.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:113 Resp: 59056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 150.3 | 132.3 | 172.3 |
| 56 | 119.1 | 100.3 | 140.3 |

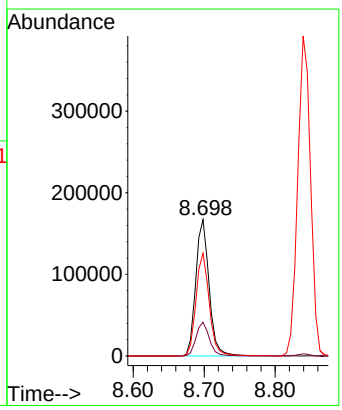


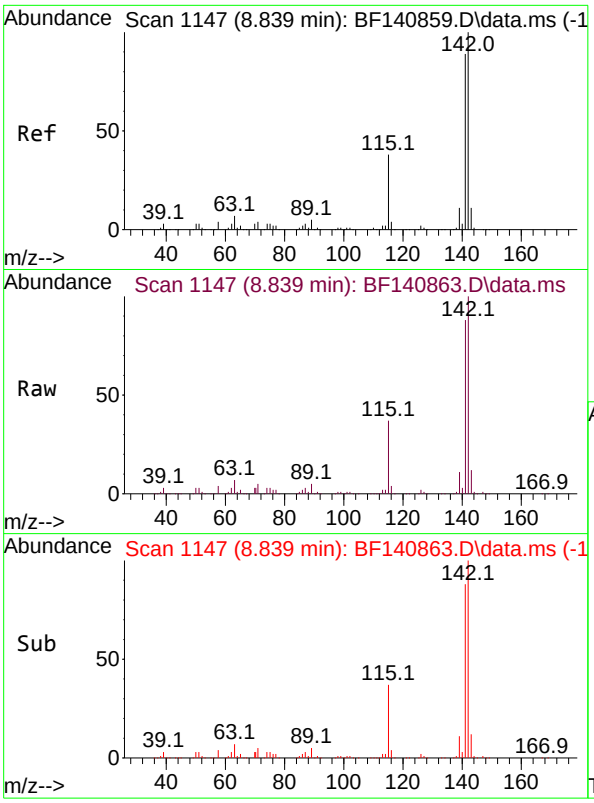




#36
4-Chloro-3-methylphenol
Concen: 35.477 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:107 Resp: 219338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 19.4 | 29.2 |
| 142 | 75.3 | 60.3 | 90.5 |



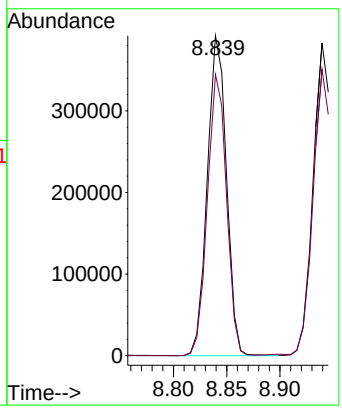


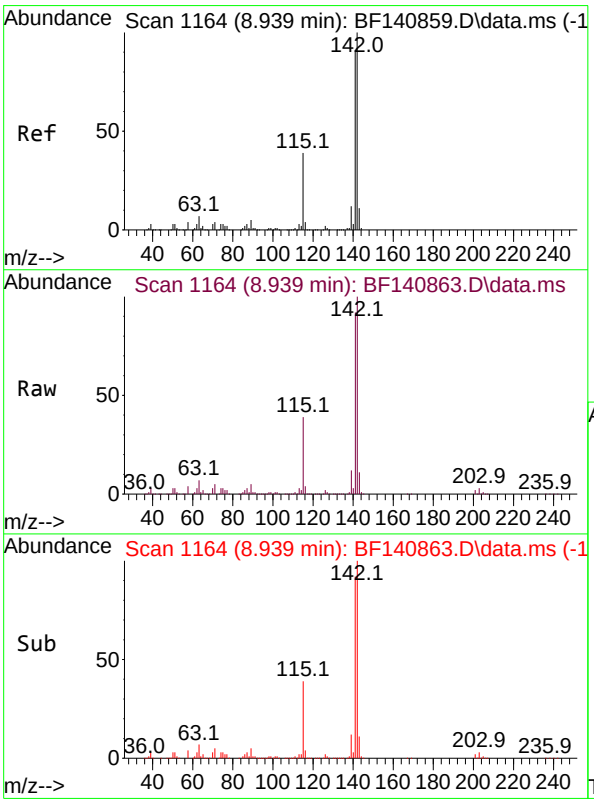

#37
2-Methylnaphthalene
Concen: 37.337 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:142 Resp: 490114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 71.0 | 106.6 |

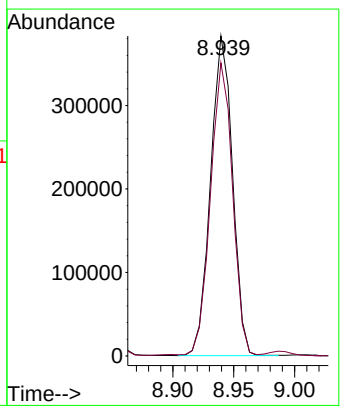


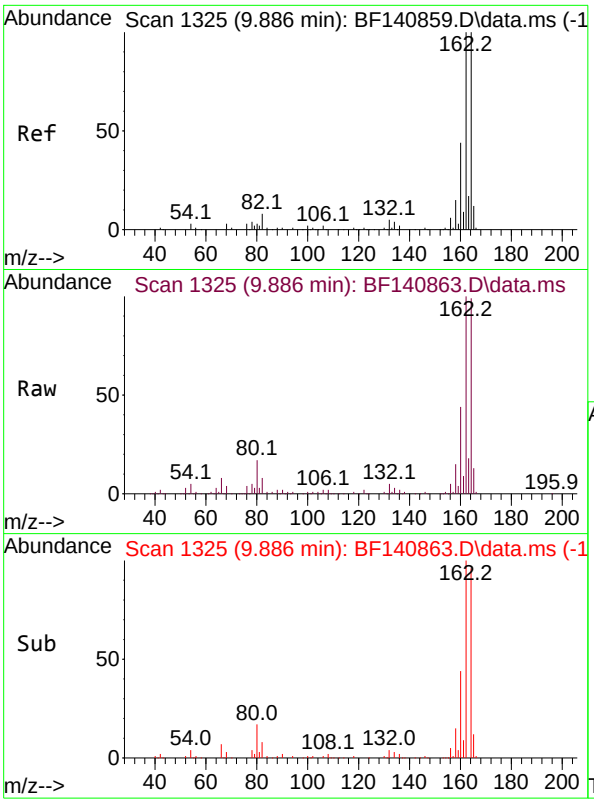




#38
1-Methylnaphthalene
Concen: 36.969 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:142 Resp: 479930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.4 | 110.0 |



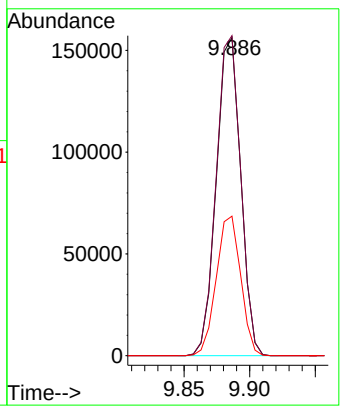


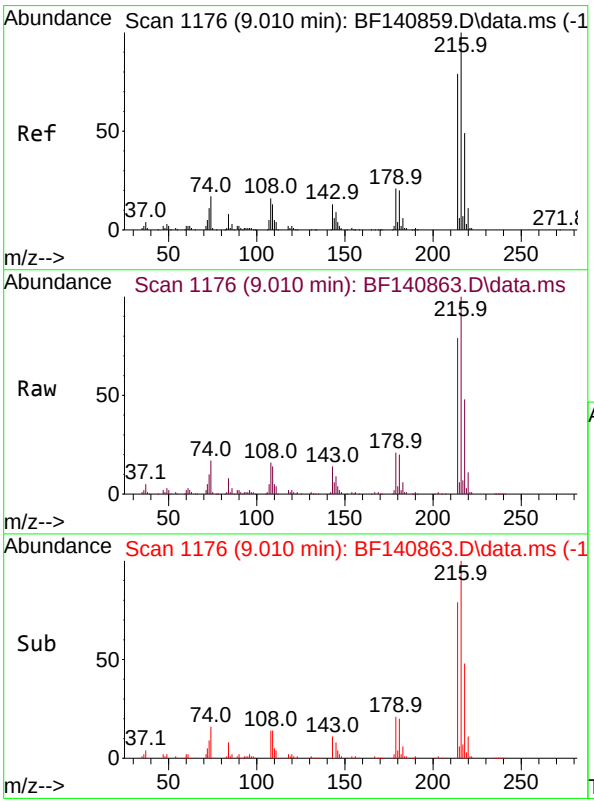

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:164 Resp: 202013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 79.9 | 119.9 |
| 160 | 43.9 | 35.2 | 52.8 |

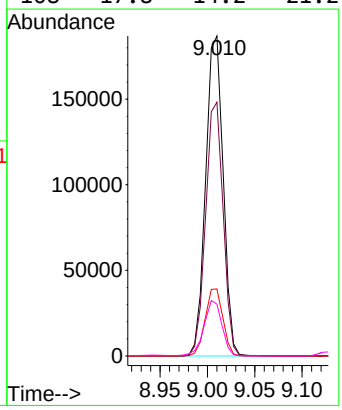


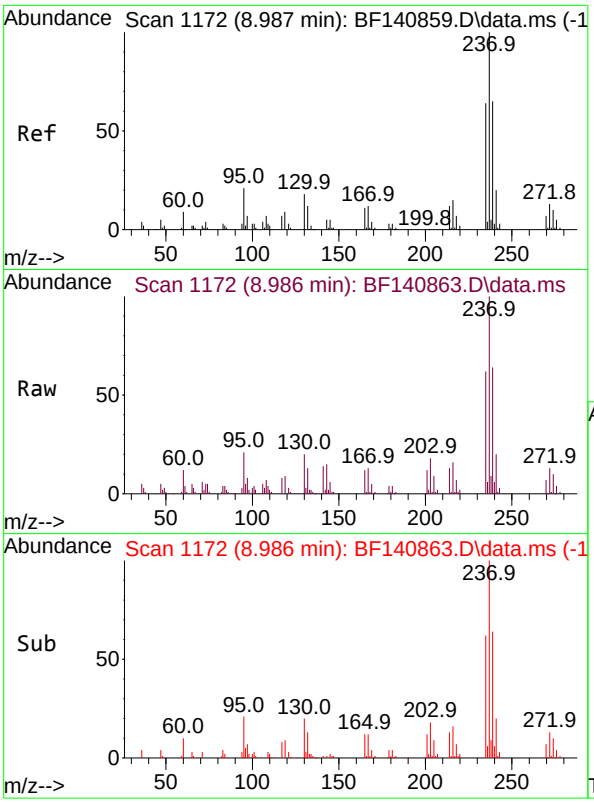




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.668 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:216 Resp: 240096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.6 | 95.4 |
| 179 | 21.1 | 17.0 | 25.4 |
| 108 | 17.8 | 14.2 | 21.2 |



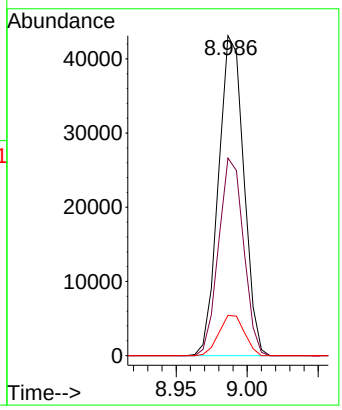


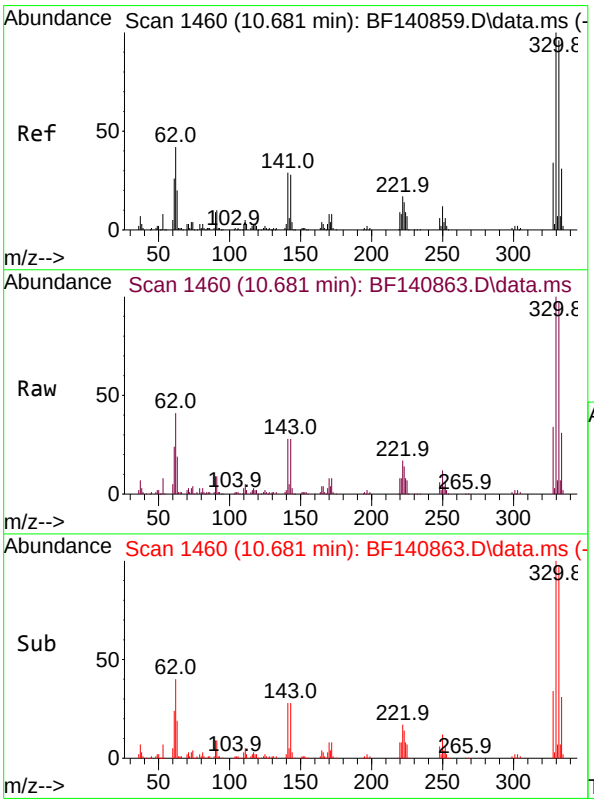

#41
Hexachlorocyclopentadiene
Concen: 37.672 ng
RT: 8.986 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:237 Resp: 53352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.7 | 43.7 | 83.7 |
| 272 | 12.6 | 0.0 | 32.9 |

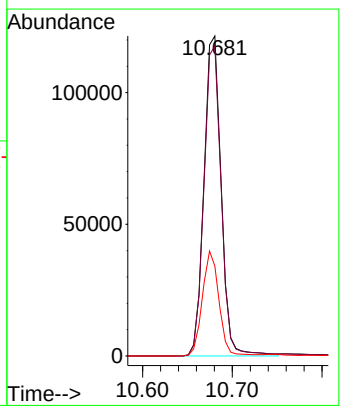


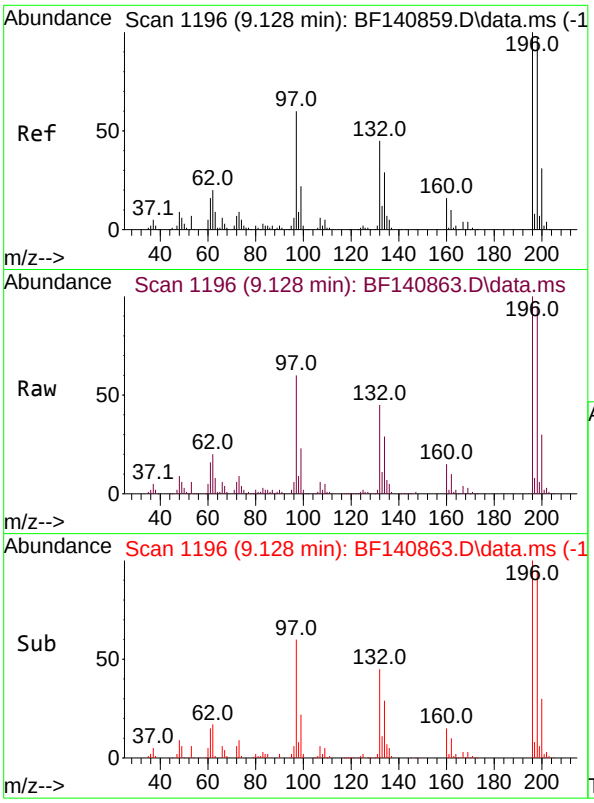




#42
2,4,6-Tribromophenol
Concen: 67.791 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:330 Resp: 161969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.0 | 76.2 | 114.4 |
| 141 | 31.6 | 24.9 | 37.3 |



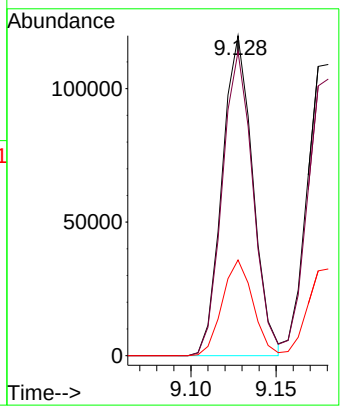


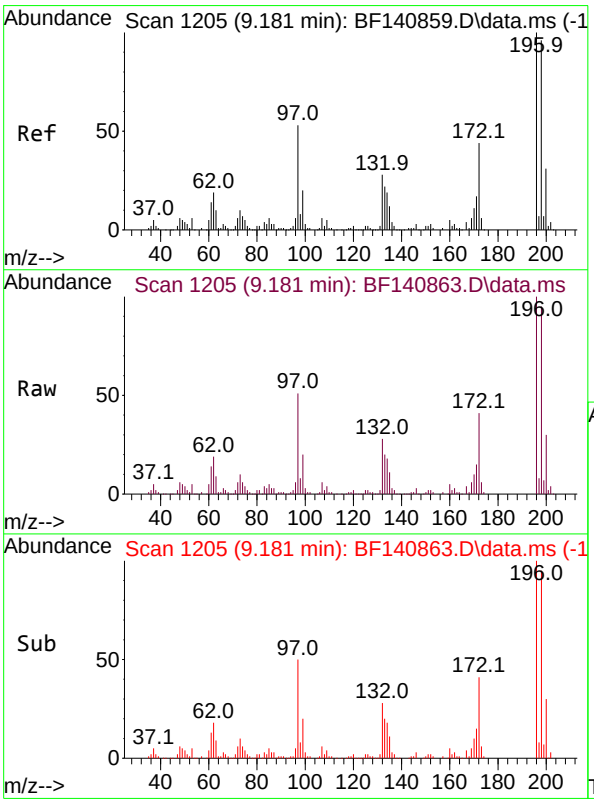

#43
2,4,6-Trichlorophenol
Concen: 39.419 ng
RT: 9.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:196 Resp: 149871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.0 | 77.4 | 116.0 |
| 200 | 29.9 | 24.5 | 36.7 |

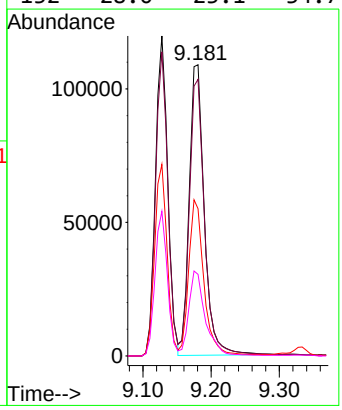


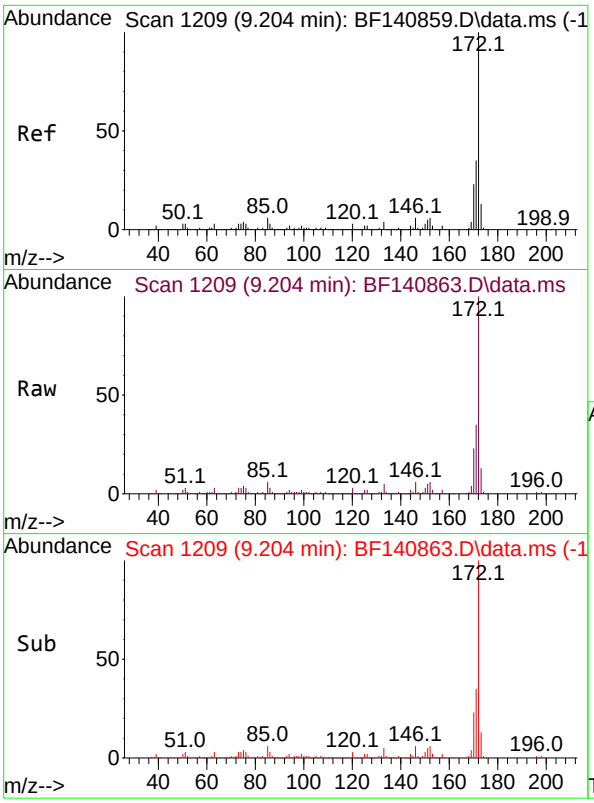




#44
2,4,5-Trichlorophenol
Concen: 39.895 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:196 Resp: 166716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.0 | 77.2 | 115.8 |
| 97 | 50.5 | 42.2 | 63.4 |
| 132 | 28.0 | 23.1 | 34.7 |



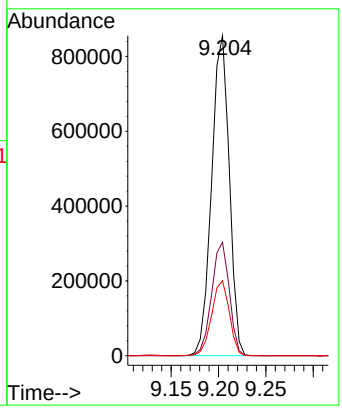


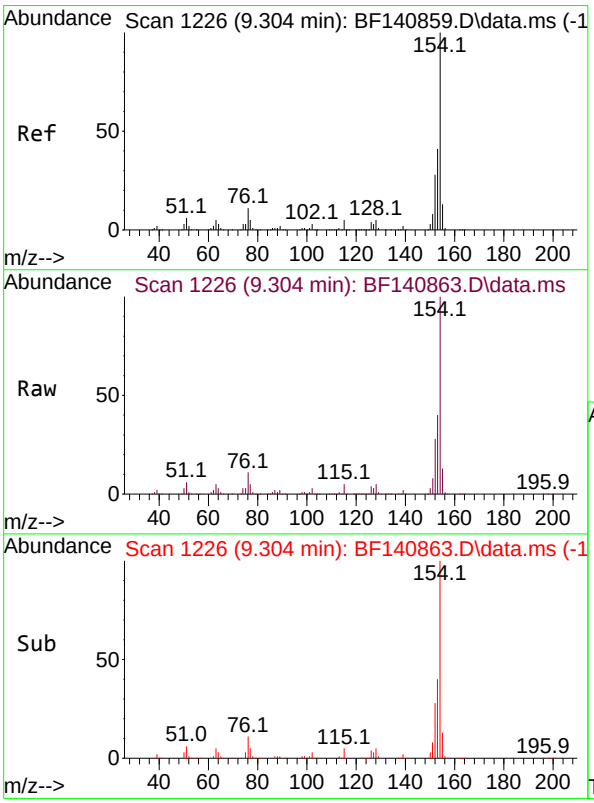

#45
2-Fluorobiphenyl
Concen: 75.432 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:172 Resp: 1108356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.4 | 42.6 |
| 170 | 23.5 | 18.6 | 28.0 |

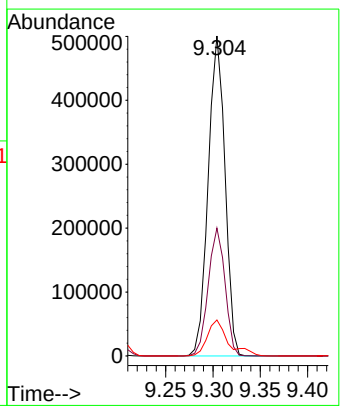


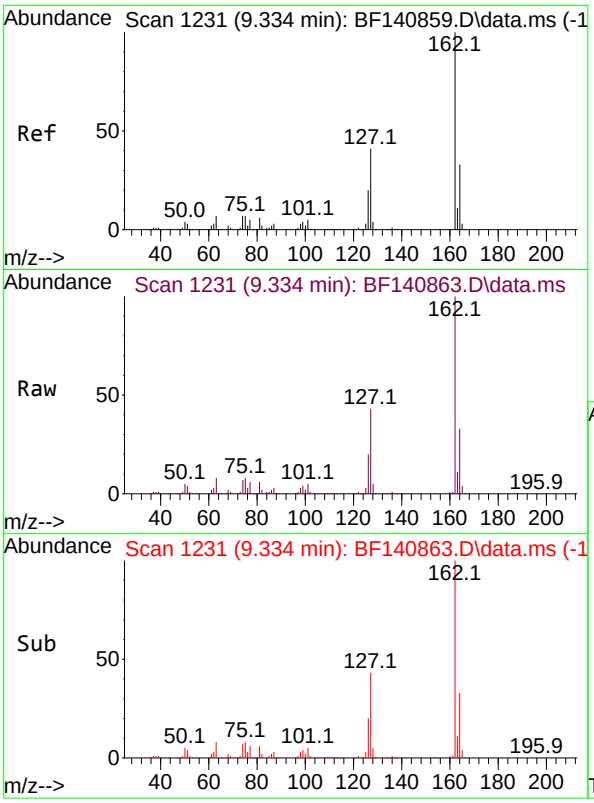




#46
1,1'-Biphenyl
Concen: 38.412 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:154 Resp: 617038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.8 | 60.8 |
| 76 | 11.3 | 0.0 | 31.0 |



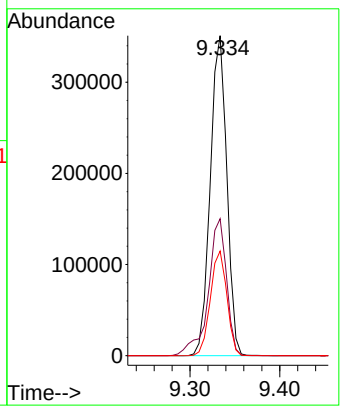


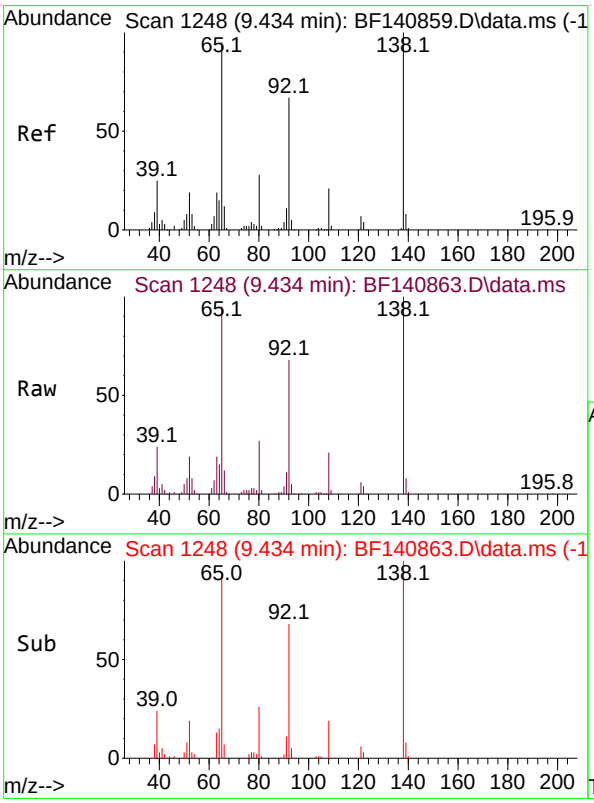

#47
2-Chloronaphthalene
Concen: 36.522 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:162 Resp: 448814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.8 | 33.5 | 50.3 |
| 164 | 32.7 | 26.2 | 39.2 |

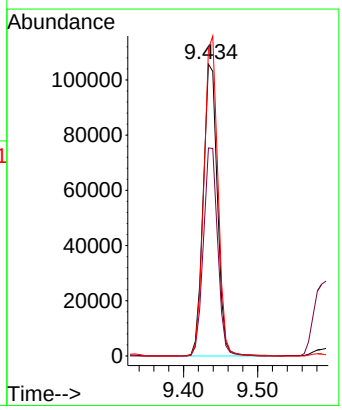


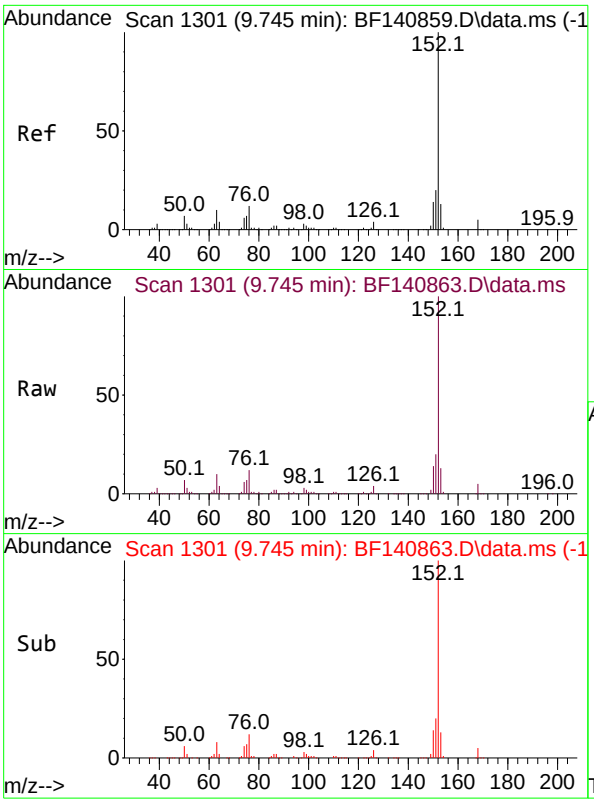




#48
2-Nitroaniline
Concen: 37.990 ng
RT: 9.434 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 65 Resp: 140999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.3 | 56.3 | 84.5 |
| 138 | 105.2 | 83.8 | 125.6 |



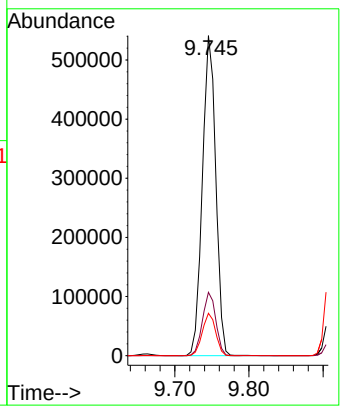


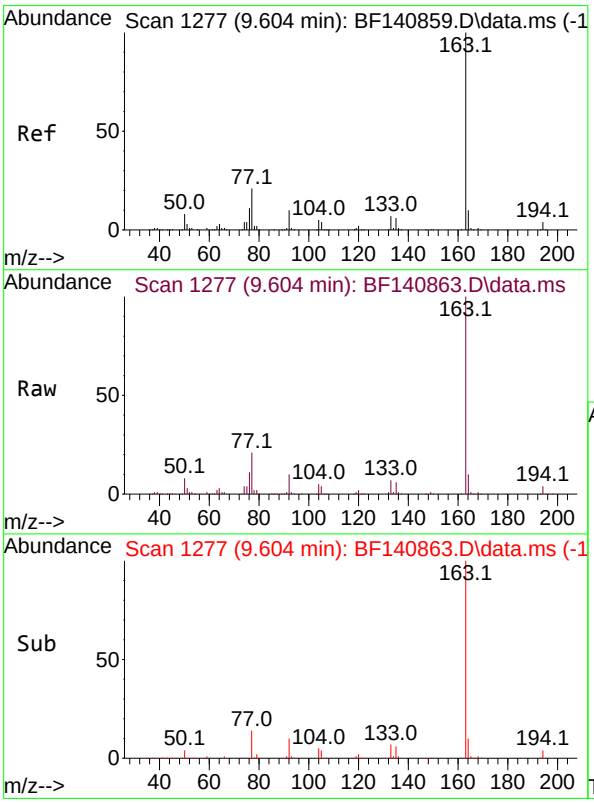

#49
Acenaphthylene
Concen: 37.651 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:152 Resp: 679962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 16.0 |

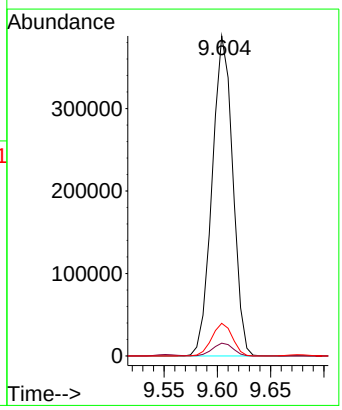


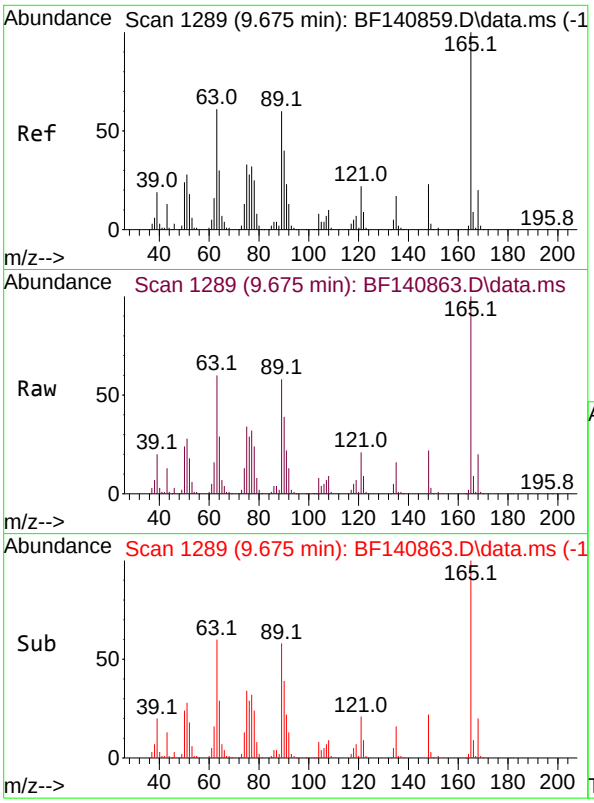




#50
Dimethylphthalate
Concen: 36.704 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:163 Resp: 522757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.2 | 8.1 | 12.1 |



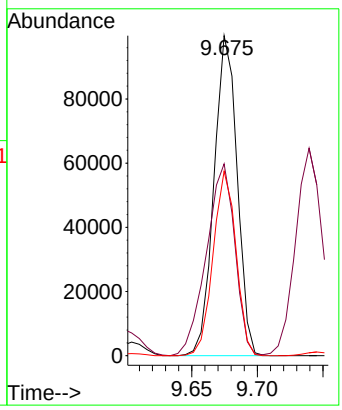


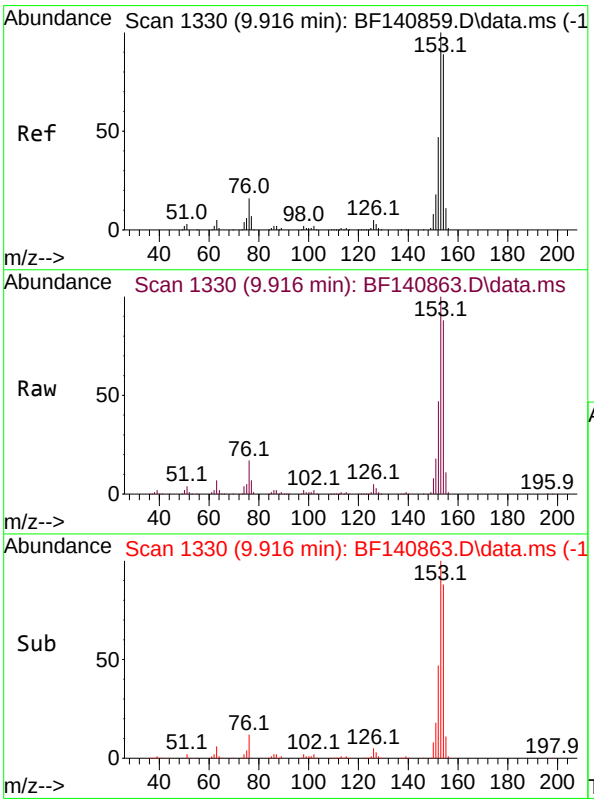

#51
2,6-Dinitrotoluene
Concen: 37.595 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:165 Resp: 122408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.0 | 49.7 | 74.5 |
| 89 | 57.6 | 48.2 | 72.4 |

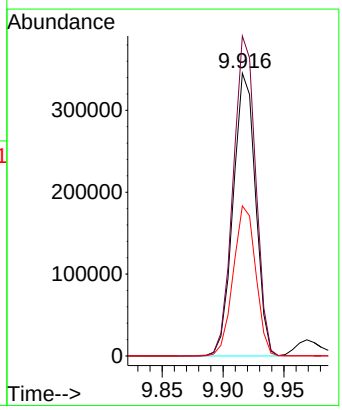


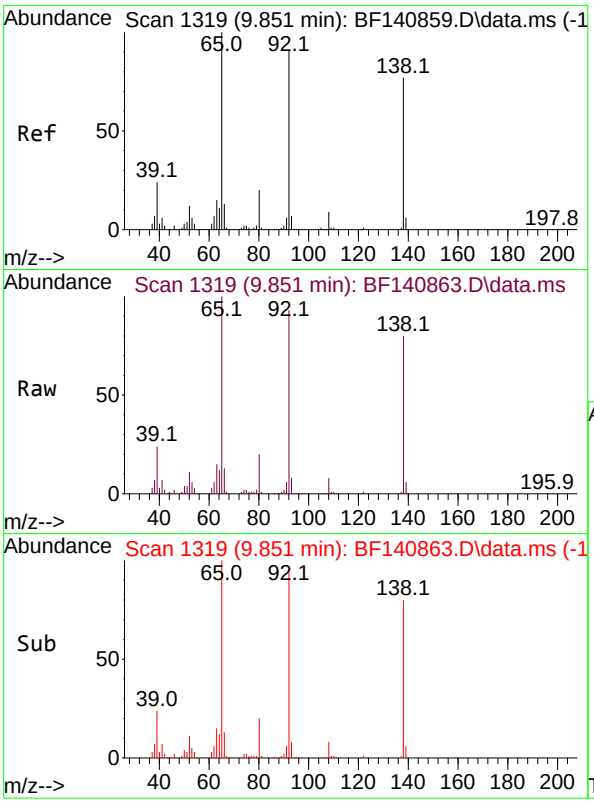




#52
Acenaphthene
Concen: 38.275 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:154 Resp: 441540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.2 | 89.9 | 134.9 |
| 152 | 53.1 | 42.6 | 63.8 |



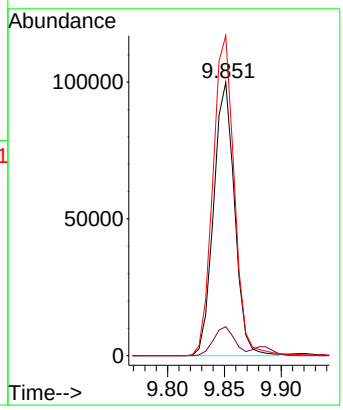


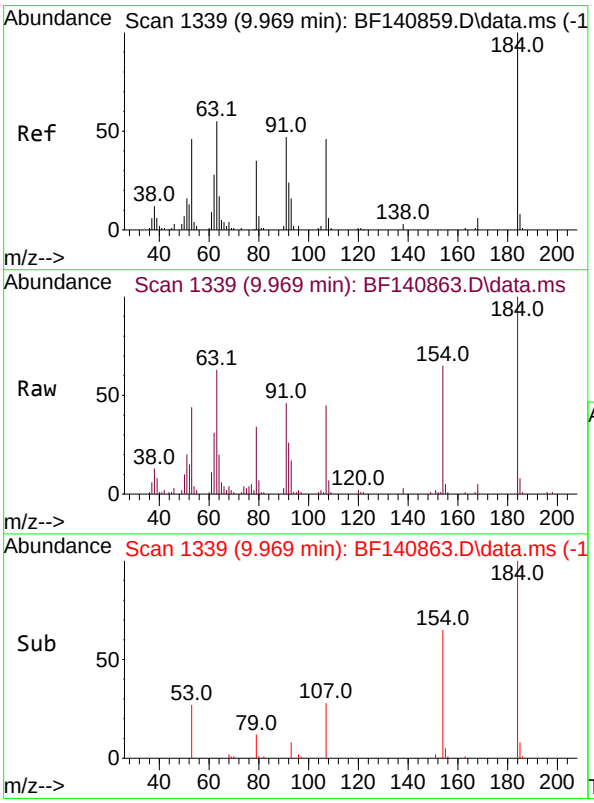

#53
3-Nitroaniline
Concen: 39.722 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:138 Resp: 128348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 9.0 | 13.4 |
| 92 | 117.1 | 95.5 | 143.3 |

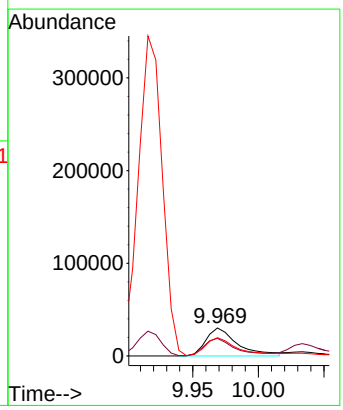


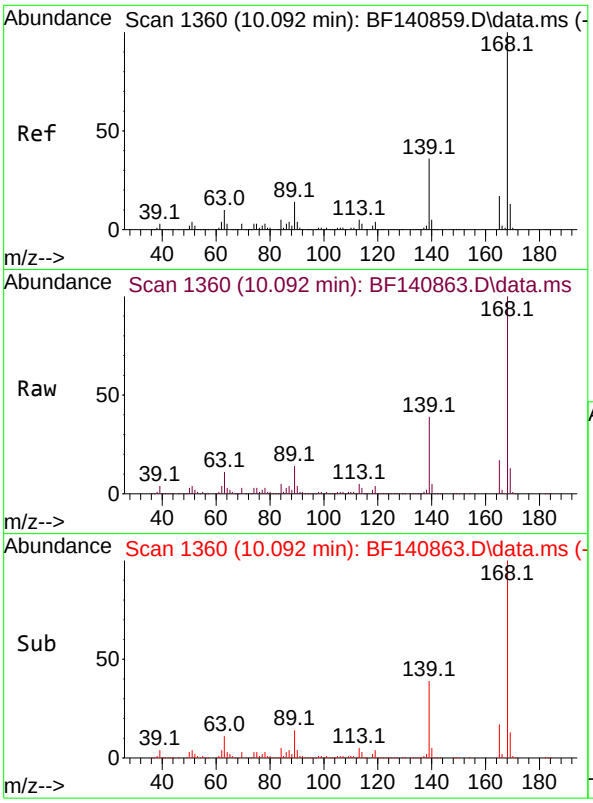




#54
2,4-Dinitrophenol
Concen: 35.766 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:184 Resp: 50562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.0 | 51.6 | 77.4 |
| 154 | 65.4 | 56.1 | 84.1 |



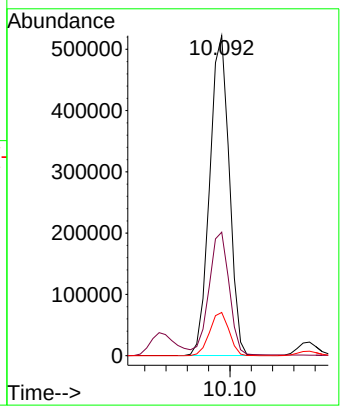


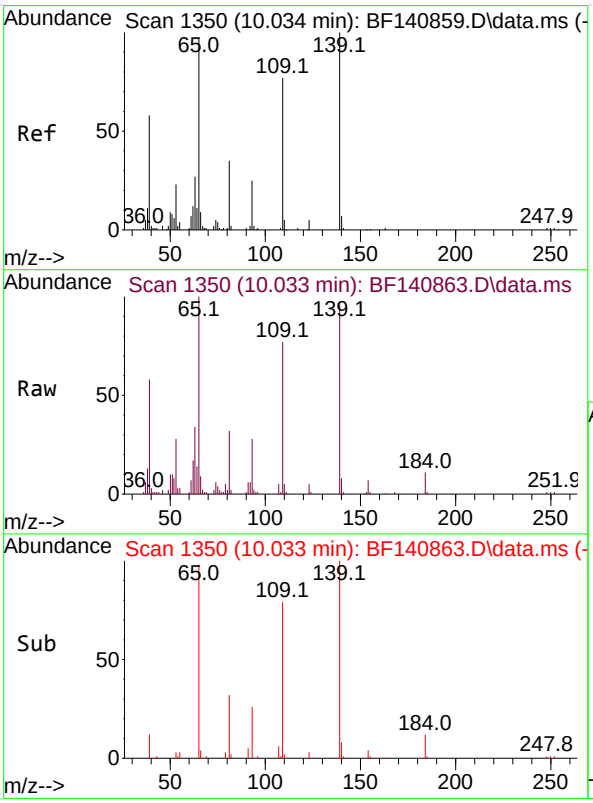

#55
Dibenzofuran
Concen: 37.113 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:168 Resp: 663435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.6 | 31.1 | 46.7 |
| 169 | 13.5 | 10.6 | 16.0 |

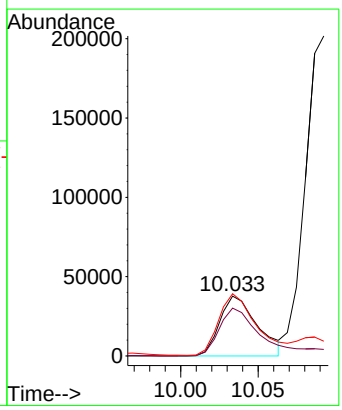


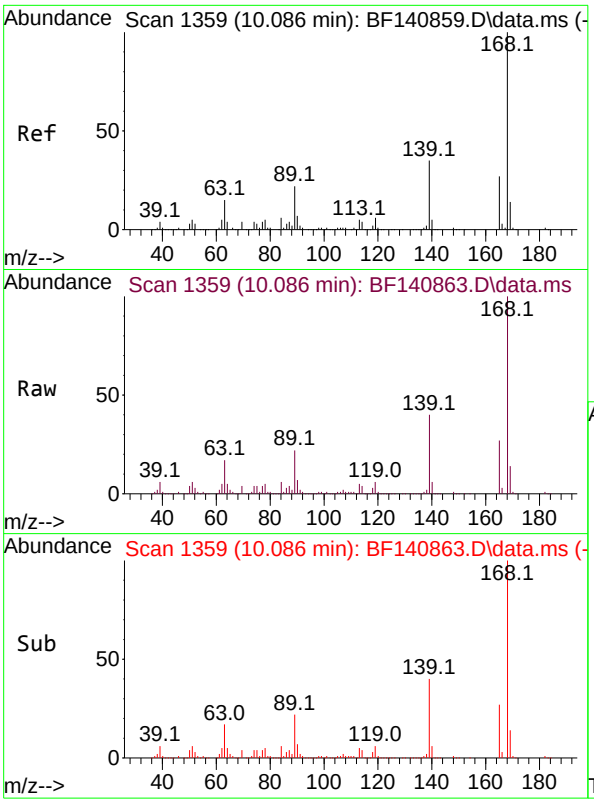




#56
4-Nitrophenol
Concen: 38.834 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:139 Resp: 63289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.0 | 56.7 | 96.7 |
| 65 | 103.8 | 78.1 | 118.1 |



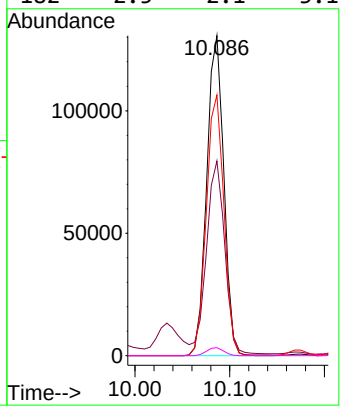


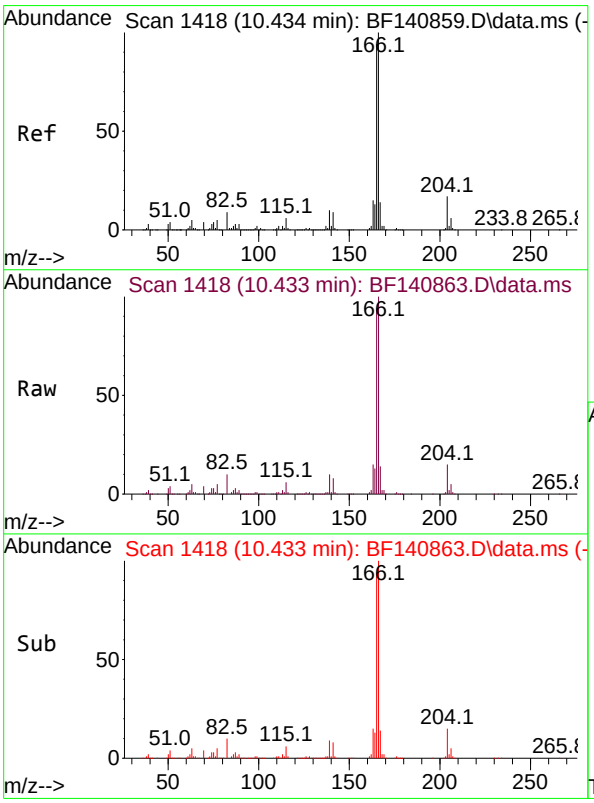

#57
2,4-Dinitrotoluene
Concen: 38.076 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:165 Resp: 163115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.9 | 49.3 | 73.9 |
| 89 | 81.5 | 66.2 | 99.4 |
| 182 | 2.5 | 2.1 | 3.1 |

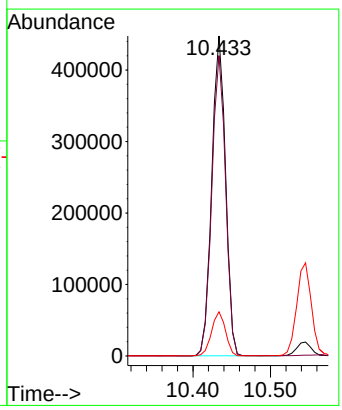


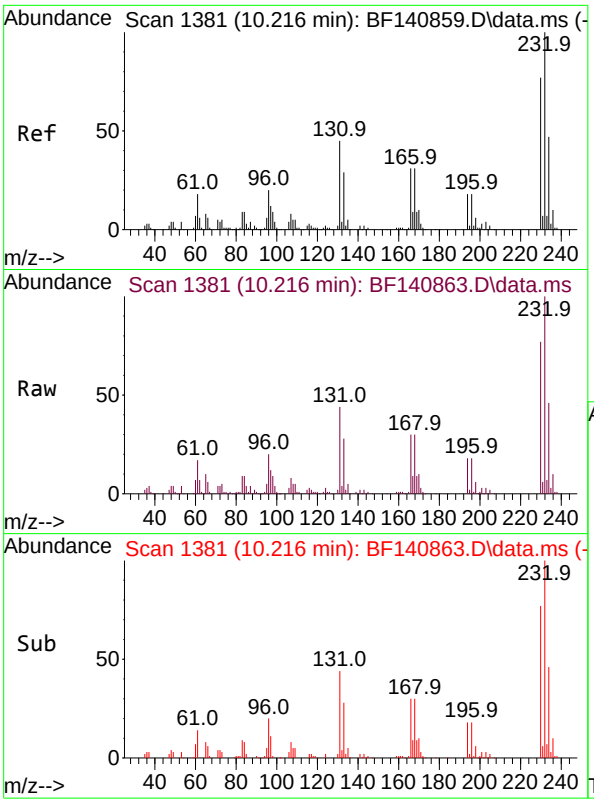




#58
Fluorene
Concen: 37.370 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:166 Resp: 551110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.8 | 11.1 | 16.7 |



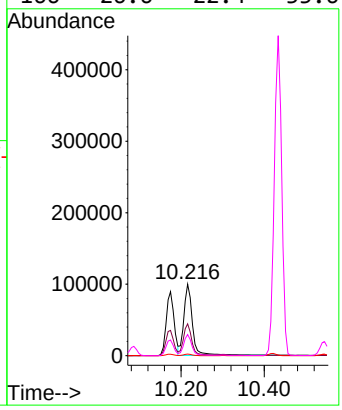


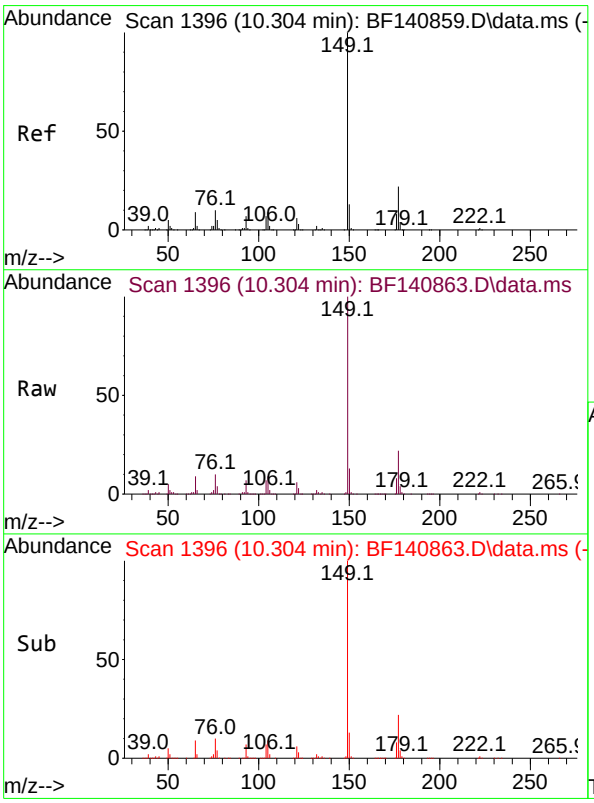

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.405 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:232 Resp: 144396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.6 | 35.1 | 52.7 |
| 130 | 2.2 | 1.8 | 2.8 |
| 166 | 26.6 | 22.4 | 33.6 |

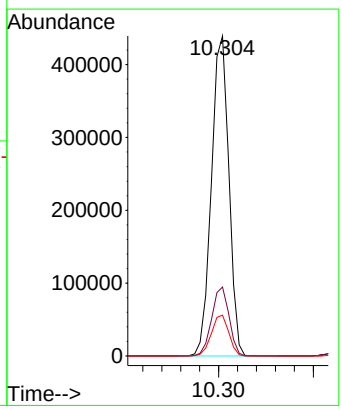


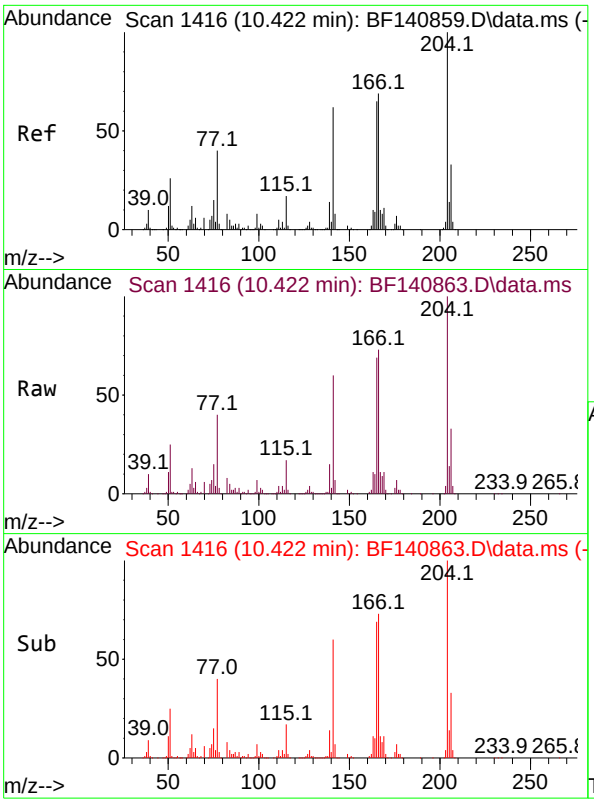




#60
Diethylphthalate
Concen: 37.926 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 560121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |



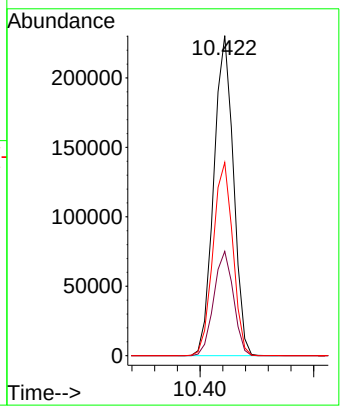


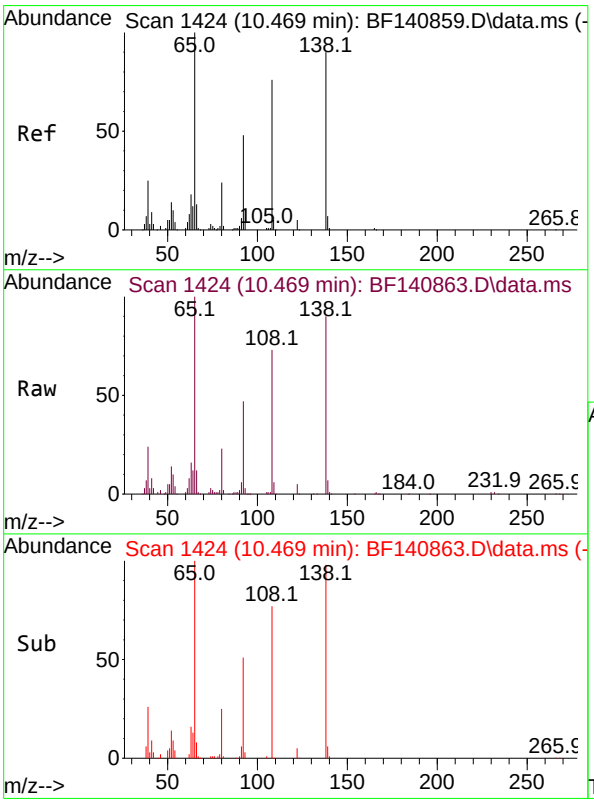

#61
4-Chlorophenyl-phenylether
Concen: 37.398 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:204 Resp: 277040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.5 | 39.7 |
| 141 | 60.3 | 50.0 | 75.0 |

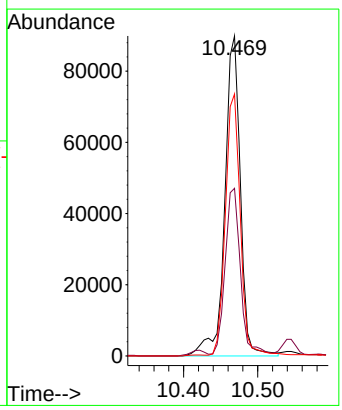


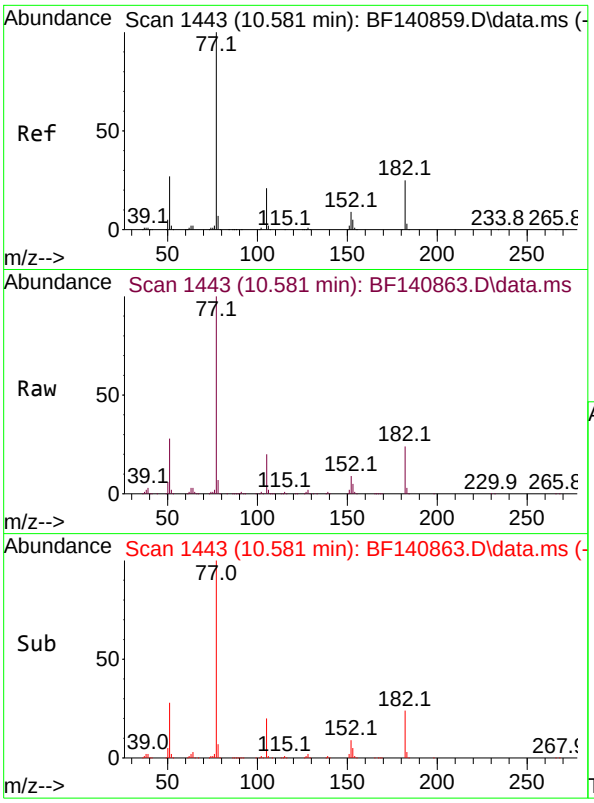




#62
4-Nitroaniline
Concen: 38.912 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:138 Resp: 131388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.4 | 32.6 | 72.6 |
| 108 | 81.8 | 64.1 | 104.1 |



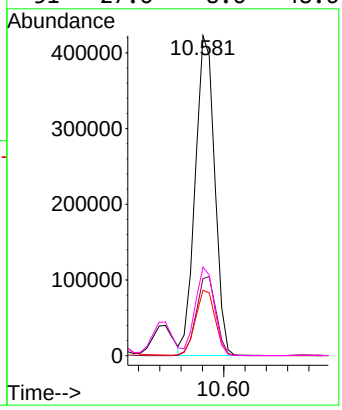


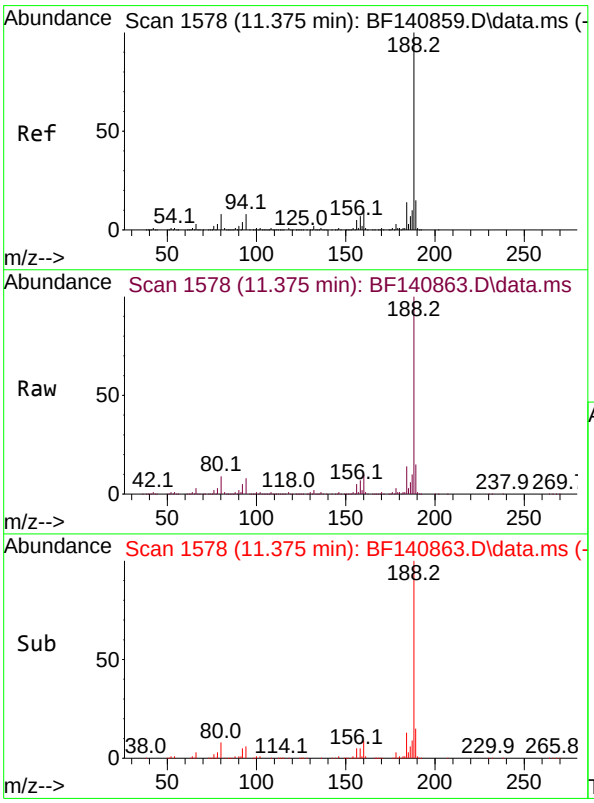

#63
Azobenzene
Concen: 38.657 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion: 77 Resp: 536731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.1 | 4.5 | 44.5 |
| 105 | 20.5 | 0.9 | 40.9 |
| 51 | 27.6 | 8.6 | 48.6 |

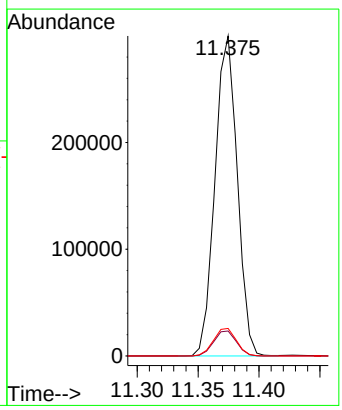


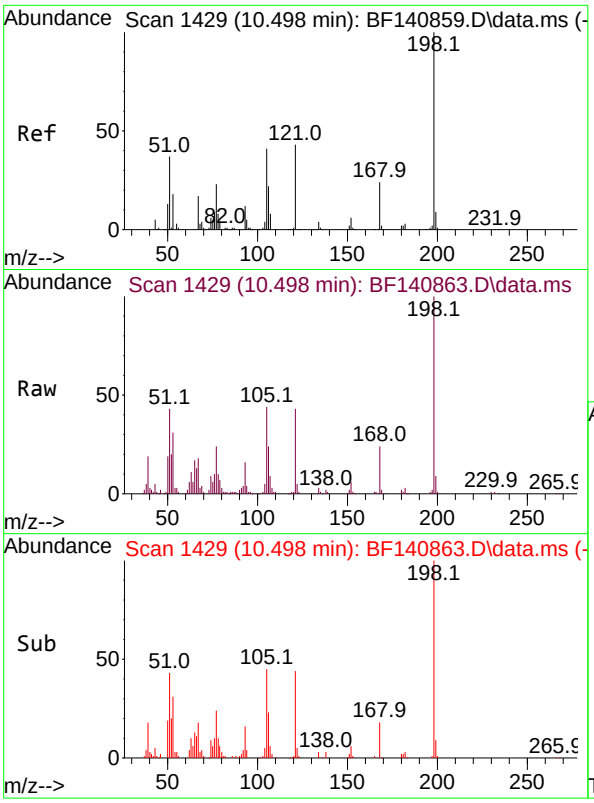




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:188 Resp: 381984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.4 | 9.6 |
| 80 | 8.6 | 6.8 | 10.2 |



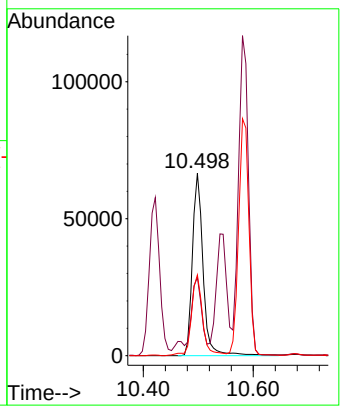


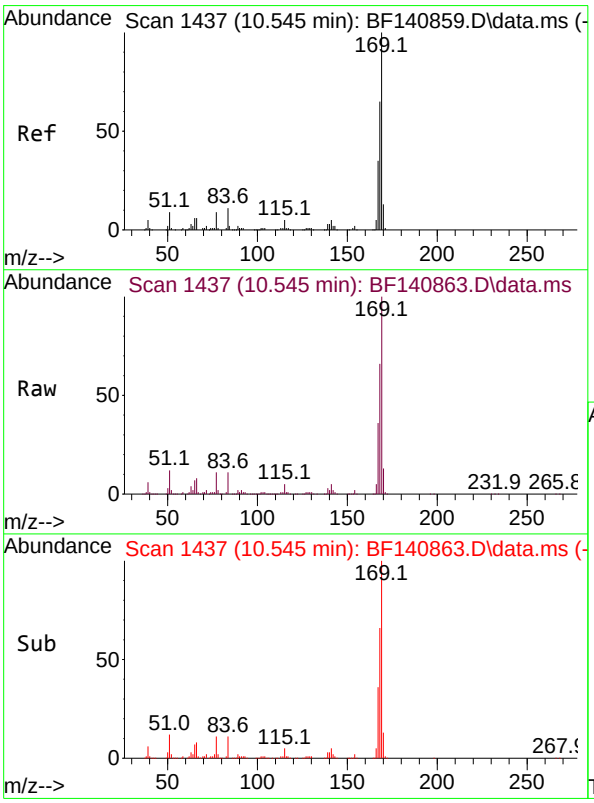

#65
4,6-Dinitro-2-methylphenol
Concen: 41.637 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:198 Resp: 90125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.9 | 24.4 | 64.4 |
| 105 | 44.3 | 22.1 | 62.1 |

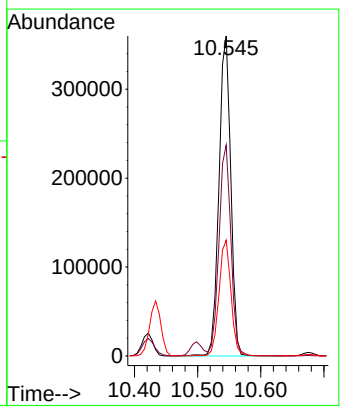


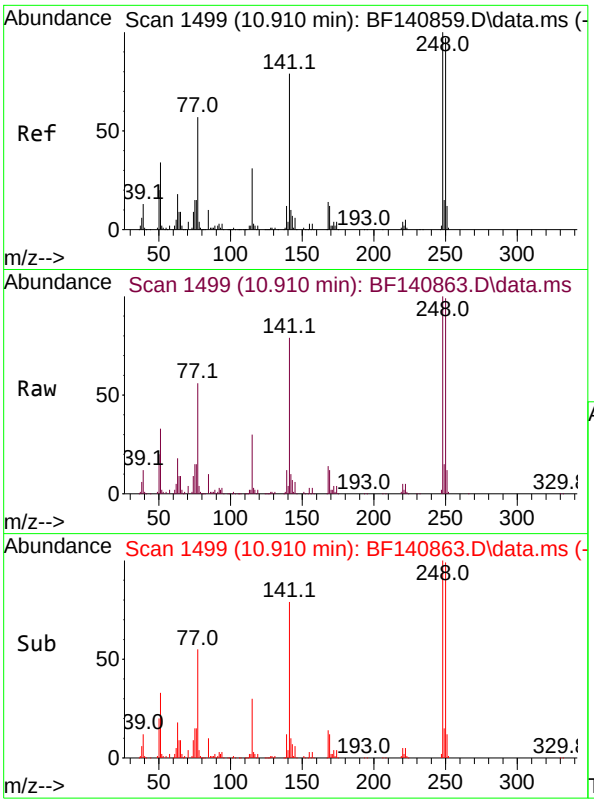




#66
n-Nitrosodiphenylamine
Concen: 39.710 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:169 Resp: 466366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 53.4 | 80.0 |
| 167 | 36.2 | 28.3 | 42.5 |



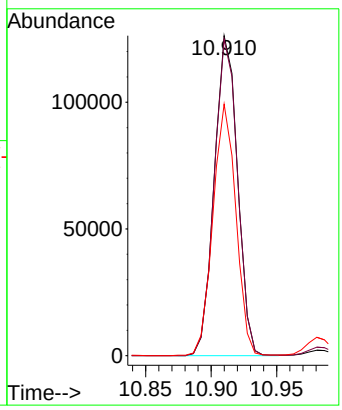


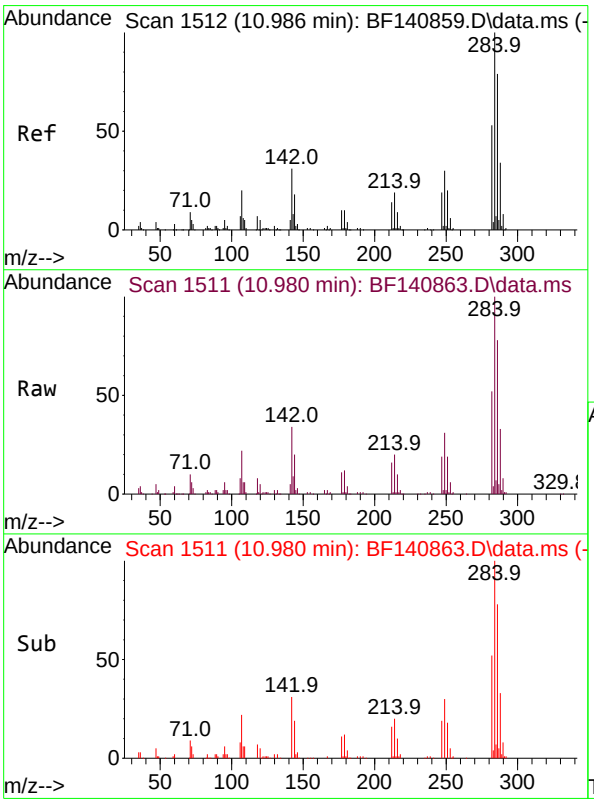

#67
4-Bromophenyl-phenylether
Concen: 36.329 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:248 Resp: 155245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.9 | 77.4 | 116.2 |
| 141 | 78.6 | 62.9 | 94.3 |

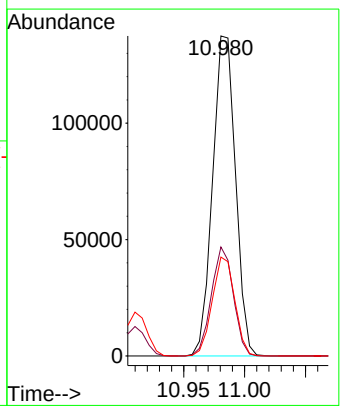


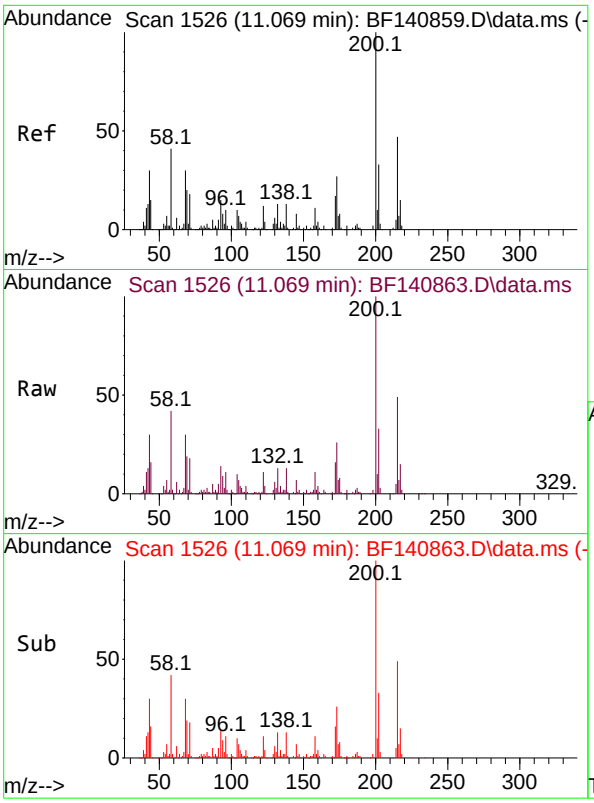




#68
Hexachlorobenzene
Concen: 37.132 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:284 Resp: 179906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.0 | 24.6 | 36.8 |
| 249 | 30.9 | 24.3 | 36.5 |



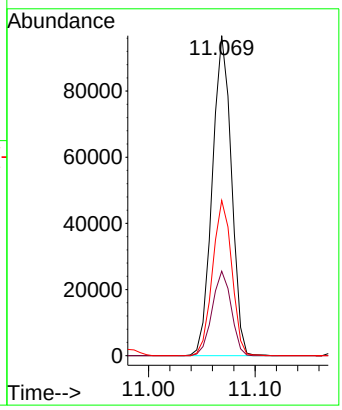


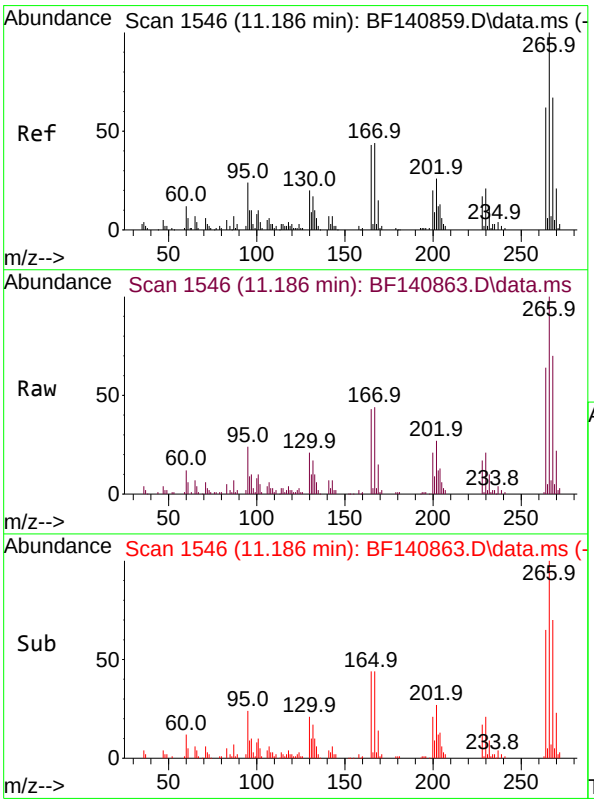

#69
Atrazine
Concen: 36.838 ng
RT: 11.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:200 Resp: 120830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 6.6 | 46.6 |
| 215 | 48.5 | 26.7 | 66.7 |

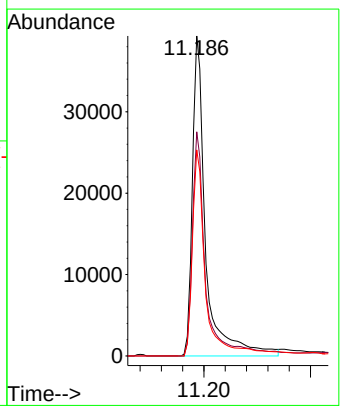


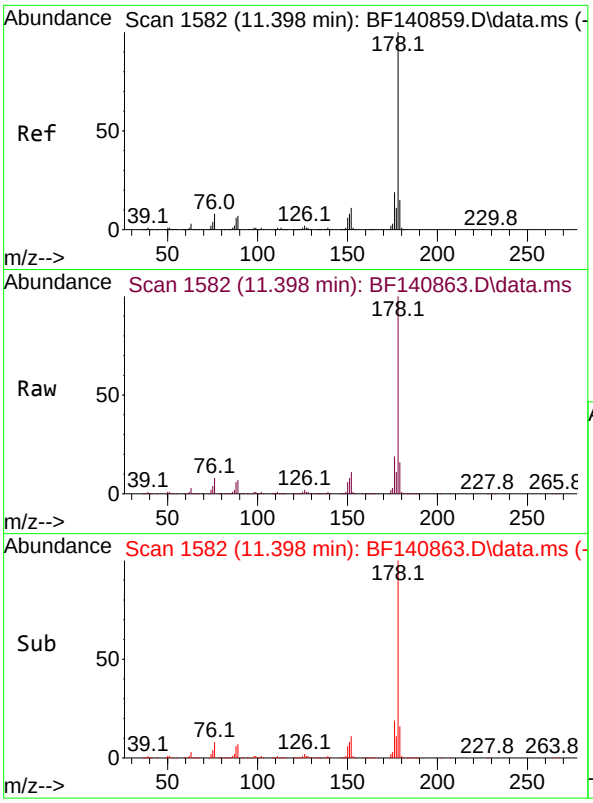




#70
Pentachlorophenol
Concen: 38.679 ng
RT: 11.186 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:266 Resp: 68516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 70.1 | 54.0 | 81.0 |
| 264 | 64.4 | 49.4 | 74.2 |



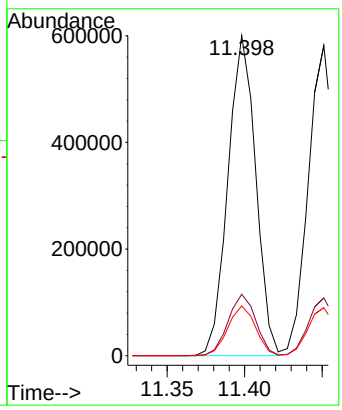


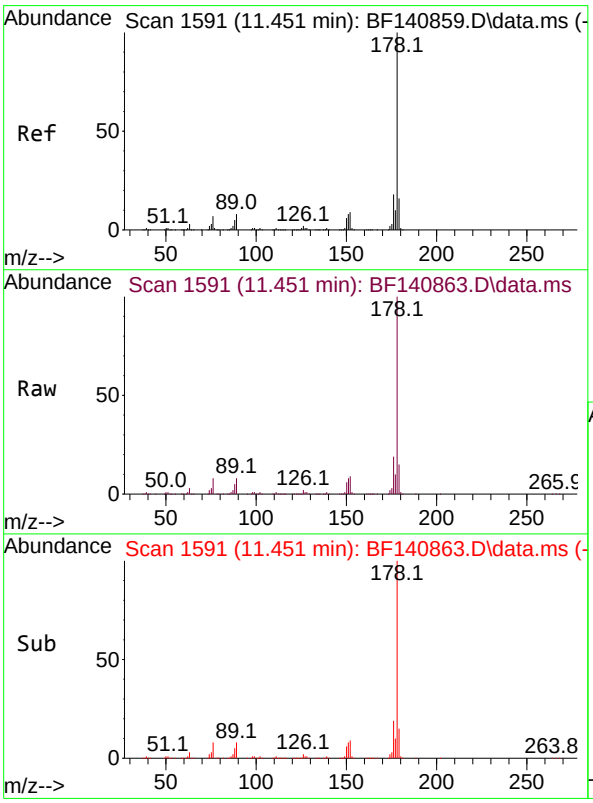

#71
Phenanthrene
Concen: 38.078 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:178 Resp: 747974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.6 | 12.1 | 18.1 |

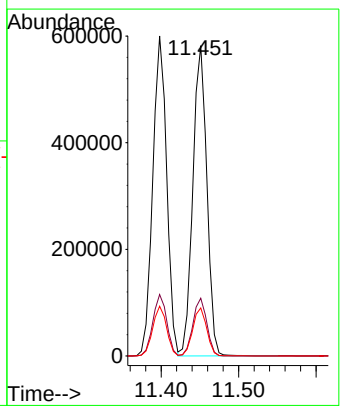


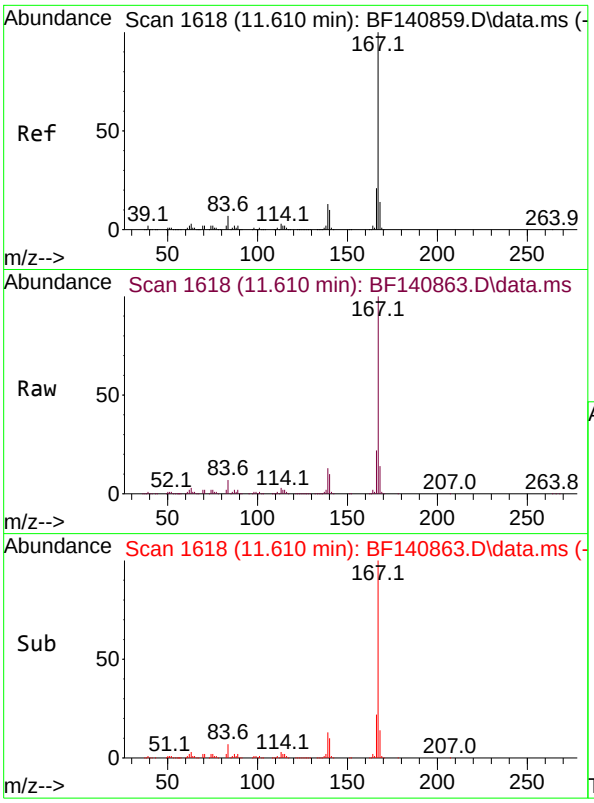




#72
Anthracene
Concen: 37.720 ng
RT: 11.451 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:178 Resp: 729685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.6 | 22.0 |
| 179 | 15.5 | 12.6 | 18.8 |



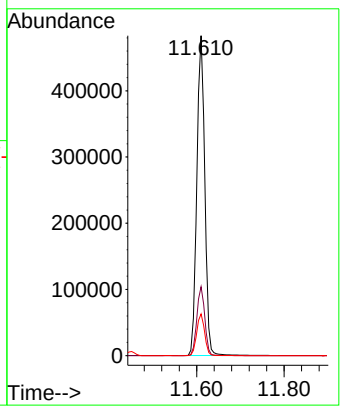


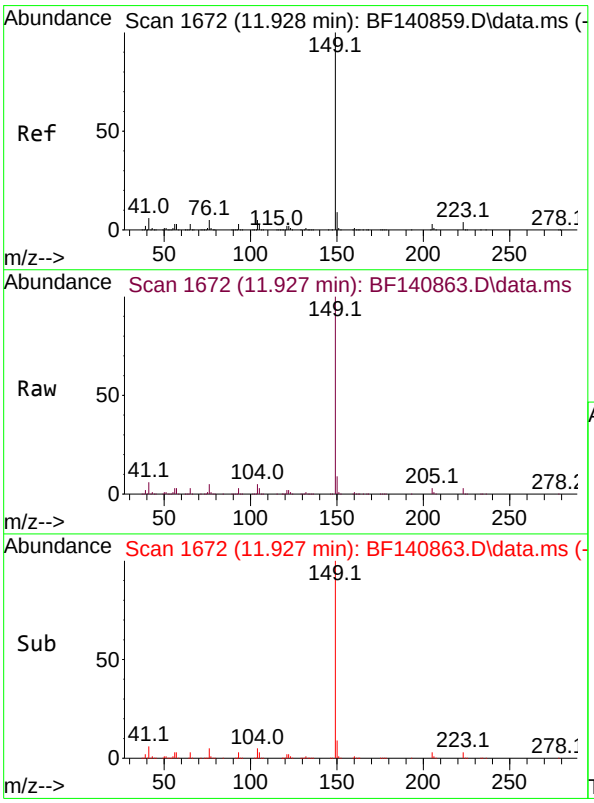

#73
Carbazole
Concen: 32.390 ng
RT: 11.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:167 Resp: 613711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.0 | 25.6 |
| 139 | 13.1 | 10.2 | 15.2 |

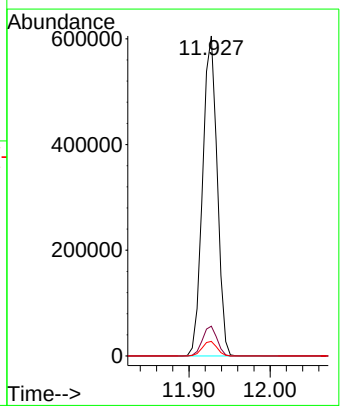


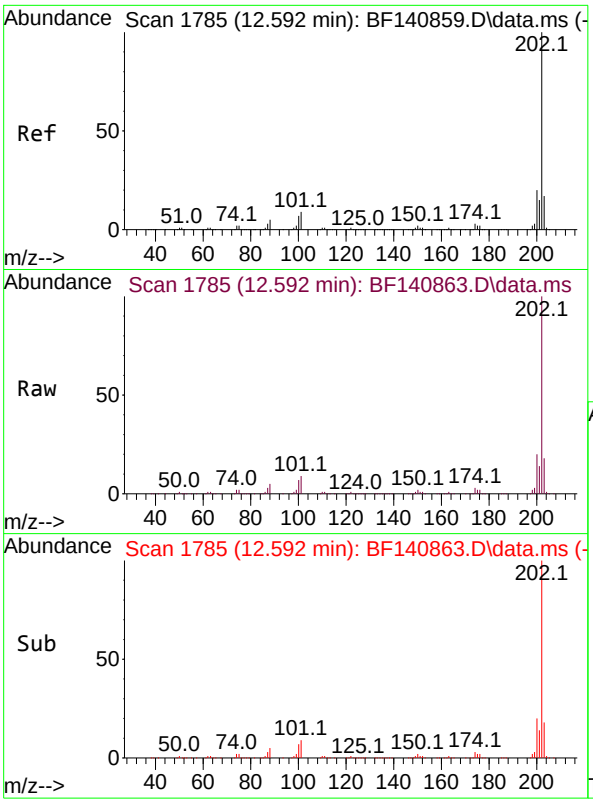




#74
Di-n-butylphthalate
Concen: 33.782 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 751217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.5 | 11.3 |
| 104 | 4.5 | 3.8 | 5.8 |



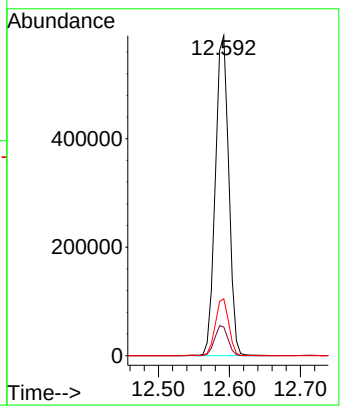


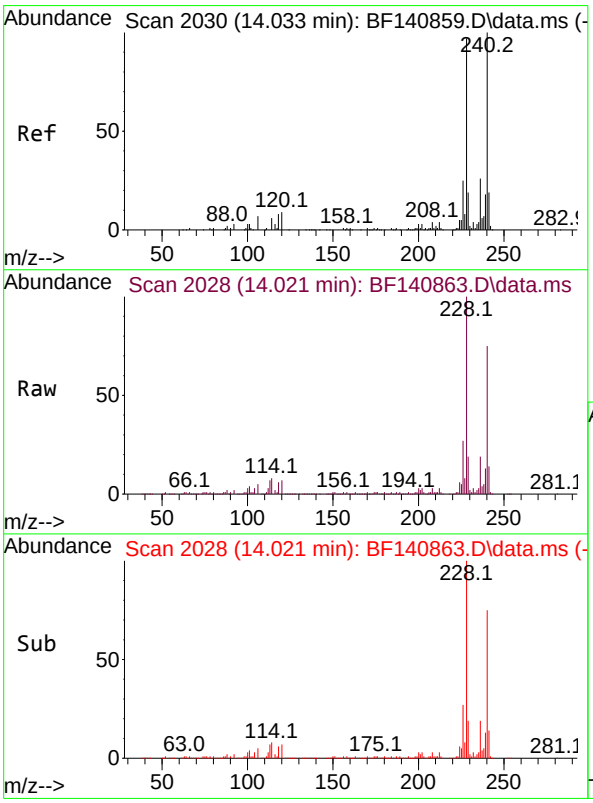

#75
Fluoranthene
Concen: 34.163 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:202 Resp: 772859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 29.3 |
| 203 | 17.7 | 0.0 | 37.4 |

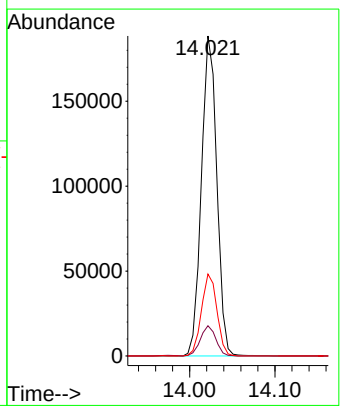


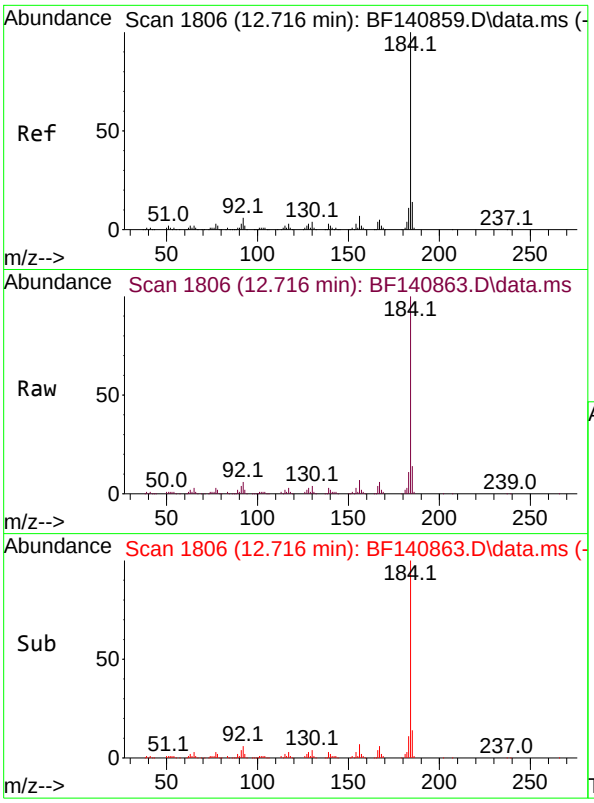




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:240 Resp: 236413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.6 | 20.5 | 30.7 |



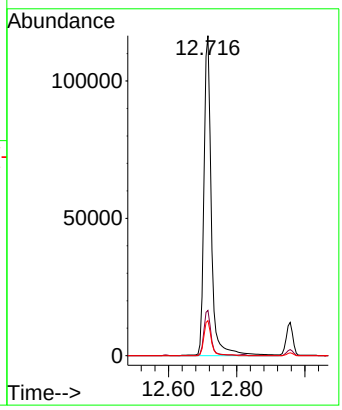


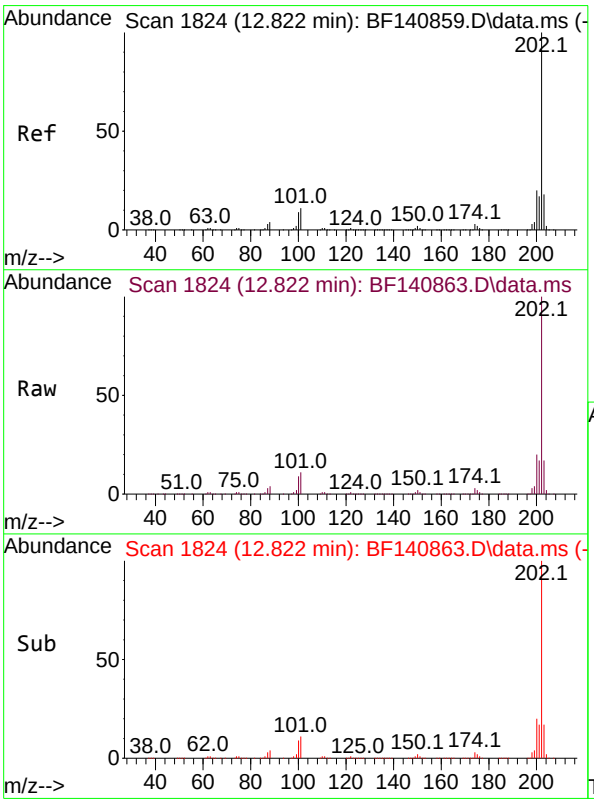

#77
Benzidine
Concen: 36.642 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:184 Resp: 176802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

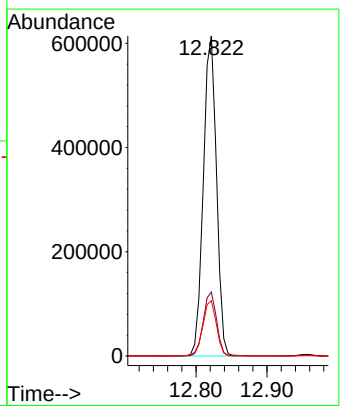


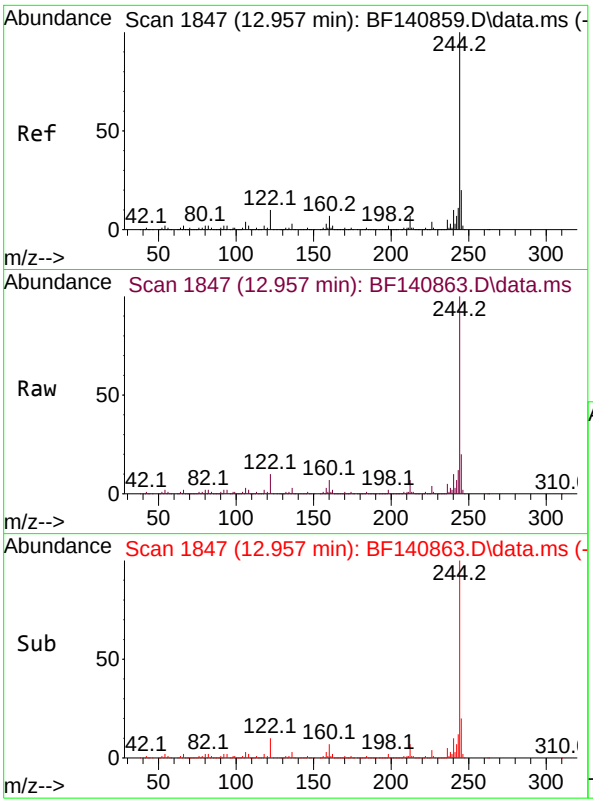




#78
Pyrene
Concen: 37.714 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:202 Resp: 792874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 16.1 | 24.1 |
| 203 | 17.3 | 14.2 | 21.4 |



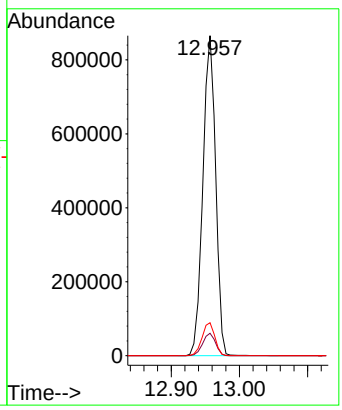


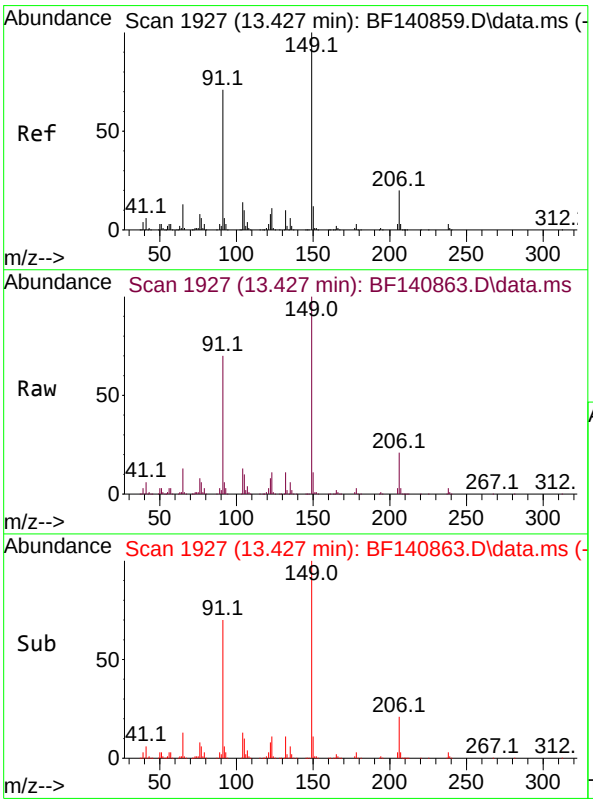

#79
Terphenyl-d14
Concen: 75.108 ng
RT: 12.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:244 Resp: 1126061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 10.3 | 8.2 | 12.2 |

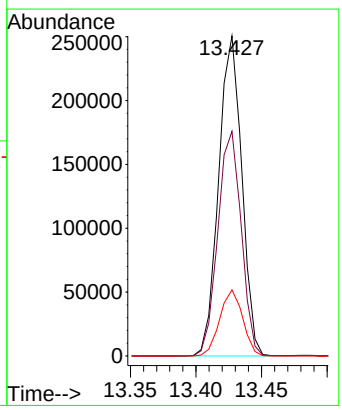


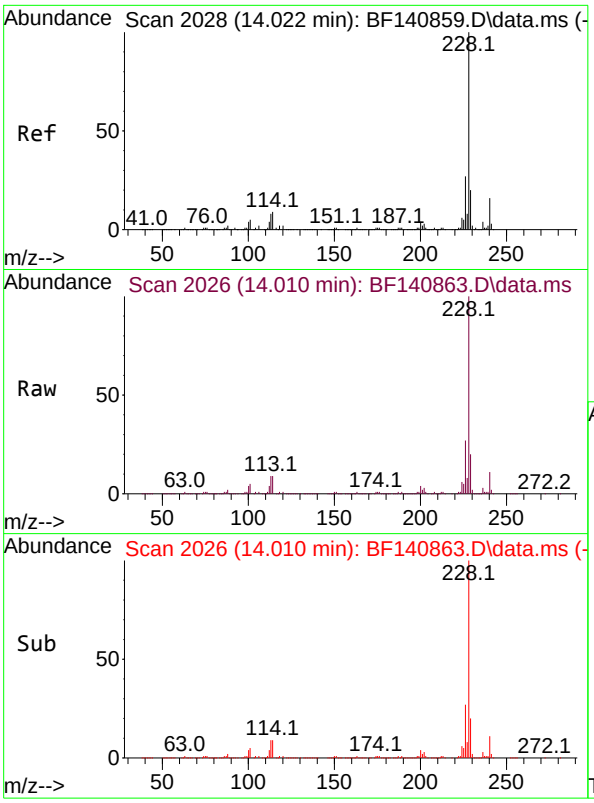




#80
Butylbenzylphthalate
Concen: 39.692 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 307036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.2 | 56.7 | 85.1 |
| 206 | 20.6 | 16.4 | 24.6 |



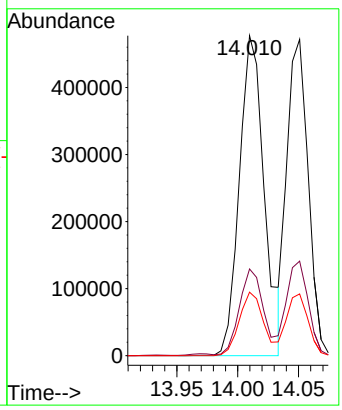


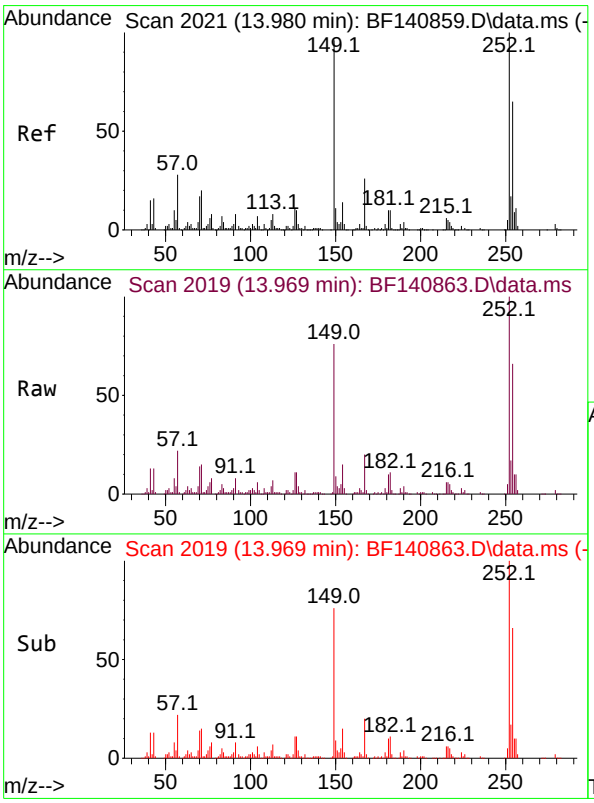

#81
Benzo(a)anthracene
Concen: 40.525 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:228 Resp: 679017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.8 | 15.8 | 23.8 |

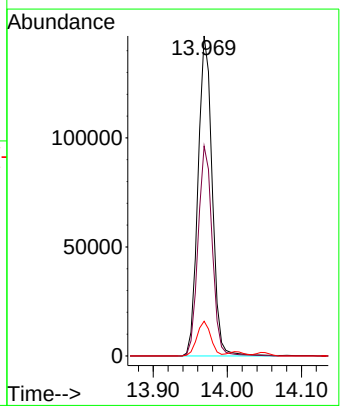


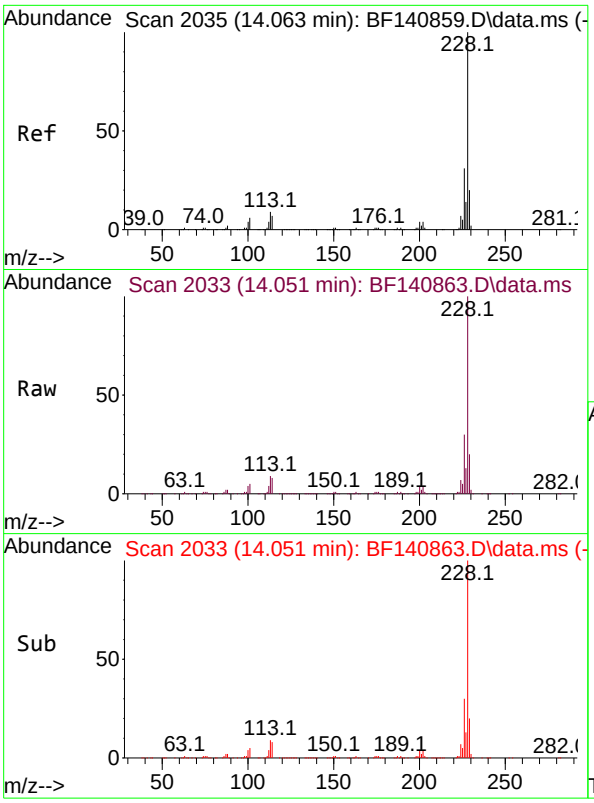




#82
3,3'-Dichlorobenzidine
Concen: 38.459 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:252 Resp: 194418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.6 | 52.3 | 78.5 |
| 126 | 10.8 | 8.4 | 12.6 |



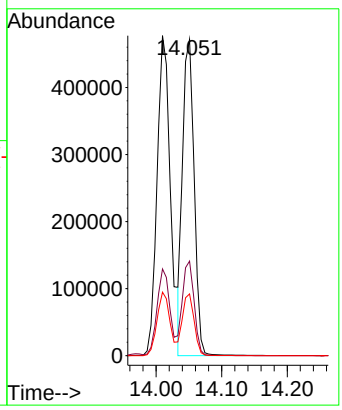


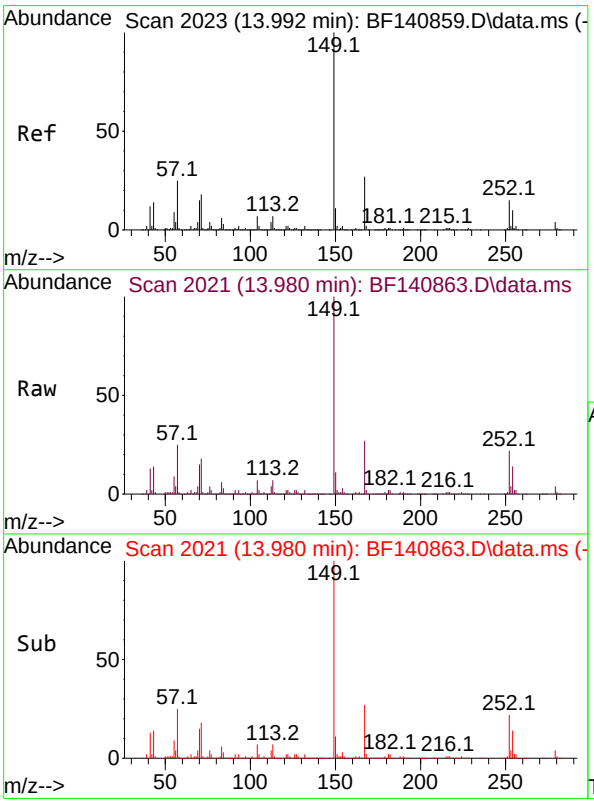

#83
Chrysene
Concen: 37.695 ng
RT: 14.051 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:228 Resp: 574336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.1 | 36.1 |
| 229 | 19.5 | 16.0 | 24.0 |

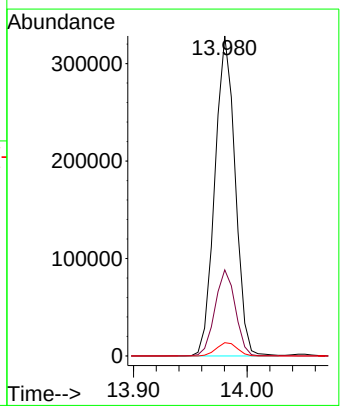


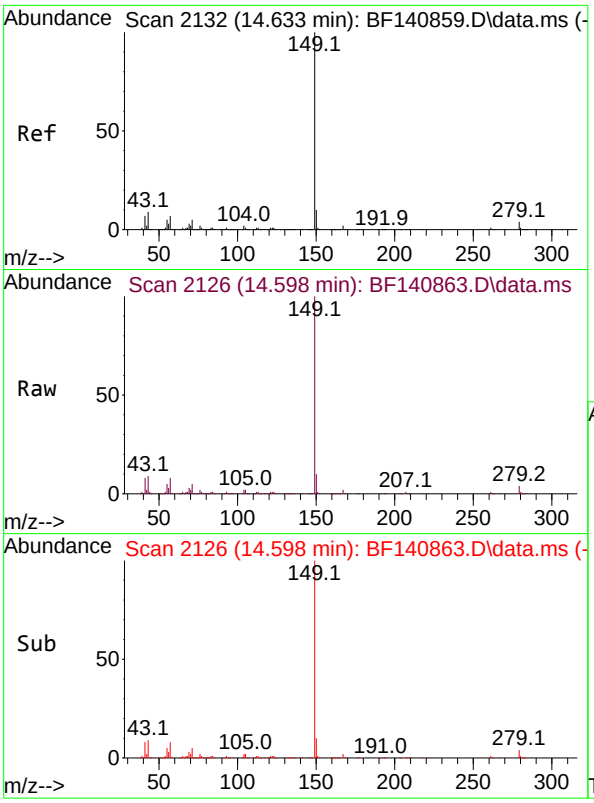




#84
Bis(2-ethylhexyl)phthalate
Concen: 40.982 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 408768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.8 | 32.8 |
| 279 | 4.2 | 3.5 | 5.3 |



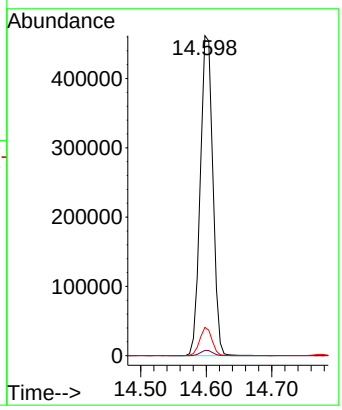


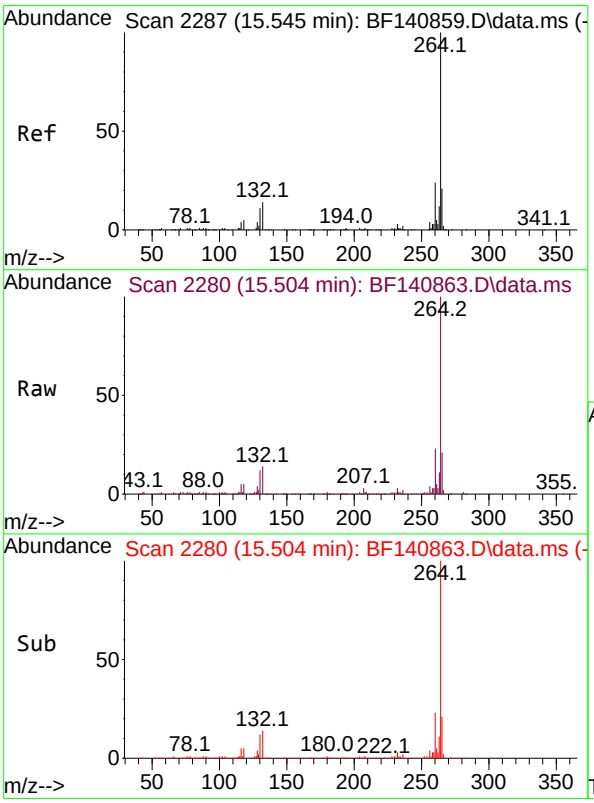

#85
Di-n-octyl phthalate
Concen: 40.907 ng
RT: 14.598 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:149 Resp: 617289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 8.9 | 7.0 | 10.6 |

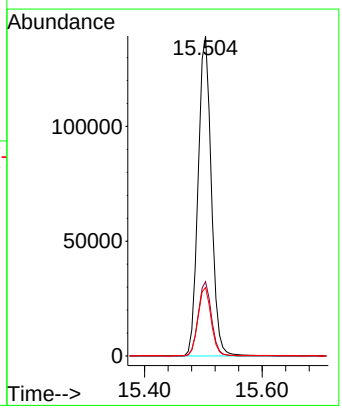


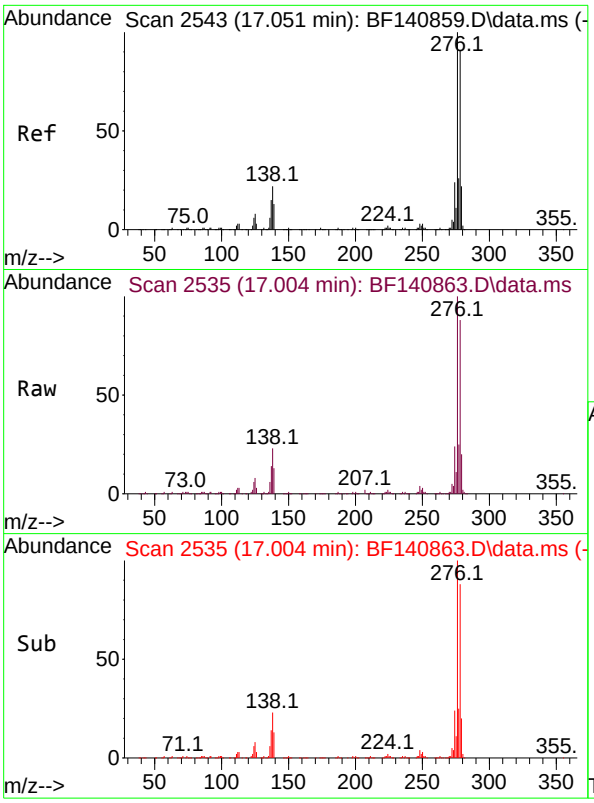




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.041 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:264 Resp: 217277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.1 | 28.7 |
| 265 | 21.4 | 17.0 | 25.4 |



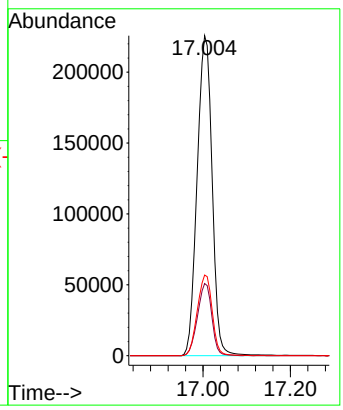


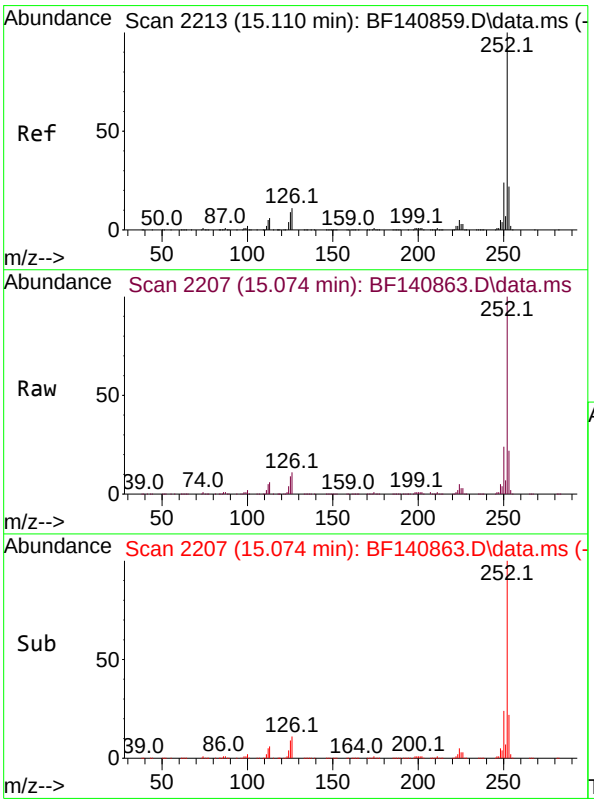

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.762 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:276 Resp: 539135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.4 | 16.9 | 25.3 |
| 277 | 25.0 | 20.2 | 30.4 |

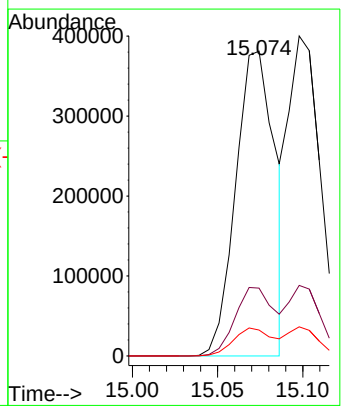


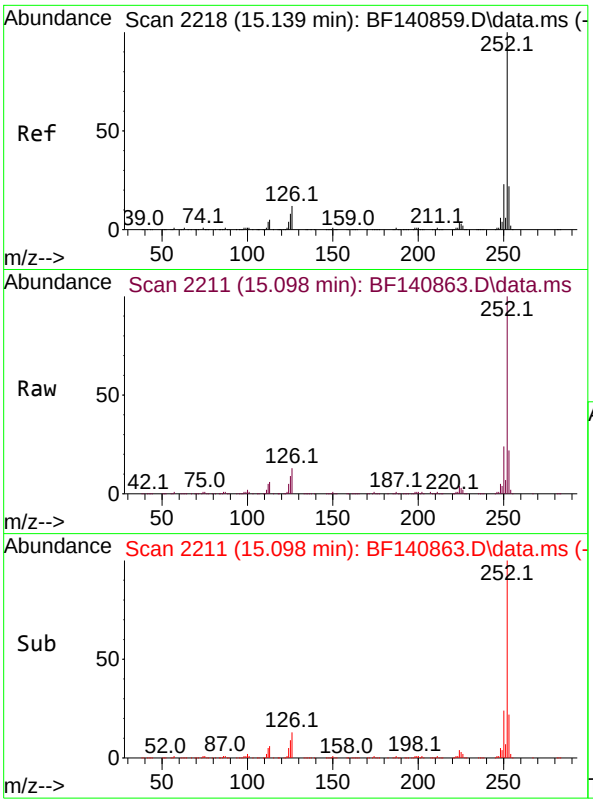




#88
Benzo(b)fluoranthene
Concen: 40.410 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:252 Resp: 609480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 8.5 | 7.0 | 10.4 |



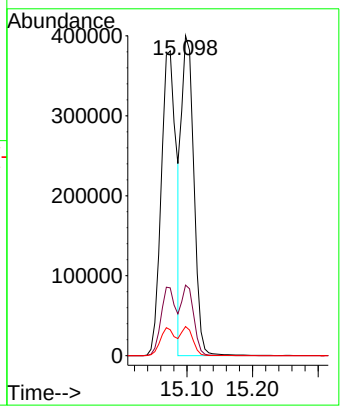


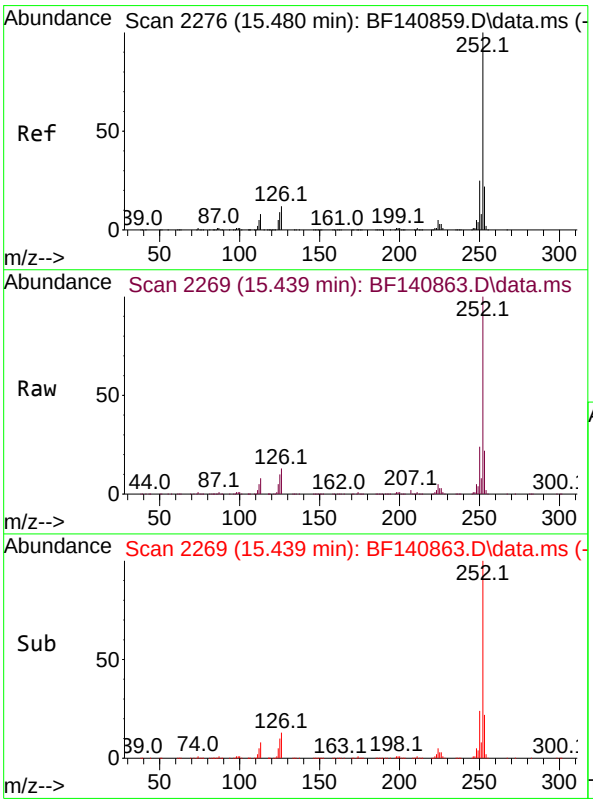

#89
Benzo(k)fluoranthene
Concen: 40.601 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:252 Resp: 525272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 9.1 | 6.8 | 10.2 |

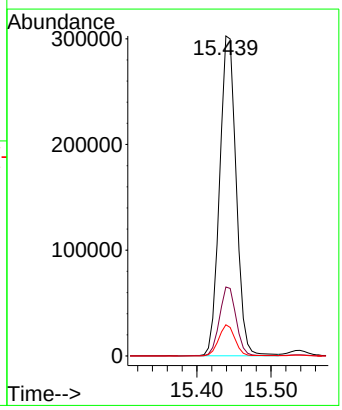


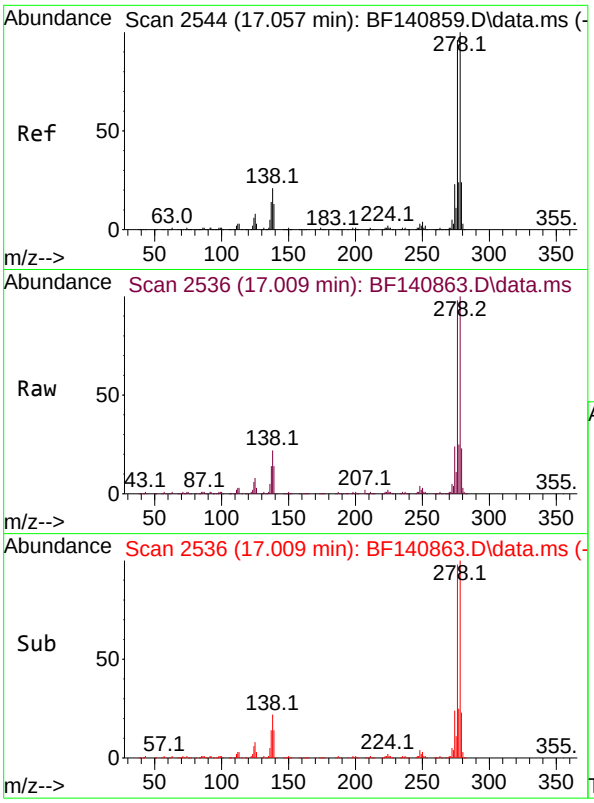




#90
Benzo(a)pyrene
Concen: 39.873 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.041 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:252 Resp: 470896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 9.8 | 7.5 | 11.3 |



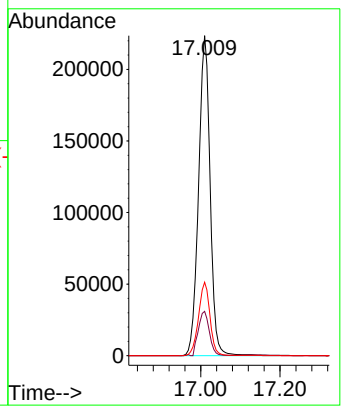


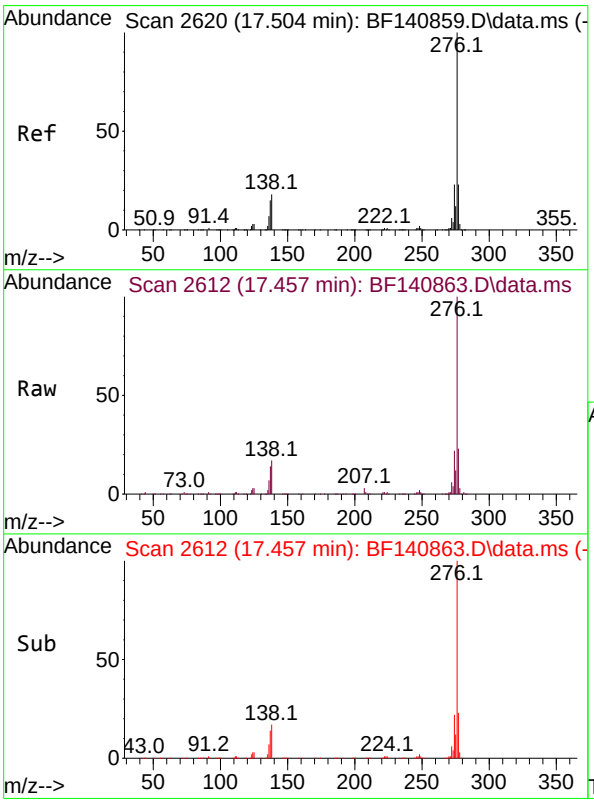

#91
Dibenzo(a,h)anthracene
Concen: 40.237 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Tgt Ion:278 Resp: 451973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 22.9 | 19.2 | 28.8 |

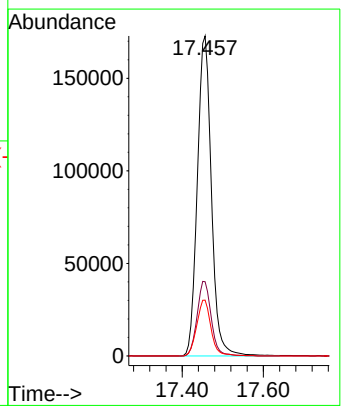



#92
Benzo(g,h,i)perylene
Concen: 36.565 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.047 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:276 Resp: 418030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 18.7 | 28.1 |
| 138 | 17.4 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 113 | 0.00 |
| 2 | | 1,4-Dioxane | 0.523 | 0.423 | 19.1 | 95 | -0.02 |
| 3 | | Pyridine | 1.212 | 1.057 | 12.8 | 98 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.611 | 0.519 | 15.1 | 97 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.215 | 1.157 | 4.8 | 109 | 0.00 |
| 6 | | Aniline | 1.376 | 1.364 | 0.9 | 112 | 0.00 |
| 7 | S | Phenol-d6 | 1.609 | 1.533 | 4.7 | 111 | 0.00 |
| 8 | | 2-Chlorophenol | 1.325 | 1.284 | 3.1 | 112 | 0.00 |
| 9 | | Benzaldehyde | 0.892 | 0.903 | -1.2 | 118 | 0.00 |
| 10 | C | Phenol | 1.668 | 1.613 | 3.3 | 112 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.244 | 1.228 | 1.3 | 113 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.510 | 1.476 | 2.3 | 114 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.532 | 1.523 | 0.6 | 115 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.446 | 1.429 | 1.2 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 1.151 | 1.144 | 0.6 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.465 | 1.501 | -2.5 | 118 | 0.00 |
| 17 | | 2-Methylphenol | 1.058 | 1.063 | -0.5 | 116 | 0.00 |
| 18 | | Hexachloroethane | 0.570 | 0.564 | 1.1 | 115 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.965 | 0.962 | 0.3 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.403 | 1.402 | 0.1 | 117 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.457 | 8.6 | 114 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.400 | 0.377 | 5.8 | 118 | 0.00 |
| 24 | | Nitrobenzene | 0.410 | 0.387 | 5.6 | 119 | 0.00 |
| 25 | | Isophorone | 0.670 | 0.640 | 4.5 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.191 | -1.1 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.220 | 0.223 | -1.4 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.422 | -1.0 | 125 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.302 | 0.7 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.349 | 0.334 | 4.3 | 120 | 0.00 |
| 31 | | Naphthalene | 1.099 | 1.057 | 3.8 | 122 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.221 | -5.7 | 129 | 0.00 |
| 33 | | 4-Chloroaniline | 0.365 | 0.343 | 6.0 | 117 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.235 | 0.214 | 8.9 | 113 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.082 | 9.9 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.342 | 0.304 | 11.1 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.727 | 0.678 | 6.7 | 116 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.719 | 0.664 | 7.6 | 116 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.594 | 3.4 | 115 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.153 | 0.132 | 13.7 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.237 | 0.200 | 15.6 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.371 | 1.3 | 115 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.414 | 0.413 | 0.2 | 117 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.455 | 1.372 | 5.7 | 113 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.590 | 1.527 | 4.0 | 114 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.217 | 1.111 | 8.7 | 107 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 0.367 | 0.349 | 4.9 | 110 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.683 | 5.9 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.410 | 1.294 | 8.2 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.303 | 5.9 | 109 | 0.00 |
| 52 | C | Acenaphthene | 1.142 | 1.093 | 4.3 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.318 | 0.6 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.132 | 0.125 | 5.3 | 105 | 0.00 |
| 55 | | Dibenzofuran | 1.770 | 1.642 | 7.2 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.150 | 0.157 | -4.7 | 107 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.424 | 0.404 | 4.7 | 109 | 0.00 |
| 58 | | Fluorene | 1.460 | 1.364 | 6.6 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.337 | 0.357 | -5.9 | 114 | 0.00 |
| 60 | | Diethylphthalate | 1.462 | 1.386 | 5.2 | 109 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.733 | 0.686 | 6.4 | 108 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.325 | 2.7 | 108 | 0.00 |
| 63 | | Azobenzene | 1.375 | 1.328 | 3.4 | 109 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.118 | -4.4 | 107 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.615 | 0.610 | 0.8 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.203 | 9.4 | 98 | 0.00 |
| 68 | | Hexachlorobenzene | 0.254 | 0.235 | 7.5 | 101 | 0.00 |
| 69 | | Atrazine | 0.172 | 0.158 | 8.1 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 0.093 | 0.090 | 3.2 | 97 | 0.00 |
| 71 | | Phenanthrene | 1.028 | 0.979 | 4.8 | 105 | 0.00 |
| 72 | | Anthracene | 1.013 | 0.955 | 5.7 | 104 | 0.00 |
| 73 | | Carbazole | 0.992 | 0.803 | 19.1 | 89 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.164 | 0.983 | 15.5 | 92 | 0.00 |
| 75 | C | Fluoranthene | 1.184 | 1.012 | 14.5 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | -0.01 |
| 77 | | Benzidine | 0.408 | 0.374 | 8.3 | 91 | 0.00 |
| 78 | | Pyrene | 1.779 | 1.677 | 5.7 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.268 | 1.191 | 6.1 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.654 | 0.649 | 0.8 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.417 | 1.436 | -1.3 | 104 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.428 | 0.411 | 4.0 | 98 | -0.01 |
| 83 | | Chrysene | 1.289 | 1.215 | 5.7 | 94 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.844 | 0.865 | -2.5 | 103 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.277 | 1.306 | -2.3 | 105 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | -0.04 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.248 | 1.241 | 0.6 | 105 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 1.388 | 1.403 | -1.1 | 116 | -0.04 |
| 89 | | Benzo(k)fluoranthene | 1.191 | 1.209 | -1.5 | 106 | -0.04 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.084 | 0.3 | 108 | -0.04 |
| 91 | | Dibenzo(a,h)anthracene | 1.034 | 1.040 | -0.6 | 105 | -0.05 |
| 92 | | Benzo(g,h,i)perylene | 1.052 | 0.962 | 8.6 | 96 | -0.05 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 113 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 32.360 | 19.1 | 95 | -0.02 |
| 3 | | Pyridine | 40.000 | 34.882 | 12.8 | 98 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 33.984 | 15.0 | 97 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.184 | 4.8 | 109 | 0.00 |
| 6 | | Aniline | 40.000 | 39.644 | 0.9 | 112 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.229 | 4.7 | 111 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.761 | 3.1 | 112 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.491 | -1.2 | 118 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.683 | 3.3 | 112 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.504 | 1.2 | 113 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.111 | 2.2 | 114 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.745 | 0.6 | 115 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.527 | 1.2 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.782 | 0.5 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.970 | -2.4 | 118 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.189 | -0.5 | 116 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.568 | 1.1 | 115 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.861 | 0.3 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.995 | 0.0 | 117 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 40.000 | 36.536 | 8.7 | 114 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.408 | 5.7 | 118 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.836 | 5.4 | 119 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.231 | 4.4 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.407 | -1.0 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.466 | -1.2 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.334 | -0.8 | 125 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.658 | 0.9 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.332 | 4.2 | 120 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.473 | 3.8 | 122 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.351 | -5.9 | 129 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.650 | 5.9 | 117 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.462 | 8.8 | 113 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.113 | 9.7 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.477 | 11.3 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.337 | 6.7 | 116 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.969 | 7.6 | 116 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.668 | 3.3 | 115 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.672 | 5.8 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 67.791 | 15.3 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.419 | 1.5 | 115 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.895 | 0.3 | 117 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.432 | 5.7 | 113 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.412 | 4.0 | 114 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.522 | 8.7 | 107 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 37.990 | 5.0 | 110 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.651 | 5.9 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 36.704 | 8.2 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.595 | 6.0 | 109 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.275 | 4.3 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.722 | 0.7 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 35.766 | 10.6 | 105 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.113 | 7.2 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.834 | 2.9 | 107 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.076 | 4.8 | 109 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.370 | 6.6 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.405 | -6.0 | 114 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.926 | 5.2 | 109 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.398 | 6.5 | 108 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.912 | 2.7 | 108 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.657 | 3.4 | 109 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.637 | -4.1 | 107 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.710 | 0.7 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 36.329 | 9.2 | 98 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 37.132 | 7.2 | 101 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.838 | 7.9 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 38.679 | 3.3 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.078 | 4.8 | 105 | 0.00 |
| 72 | | Anthracene | 40.000 | 37.720 | 5.7 | 104 | 0.00 |
| 73 | | Carbazole | 40.000 | 32.390 | 19.0 | 89 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 33.782 | 15.5 | 92 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 34.163 | 14.6 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | -0.01 |
| 77 | | Benzidine | 40.000 | 36.642 | 8.4 | 91 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.714 | 5.7 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.108 | 6.1 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.692 | 0.8 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.525 | -1.3 | 104 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.459 | 3.9 | 98 | -0.01 |
| 83 | | Chrysene | 40.000 | 37.695 | 5.8 | 94 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.982 | -2.5 | 103 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.907 | -2.3 | 105 | -0.04 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 107 | -0.04 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.762 | 0.6 | 105 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.410 | -1.0 | 116 | -0.04 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.601 | -1.5 | 106 | -0.04 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.873 | 0.3 | 108 | -0.04 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.237 | -0.6 | 105 | -0.05 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 36.565 | 8.6 | 96 | -0.05 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.215 | 1.104 | | -9.1 | |
| Phenol-d6 | 1.609 | 1.494 | | -7.1 | |
| Phenol | 1.668 | 1.561 | | -6.4 | 20.0 |
| 2-Methylphenol | 1.058 | 1.007 | | -4.8 | |
| 3+4-Methylphenols | 1.403 | 1.351 | | -3.7 | |
| Nitrobenzene-d5 | 0.400 | 0.385 | | -3.8 | |
| Naphthalene | 1.099 | 1.079 | | -1.8 | |
| 2-Fluorobiphenyl | 1.455 | 1.340 | | -7.9 | |
| Acenaphthylene | 1.788 | 1.741 | | -2.6 | |
| Acenaphthene | 1.142 | 1.107 | | -3.1 | 20.0 |
| Fluorene | 1.460 | 1.356 | | -7.1 | |
| 2,4,6-Tribromophenol | 0.237 | 0.214 | | -9.7 | |
| Pentachlorophenol | 0.093 | 0.077 | | -17.2 | 20.0 |
| Anthracene | 1.013 | 0.983 | | -3.0 | |
| Fluoranthene | 1.184 | 1.083 | | -8.5 | 20.0 |
| Pyrene | 1.779 | 1.904 | | 7.0 | |
| Terphenyl-d14 | 1.268 | 1.393 | | 9.9 | |
| Benzo(a)anthracene | 1.417 | 1.356 | | -4.3 | |
| Chrysene | 1.289 | 1.279 | | -0.8 | |
| Benzo(b)fluoranthene | 1.388 | 1.319 | | -5.0 | |
| Benzo(k)fluoranthene | 1.191 | 1.123 | | -5.7 | |
| Benzo(a)pyrene | 1.087 | 1.066 | | -1.9 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.248 | 1.605 | | 28.6 | |
| Dibenzo(a,h)anthracene | 1.034 | 1.335 | | 29.1 | |
| Benzo(g,h,i)perylene | 1.052 | 1.276 | | 21.3 | |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 74814 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.134 | 136 | 271589 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 162319 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 282660 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 164316 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 129329 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 330518 | 72.726 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 446954 | 74.251 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 418009 | 77.004 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 139243 | 72.531 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 869766 | 73.670 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 915592 | 87.865 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 75034 | 38.331 | ng | | 95 |
| 3) Pyridine | 3.399 | 79 | 176528 | 38.939 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 81320 | 35.583 | ng | | 89 |
| 6) Aniline | 6.522 | 93 | 192218 | 37.347 | ng | | 98 |
| 8) 2-Chlorophenol | 6.645 | 128 | 193264 | 38.996 | ng | | 98 |
| 9) Benzaldehyde | 6.410 | 77 | 119045 | 35.692 | ng | | 97 |
| 10) Phenol | 6.522 | 94 | 233567 | 37.438 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 173020 | 37.188 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 220709 | 39.082 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 219984 | 38.376 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 208631 | 38.575 | ng | | 98 |
| 15) Benzyl Alcohol | 7.004 | 79 | 161378 | 37.495 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 197110 | 35.963 | ng | | 85 |
| 17) 2-Methylphenol | 7.122 | 107 | 150732 | 38.095 | ng | | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 77896 | 36.502 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 128495 | 35.587 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 202109 | 38.521 | ng | # | 85 |
| 22) Acetophenone | 7.263 | 105 | 263844 | 38.835 | ng | | 95 |
| 24) Nitrobenzene | 7.439 | 77 | 207460 | 37.305 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 346209 | 38.063 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 107352 | 41.913 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 120407 | 40.254 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 220781 | 38.864 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 162546 | 39.361 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 187702 | 39.649 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 585851 | 39.270 | ng | | 100 |
| 32) Benzoic acid | 7.951 | 122 | 98174 | 34.606 | ng | | 96 |
| 33) 4-Chloroaniline | 8.210 | 127 | 194369 | 39.228 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 121955 | 38.289 | ng | | 100 |
| 35) Caprolactam | 8.598 | 113 | 45564 | 37.061 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 173656 | 37.361 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 377796 | 38.282 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 368550 | 37.761 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 186337 | 37.349 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 38088 | 34.773 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 110669 | 36.226 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.186 | 196 | 119664 | 35.638 | ng | 98 |
| 46) | 1,1'-Biphenyl | 9.310 | 154 | 483766 | 37.480 | ng | 99 |
| 47) | 2-Chloronaphthalene | 9.334 | 162 | 374124 | 37.889 | ng | 100 |
| 48) | 2-Nitroaniline | 9.439 | 65 | 105588 | 35.406 | ng | 92 |
| 49) | Acenaphthylene | 9.751 | 152 | 565101 | 38.943 | ng | 100 |
| 50) | Dimethylphthalate | 9.604 | 163 | 425243 | 37.159 | ng | 99 |
| 51) | 2,6-Dinitrotoluene | 9.681 | 165 | 103210 | 39.451 | ng | 92 |
| 52) | Acenaphthene | 9.922 | 154 | 359395 | 38.772 | ng | 100 |
| 53) | 3-Nitroaniline | 9.857 | 138 | 102644 | 39.535 | ng | 93 |
| 54) | 2,4-Dinitrophenol | 9.981 | 184 | 41330 | 36.272 | ng | 92 |
| 55) | Dibenzofuran | 10.092 | 168 | 545976 | 38.012 | ng | 99 |
| 56) | 4-Nitrophenol | 10.051 | 139 | 46328 | 35.773 | ng | 93 |
| 57) | 2,4-Dinitrotoluene | 10.092 | 165 | 132579 | 38.516 | ng | 94 |
| 58) | Fluorene | 10.439 | 166 | 440079 | 37.139 | ng | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 101821 | 37.214 | ng | 91 |
| 60) | Diethylphthalate | 10.304 | 149 | 426443 | 35.936 | ng | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.422 | 204 | 221428 | 37.200 | ng | 98 |
| 62) | 4-Nitroaniline | 10.475 | 138 | 100590m | 37.076 | ng | |
| 63) | Azobenzene | 10.586 | 77 | 384375 | 34.454 | ng | 95 |
| 65) | 4,6-Dinitro-2-methylph... | 10.510 | 198 | 64499 | 40.269 | ng | 95 |
| 66) | n-Nitrosodiphenylamine | 10.545 | 169 | 371501 | 42.748 | ng | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.916 | 248 | 129825 | 41.055 | ng | 96 |
| 68) | Hexachlorobenzene | 10.992 | 284 | 149493 | 41.697 | ng | 96 |
| 69) | Atrazine | 11.075 | 200 | 81196 | 33.453 | ng | 97 |
| 70) | Pentachlorophenol | 11.198 | 266 | 43633 | 33.287 | ng | 97 |
| 71) | Phenanthrene | 11.404 | 178 | 554743 | 38.164 | ng | 99 |
| 72) | Anthracene | 11.457 | 178 | 555785 | 38.826 | ng | 99 |
| 73) | Carbazole | 11.616 | 167 | 539092 | 38.449 | ng | 100 |
| 74) | Di-n-butylphthalate | 11.927 | 149 | 665945 | 40.470 | ng | 99 |
| 75) | Fluoranthene | 12.598 | 202 | 612458 | 36.586 | ng | 99 |
| 77) | Benzidine | 12.722 | 184 | 115361 | 34.399 | ng | 99 |
| 78) | Pyrene | 12.827 | 202 | 625636 | 42.817 | ng | 99 |
| 80) | Butylbenzylphthalate | 13.433 | 149 | 207238 | 38.545 | ng | 96 |
| 81) | Benzo(a)anthracene | 14.021 | 228 | 445495 | 38.254 | ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.980 | 252 | 128185 | 36.483 | ng | 97 |
| 83) | Chrysene | 14.063 | 228 | 420365 | 39.695 | ng | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 259339 | 37.409 | ng | 100 |
| 85) | Di-n-octyl phthalate | 14.616 | 149 | 336272 | 32.062 | ng | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 415125 | 51.437 | ng | 99 |
| 88) | Benzo(b)fluoranthene | 15.098 | 252 | 341178 | 38.004 | ng | 99 |
| 89) | Benzo(k)fluoranthene | 15.121 | 252 | 290595 | 37.736 | ng | 99 |
| 90) | Benzo(a)pyrene | 15.468 | 252 | 275845 | 39.241 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.051 | 278 | 345181 | 51.627 | ng | 98 |
| 92) | Benzo(g,h,i)perylene | 17.509 | 276 | 330062 | 48.503 | ng | 99 |

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

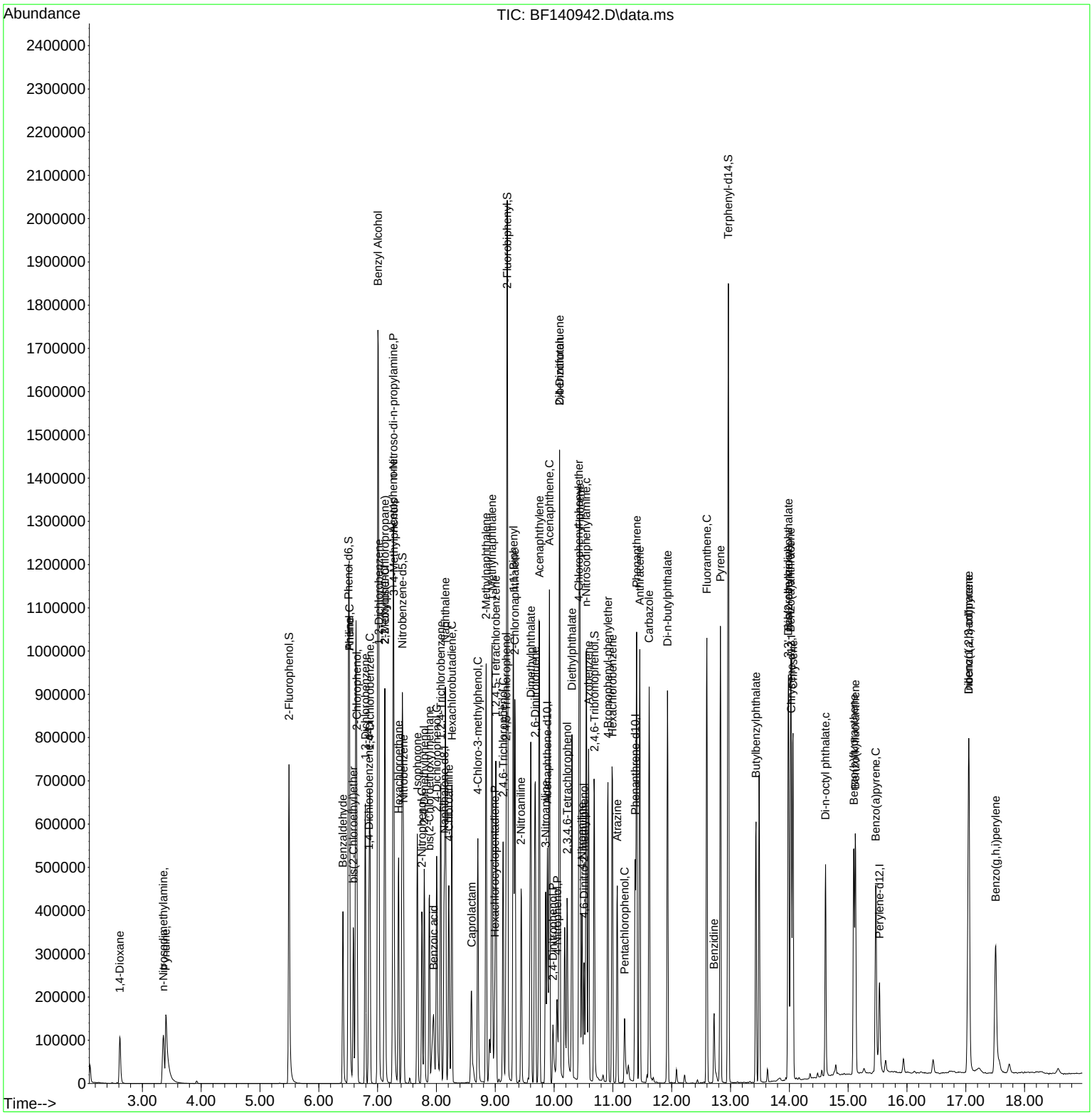
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

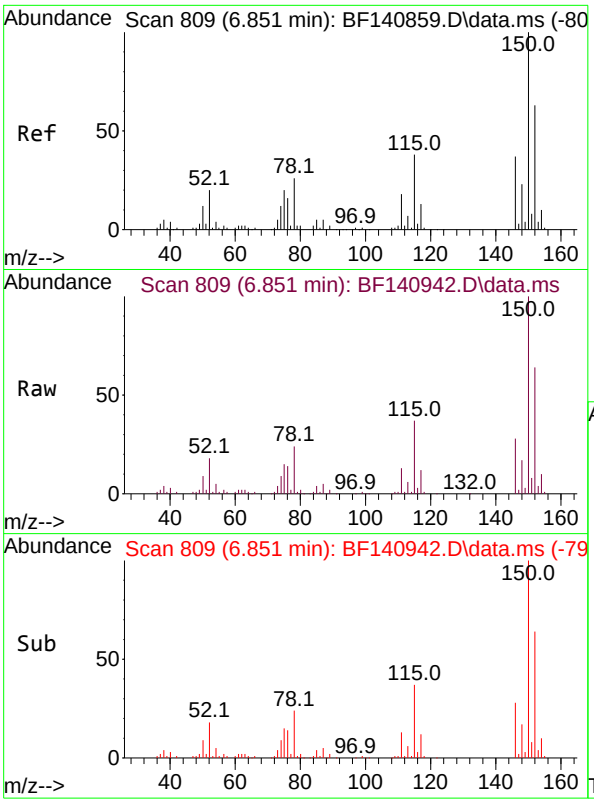
Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

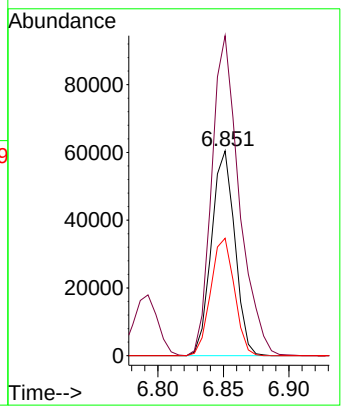





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:152 Resp: 7481

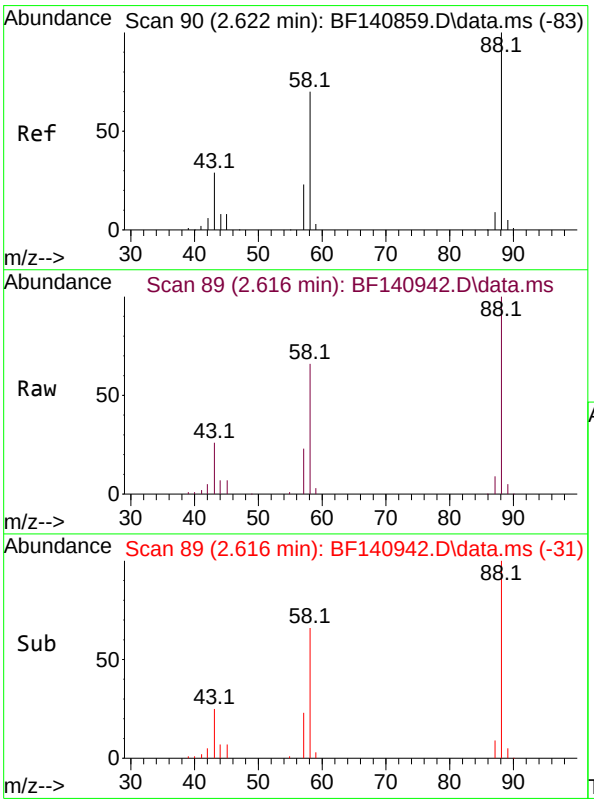
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 127.9 | 191.9 |
| 115 | 57.3 | 48.0 | 72.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

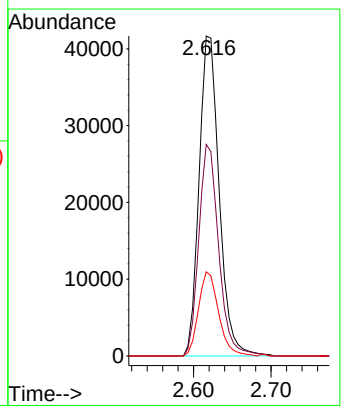
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

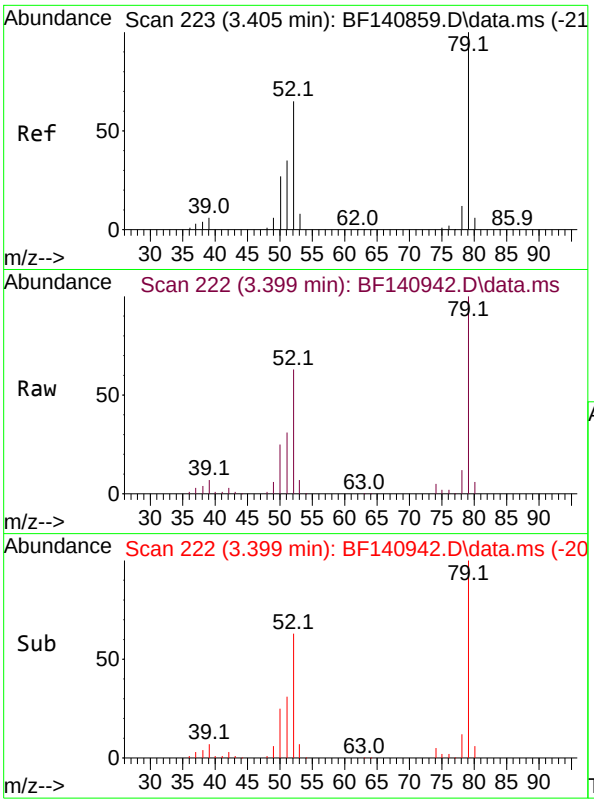



#2
1,4-Dioxane
Concen: 38.331 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 88 Resp: 75034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 65.4 | 55.8 | 83.8 |
| 43 | 26.3 | 22.7 | 34.1 |

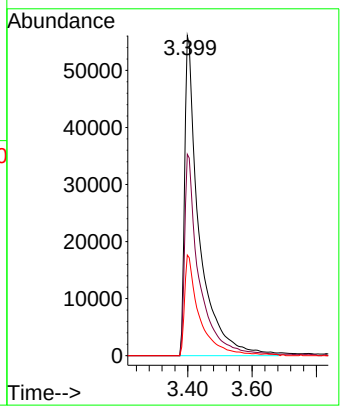





#3
Pyridine
Concen: 38.939 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 79 Resp: 17652

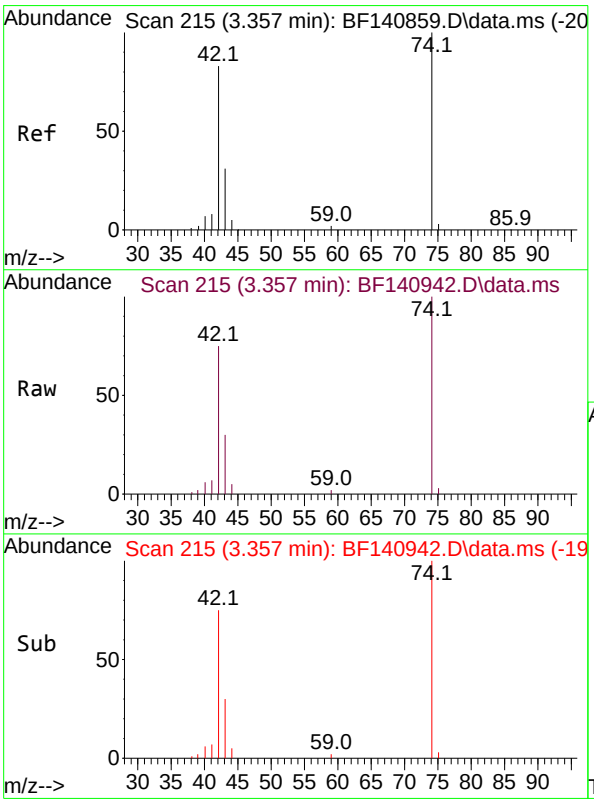
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.9 | 51.7 | 77.5 |
| 51 | 31.4 | 28.2 | 42.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

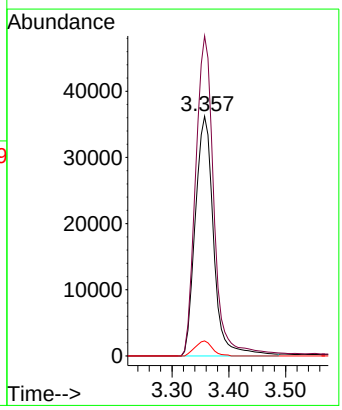
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

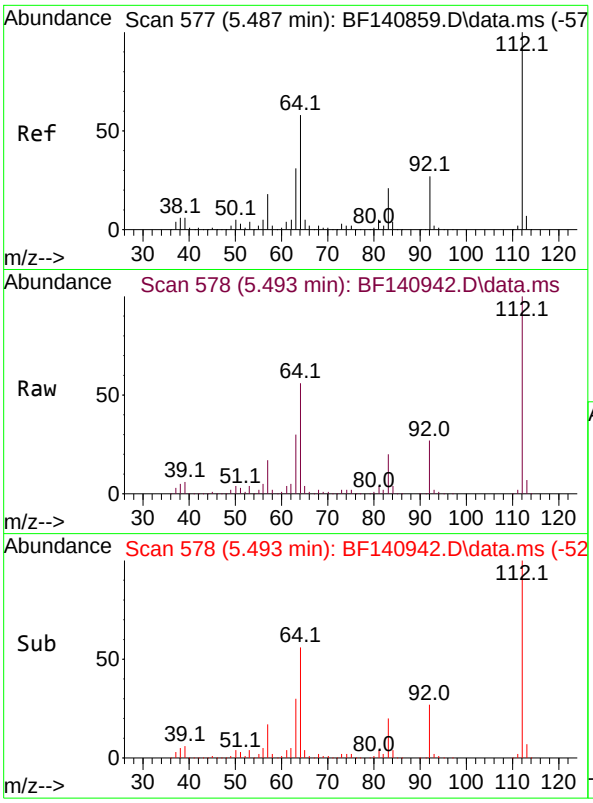



#4
n-Nitrosodimethylamine
Concen: 35.583 ng
RT: 3.357 min Scan# 215
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 42 Resp: 81320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 133.5 | 96.9 | 145.3 |
| 44 | 6.3 | 4.4 | 6.6 |

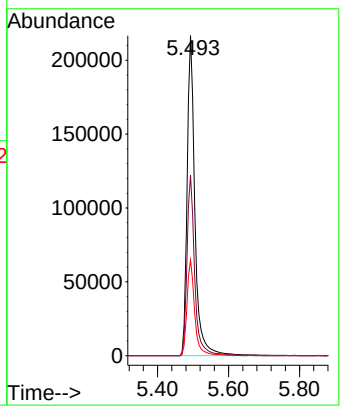





#5
2-Fluorophenol
Concen: 72.726 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:112 Resp: 33051

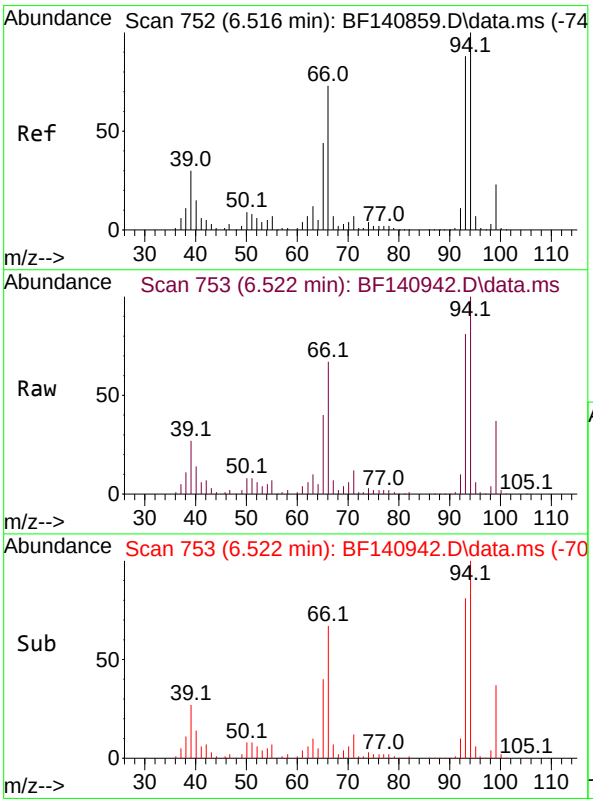
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 46.1 | 69.1 |
| 63 | 29.9 | 24.9 | 37.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

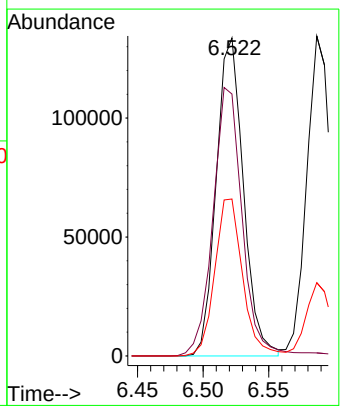
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

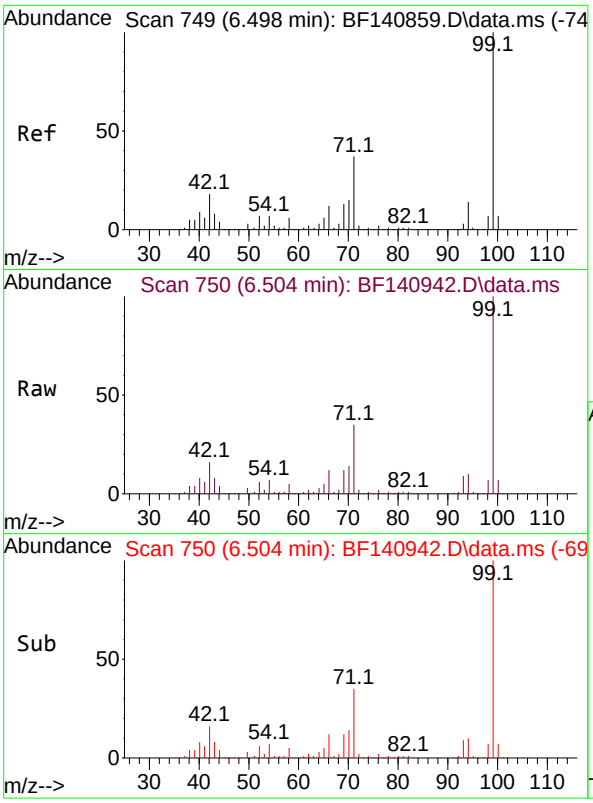



#6
Aniline
Concen: 37.347 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 93 Resp: 192218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 82.4 | 67.0 | 100.4 |
| 65 | 49.4 | 40.4 | 60.6 |

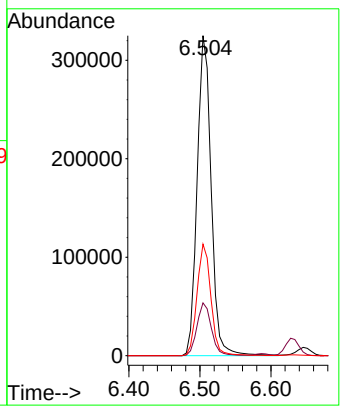





#7
Phenol-d6
Concen: 74.251 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 99 Resp: 44695

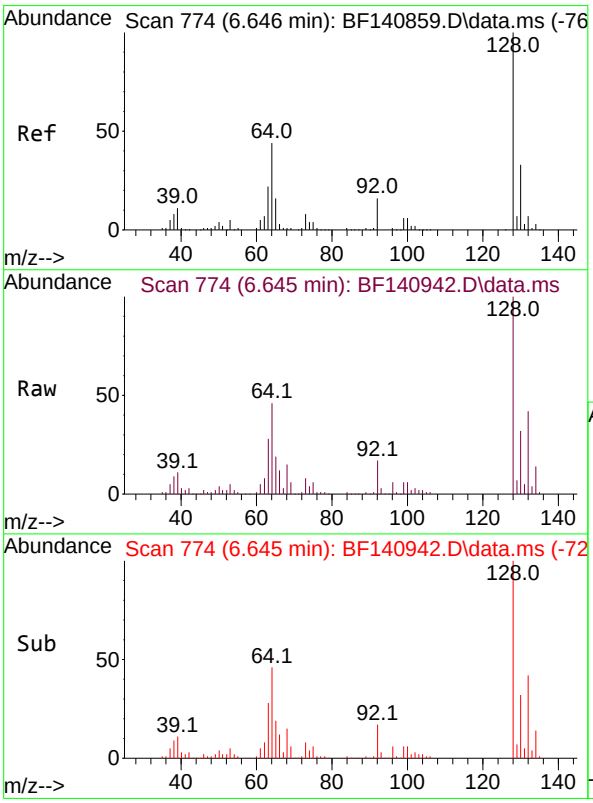
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.5 | 14.3 | 21.5 |
| 71 | 34.8 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

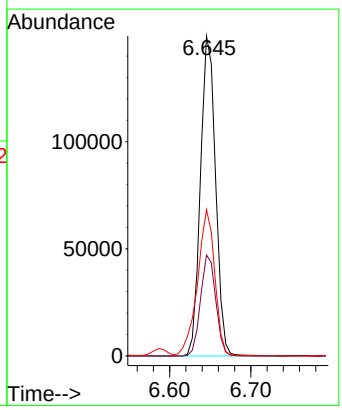
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

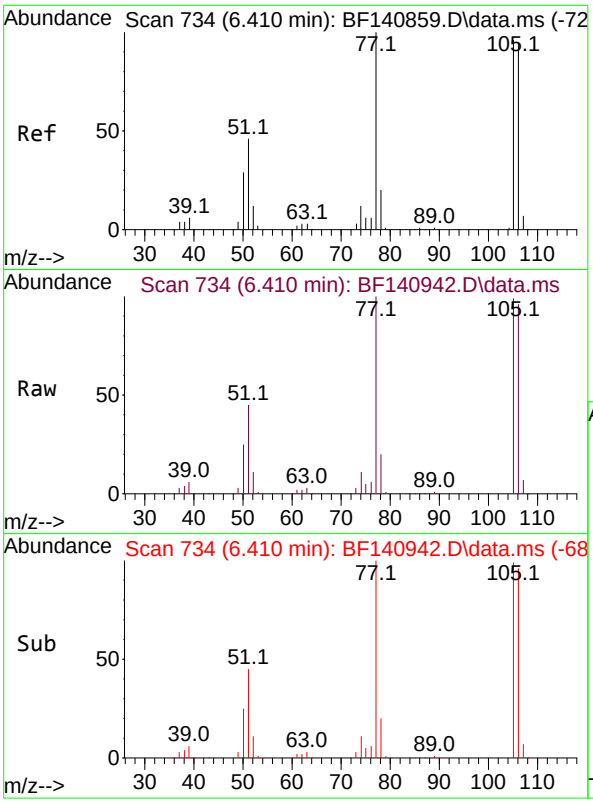



#8
2-Chlorophenol
Concen: 38.996 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:128 Resp: 193264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.6 | 12.9 | 52.9 |
| 64 | 45.7 | 24.3 | 64.3 |

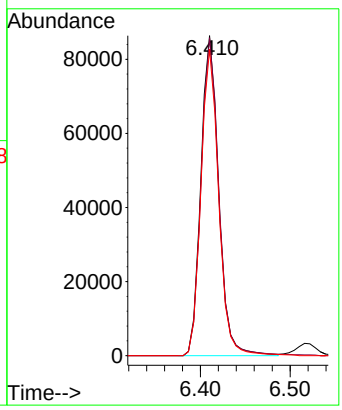





#9
Benzaldehyde
Concen: 35.692 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 77 Resp: 11904

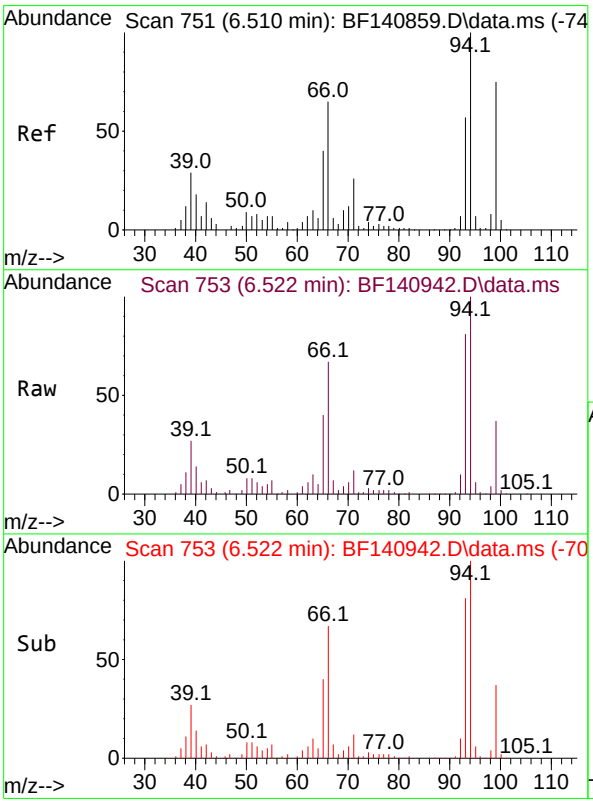
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.3 | 75.8 | 115.8 |
| 106 | 95.7 | 74.1 | 114.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

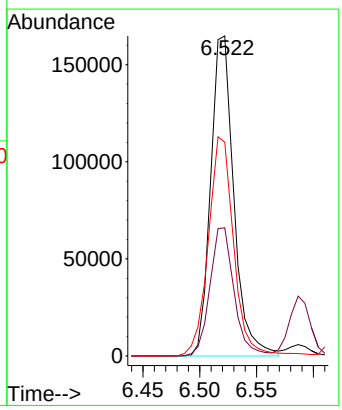
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

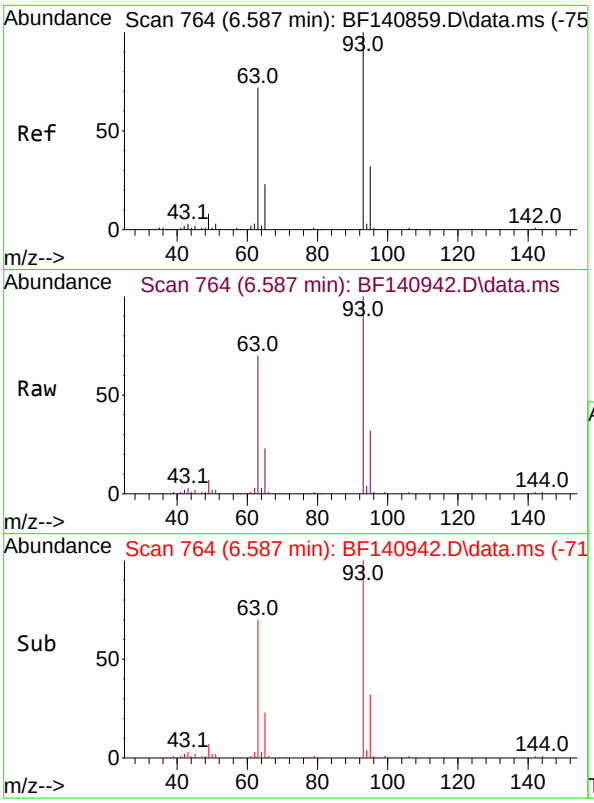



#10
Phenol
Concen: 37.438 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 94 Resp: 233567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.0 | 19.9 | 59.9 |
| 66 | 66.8 | 45.6 | 85.6 |






#11
bis(2-Chloroethyl)ether
Concen: 37.188 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

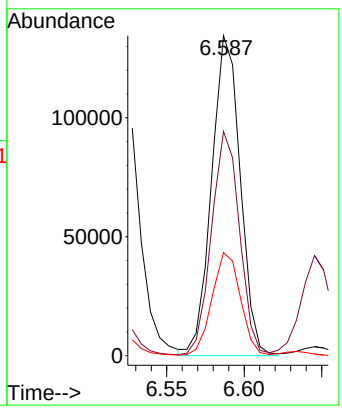
Tgt Ion: 93 Resp: 17302

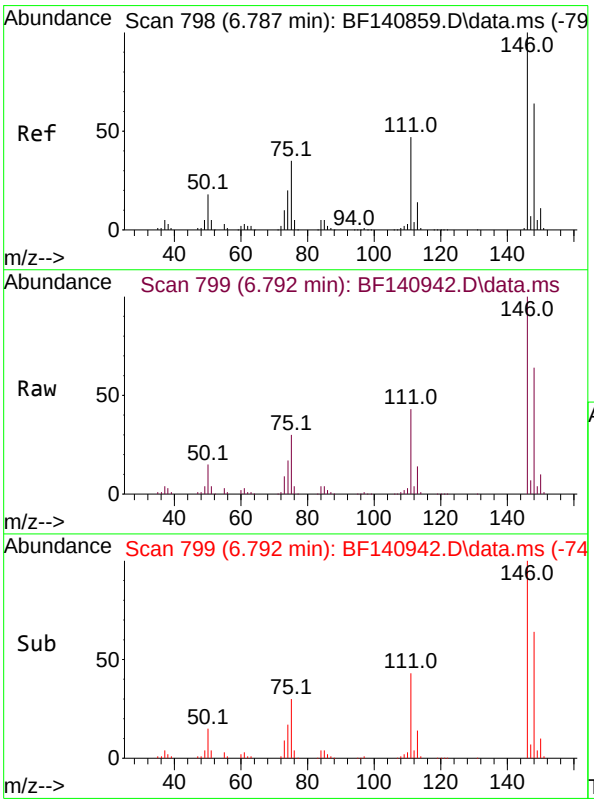
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.0 | 51.0 | 91.0 |
| 95 | 32.2 | 12.0 | 52.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

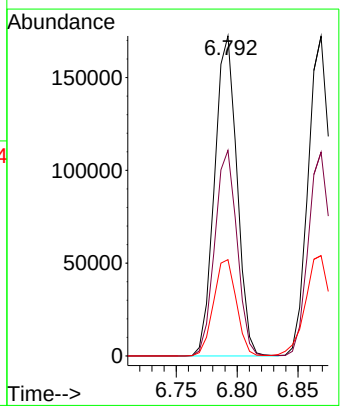


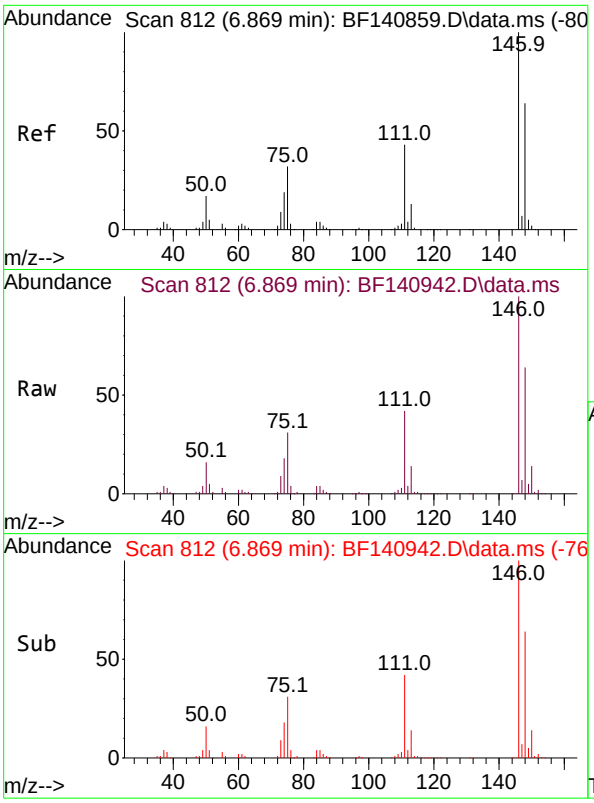




#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 220709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 75 | 30.1 | 28.1 | 42.1 |

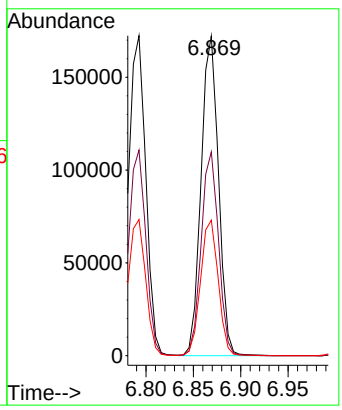





#13
1,4-Dichlorobenzene
Concen: 38.376 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 21998

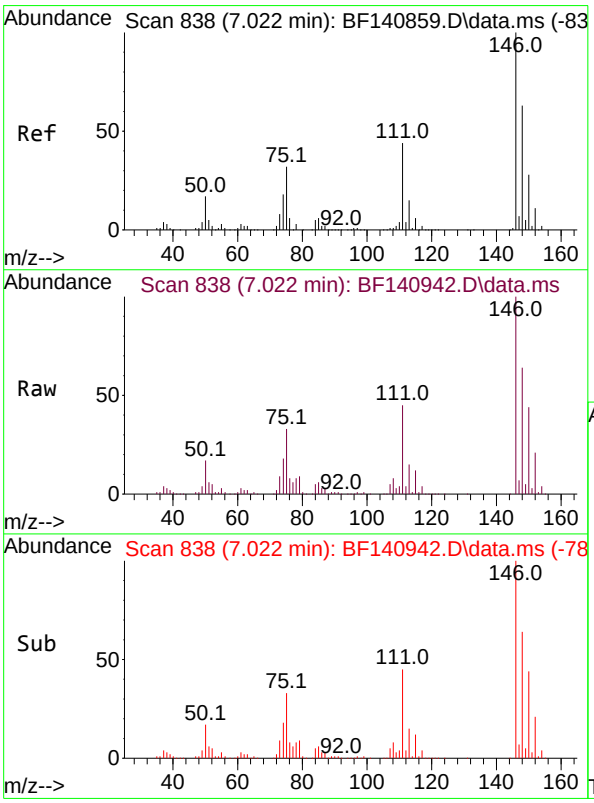
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.3 | 76.9 |
| 111 | 42.4 | 34.4 | 51.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

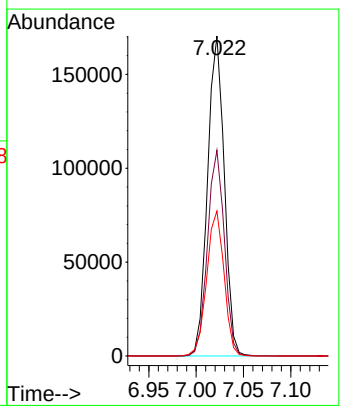
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

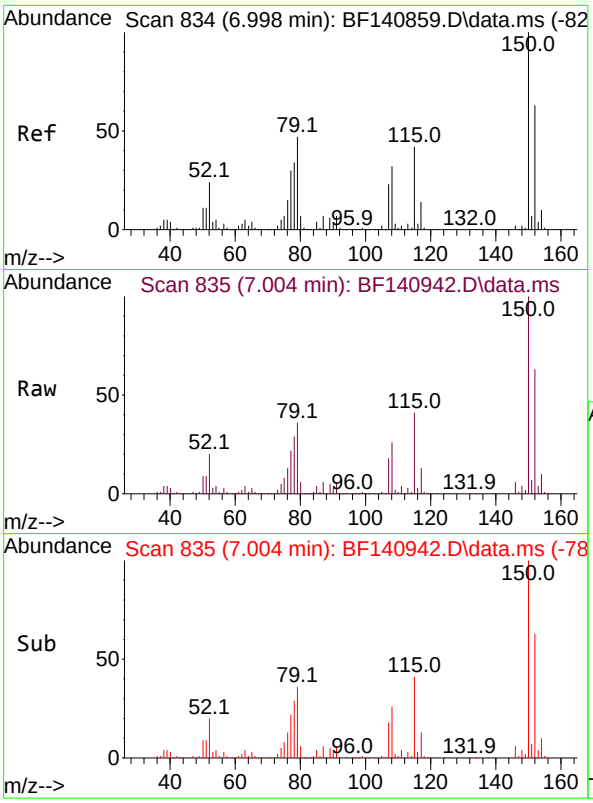



#14
1,2-Dichlorobenzene
Concen: 38.575 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 208631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.0 | 75.0 |
| 111 | 45.3 | 35.6 | 53.4 |

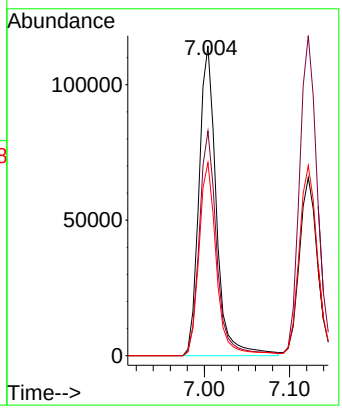





#15
Benzyl Alcohol
Concen: 37.495 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 79 Resp: 16137

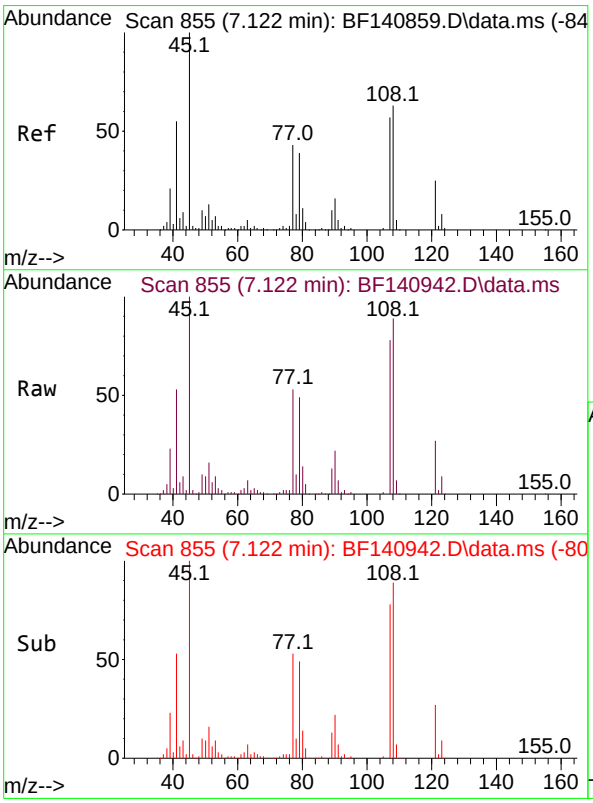
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.5 | 55.1 | 82.7 |
| 77 | 62.3 | 50.6 | 76.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

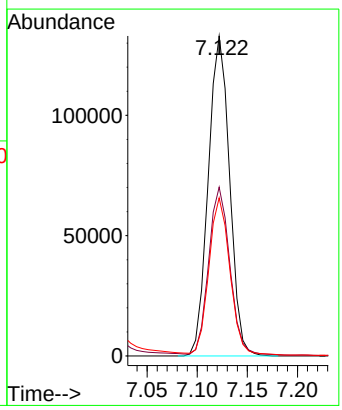
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

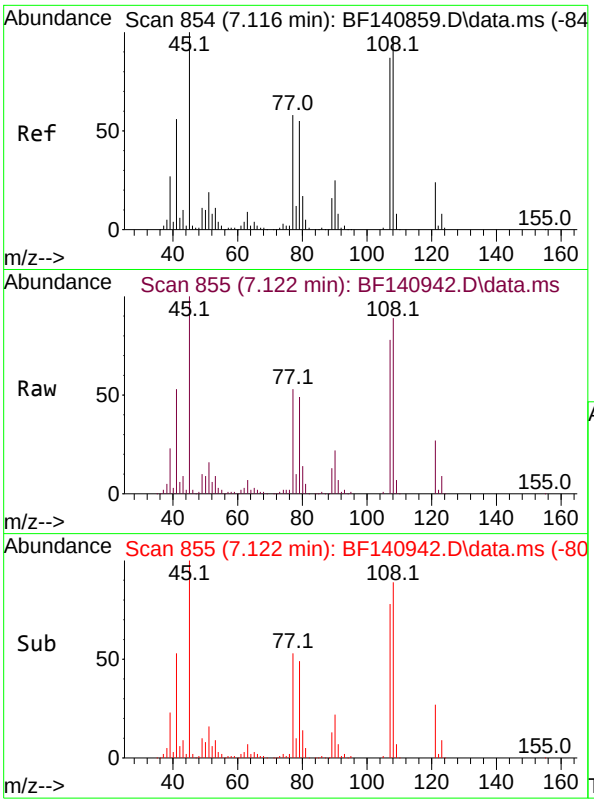



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.963 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 45 Resp: 197110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 52.7 | 23.3 | 63.3 |
| 79 | 49.4 | 20.0 | 60.0 |

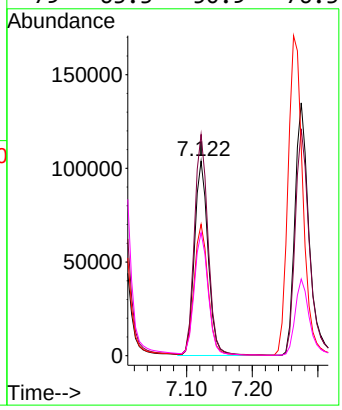





#17
2-Methylphenol
Concen: 38.095 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

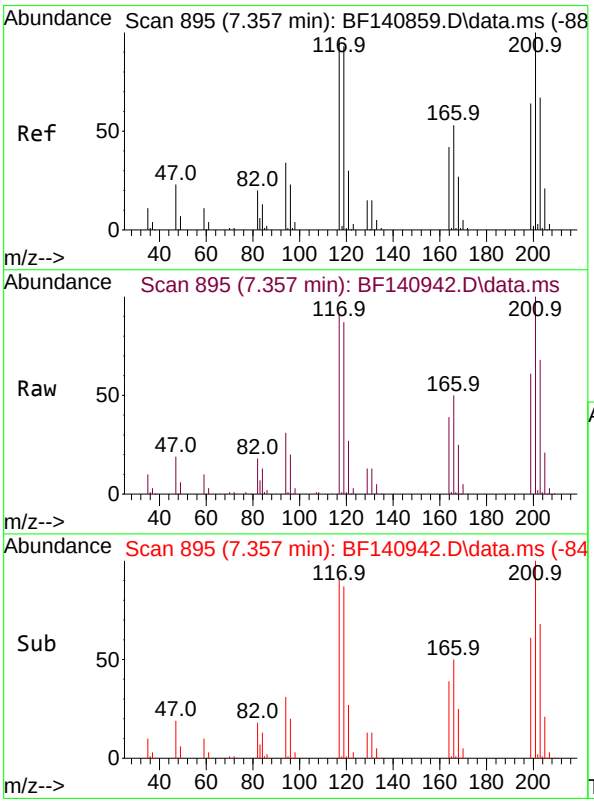
Tgt Ion:107 Resp: 15073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.7 | 90.2 | 135.4 |
| 77 | 67.6 | 53.8 | 80.6 |
| 79 | 63.3 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

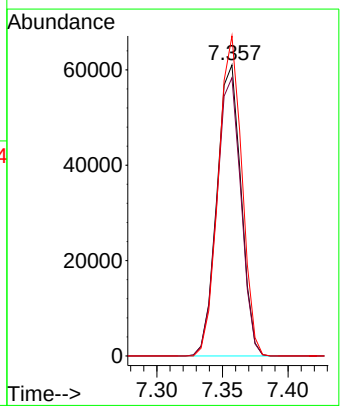
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

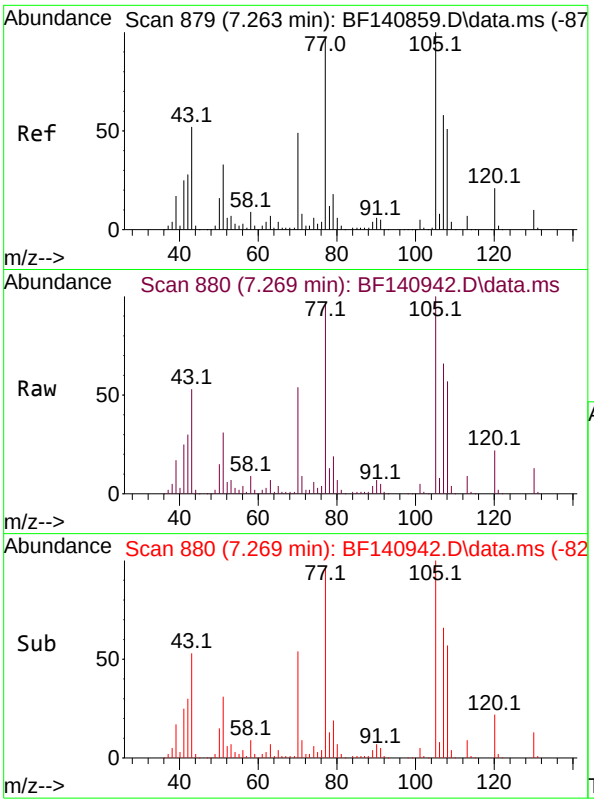



#18
Hexachloroethane
Concen: 36.502 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:117 Resp: 77896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 77.4 | 116.0 |
| 201 | 109.9 | 83.4 | 125.0 |

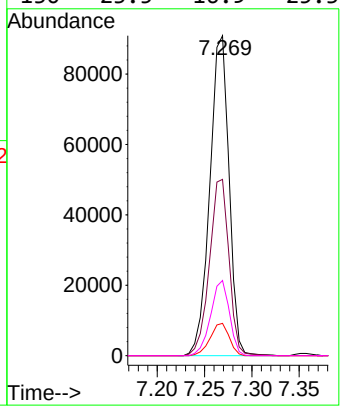





#19
n-Nitroso-di-n-propylamine
Concen: 35.587 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 70 Resp: 12849

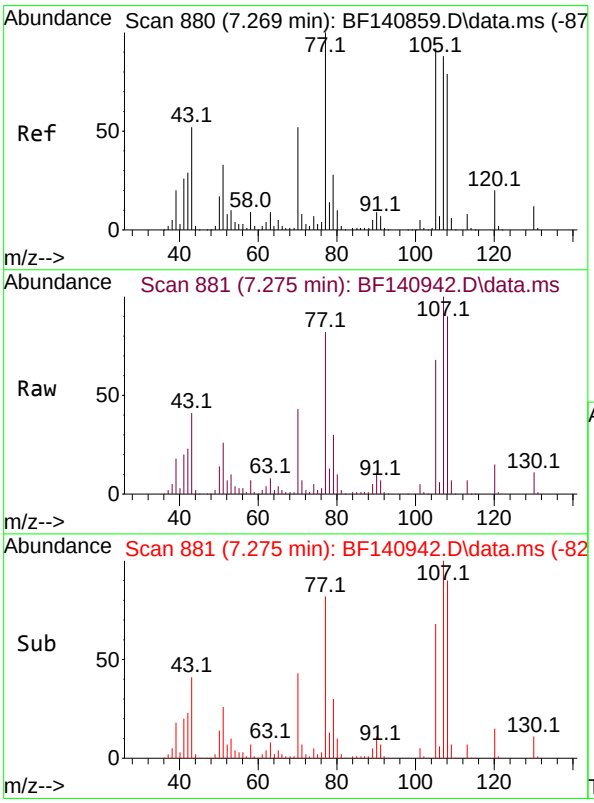
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.1 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 23.5 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

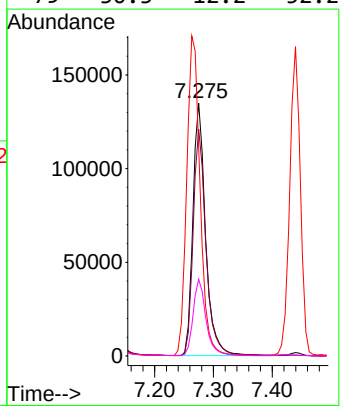
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

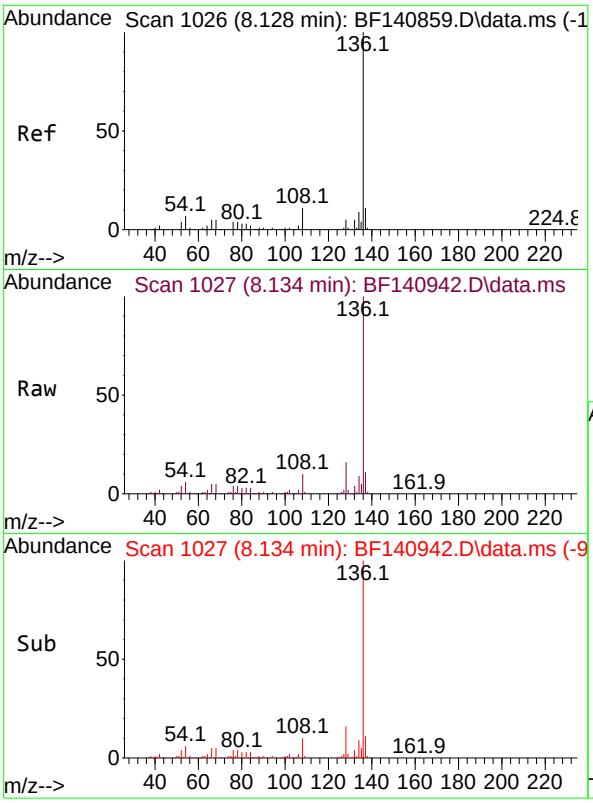



#20
3+4-Methylphenols
Concen: 38.521 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 202109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 70.1 | 110.1 |
| 77 | 82.4 | 94.4 | 134.4# |
| 79 | 30.3 | 12.2 | 52.2 |

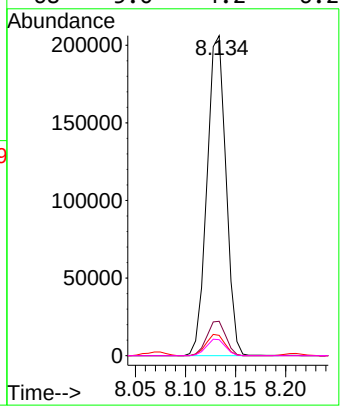





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

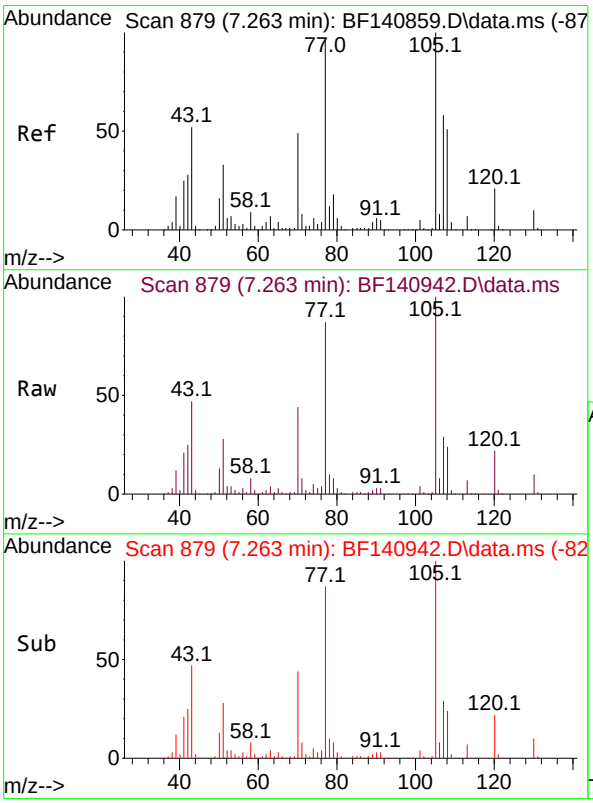
Tgt Ion:136 Resp: 27158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.3 | 5.6 | 8.4 |
| 68 | 5.0 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

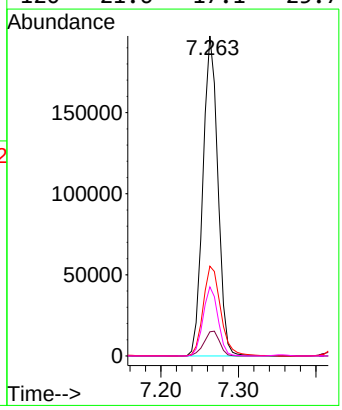
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

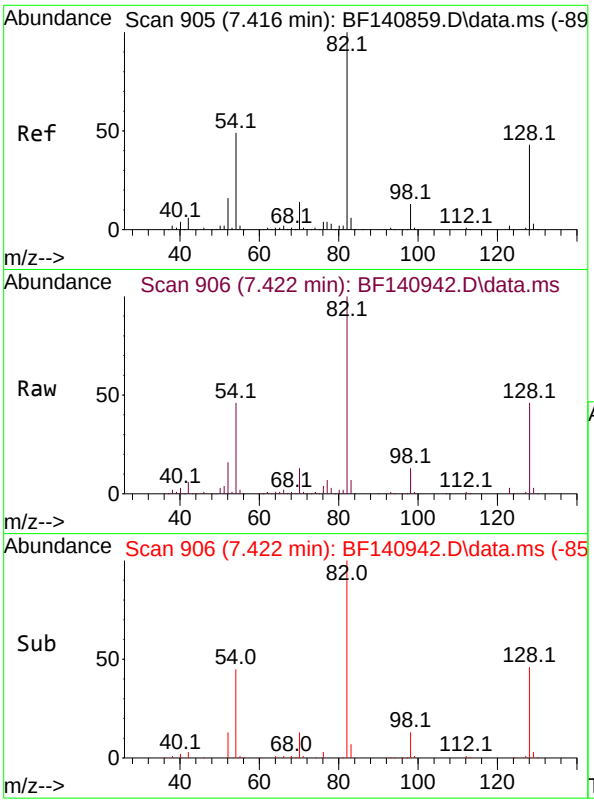



#22
Acetophenone
Concen: 38.835 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:105 Resp: 263844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 6.2 | 9.4 |
| 51 | 28.1 | 26.3 | 39.5 |
| 120 | 21.6 | 17.1 | 25.7 |

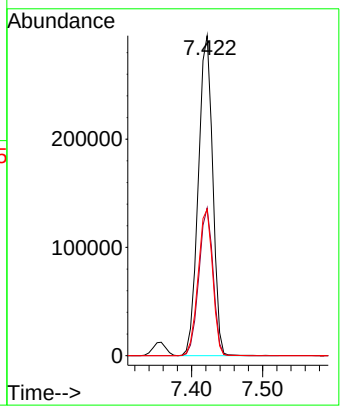





#23
Nitrobenzene-d5
Concen: 77.004 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 82 Resp: 41800

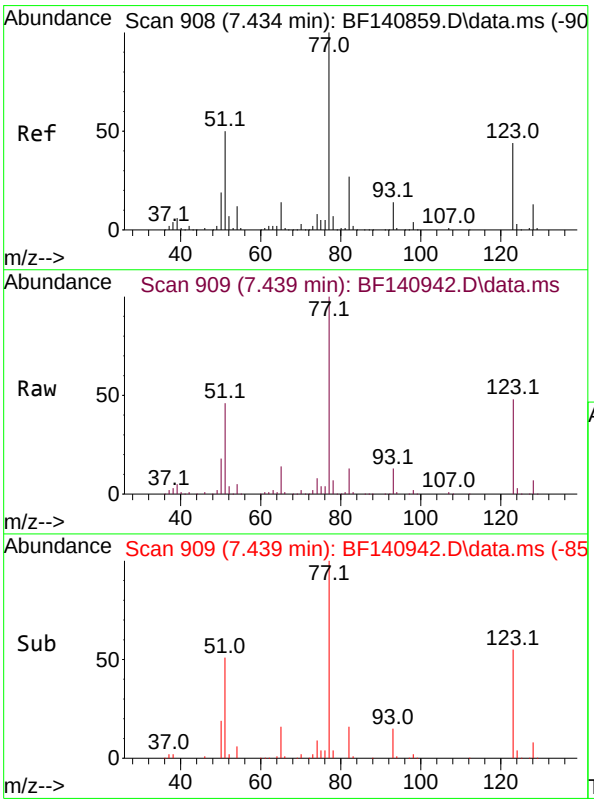
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.1 | 34.4 | 51.6 |
| 54 | 45.8 | 38.8 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

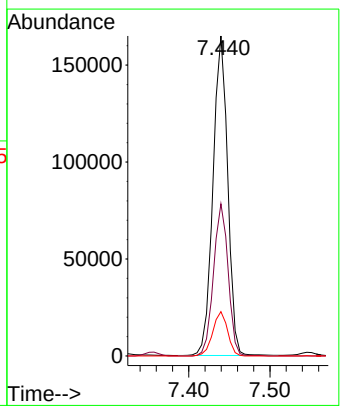
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

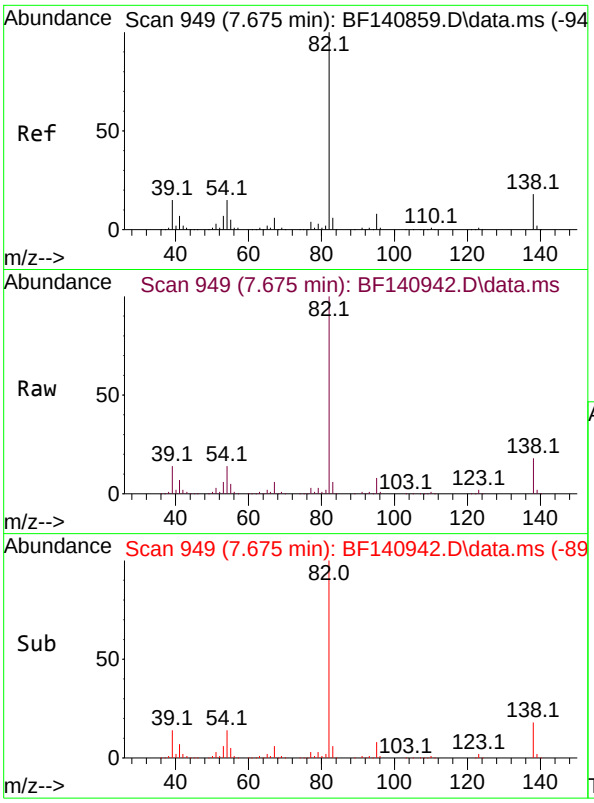



#24
Nitrobenzene
Concen: 37.305 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 77 Resp: 207460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 35.0 | 52.4 |
| 65 | 13.9 | 11.4 | 17.0 |

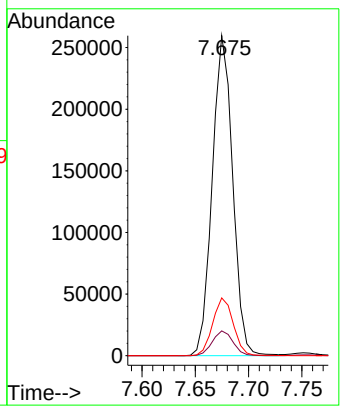





#25
Isophorone
Concen: 38.063 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 82 Resp: 346209

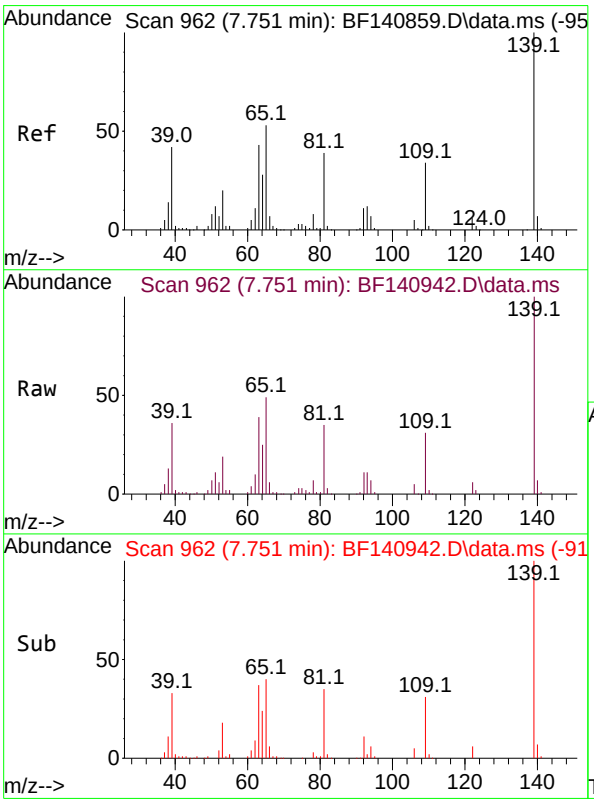
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.3 | 9.5 |
| 138 | 18.1 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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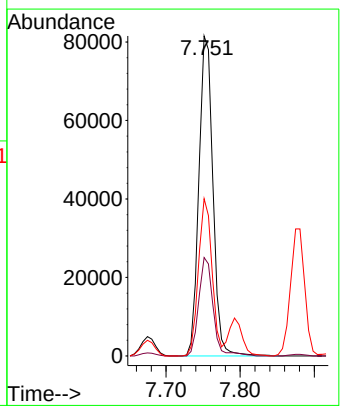
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

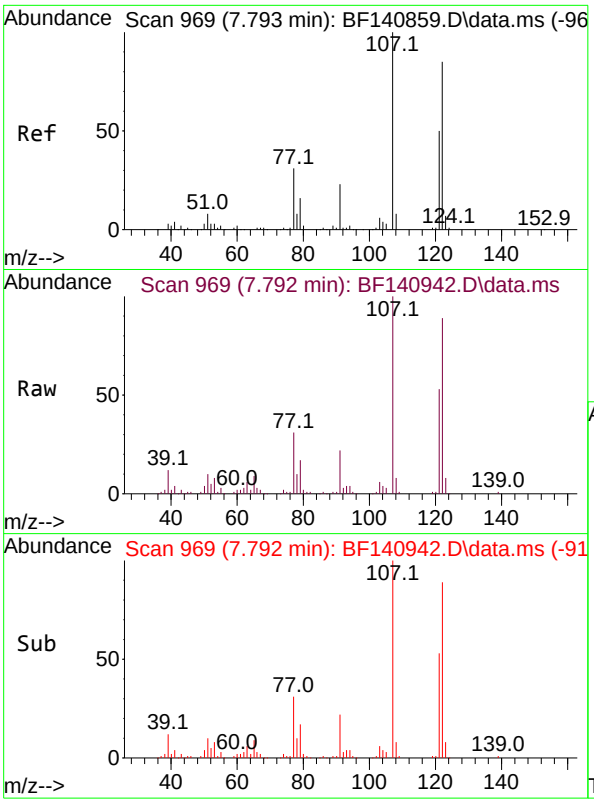



#26
2-Nitrophenol
Concen: 41.913 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:139 Resp: 107352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.8 | 26.9 | 40.3 |
| 65 | 49.1 | 42.6 | 64.0 |

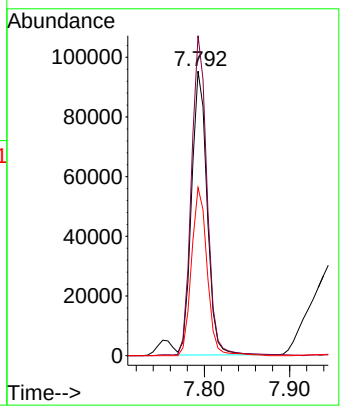





#27
2,4-Dimethylphenol
Concen: 40.254 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:122 Resp: 12040

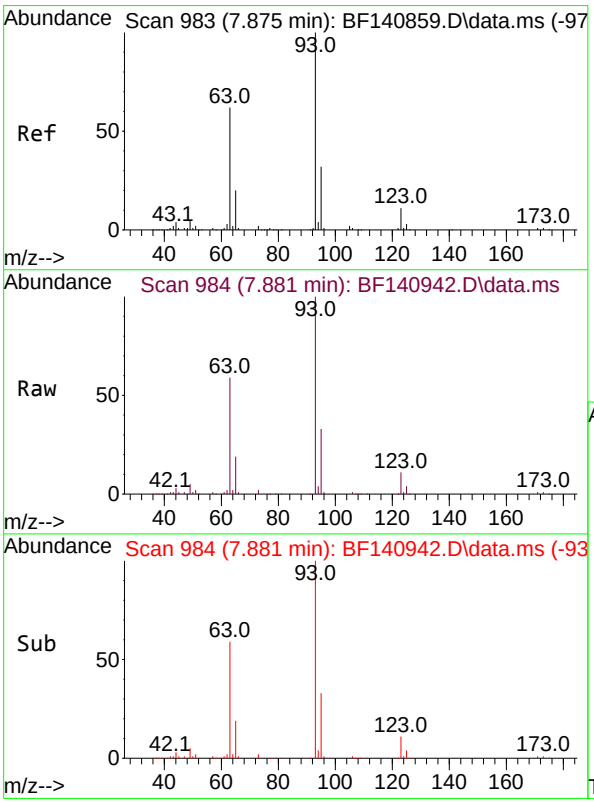
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.5 | 92.6 | 139.0 |
| 121 | 59.1 | 45.8 | 68.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

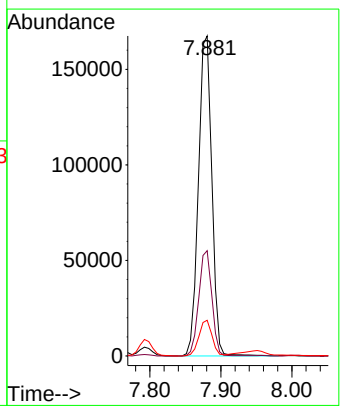
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

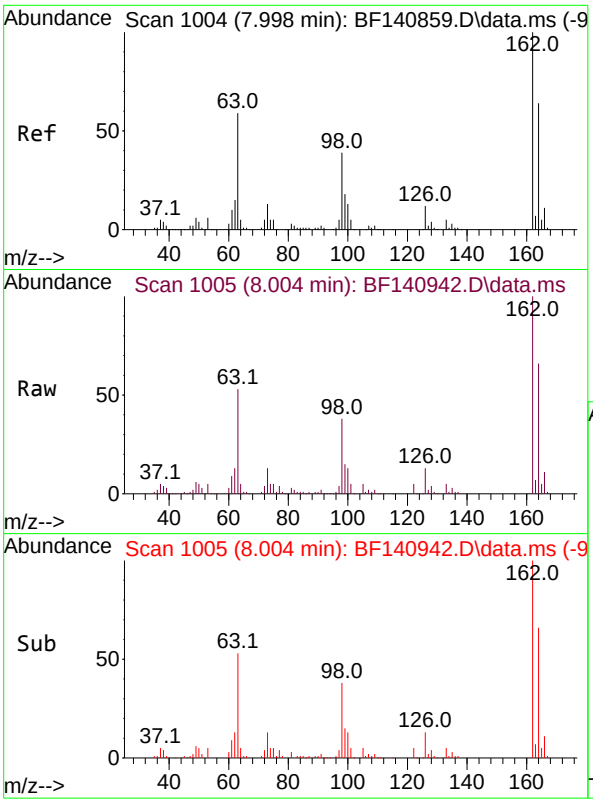



#28
bis(2-Chloroethoxy)methane
Concen: 38.864 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 93 Resp: 220781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.3 | 37.9 |
| 123 | 11.1 | 8.6 | 13.0 |

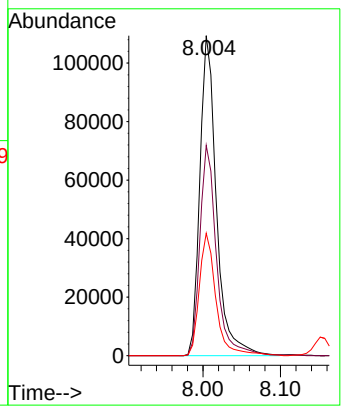





#29
2,4-Dichlorophenol
Concen: 39.361 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:162 Resp: 16254

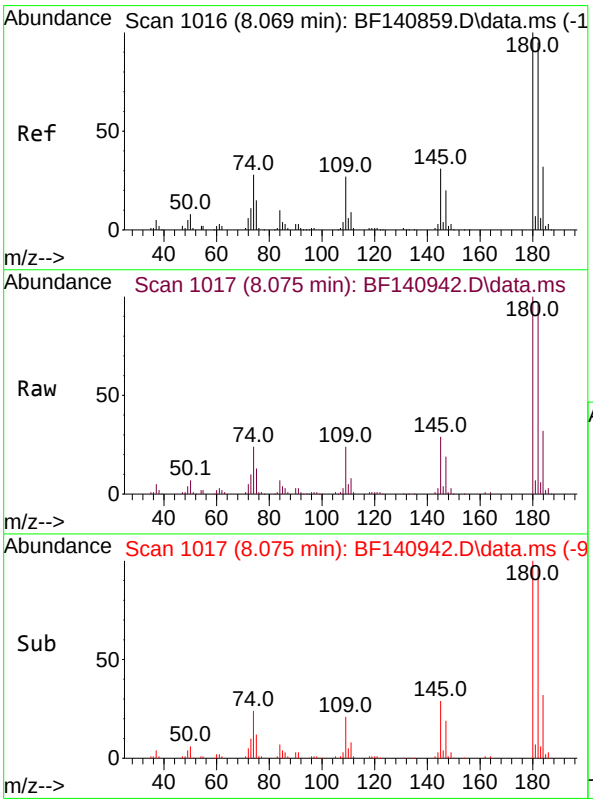
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.7 | 43.7 | 83.7 |
| 98 | 38.3 | 18.6 | 58.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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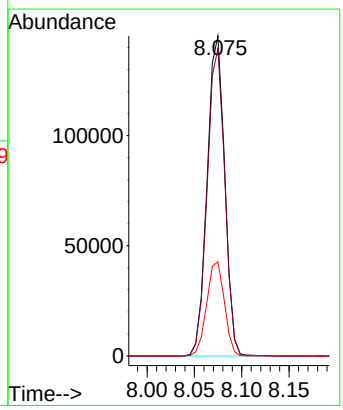
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

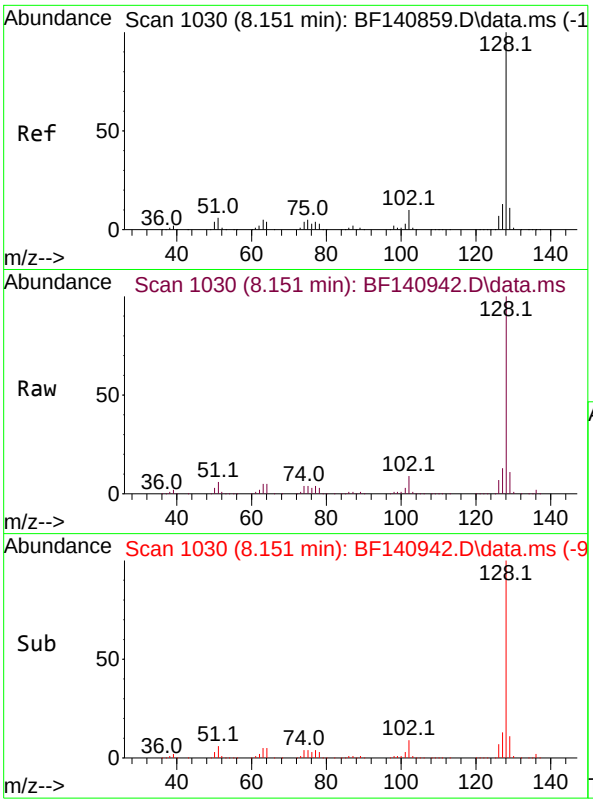



#30
1,2,4-Trichlorobenzene
Concen: 39.649 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:180 Resp: 187702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.8 | 113.6 |
| 145 | 29.5 | 25.2 | 37.8 |

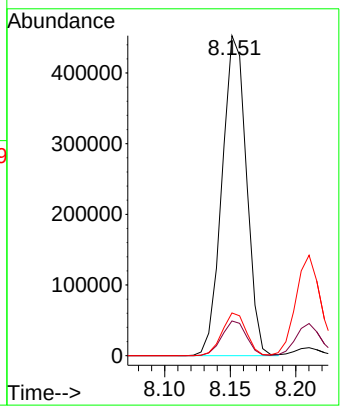





#31
Naphthalene
Concen: 39.270 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:128 Resp: 58585

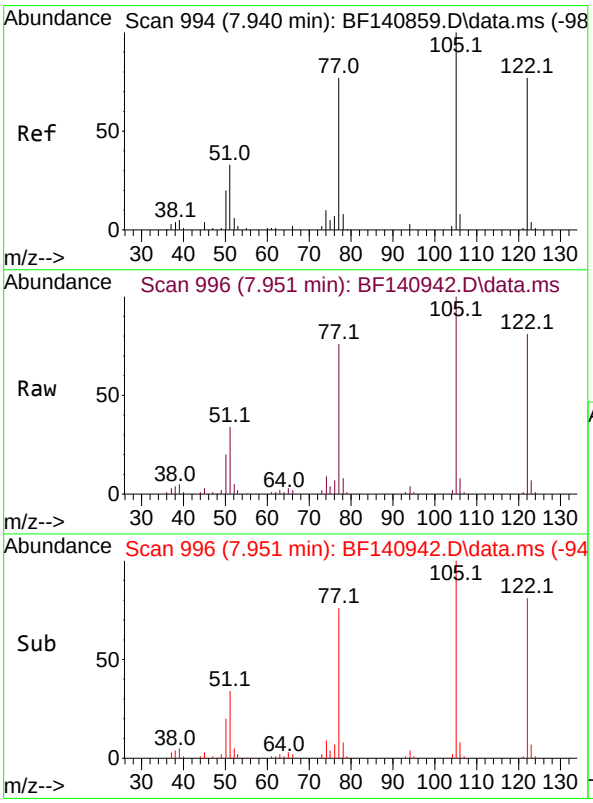
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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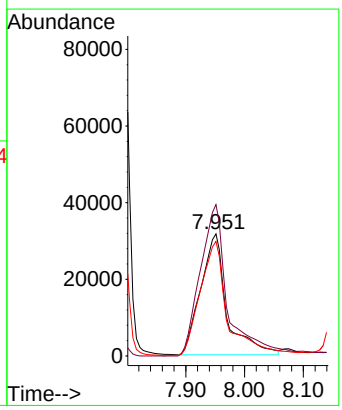
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

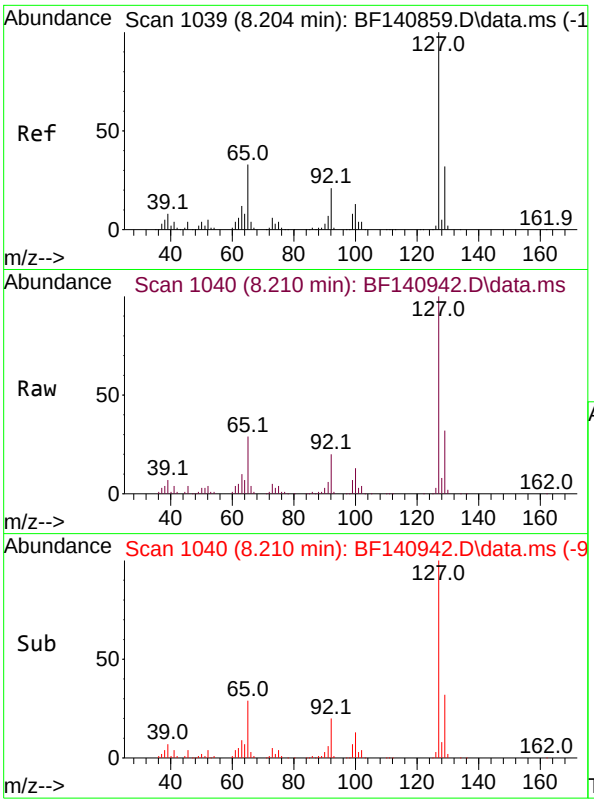



#32
Benzoic acid
Concen: 34.606 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:122 Resp: 98174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 108.3 | 148.3 |
| 77 | 93.8 | 78.8 | 118.8 |

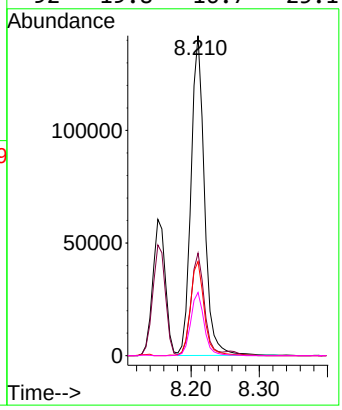





#33
4-Chloroaniline
Concen: 39.228 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:127 Resp: 19436

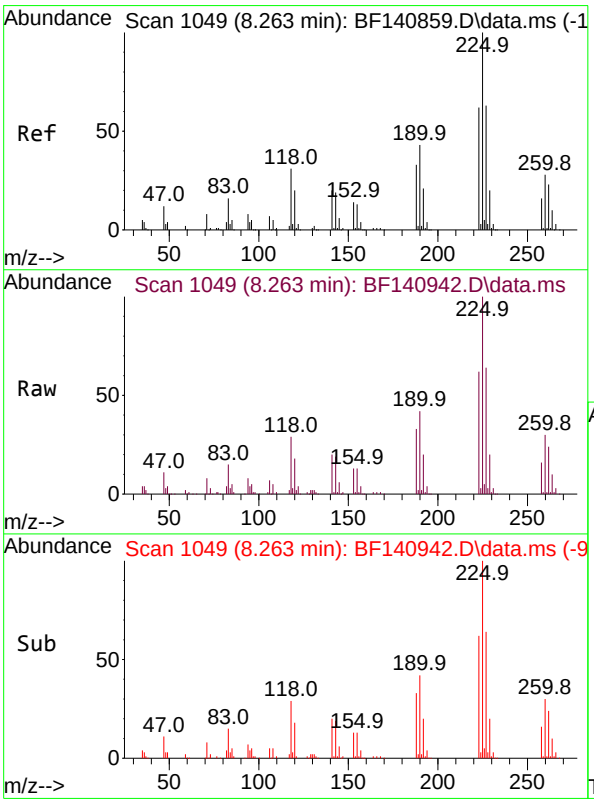
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.0 | 39.0 |
| 65 | 29.5 | 26.0 | 39.0 |
| 92 | 19.8 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

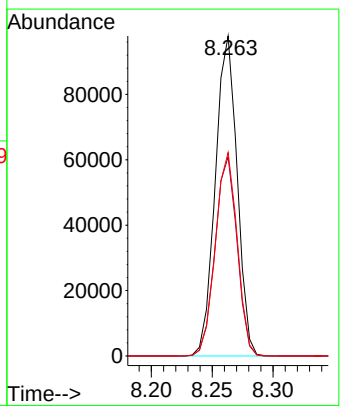
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

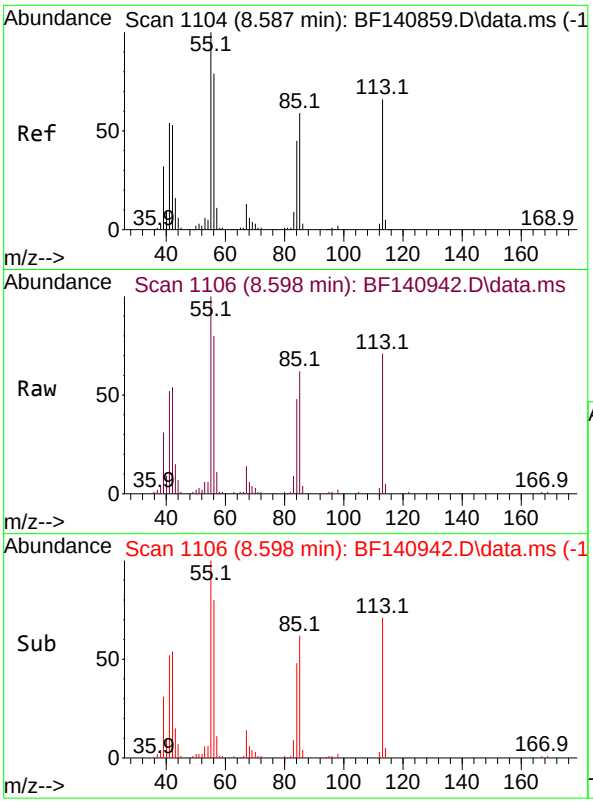



#34
Hexachlorobutadiene
Concen: 38.289 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:225 Resp: 121955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 49.6 | 74.4 |
| 227 | 63.6 | 50.7 | 76.1 |

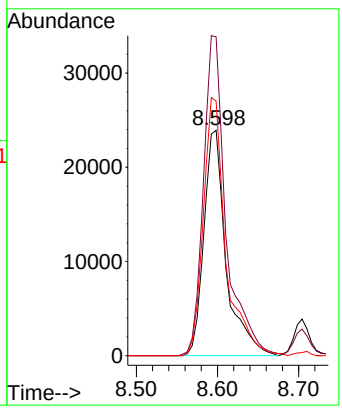





#35
Caprolactam
Concen: 37.061 ng
RT: 8.598 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:113 Resp: 4556

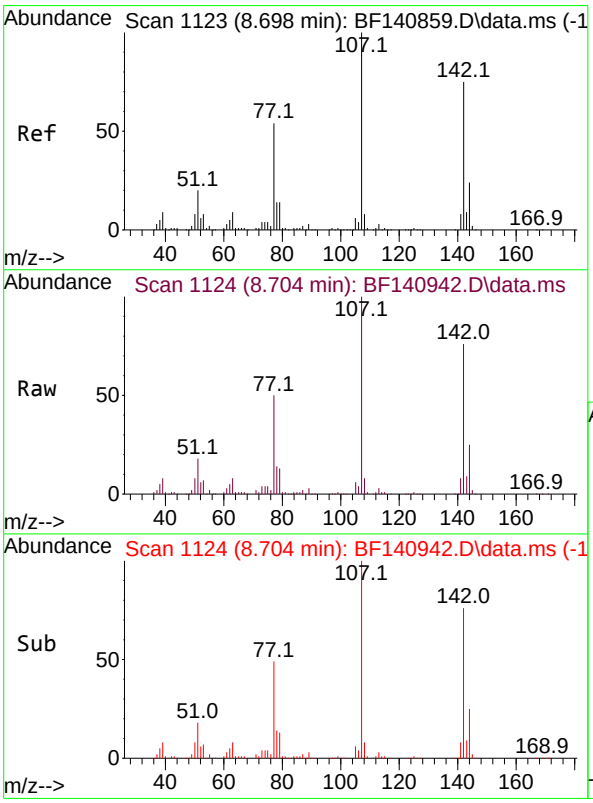
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 141.5 | 132.3 | 172.3 |
| 56 | 112.9 | 100.3 | 140.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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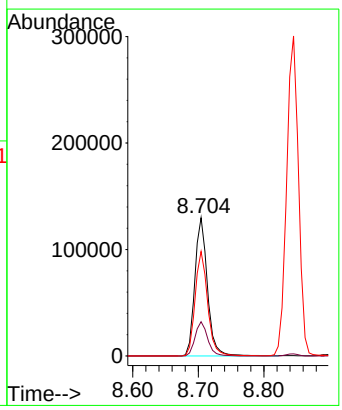
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

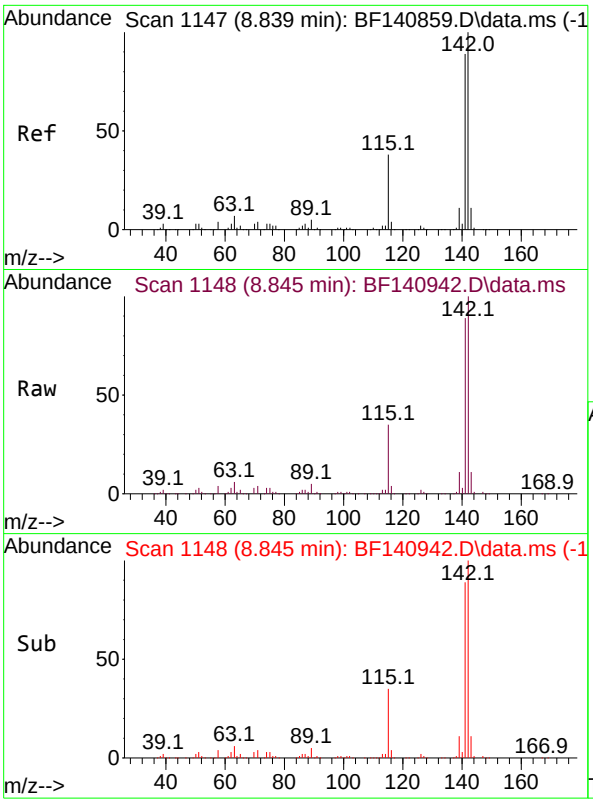



#36
4-Chloro-3-methylphenol
Concen: 37.361 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 173656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 19.4 | 29.2 |
| 142 | 75.5 | 60.3 | 90.5 |

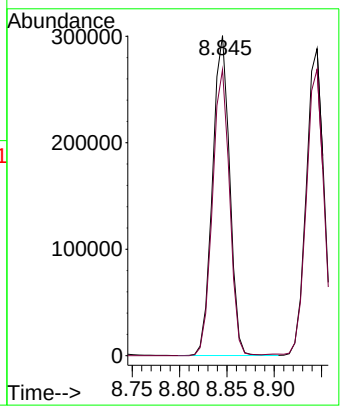





#37
2-Methylnaphthalene
Concen: 38.282 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:142 Resp: 37779

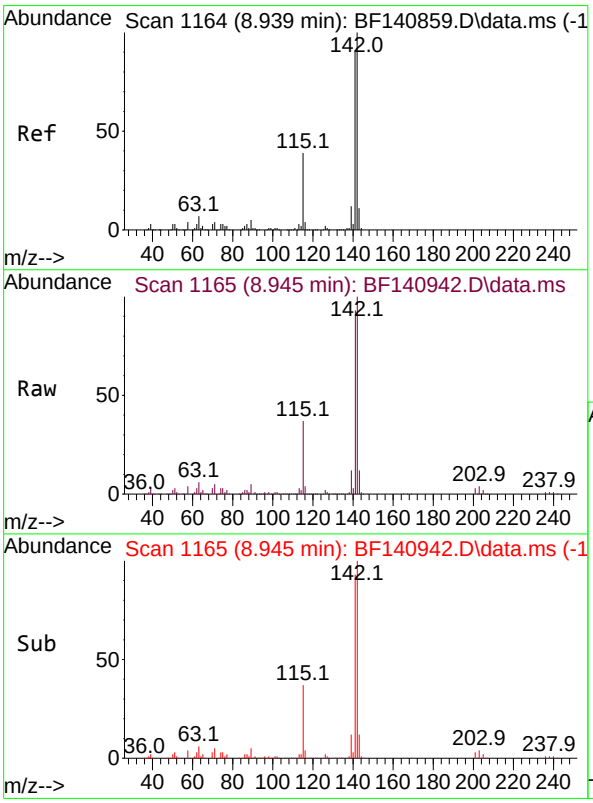
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.0 | 106.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

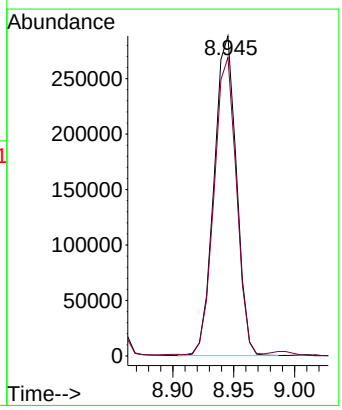
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

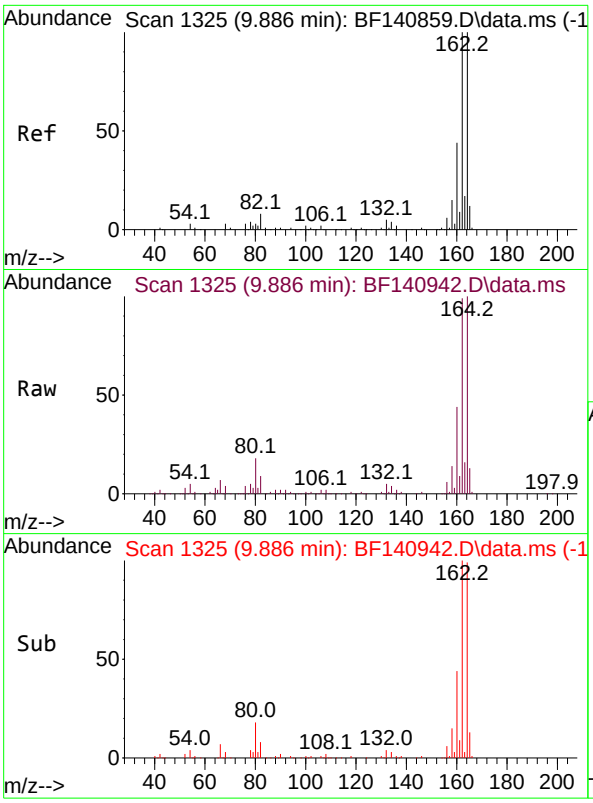



#38
1-Methylnaphthalene
Concen: 37.761 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:142 Resp: 368550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 73.4 | 110.0 |

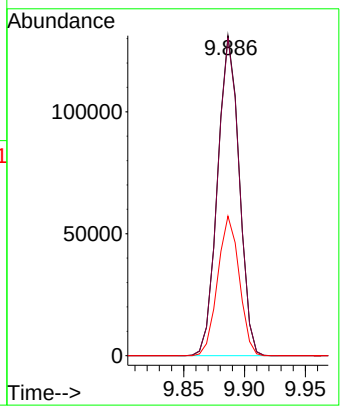





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:164 Resp: 16231

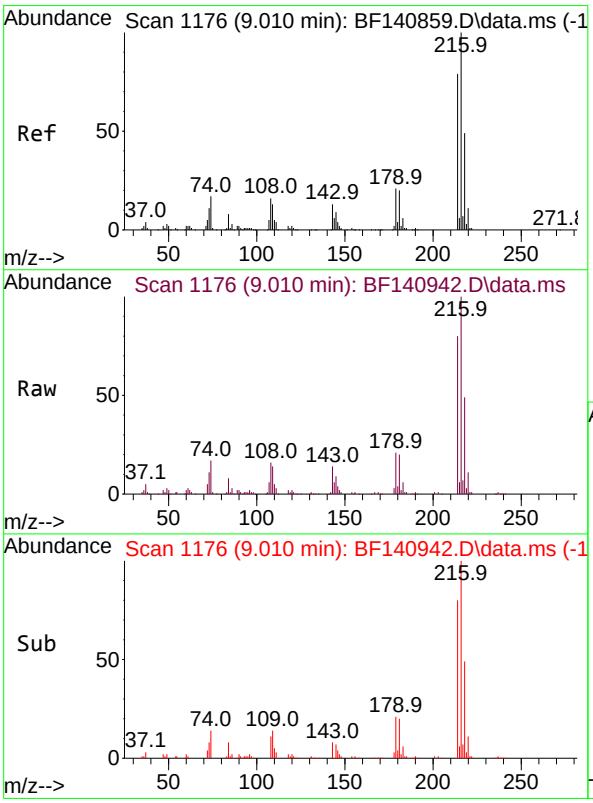
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 79.9 | 119.9 |
| 160 | 43.6 | 35.2 | 52.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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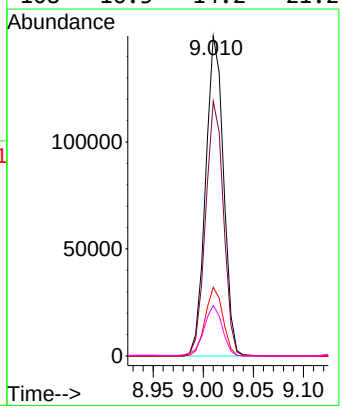
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

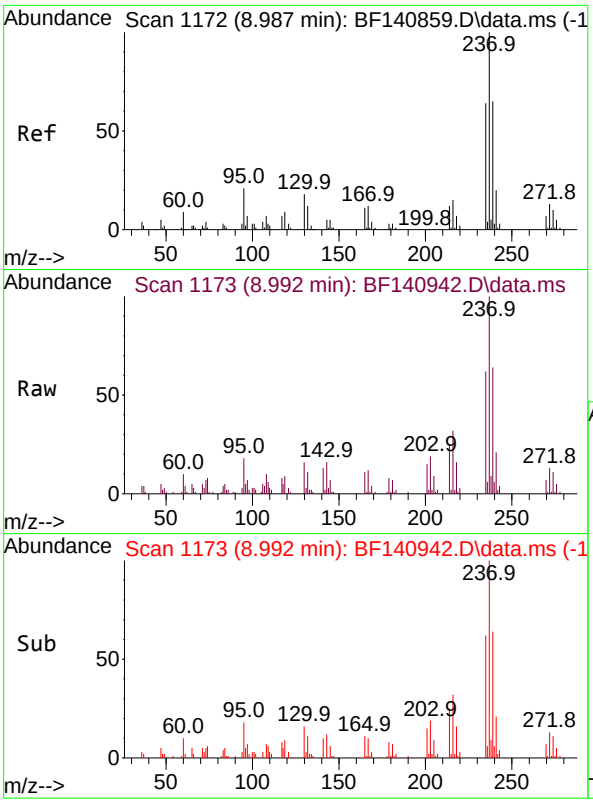



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.349 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:216 Resp: 186337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.6 | 95.4 |
| 179 | 21.1 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |

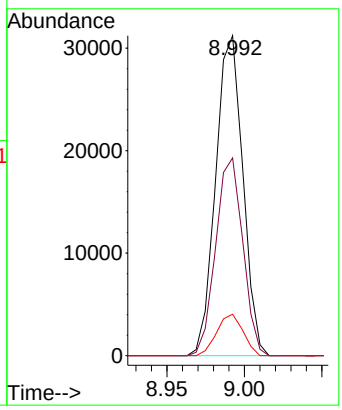





#41
Hexachlorocyclopentadiene
Concen: 34.773 ng
RT: 8.992 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:237 Resp: 3808

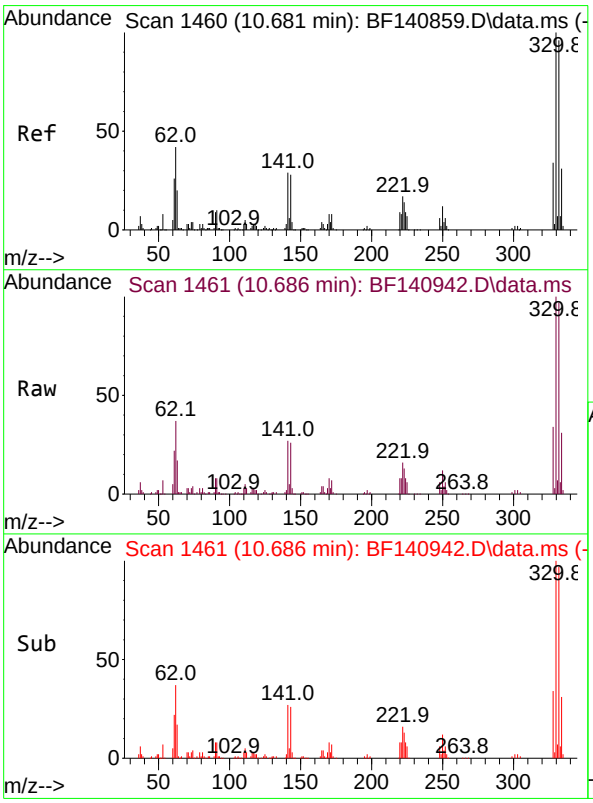
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 43.7 | 83.7 |
| 272 | 13.0 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

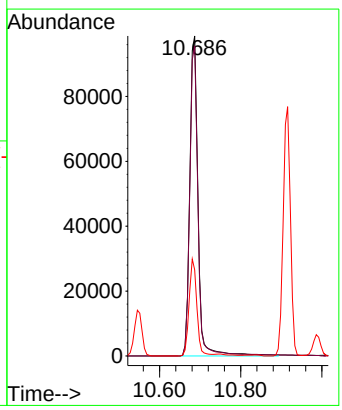
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

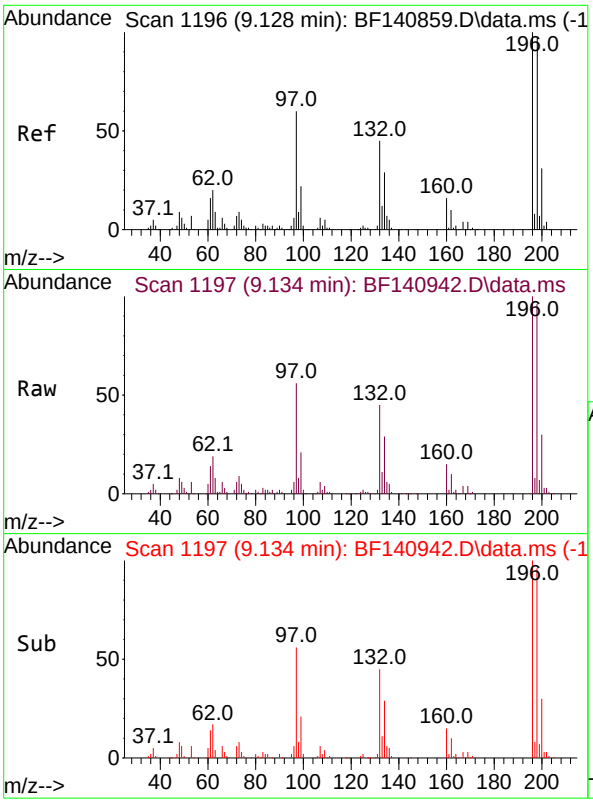



#42
2,4,6-Tribromophenol
Concen: 72.531 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:330 Resp: 139243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.2 | 114.4 |
| 141 | 28.3 | 24.9 | 37.3 |

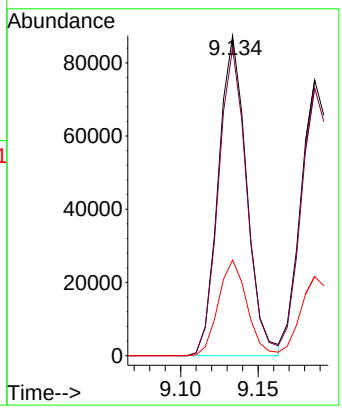





#43
2,4,6-Trichlorophenol
Concen: 36.226 ng
RT: 9.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:196 Resp: 11066

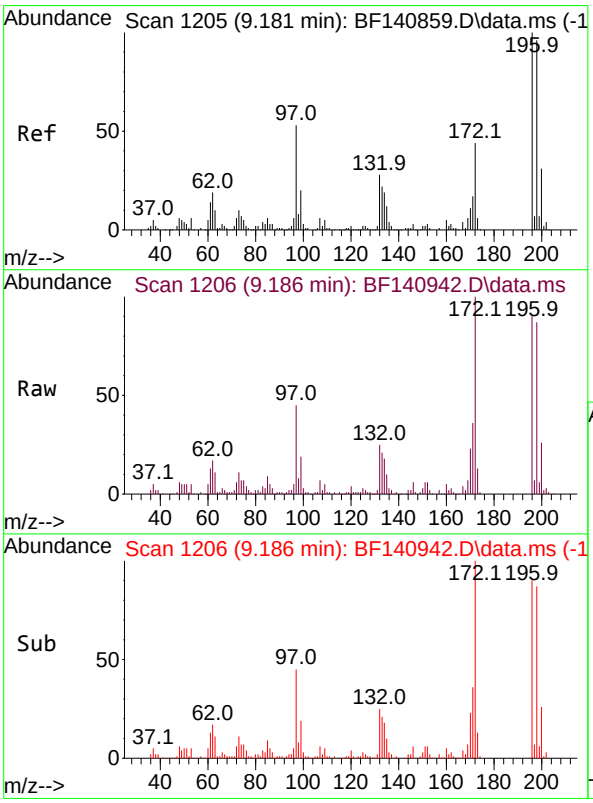
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 77.4 | 116.0 |
| 200 | 29.9 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

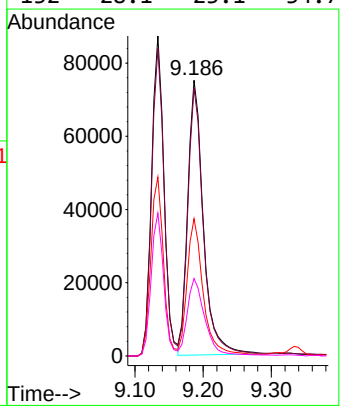
Reviewed By :Jagrut Upadhyay 12/23/2024
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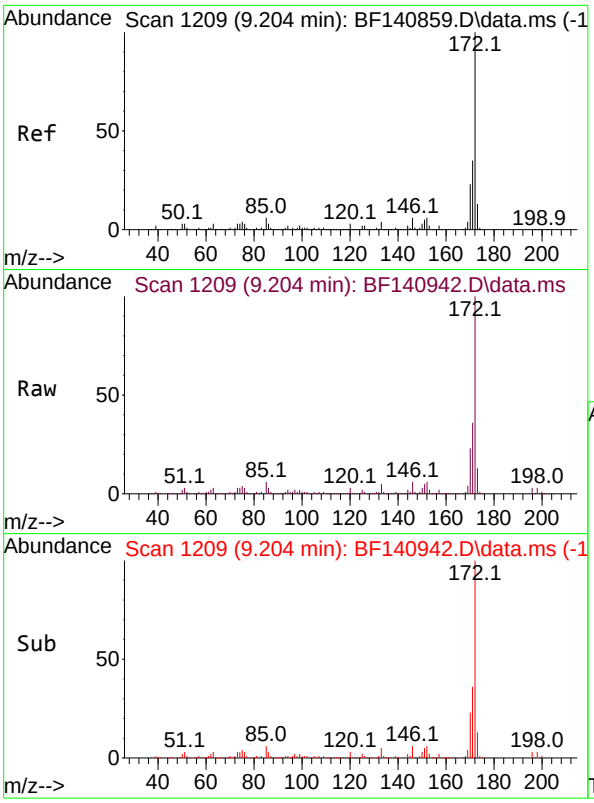



#44
2,4,5-Trichlorophenol
Concen: 35.638 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:196 Resp: 119664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 77.2 | 115.8 |
| 97 | 49.8 | 42.2 | 63.4 |
| 132 | 28.1 | 23.1 | 34.7 |

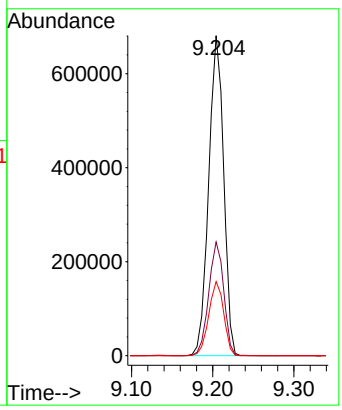





#45
2-Fluorobiphenyl
Concen: 73.670 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:172 Resp: 86976

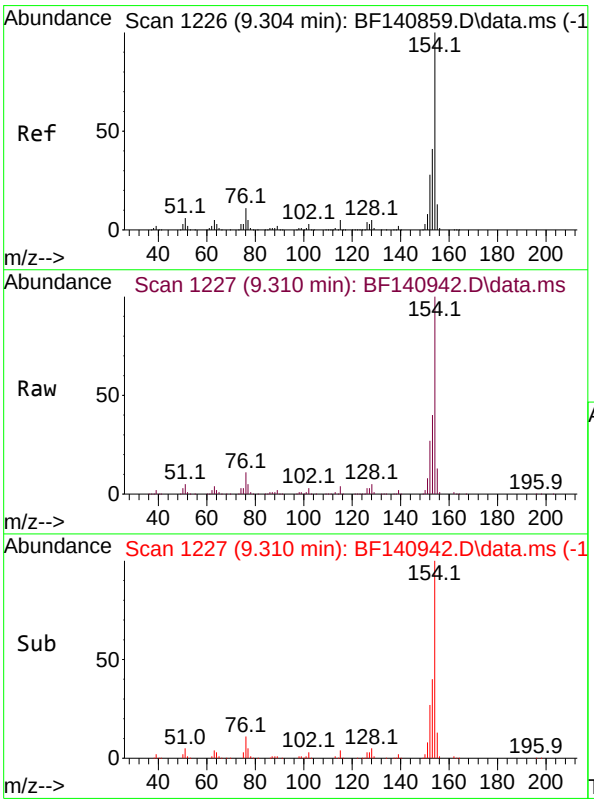
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.4 | 42.6 |
| 170 | 23.2 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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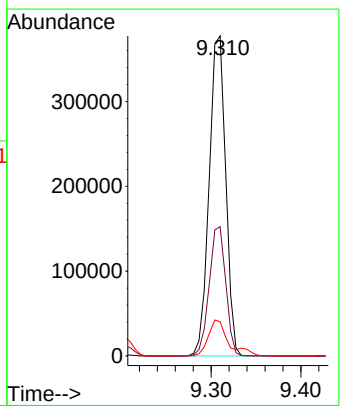
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

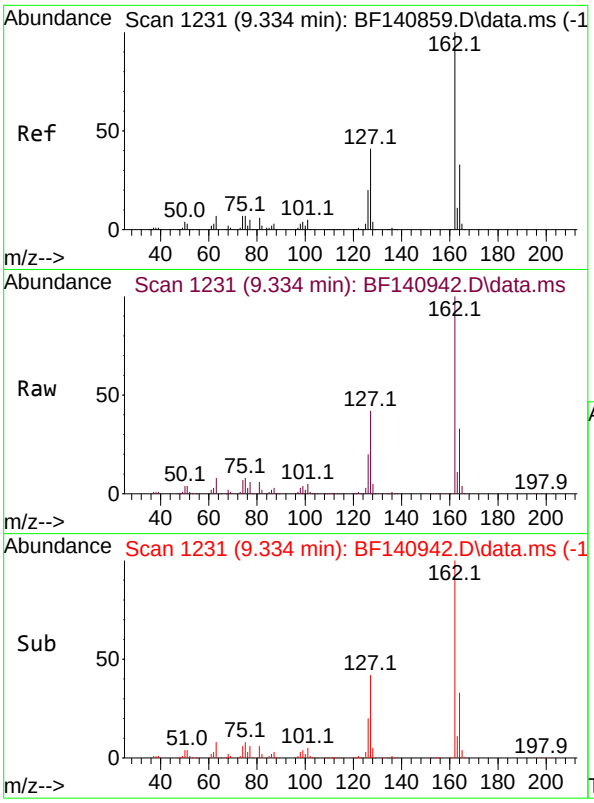



#46
1,1'-Biphenyl
Concen: 37.480 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:154 Resp: 483766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.8 | 60.8 |
| 76 | 10.7 | 0.0 | 31.0 |

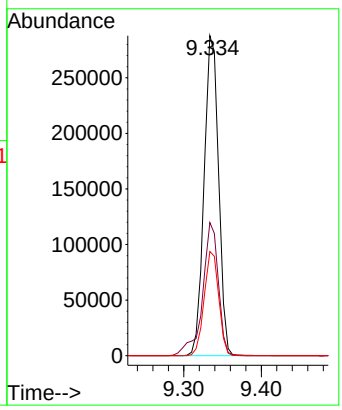





#47
2-Chloronaphthalene
Concen: 37.889 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:162 Resp: 37412

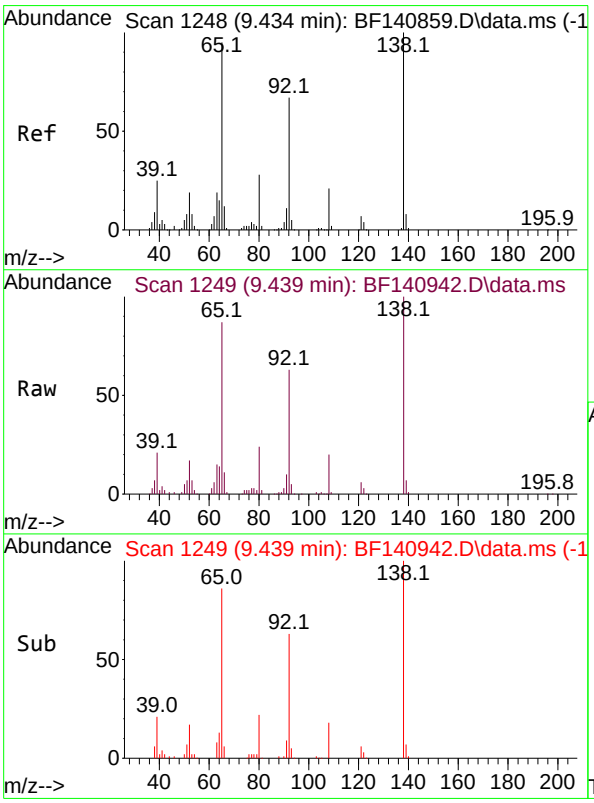
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.6 | 33.5 | 50.3 |
| 164 | 32.5 | 26.2 | 39.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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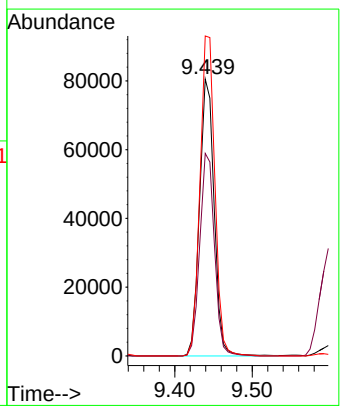
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

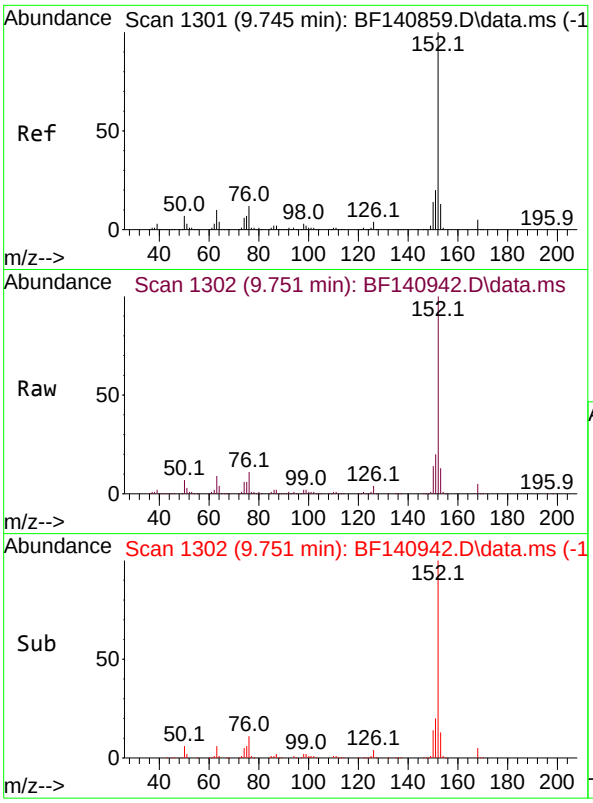



#48
2-Nitroaniline
Concen: 35.406 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 65 Resp: 105588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.1 | 56.3 | 84.5 |
| 138 | 115.5 | 83.8 | 125.6 |

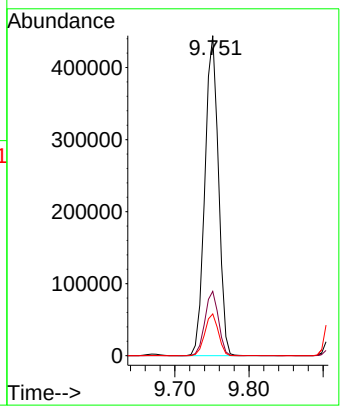





#49
Acenaphthylene
Concen: 38.943 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:152 Resp: 56510

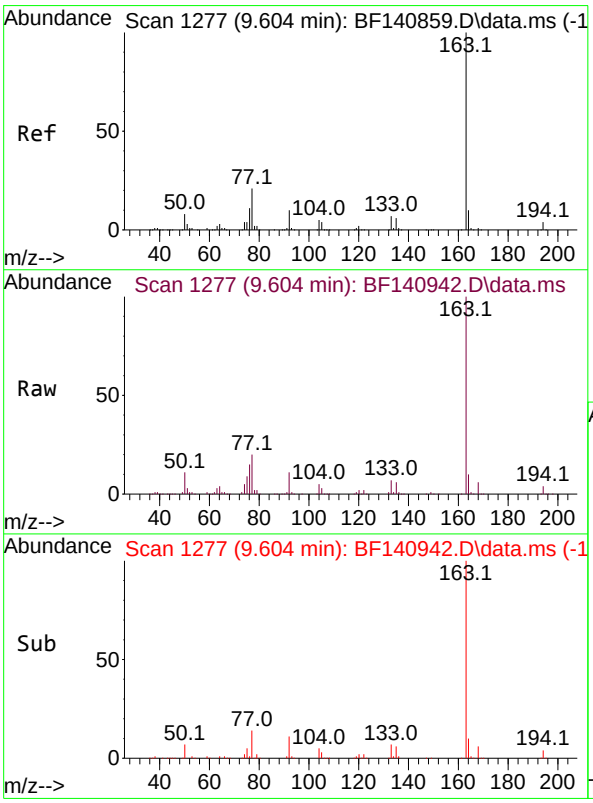
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

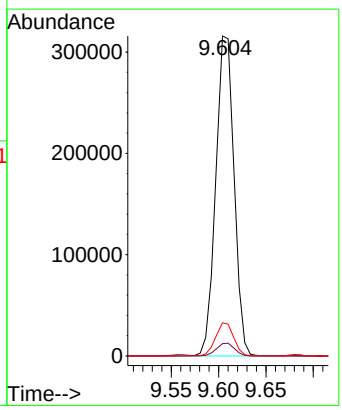
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

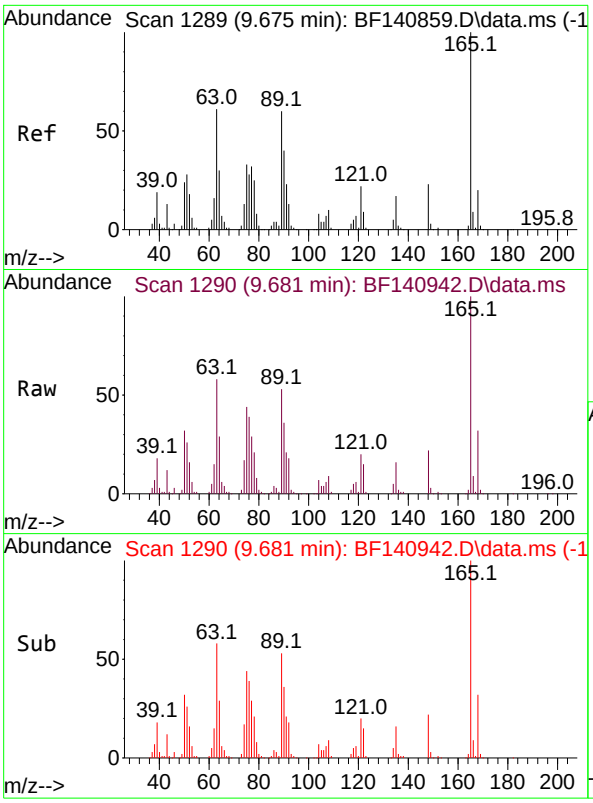



#50
Dimethylphthalate
Concen: 37.159 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:163 Resp: 425243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.3 | 8.1 | 12.1 |

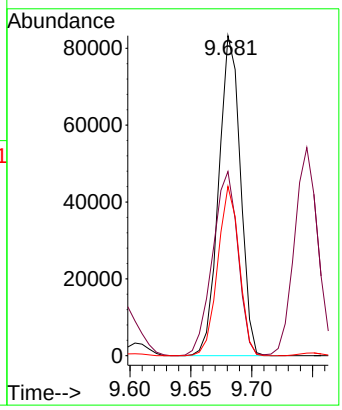





#51
2,6-Dinitrotoluene
Concen: 39.451 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:165 Resp: 10321

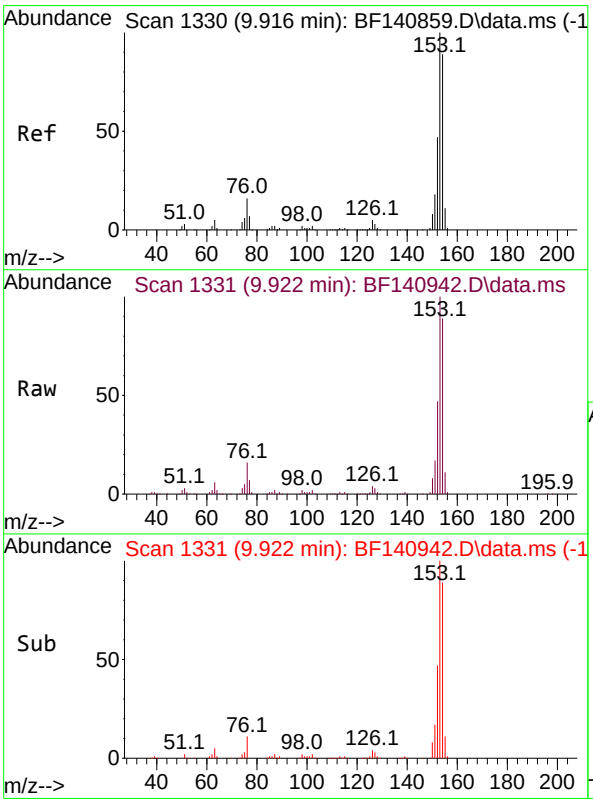
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.5 | 49.7 | 74.5 |
| 89 | 52.9 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

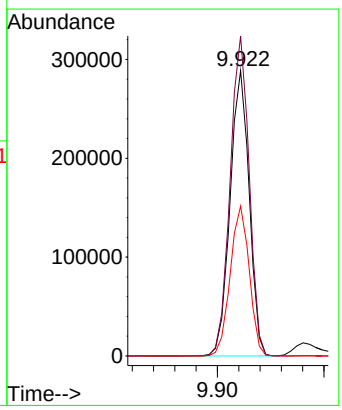
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

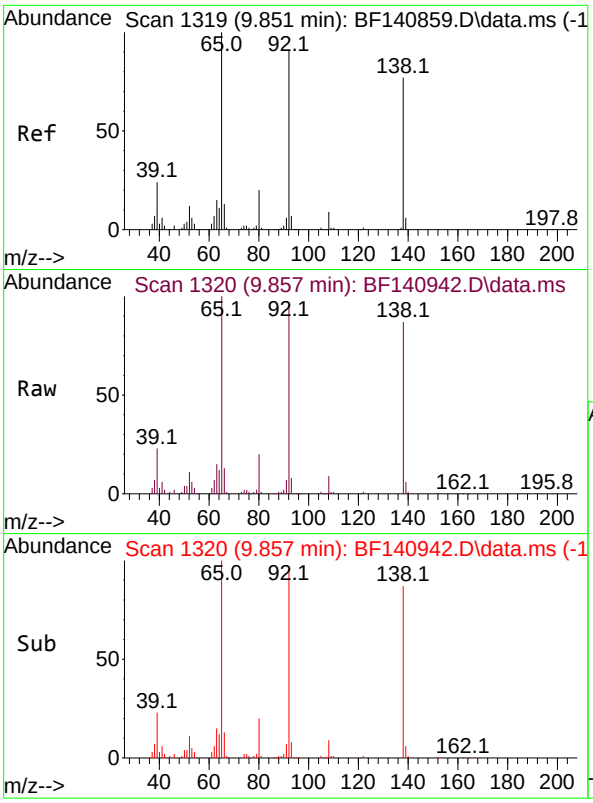



#52
Acenaphthene
Concen: 38.772 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:154 Resp: 359395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.9 | 134.9 |
| 152 | 52.6 | 42.6 | 63.8 |

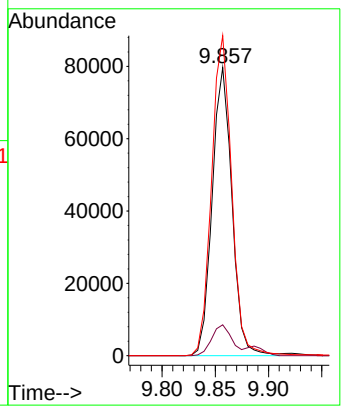





#53
3-Nitroaniline
Concen: 39.535 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:138 Resp: 10264

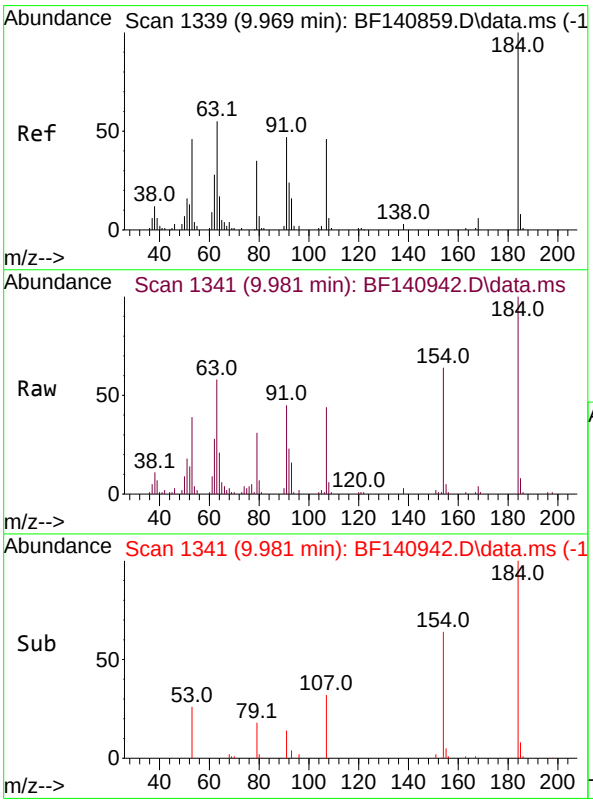
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 9.0 | 13.4 |
| 92 | 111.0 | 95.5 | 143.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

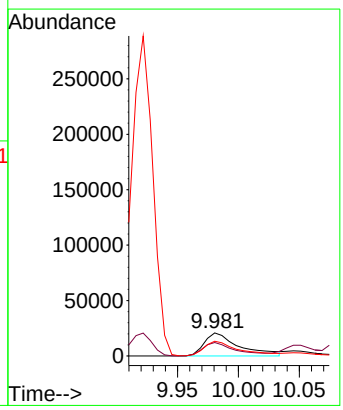
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

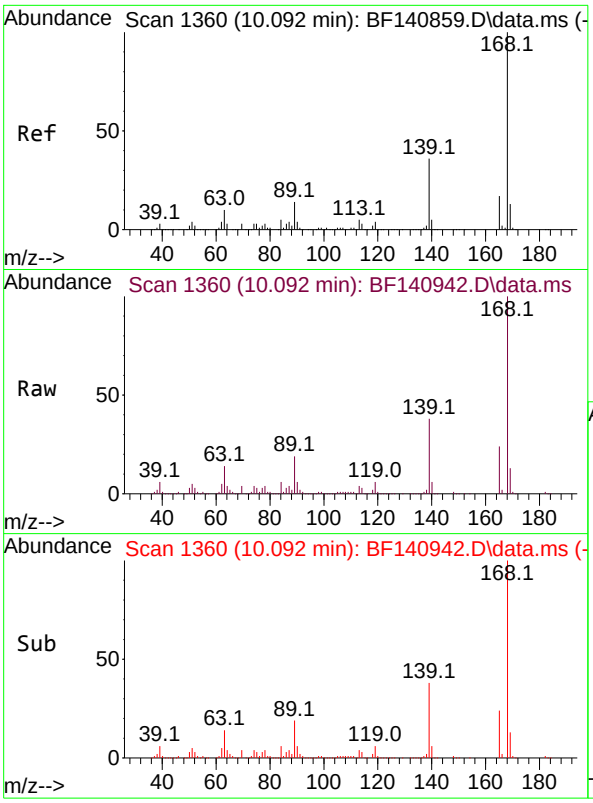



#54
2,4-Dinitrophenol
Concen: 36.272 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:184 Resp: 41330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 58.3 | 51.6 | 77.4 |
| 154 | 64.1 | 56.1 | 84.1 |

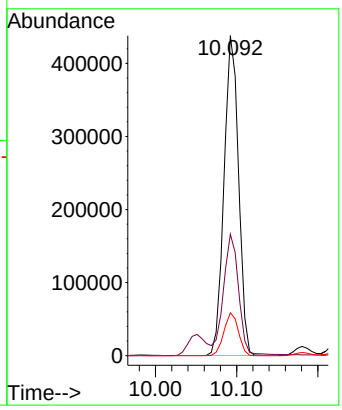





#55
Dibenzofuran
Concen: 38.012 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:168 Resp: 54597

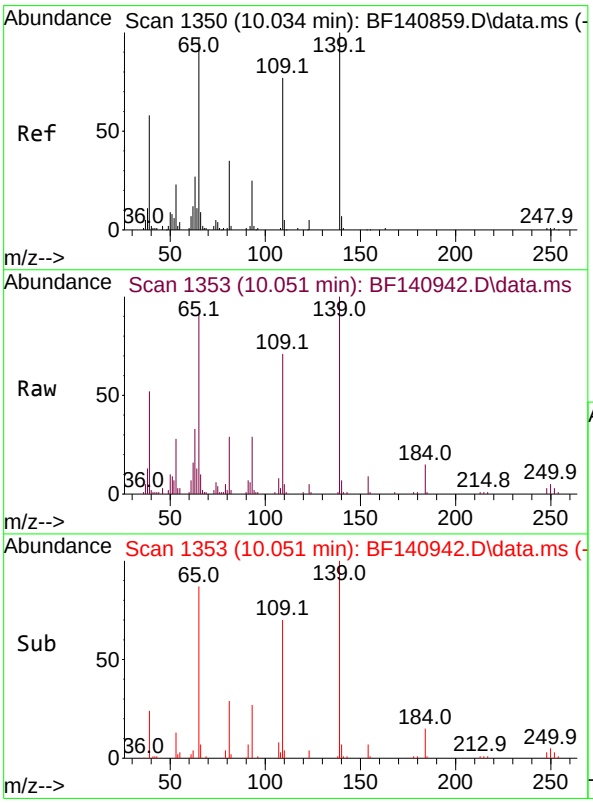
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 31.1 | 46.7 |
| 169 | 13.4 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

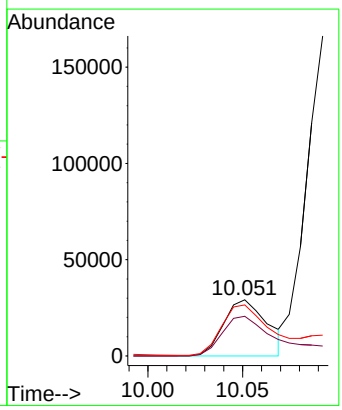
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

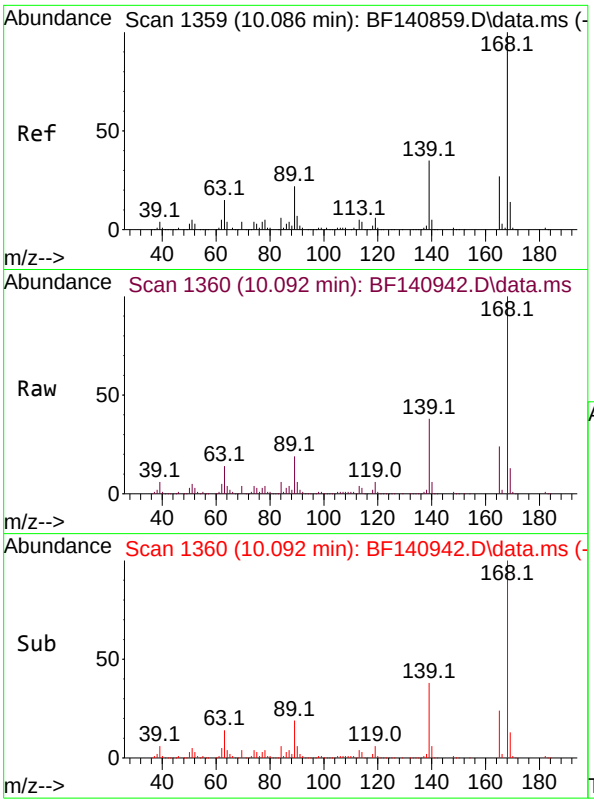



#56
4-Nitrophenol
Concen: 35.773 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:139 Resp: 46328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.9 | 56.7 | 96.7 |
| 65 | 91.1 | 78.1 | 118.1 |

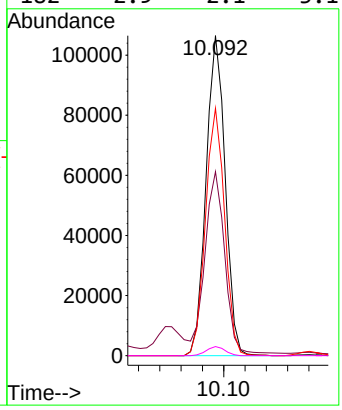





#57
2,4-Dinitrotoluene
Concen: 38.516 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:165 Resp: 13257

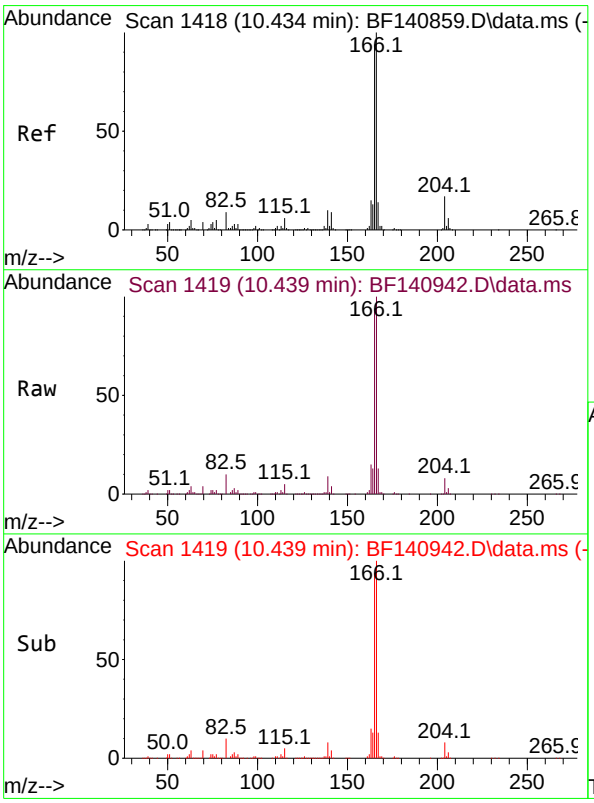
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.5 | 49.3 | 73.9 |
| 89 | 77.3 | 66.2 | 99.4 |
| 182 | 2.9 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

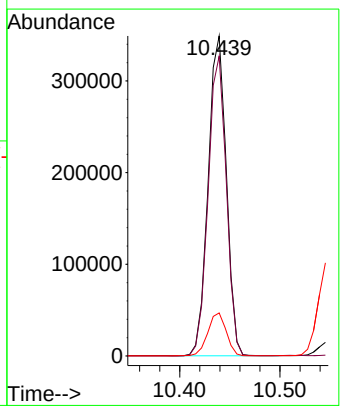
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

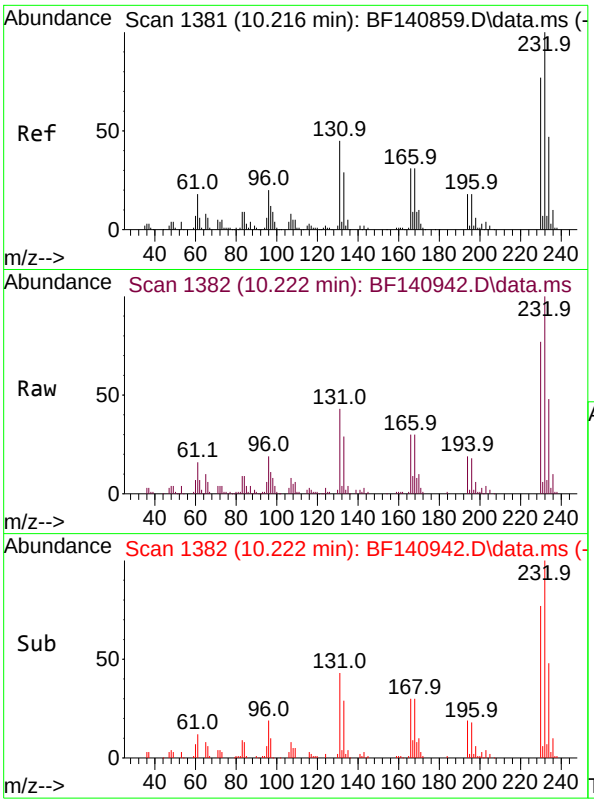



#58
Fluorene
Concen: 37.139 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:166 Resp: 440079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.7 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |






#59
2,3,4,6-Tetrachlorophenol
Concen: 37.214 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

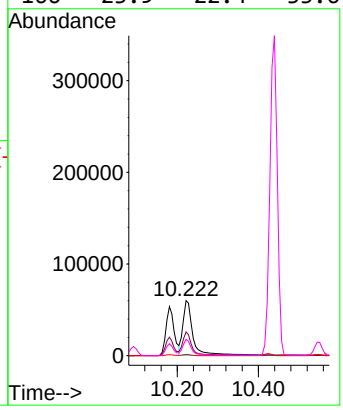
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

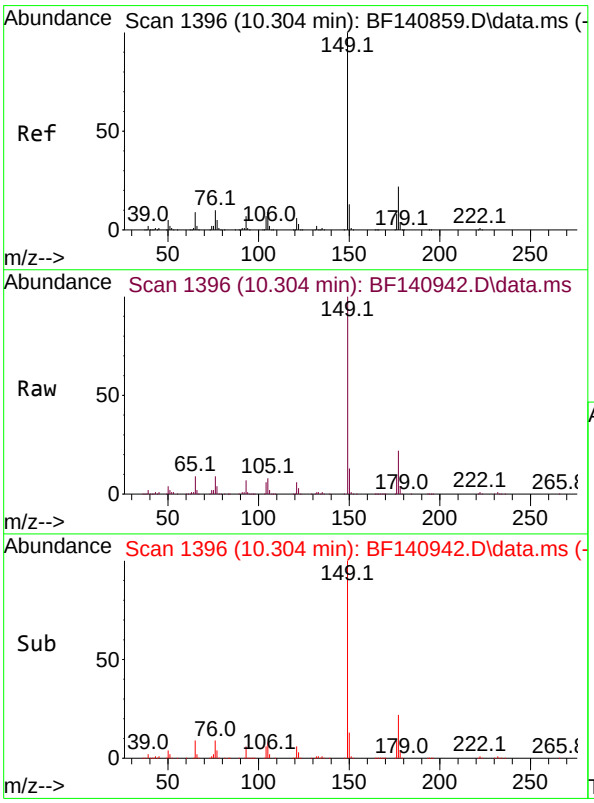
Tgt Ion:232 Resp: 10182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 37.8 | 35.1 | 52.7 |
| 130 | 1.9 | 1.8 | 2.8 |
| 166 | 23.9 | 22.4 | 33.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

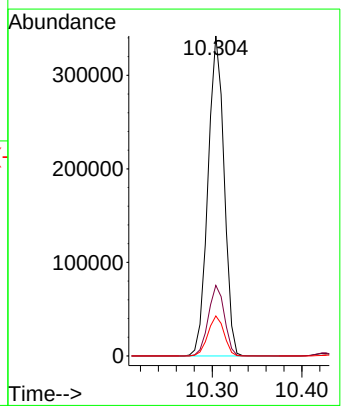


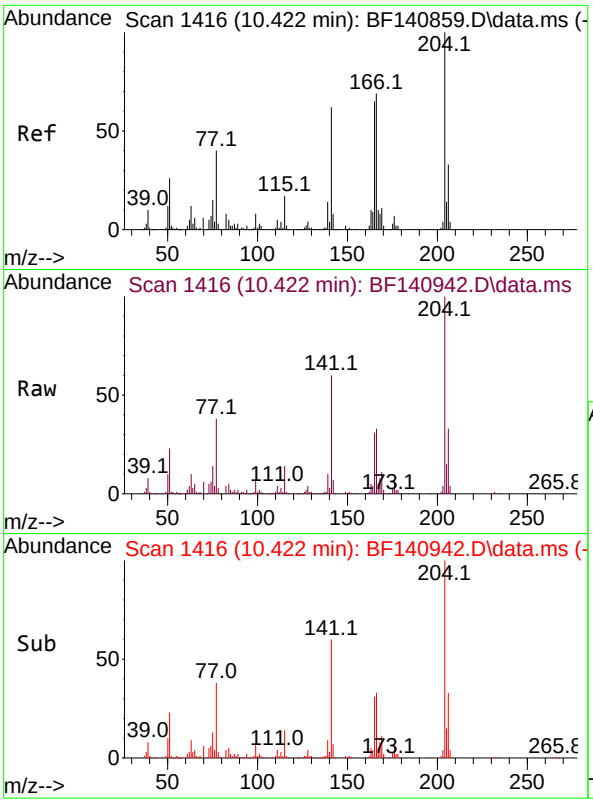




#60
Diethylphthalate
Concen: 35.936 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 426443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.0 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |






#61
4-Chlorophenyl-phenylether
Concen: 37.200 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

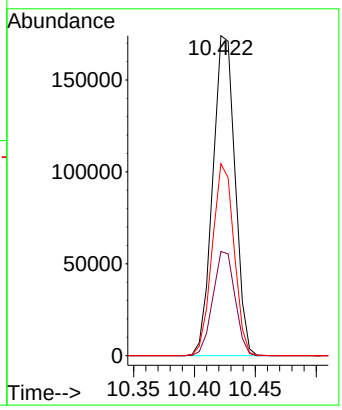
Tgt Ion:204 Resp: 22142

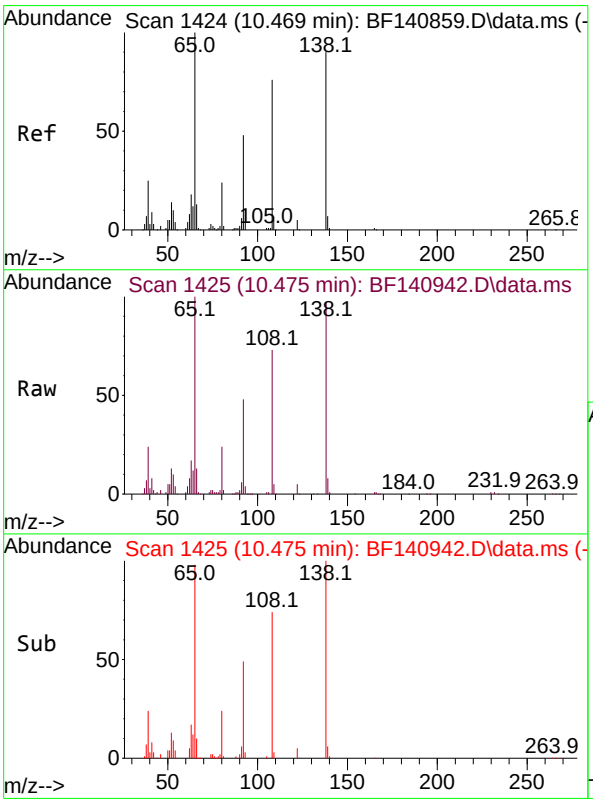
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 60.0 | 50.0 | 75.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

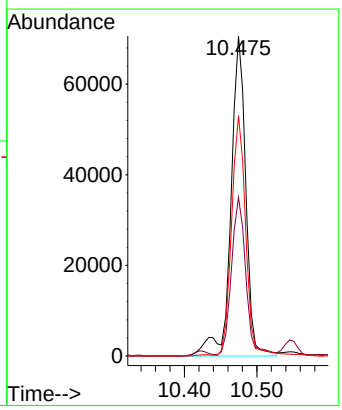


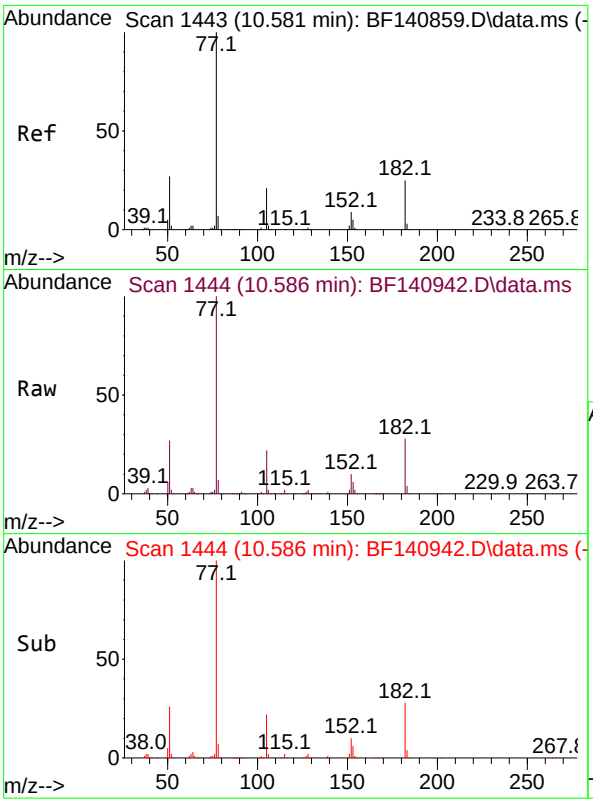




#62
4-Nitroaniline
Concen: 37.076 ng m
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:138 Resp: 100590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 32.6 | 72.6 |
| 108 | 75.1 | 64.1 | 104.1 |

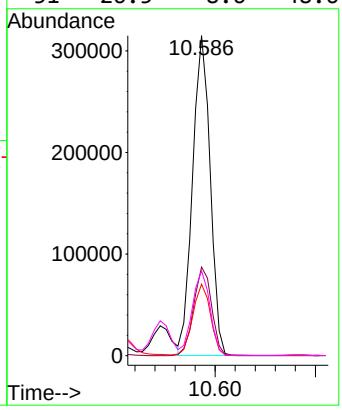





#63
Azobenzene
Concen: 34.454 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 77 Resp: 384375

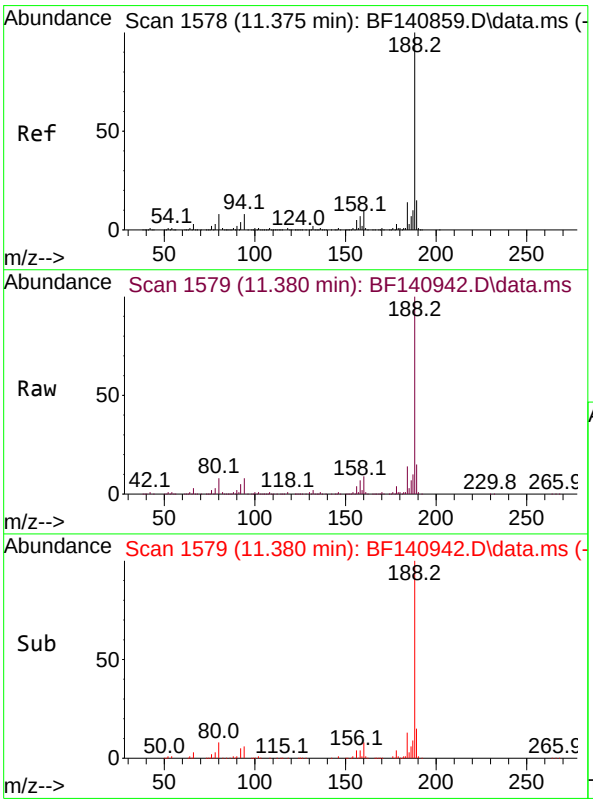
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.7 | 4.5 | 44.5 |
| 105 | 22.3 | 0.9 | 40.9 |
| 51 | 26.5 | 8.6 | 48.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

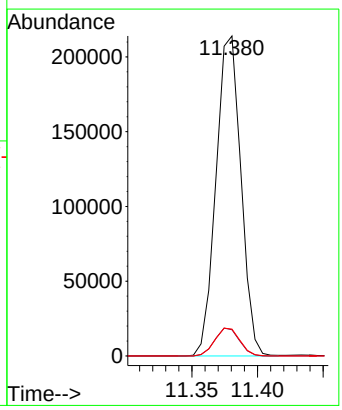
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

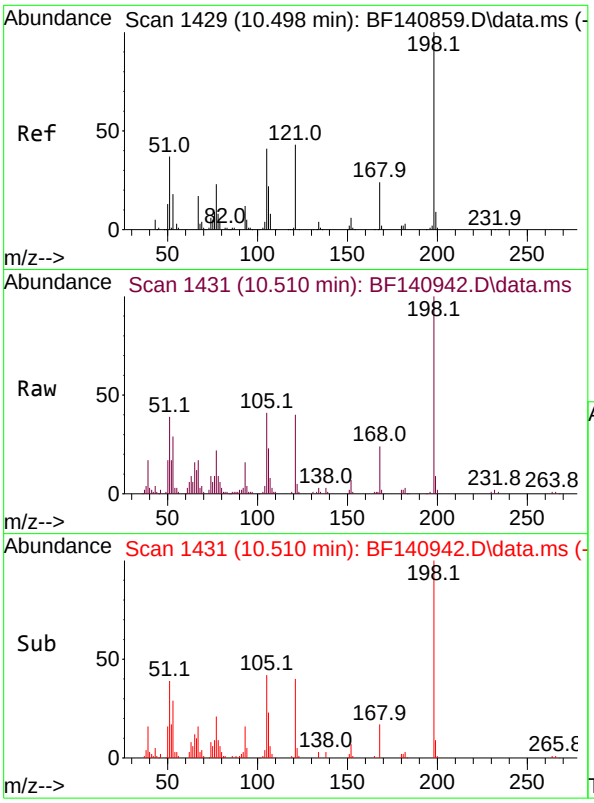



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:188 Resp: 282660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.4 | 9.6 |
| 80 | 8.4 | 6.8 | 10.2 |

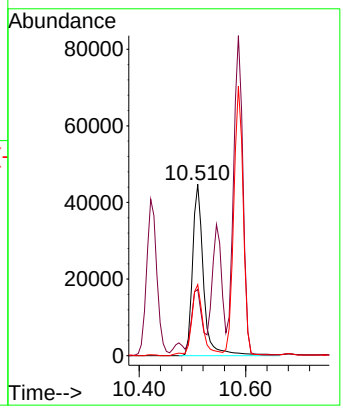





#65
4,6-Dinitro-2-methylphenol
Concen: 40.269 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:198 Resp: 6449

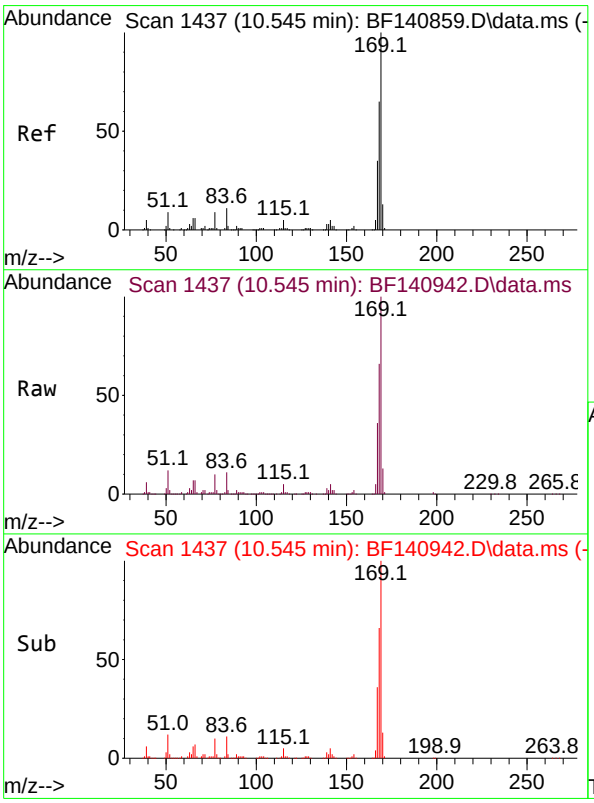
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 38.7 | 24.4 | 64.4 |
| 105 | 41.5 | 22.1 | 62.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

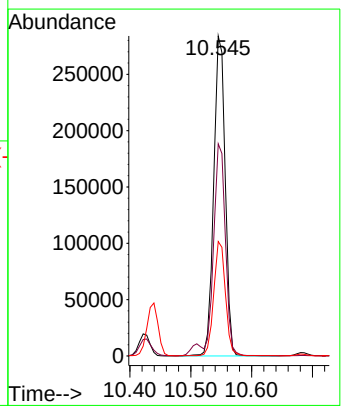
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

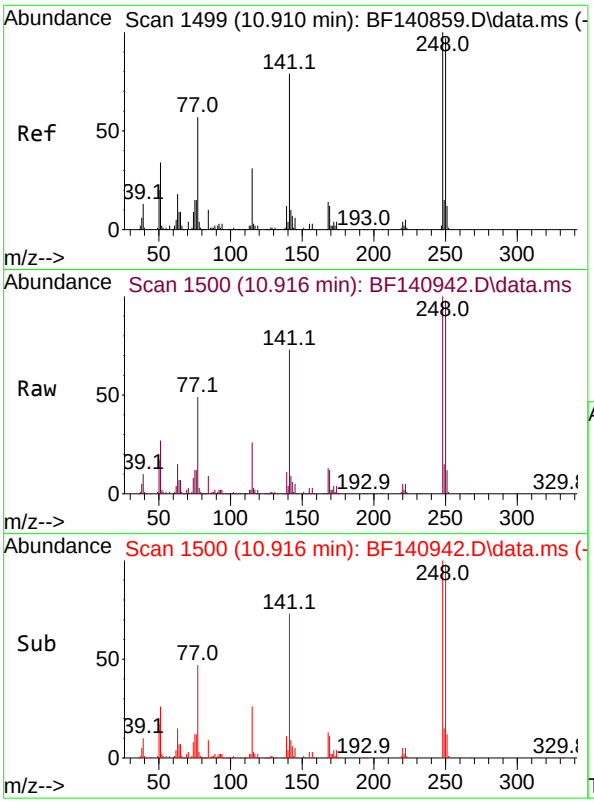



#66
n-Nitrosodiphenylamine
Concen: 42.748 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:169 Resp: 371501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.4 | 80.0 |
| 167 | 35.8 | 28.3 | 42.5 |

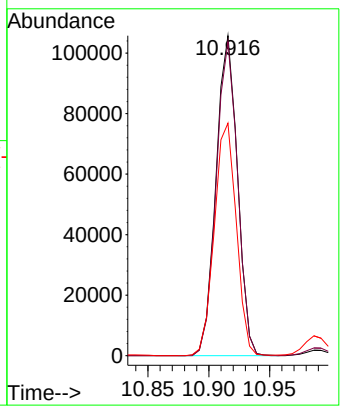





#67
4-Bromophenyl-phenylether
Concen: 41.055 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:248 Resp: 12982

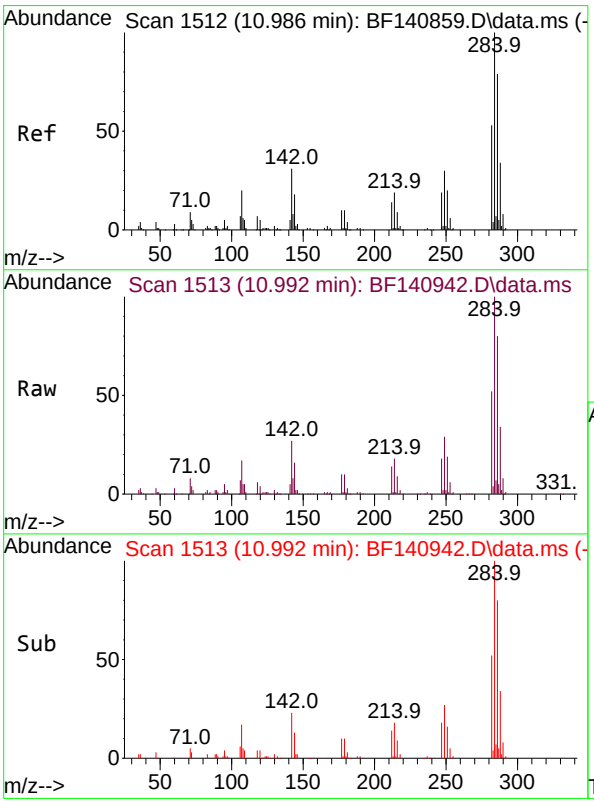
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 77.4 | 116.2 |
| 141 | 72.6 | 62.9 | 94.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

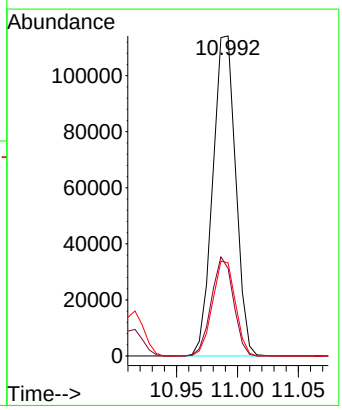
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

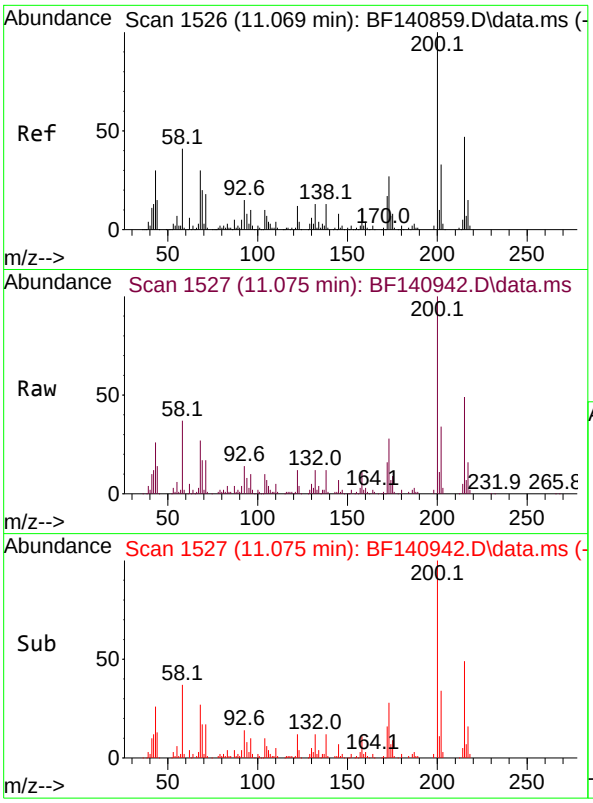



#68
Hexachlorobenzene
Concen: 41.697 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:284 Resp: 149493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 27.4 | 24.6 | 36.8 |
| 249 | 29.1 | 24.3 | 36.5 |






#69
Atrazine
Concen: 33.453 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

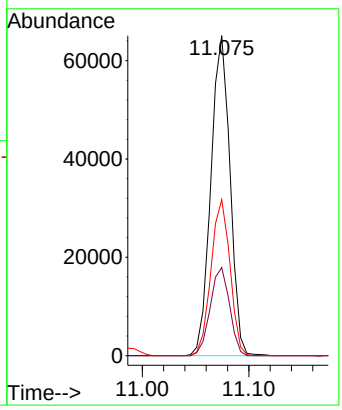
Tgt Ion:200 Resp: 8119

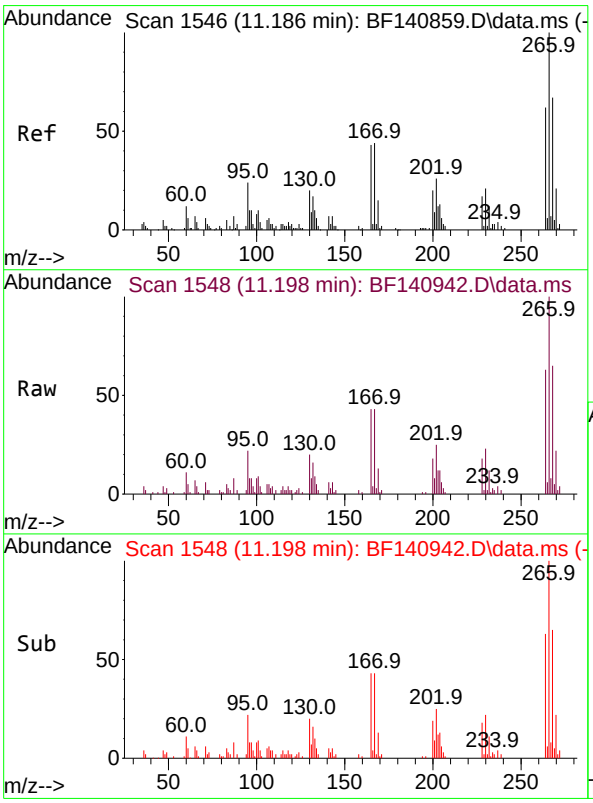
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 6.6 | 46.6 |
| 215 | 48.8 | 26.7 | 66.7 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

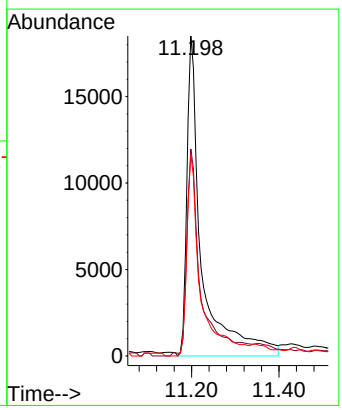


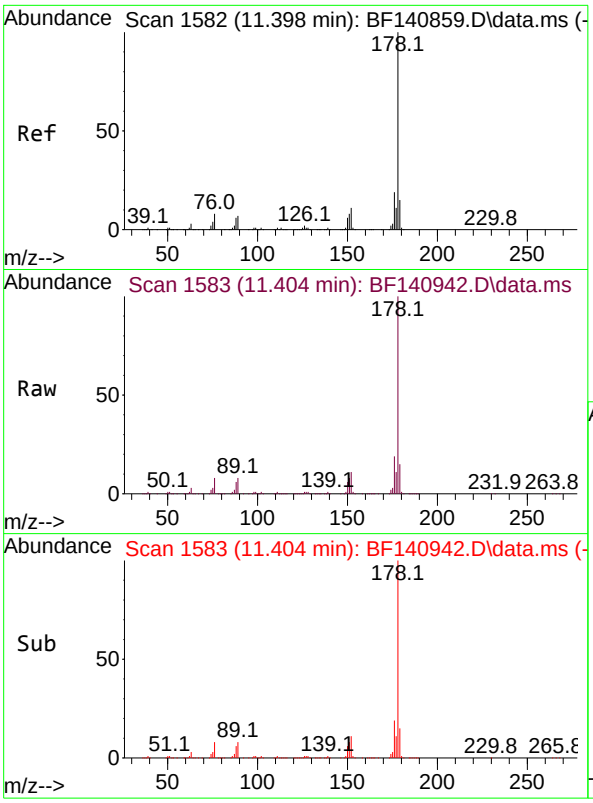




#70
Pentachlorophenol
Concen: 33.287 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:266 Resp: 43633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 54.0 | 81.0 |
| 264 | 63.0 | 49.4 | 74.2 |

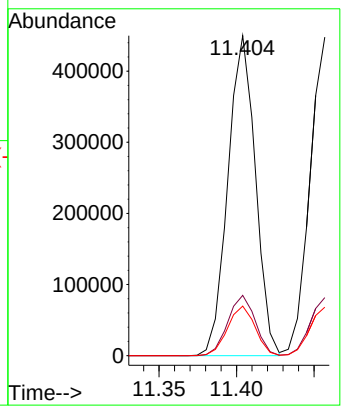





#71
Phenanthrene
Concen: 38.164 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

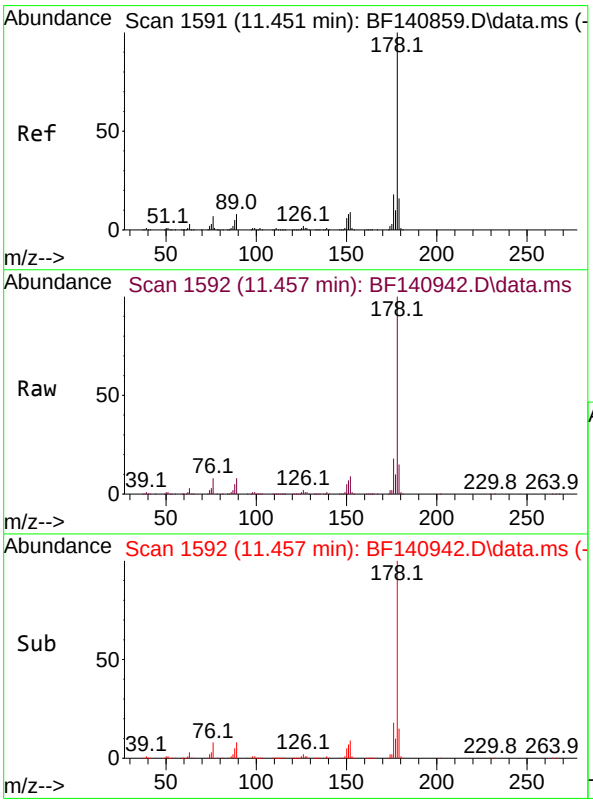
Tgt Ion:178 Resp: 55474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.5 | 12.1 | 18.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

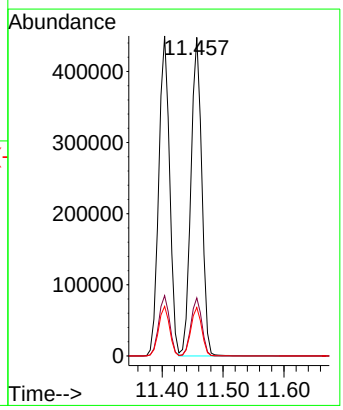
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

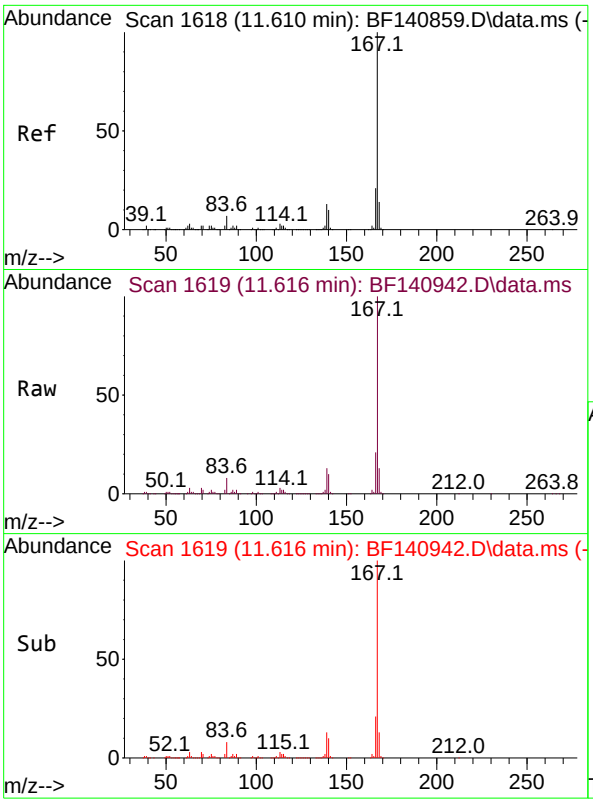



#72
Anthracene
Concen: 38.826 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:178 Resp: 555785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 22.0 |
| 179 | 15.2 | 12.6 | 18.8 |

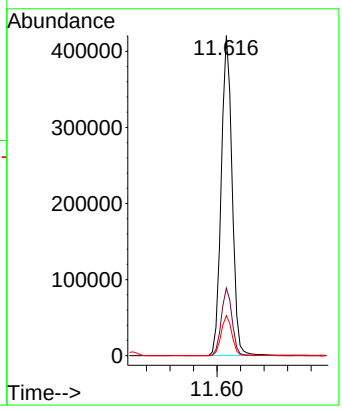





#73
Carbazole
Concen: 38.449 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:167 Resp: 53909

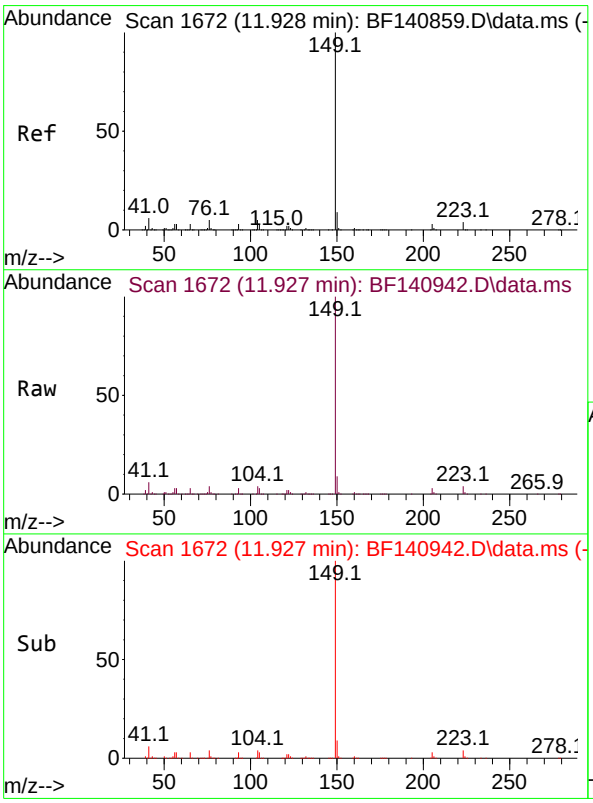
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 17.0 | 25.6 |
| 139 | 12.5 | 10.2 | 15.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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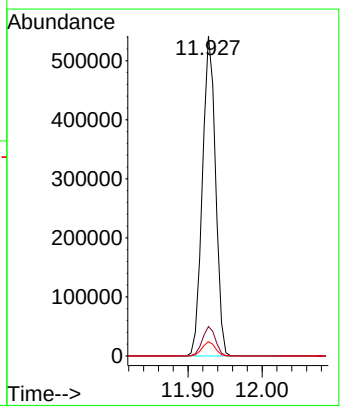
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

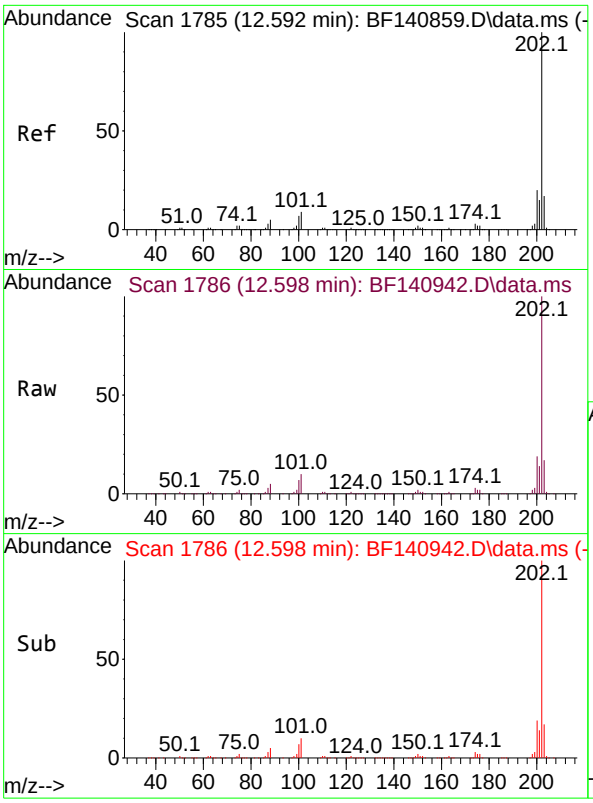



#74
Di-n-butylphthalate
Concen: 40.470 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 665945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.5 | 3.8 | 5.8 |

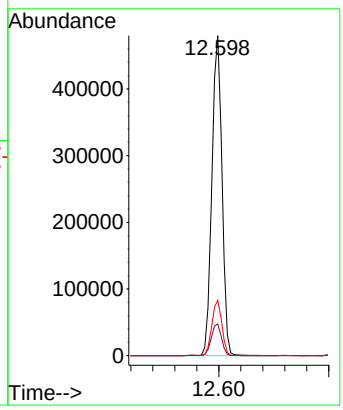





#75
Fluoranthene
Concen: 36.586 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:202 Resp: 61245

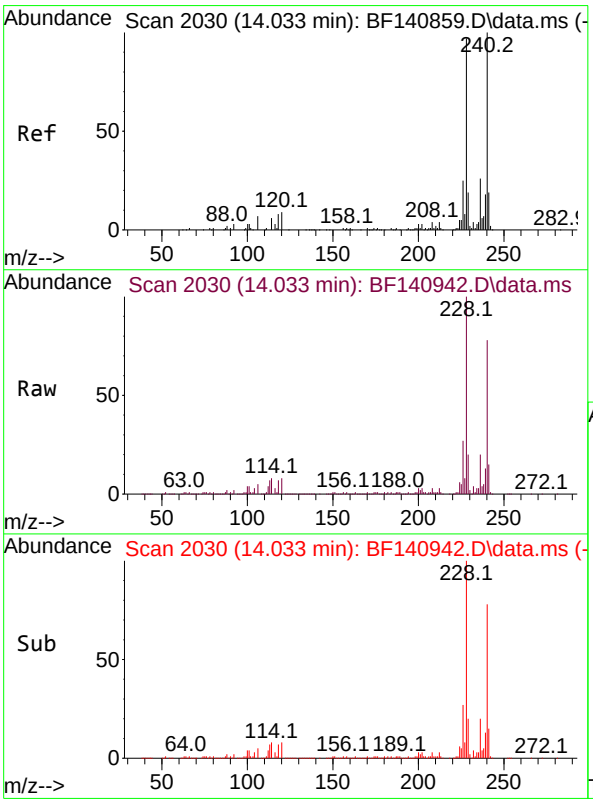
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 29.3 |
| 203 | 17.3 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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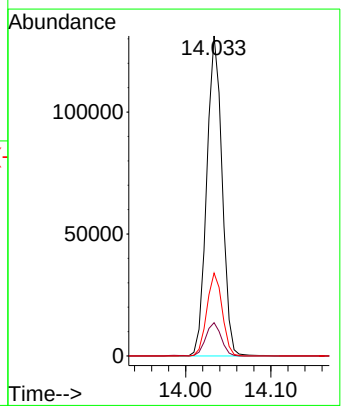
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

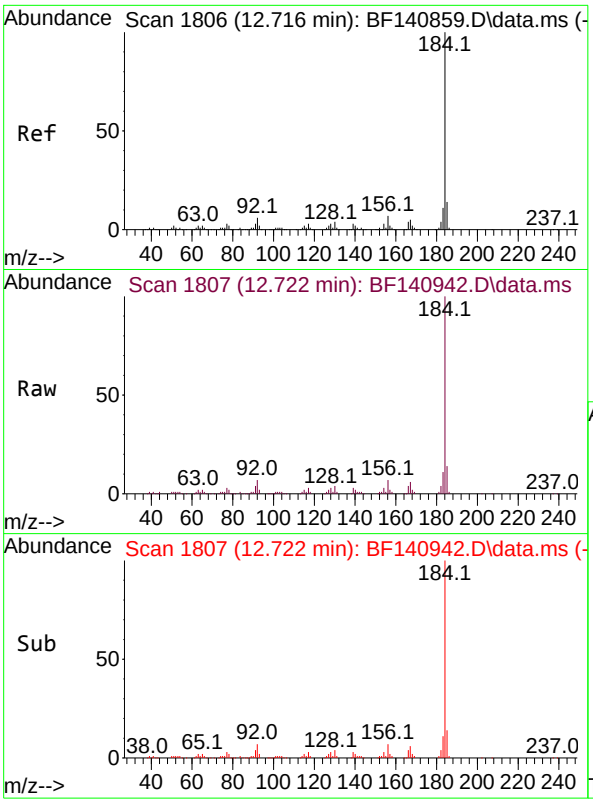



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:240 Resp: 164316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 7.6 | 11.4 |
| 236 | 25.9 | 20.5 | 30.7 |

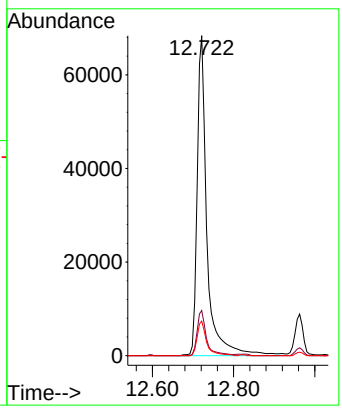





#77
Benzidine
Concen: 34.399 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:184 Resp: 11536

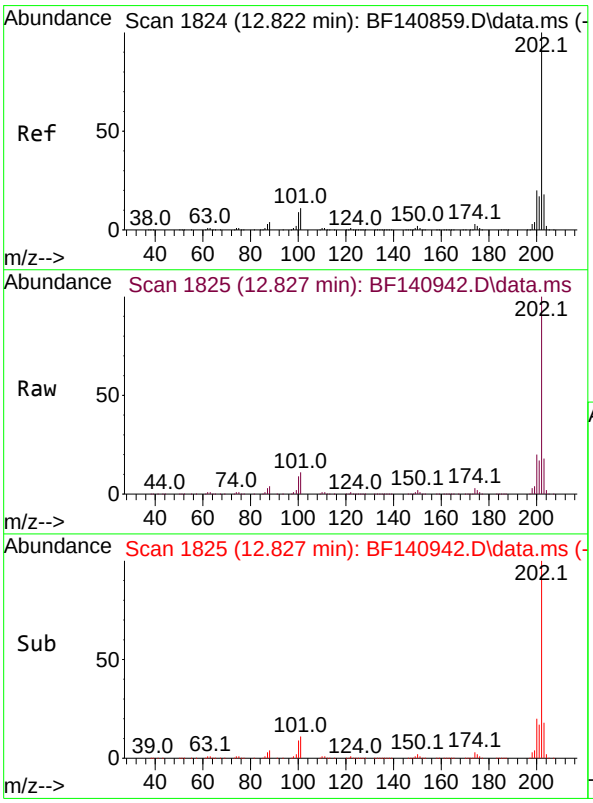
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 10.8 | 9.0 | 13.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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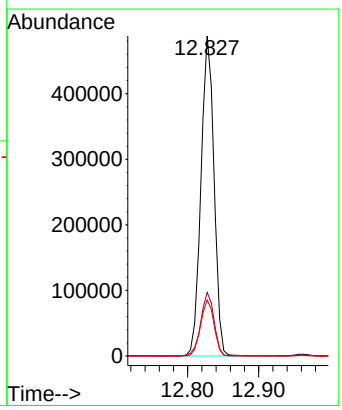
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

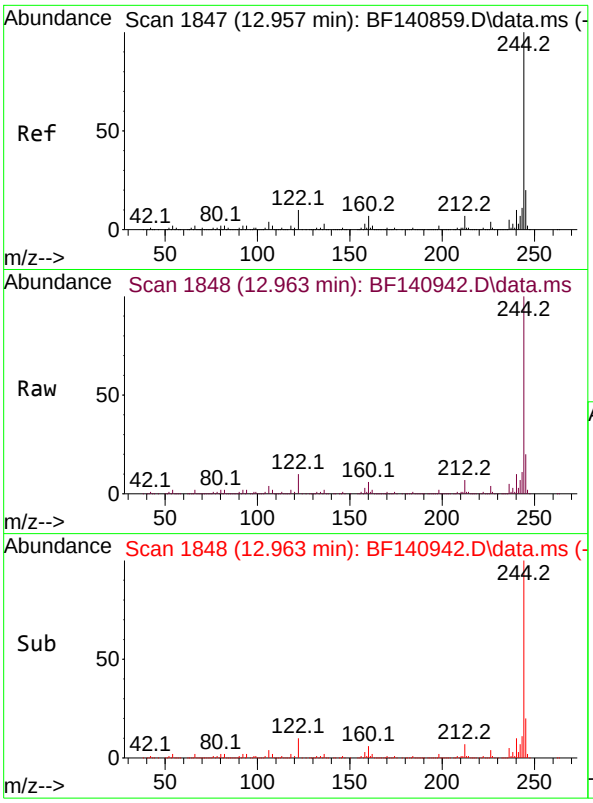



#78
Pyrene
Concen: 42.817 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:202 Resp: 625636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 16.1 | 24.1 |
| 203 | 17.6 | 14.2 | 21.4 |

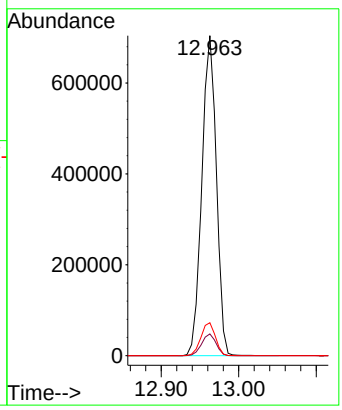





#79
Terphenyl-d14
Concen: 87.865 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:244 Resp: 91559

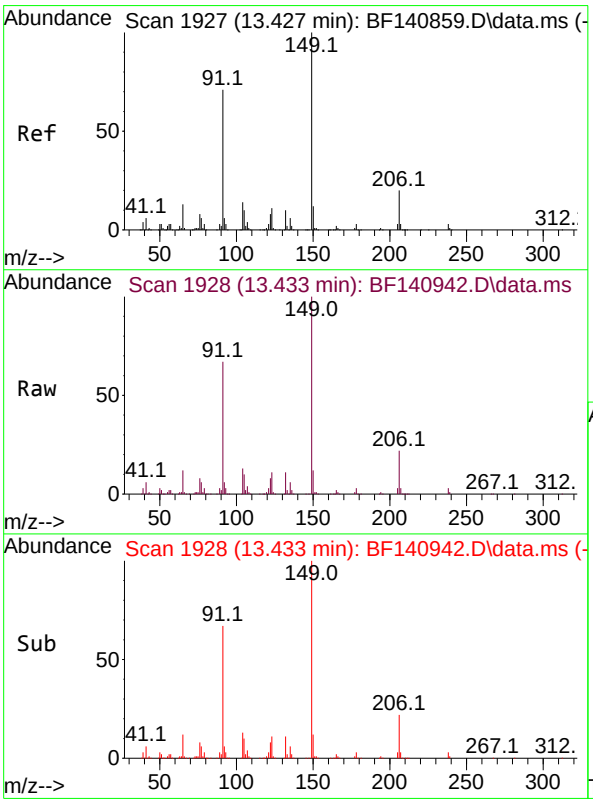
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 10.3 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

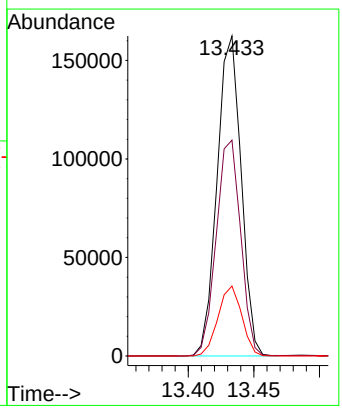
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

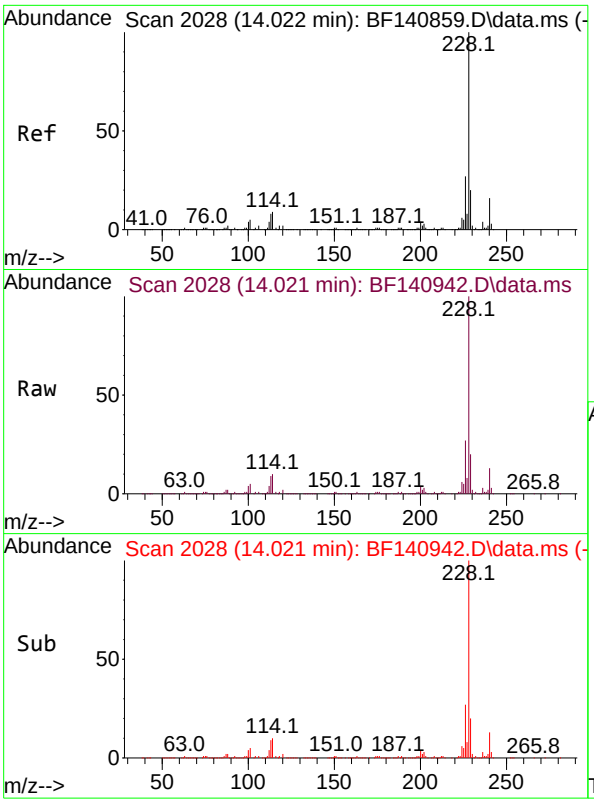



#80
Butylbenzylphthalate
Concen: 38.545 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 207238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.4 | 56.7 | 85.1 |
| 206 | 21.8 | 16.4 | 24.6 |

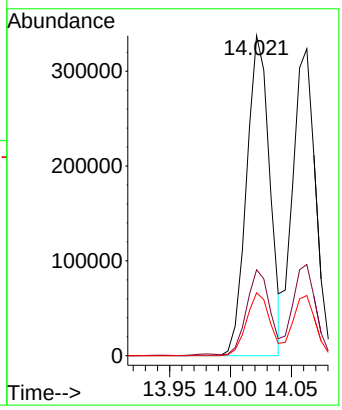





#81
Benzo(a)anthracene
Concen: 38.254 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

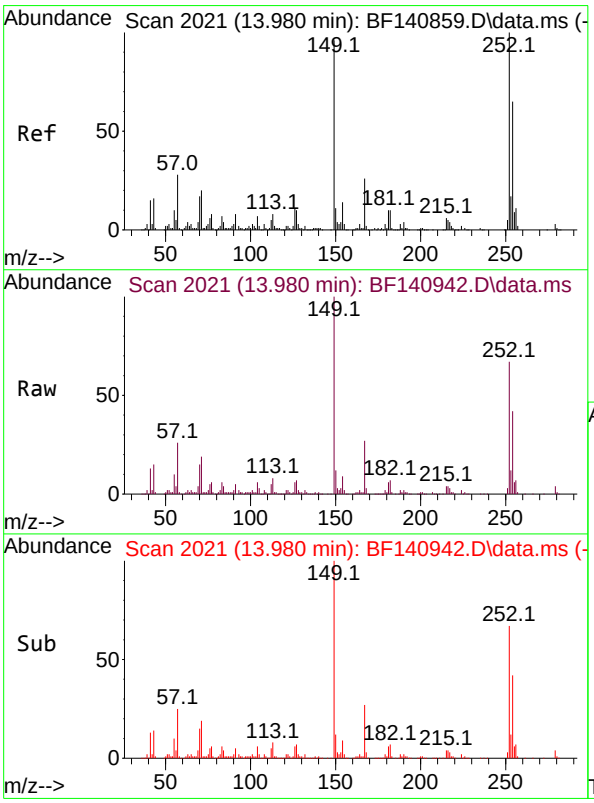
Tgt Ion:228 Resp: 44549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

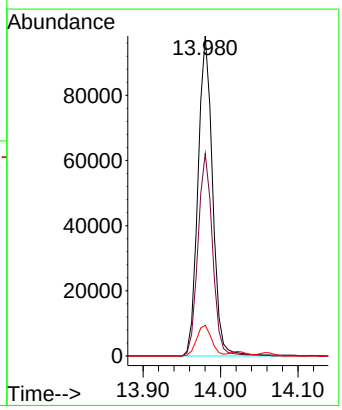
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

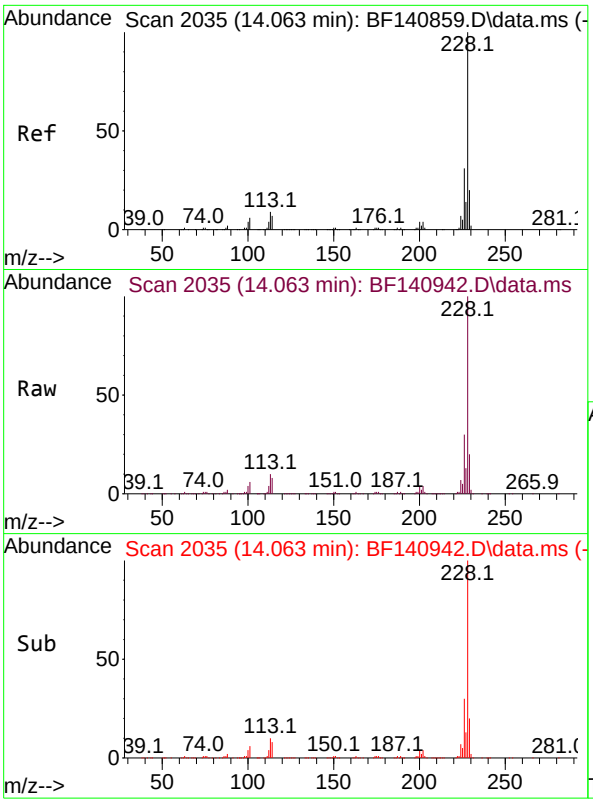



#82
3,3'-Dichlorobenzidine
Concen: 36.483 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 128185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.3 | 52.3 | 78.5 |
| 126 | 9.6 | 8.4 | 12.6 |






#83
Chrysene
Concen: 39.695 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

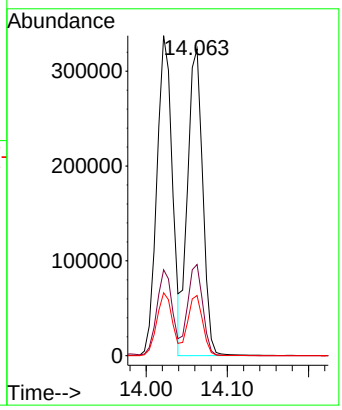
Tgt Ion:228 Resp: 42036

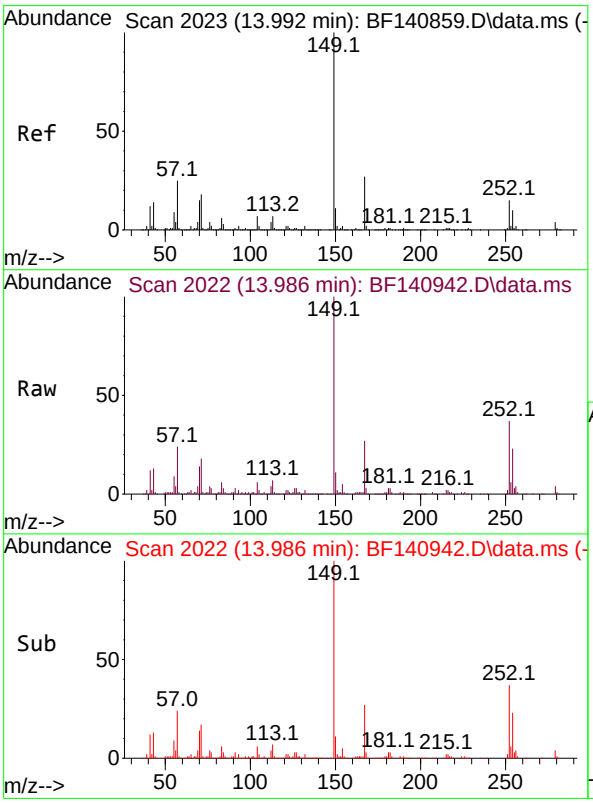
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

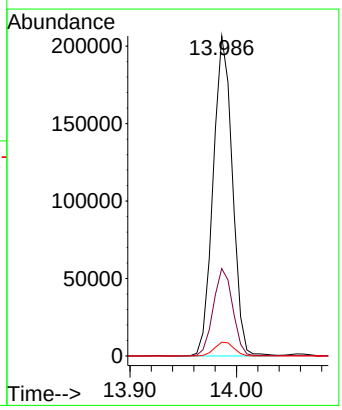


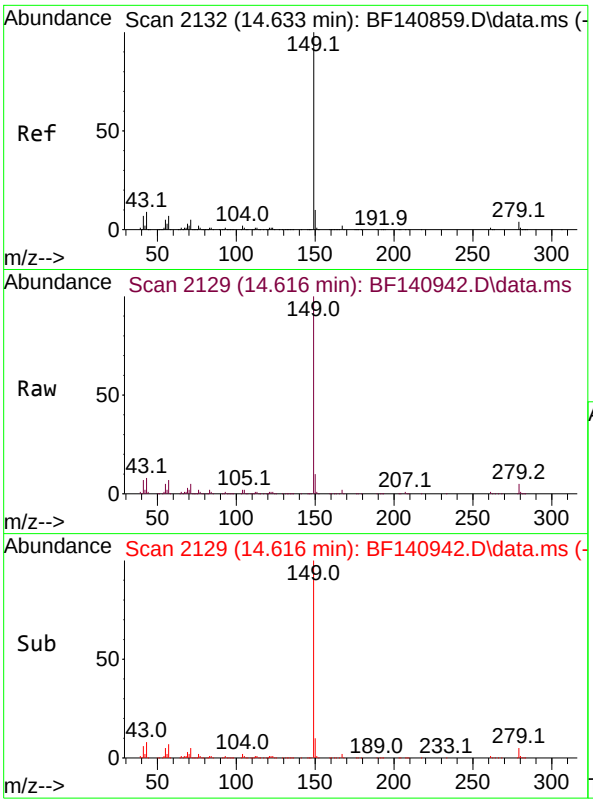




#84
Bis(2-ethylhexyl)phthalate
Concen: 37.409 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 259339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |

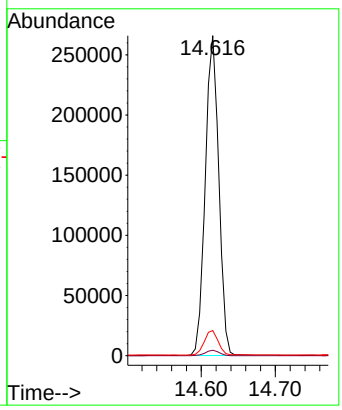





#85
Di-n-octyl phthalate
Concen: 32.062 ng
RT: 14.616 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 33627

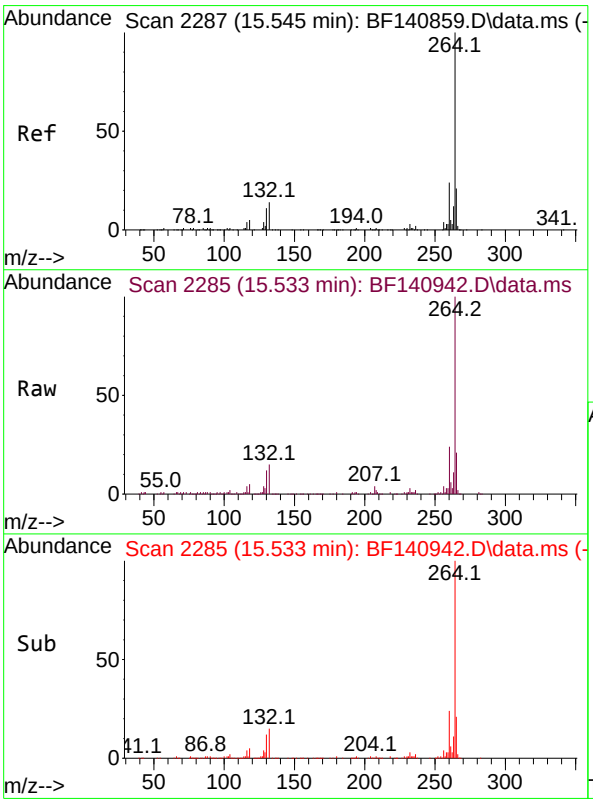
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 8.1 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

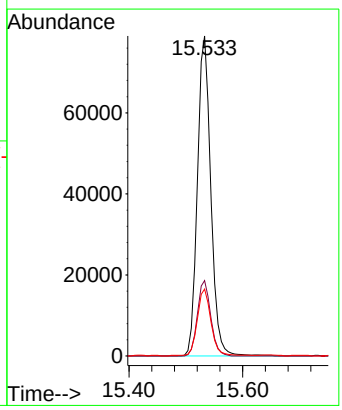
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

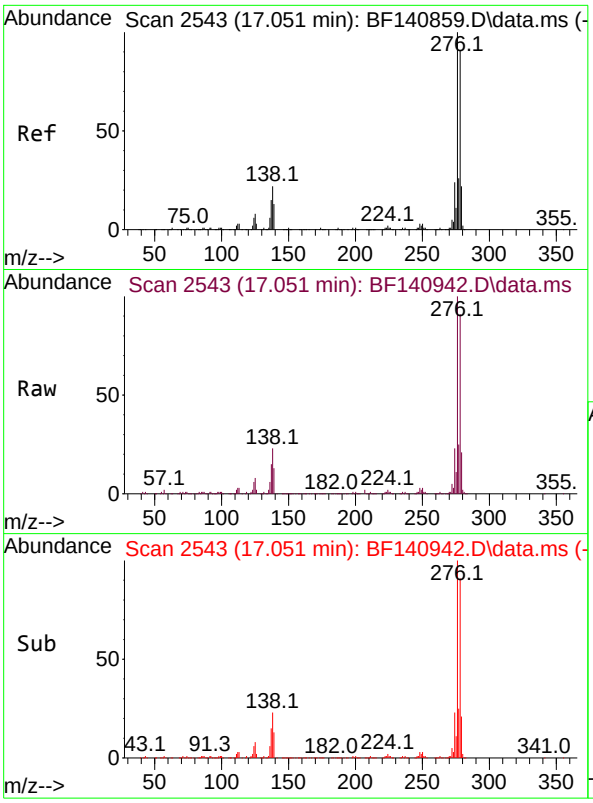



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:264 Resp: 129329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.1 | 28.7 |
| 265 | 20.9 | 17.0 | 25.4 |

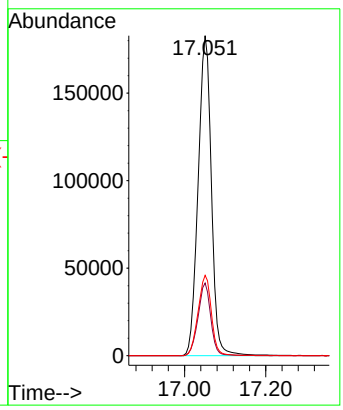





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.437 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:276 Resp: 41512

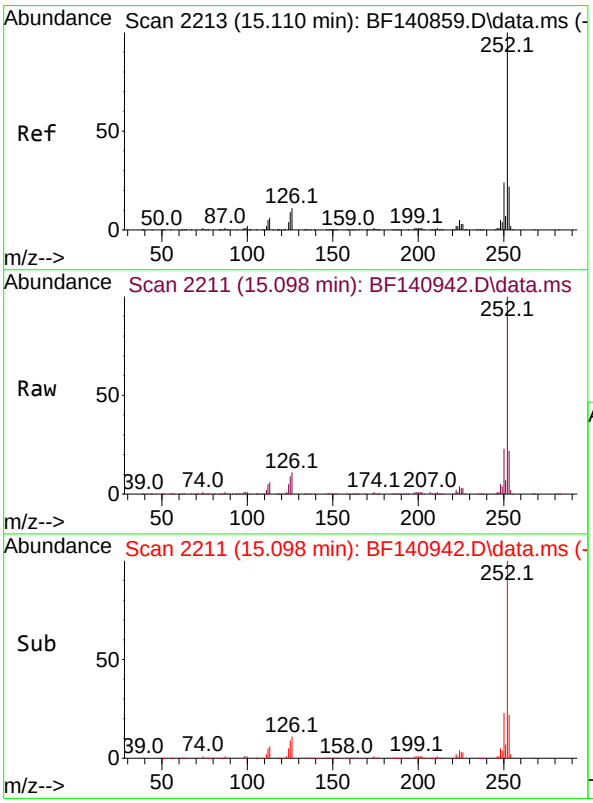
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 16.9 | 25.3 |
| 277 | 25.2 | 20.2 | 30.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

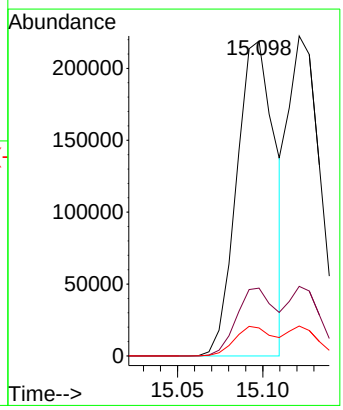
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

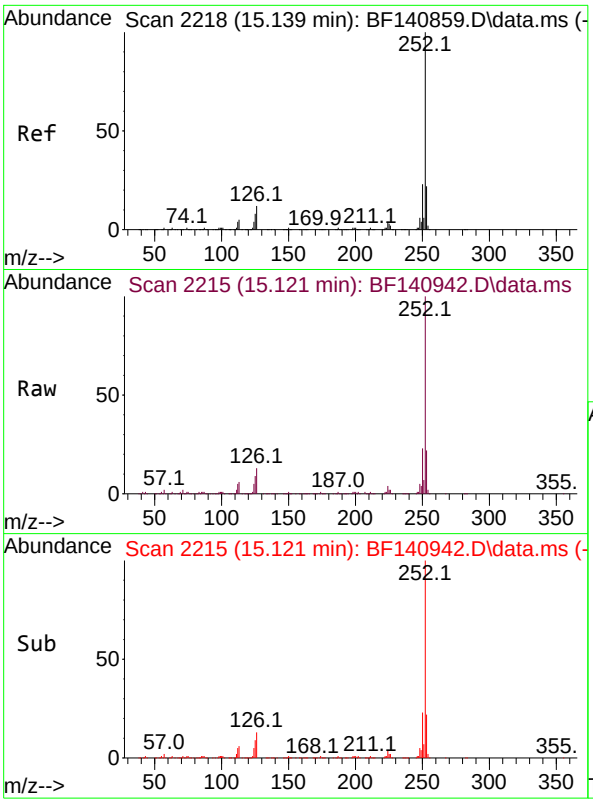



#88
Benzo(b)fluoranthene
Concen: 38.004 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 341178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |






#89
Benzo(k)fluoranthene
Concen: 37.736 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

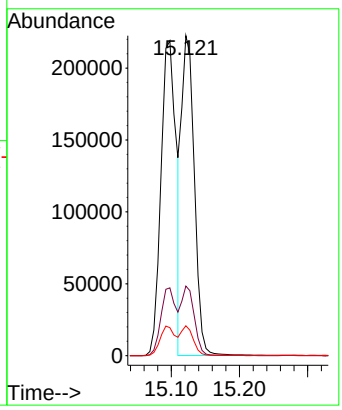
Tgt Ion:252 Resp: 29059

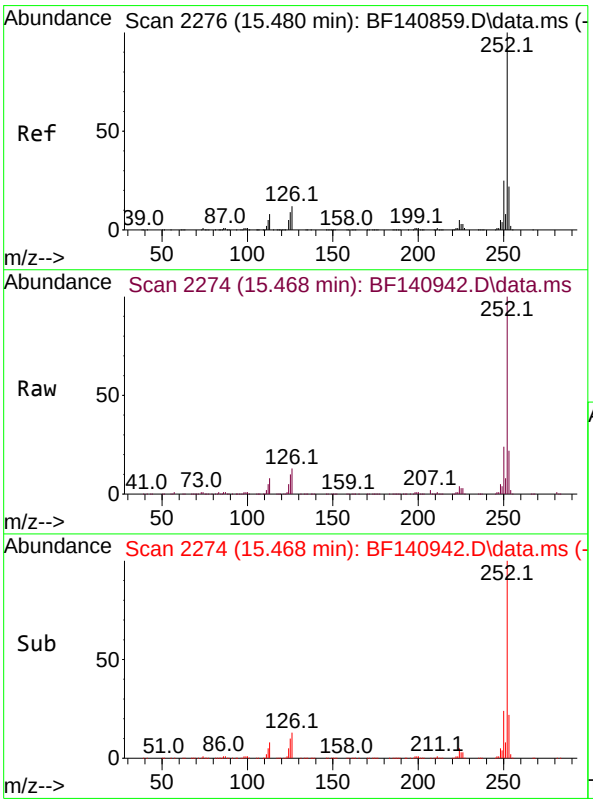
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.3 | 6.8 | 10.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

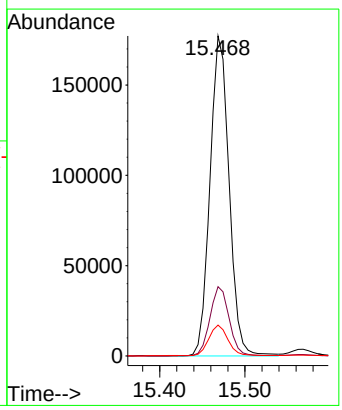


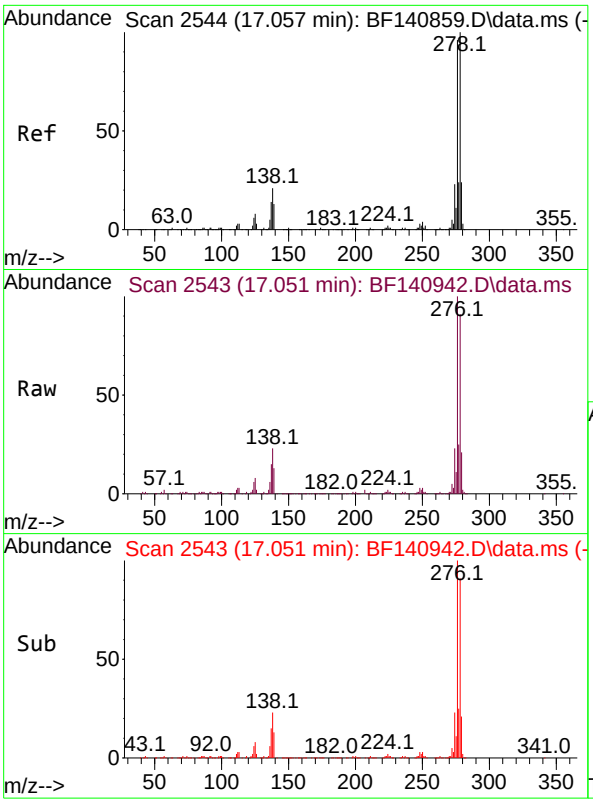




#90
Benzo(a)pyrene
Concen: 39.241 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 275845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.6 | 7.5 | 11.3 |

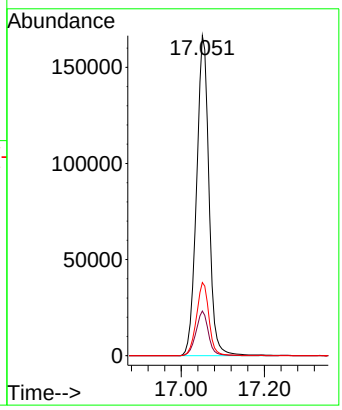





#91
Dibenzo(a,h)anthracene
Concen: 51.627 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

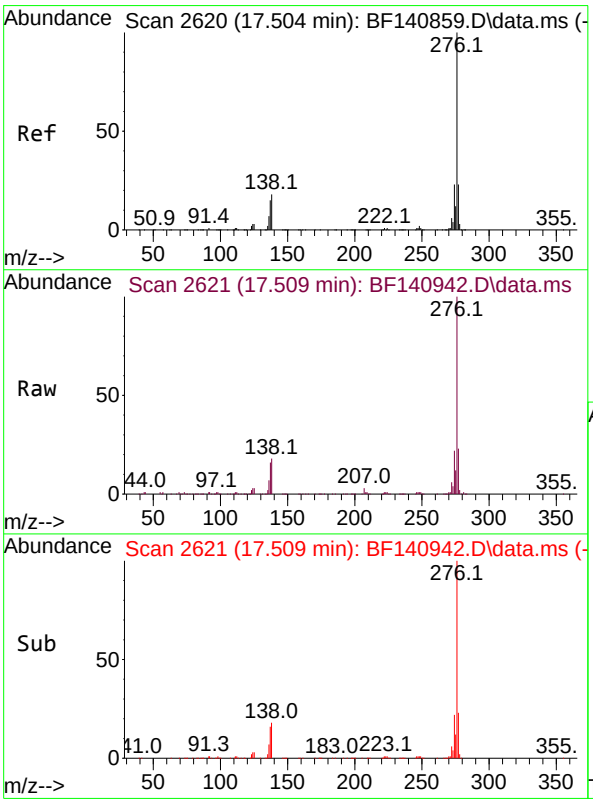
Tgt Ion:278 Resp: 34518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.9 | 10.6 | 16.0 |
| 279 | 22.9 | 19.2 | 28.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

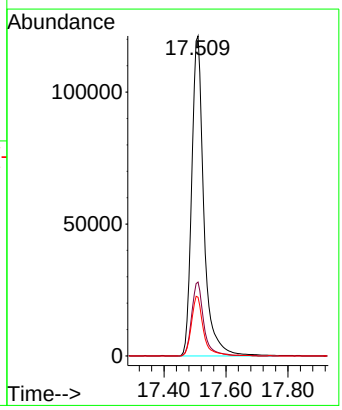
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024




#92
Benzo(g,h,i)perylene
Concen: 48.503 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:276 Resp: 330062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.7 | 28.1 |
| 138 | 18.4 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.523 | 0.501 | 4.2 | 96 | 0.00 |
| 3 | | Pyridine | 1.212 | 1.180 | 2.6 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.611 | 0.543 | 11.1 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.215 | 1.104 | 9.1 | 89 | 0.00 |
| 6 | | Aniline | 1.376 | 1.285 | 6.6 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 1.609 | 1.494 | 7.1 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.325 | 1.292 | 2.5 | 96 | 0.00 |
| 9 | | Benzaldehyde | 0.892 | 0.796 | 10.8 | 89 | 0.00 |
| 10 | C | Phenol | 1.668 | 1.561 | 6.4 | 92 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.244 | 1.156 | 7.1 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.510 | 1.475 | 2.3 | 97 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.532 | 1.470 | 4.0 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.446 | 1.394 | 3.6 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 1.151 | 1.079 | 6.3 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.465 | 1.317 | 10.1 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 1.058 | 1.007 | 4.8 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.570 | 0.521 | 8.6 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.965 | 0.859 | 11.0 | 90 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.403 | 1.351 | 3.7 | 96 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.486 | 2.8 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.400 | 0.385 | 3.8 | 91 | 0.00 |
| 24 | | Nitrobenzene | 0.410 | 0.382 | 6.8 | 88 | 0.00 |
| 25 | | Isophorone | 0.670 | 0.637 | 4.9 | 91 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.198 | -4.8 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.220 | 0.222 | -0.9 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.406 | 2.9 | 90 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.299 | 1.6 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.349 | 0.346 | 0.9 | 94 | 0.00 |
| 31 | | Naphthalene | 1.099 | 1.079 | 1.8 | 93 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.181 | 13.4 | 79 | 0.01 |
| 33 | | 4-Chloroaniline | 0.365 | 0.358 | 1.9 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.235 | 0.225 | 4.3 | 89 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.084 | 7.7 | 86 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.342 | 0.320 | 6.4 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.727 | 0.696 | 4.3 | 89 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.719 | 0.679 | 5.6 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.574 | 6.7 | 90 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.153 | 0.117 | 23.5 | 75 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.237 | 0.214 | 9.7 | 81 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.341 | 9.3 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.414 | 0.369 | 10.9 | 84 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.455 | 1.340 | 7.9 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.590 | 1.490 | 6.3 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.217 | 1.152 | 5.3 | 89 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 0.367 | 0.325 | 11.4 | 82 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.741 | 2.6 | 91 | 0.00 |
| 50 | | Dimethylphthalate | 1.410 | 1.310 | 7.1 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.318 | 1.2 | 92 | 0.00 |
| 52 | C | Acenaphthene | 1.142 | 1.107 | 3.1 | 90 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.316 | 1.3 | 91 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.132 | 0.127 | 3.8 | 86 | 0.01 |
| 55 | | Dibenzofuran | 1.770 | 1.682 | 5.0 | 88 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.150 | 0.143 | 4.7 | 78 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.424 | 0.408 | 3.8 | 88 | 0.00 |
| 58 | | Fluorene | 1.460 | 1.356 | 7.1 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.337 | 0.314 | 6.8 | 80 | 0.00 |
| 60 | | Diethylphthalate | 1.462 | 1.314 | 10.1 | 83 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.733 | 0.682 | 7.0 | 86 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.310 | 7.2 | 83 | 0.00 |
| 63 | | Azobenzene | 1.375 | 1.184 | 13.9 | 78 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.114 | -0.9 | 76 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.615 | 0.657 | -6.8 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.230 | -2.7 | 82 | 0.00 |
| 68 | | Hexachlorobenzene | 0.254 | 0.264 | -3.9 | 84 | 0.00 |
| 69 | | Atrazine | 0.172 | 0.144 | 16.3 | 67 | 0.00 |
| 70 | C | Pentachlorophenol | 0.093 | 0.077 | 17.2 | 62 | 0.01 |
| 71 | | Phenanthrene | 1.028 | 0.981 | 4.6 | 78 | 0.00 |
| 72 | | Anthracene | 1.013 | 0.983 | 3.0 | 79 | 0.00 |
| 73 | | Carbazole | 0.992 | 0.954 | 3.8 | 78 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.164 | 1.178 | -1.2 | 82 | 0.00 |
| 75 | C | Fluoranthene | 1.184 | 1.083 | 8.5 | 75 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 68 | 0.00 |
| 77 | | Benzidine | 0.408 | 0.351 | 14.0 | 59 | 0.00 |
| 78 | | Pyrene | 1.779 | 1.904 | -7.0 | 76 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.268 | 1.393 | -9.9 | 79 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.654 | 0.631 | 3.5 | 67 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.417 | 1.356 | 4.3 | 68 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.428 | 0.390 | 8.9 | 65 | 0.00 |
| 83 | | Chrysene | 1.289 | 1.279 | 0.8 | 69 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.844 | 0.789 | 6.5 | 65 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.277 | 1.023 | 19.9 | 57 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 64 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.248 | 1.605 | -28.6# | 81 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.388 | 1.319 | 5.0 | 65 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.191 | 1.123 | 5.7 | 59 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.066 | 1.9 | 63 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.034 | 1.335 | -29.1# | 80 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.052 | 1.276 | -21.3 | 76 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.331 | 4.2 | 96 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.939 | 2.7 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.583 | 11.0 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 72.726 | 9.1 | 89 | 0.00 |
| 6 | | Aniline | 40.000 | 37.347 | 6.6 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.251 | 7.2 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.996 | 2.5 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.692 | 10.8 | 89 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.438 | 6.4 | 92 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.188 | 7.0 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.082 | 2.3 | 97 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.376 | 4.1 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.575 | 3.6 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.495 | 6.3 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.963 | 10.1 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.095 | 4.8 | 93 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.502 | 8.7 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.587 | 11.0 | 90 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.521 | 3.7 | 96 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.835 | 2.9 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.004 | 3.7 | 91 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.305 | 6.7 | 88 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.063 | 4.8 | 91 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.913 | -4.8 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.254 | -0.6 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.864 | 2.8 | 90 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.361 | 1.6 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.649 | 0.9 | 94 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.270 | 1.8 | 93 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.606 | 13.5 | 79 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.228 | 1.9 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.289 | 4.3 | 89 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.061 | 7.3 | 86 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.361 | 6.6 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.282 | 4.3 | 89 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.761 | 5.6 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.349 | 6.6 | 90 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 34.773 | 13.1 | 75 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 72.531 | 9.3 | 81 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 36.226 | 9.4 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 35.638 | 10.9 | 84 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 73.670 | 7.9 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.480 | 6.3 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.889 | 5.3 | 89 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 35.406 | 11.5 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.943 | 2.6 | 91 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.159 | 7.1 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.451 | 1.4 | 92 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.772 | 3.1 | 90 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.535 | 1.2 | 91 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.272 | 9.3 | 86 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.012 | 5.0 | 88 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 35.773 | 10.6 | 78 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.516 | 3.7 | 88 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.139 | 7.2 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.214 | 7.0 | 80 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 35.936 | 10.2 | 83 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.200 | 7.0 | 86 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.076 | 7.3 | 83 | 0.00 |
| 63 | | Azobenzene | 40.000 | 34.454 | 13.9 | 78 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.269 | -0.7 | 76 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.748 | -6.9 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.055 | -2.6 | 82 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.697 | -4.2 | 84 | 0.00 |
| 69 | | Atrazine | 40.000 | 33.453 | 16.4 | 67 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 33.287 | 16.8 | 62 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 38.164 | 4.6 | 78 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.826 | 2.9 | 79 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.449 | 3.9 | 78 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.470 | -1.2 | 82 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.586 | 8.5 | 75 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 68 | 0.00 |
| 77 | | Benzidine | 40.000 | 34.399 | 14.0 | 59 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.817 | -7.0 | 76 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 87.865 | -9.8 | 79 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.545 | 3.6 | 67 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.254 | 4.4 | 68 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 36.483 | 8.8 | 65 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.695 | 0.8 | 69 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.409 | 6.5 | 65 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 32.062 | 19.8 | 57 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 64 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 51.437 | -28.6# | 81 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.004 | 5.0 | 65 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.736 | 5.7 | 59 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.241 | 1.9 | 63 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 51.627 | -29.1# | 80 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 48.503 | -21.3 | 76 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG No.: P5316

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 19:24

Lab File ID: BF140959.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:13 16:15

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.215 | 1.203 | | -1.0 | 50.0 |
| Phenol-d6 | 1.609 | 1.593 | | -1.0 | 50.0 |
| Phenol | 1.668 | 1.653 | | -0.9 | 50.0 |
| 2-Methylphenol | 1.058 | 1.065 | | 0.7 | 50.0 |
| 3+4-Methylphenols | 1.403 | 1.384 | | -1.4 | 50.0 |
| Nitrobenzene-d5 | 0.400 | 0.389 | | -2.8 | 50.0 |
| Naphthalene | 1.099 | 1.086 | | -1.2 | 50.0 |
| 2-Fluorobiphenyl | 1.455 | 1.388 | | -4.6 | 50.0 |
| Acenaphthylene | 1.788 | 1.788 | | 0.0 | 50.0 |
| Acenaphthene | 1.142 | 1.133 | | -0.8 | 50.0 |
| Fluorene | 1.460 | 1.425 | | -2.4 | 50.0 |
| 2,4,6-Tribromophenol | 0.237 | 0.232 | | -2.1 | 50.0 |
| Pentachlorophenol | 0.093 | 0.075 | | -19.4 | 50.0 |
| Anthracene | 1.013 | 0.994 | | -1.9 | 50.0 |
| Fluoranthene | 1.184 | 1.218 | | 2.9 | 50.0 |
| Pyrene | 1.779 | 1.725 | | -3.0 | 50.0 |
| Terphenyl-d14 | 1.268 | 1.207 | | -4.8 | 50.0 |
| Benzo(a)anthracene | 1.417 | 1.404 | | -0.9 | 50.0 |
| Chrysene | 1.289 | 1.227 | | -4.8 | 50.0 |
| Benzo(b)fluoranthene | 1.388 | 1.367 | | -1.5 | 50.0 |
| Benzo(k)fluoranthene | 1.191 | 1.086 | | -8.8 | 50.0 |
| Benzo(a)pyrene | 1.087 | 1.030 | | -5.2 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.248 | 1.208 | | -3.2 | 50.0 |
| Dibenzo(a,h)anthracene | 1.034 | 0.996 | | -3.7 | 50.0 |
| Benzo(g,h,i)perylene | 1.052 | 0.977 | | -7.1 | 50.0 |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 66227 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 248513 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 146137 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 291861 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 207326 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.516 | 264 | 184556 | 20.000 | ng | | -0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 318577 | 79.188 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 421997 | 79.195 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 386452 | 77.801 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.681 | 330 | 135717 | 78.522 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 811564 | 76.352 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1001326 | 76.158 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.605 | 88 | 65032 | 37.529 | ng | | 98 |
| 3) Pyridine | 3.387 | 79 | 154925 | 38.605 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 74446 | 36.798 | ng | | 95 |
| 6) Aniline | 6.522 | 93 | 175414 | 38.501 | ng | | 98 |
| 8) 2-Chlorophenol | 6.646 | 128 | 177168 | 40.383 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 118899 | 40.271 | ng | | 98 |
| 10) Phenol | 6.516 | 94 | 218889 | 39.635 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 157329 | 38.200 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 195796 | 39.166 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 199400 | 39.295 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 186168 | 38.884 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 149510 | 39.242 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 174534 | 35.973 | ng | | 80 |
| 17) 2-Methylphenol | 7.122 | 107 | 141105 | 40.286 | ng | | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 71272 | 37.728 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 121188 | 37.915 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 183332 | 39.472 | ng | # | 85 |
| 22) Acetophenone | 7.263 | 105 | 244338 | 39.304 | ng | | 96 |
| 24) Nitrobenzene | 7.440 | 77 | 198770 | 39.061 | ng | | 96 |
| 25) Isophorone | 7.675 | 82 | 313176 | 37.629 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 96414 | 41.138 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.793 | 122 | 109542 | 40.022 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 195305 | 37.572 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 150227 | 39.755 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 168994 | 39.012 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 539862 | 39.547 | ng | | 100 |
| 32) Benzoic acid | 7.957 | 122 | 105192 | 40.523 | ng | | 97 |
| 33) 4-Chloroaniline | 8.210 | 127 | 180741 | 39.864 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 112071 | 38.453 | ng | | 99 |
| 35) Caprolactam | 8.592 | 113 | 48736 | 43.322 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 171340 | 40.286 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 354629 | 39.272 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.940 | 142 | 353547 | 39.588 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 176578 | 39.312 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.987 | 237 | 26032 | 28.674 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 103055 | 37.469 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 113791 | 37.641 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 451267 | 38.834 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 347940 | 39.139 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 105740 | 39.384 | ng | 95 |
| 49) Acenaphthylene | 9.751 | 152 | 522615 | 40.003 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 394835 | 38.322 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 93666 | 39.767 | ng | 94 |
| 52) Acenaphthene | 9.922 | 154 | 331006 | 39.664 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 96968 | 41.485 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 46064 | 43.346 | ng | 95 |
| 55) Dibenzofuran | 10.092 | 168 | 499757 | 38.647 | ng | 100 |
| 56) 4-Nitrophenol | 10.051 | 139 | 44580 | 37.930 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 125320 | 40.439 | ng | 98 |
| 58) Fluorene | 10.434 | 166 | 416576 | 39.048 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 92785 | 37.667 | ng | 94 |
| 60) Diethylphthalate | 10.304 | 149 | 395324 | 37.002 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 203526 | 37.979 | ng | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 104090m | 42.614 | ng | |
| 63) Azobenzene | 10.586 | 77 | 368436 | 36.682 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 67642 | 40.900 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 353375 | 39.380 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 124736 | 38.203 | ng | 96 |
| 68) Hexachlorobenzene | 10.986 | 284 | 143941 | 38.882 | ng | 99 |
| 69) Atrazine | 11.069 | 200 | 84689 | 33.792 | ng | 100 |
| 70) Pentachlorophenol | 11.198 | 266 | 43771 | 32.340 | ng | 99 |
| 71) Phenanthrene | 11.404 | 178 | 595675 | 39.689 | ng | 100 |
| 72) Anthracene | 11.457 | 178 | 580319 | 39.262 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 585180 | 40.420 | ng | 100 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 646754 | 38.065 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 711196 | 41.145 | ng | 99 |
| 77) Benzidine | 12.722 | 184 | 184675 | 43.643 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 715402 | 38.803 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 266719 | 39.317 | ng | 98 |
| 81) Benzo(a)anthracene | 14.022 | 228 | 582184 | 39.621 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 179769 | 40.550 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 508731 | 38.074 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 327711 | 37.465 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 439301 | 33.196 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 445783 | 38.707 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 504436 | 39.375 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.110 | 252 | 400757 | 36.468 | ng | 99 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 380341 | 37.915 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.033 | 278 | 367688 | 38.537 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 360772 | 37.152 | ng | 100 |

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

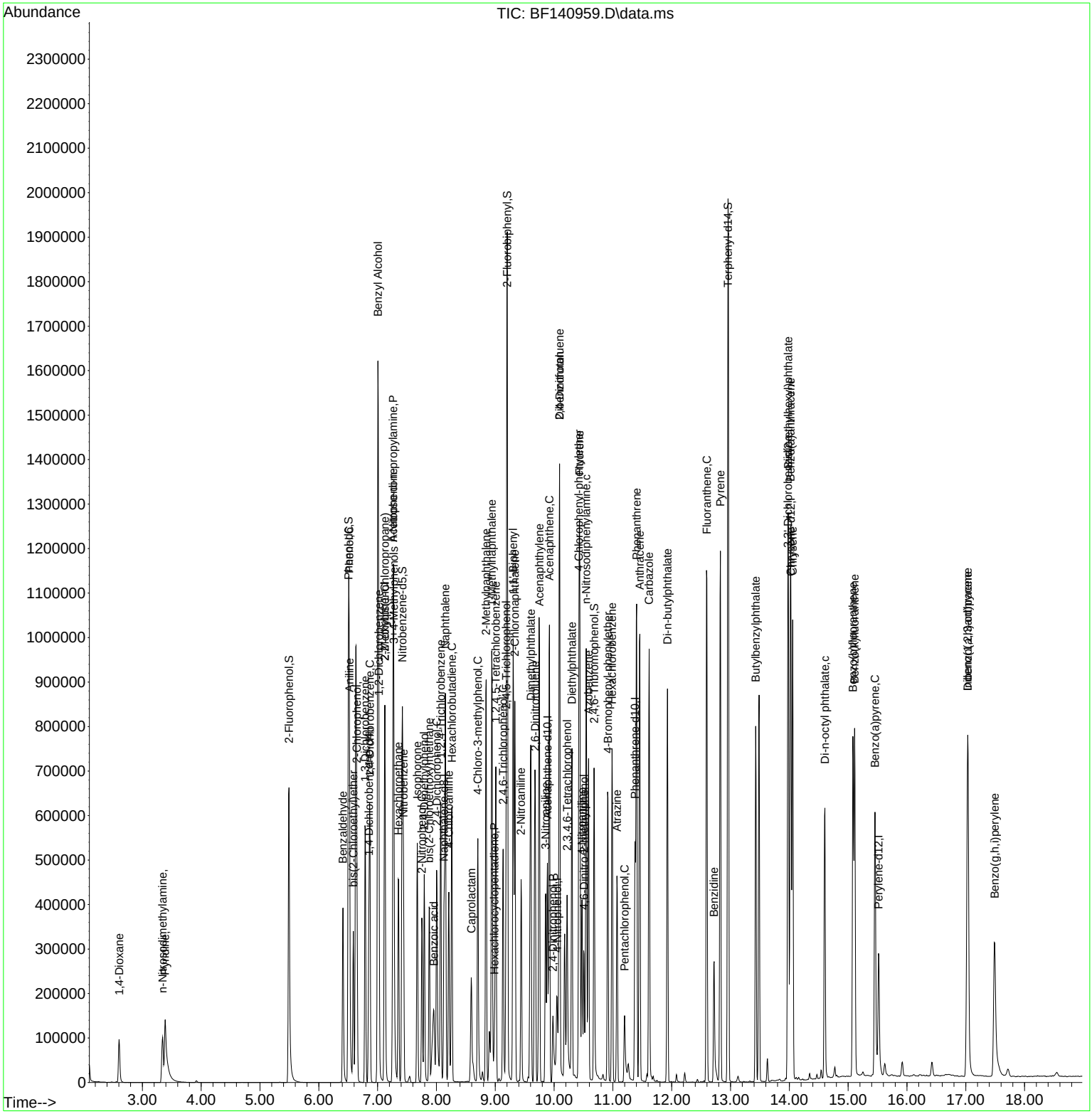
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

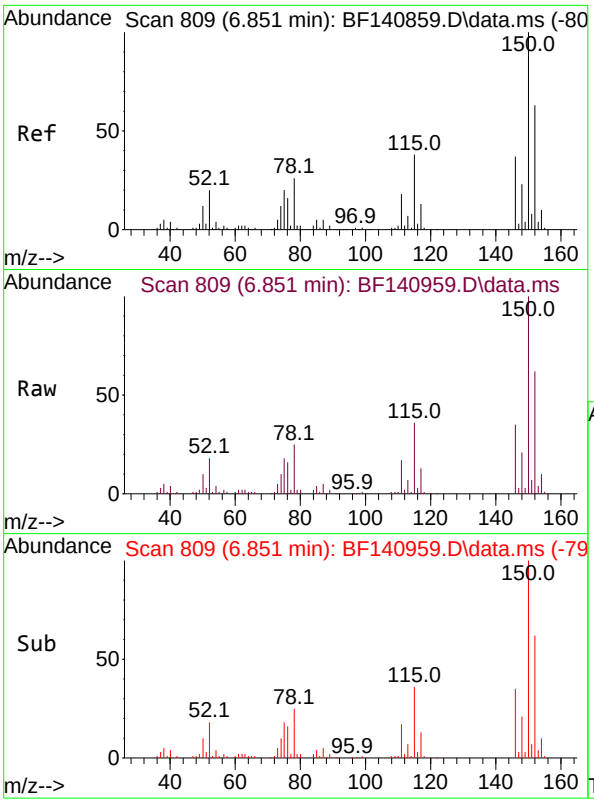
Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

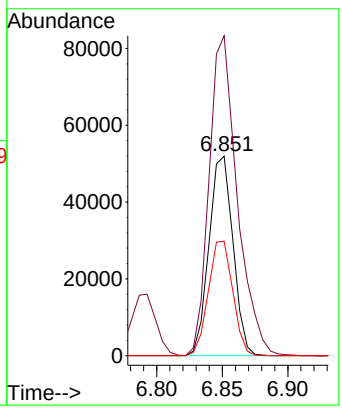





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:152 Resp: 6622

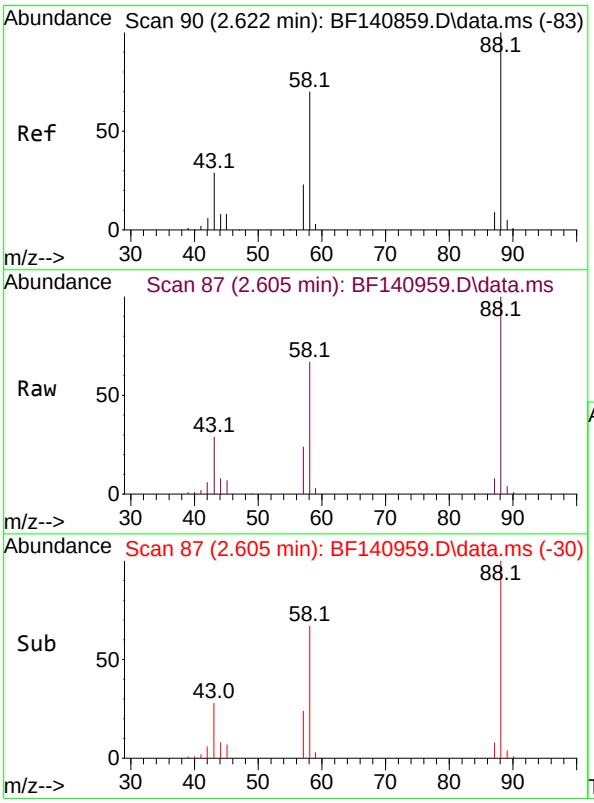
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 127.9 | 191.9 |
| 115 | 57.4 | 48.0 | 72.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

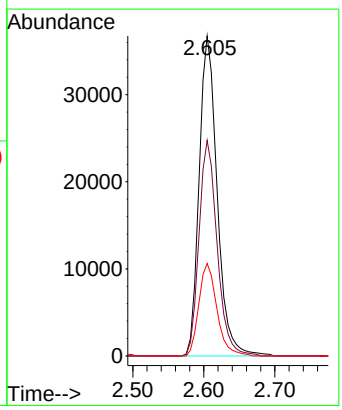
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

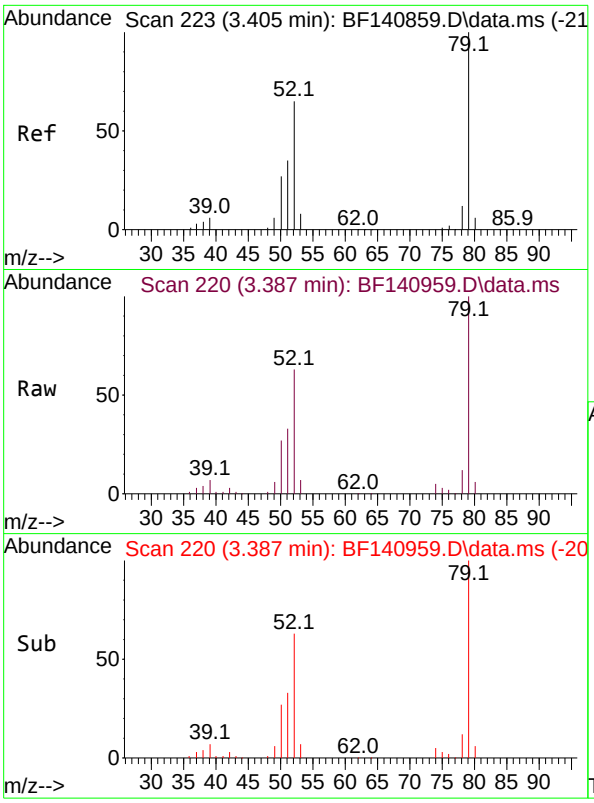



#2
1,4-Dioxane
Concen: 37.529 ng
RT: 2.605 min Scan# 87
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 88 Resp: 65032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.6 | 55.8 | 83.8 |
| 43 | 28.9 | 22.7 | 34.1 |

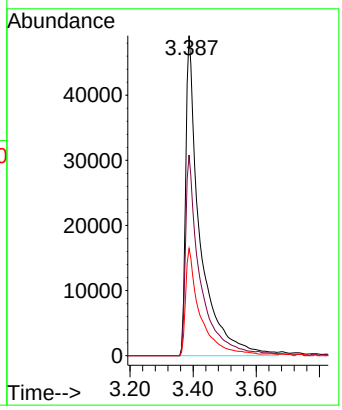





#3
Pyridine
Concen: 38.605 ng
RT: 3.387 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 79 Resp: 15492

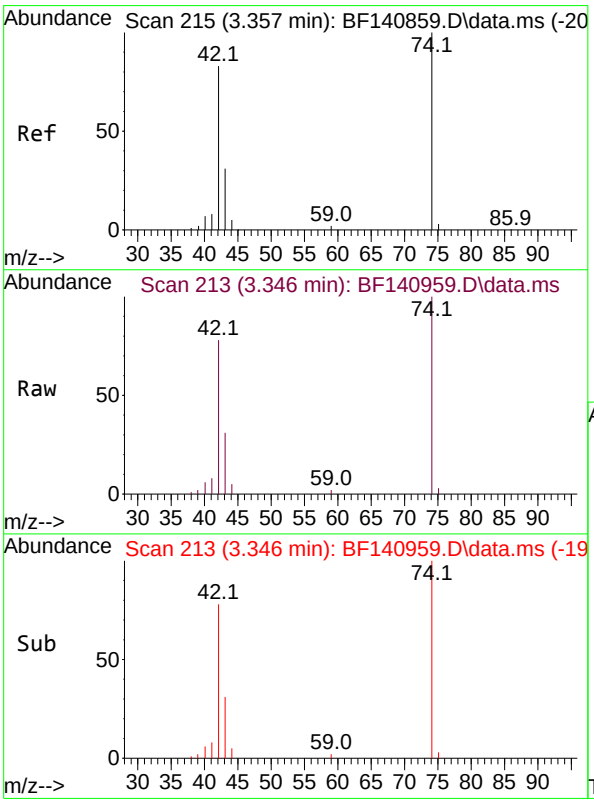
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.7 | 51.7 | 77.5 |
| 51 | 33.5 | 28.2 | 42.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

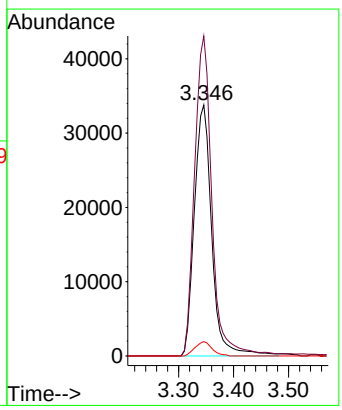
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

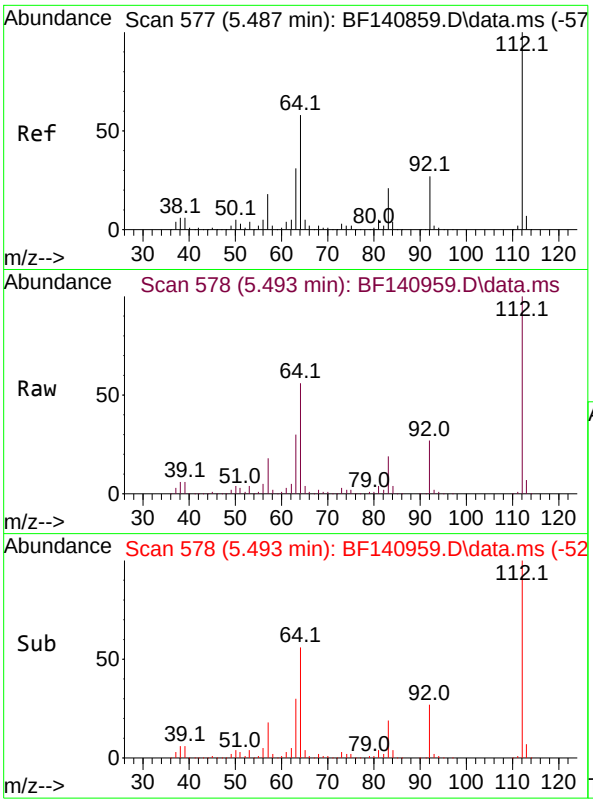



#4
n-Nitrosodimethylamine
Concen: 36.798 ng
RT: 3.346 min Scan# 213
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 42 Resp: 74446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.5 | 96.9 | 145.3 |
| 44 | 5.8 | 4.4 | 6.6 |

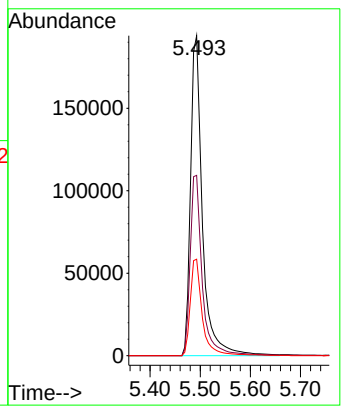





#5
2-Fluorophenol
Concen: 79.188 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:112 Resp: 31857

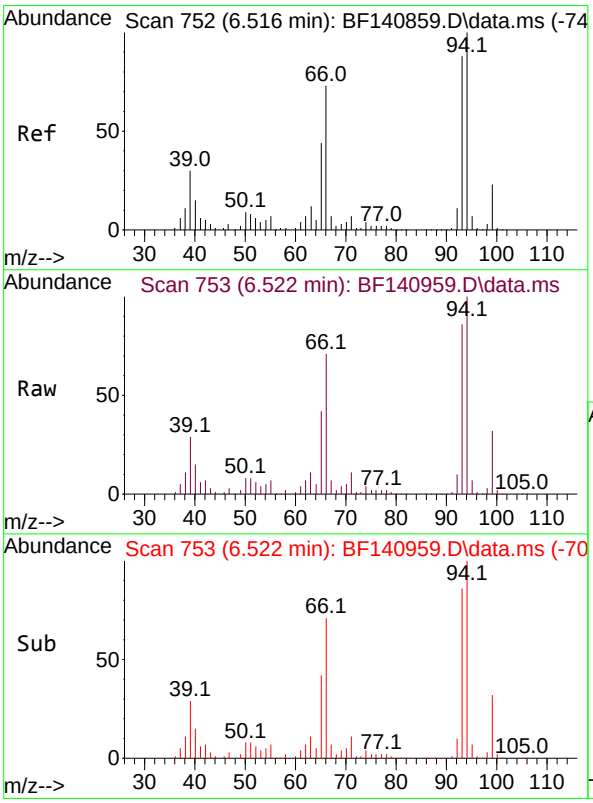
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 46.1 | 69.1 |
| 63 | 30.2 | 24.9 | 37.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

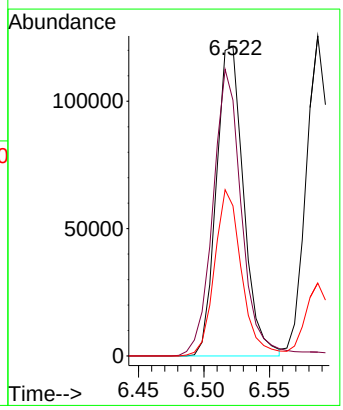
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

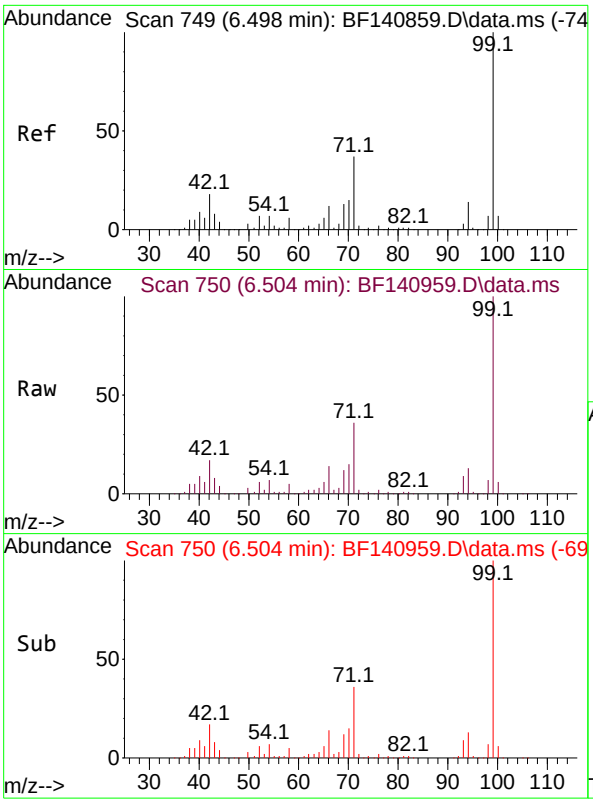



#6
Aniline
Concen: 38.501 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 93 Resp: 175414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 82.6 | 67.0 | 100.4 |
| 65 | 48.5 | 40.4 | 60.6 |

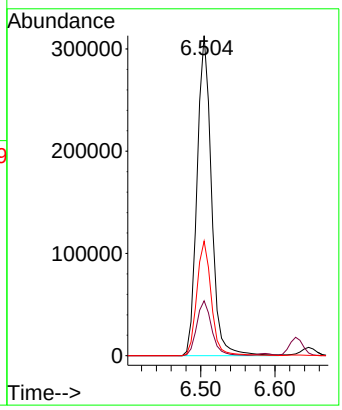





#7
Phenol-d6
Concen: 79.195 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 99 Resp: 42199

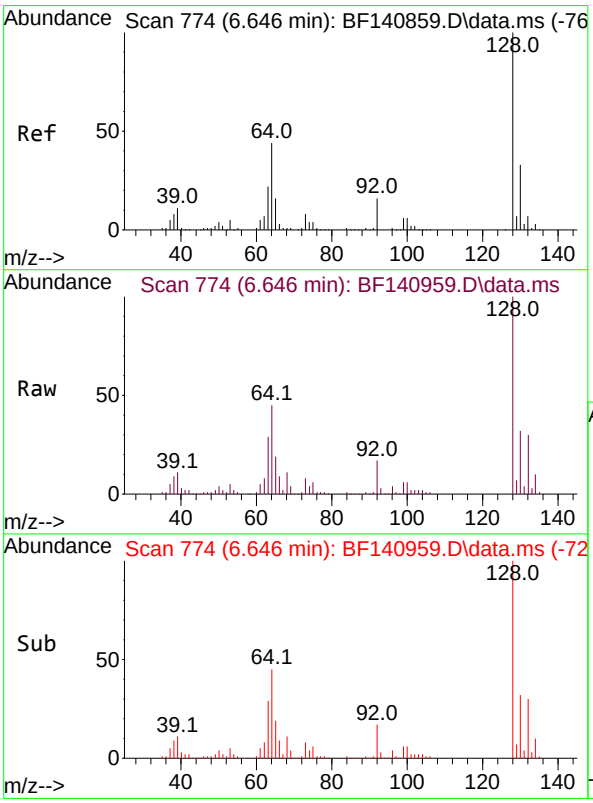
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.3 | 21.5 |
| 71 | 35.8 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

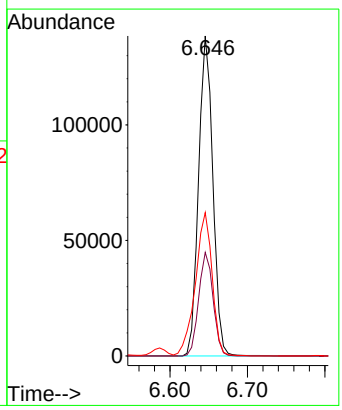
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

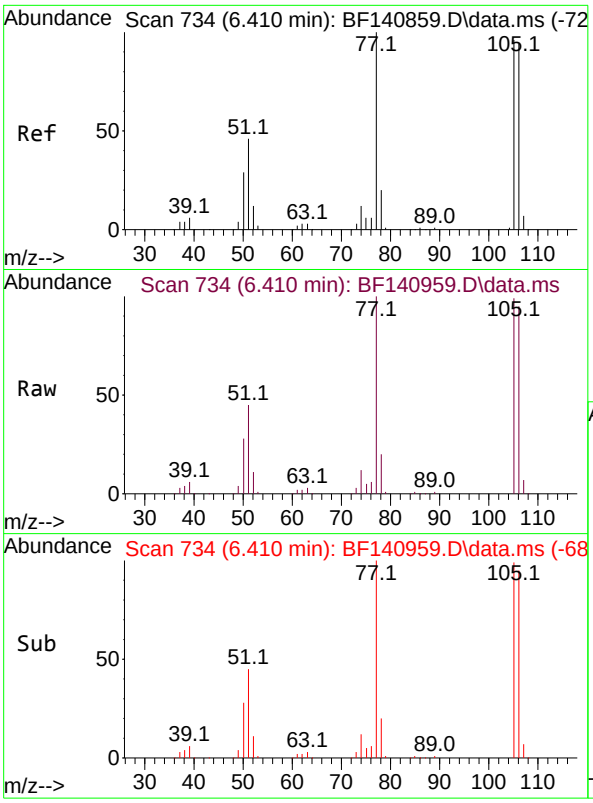



#8
2-Chlorophenol
Concen: 40.383 ng
RT: 6.646 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:128 Resp: 177168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.9 | 52.9 |
| 64 | 44.8 | 24.3 | 64.3 |

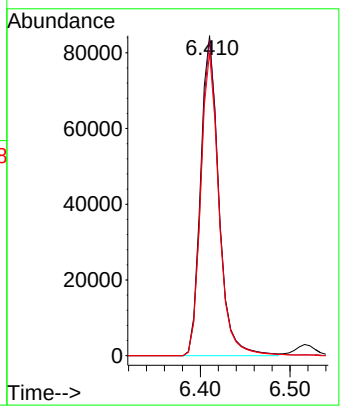





#9
Benzaldehyde
Concen: 40.271 ng
RT: 6.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 77 Resp: 11889

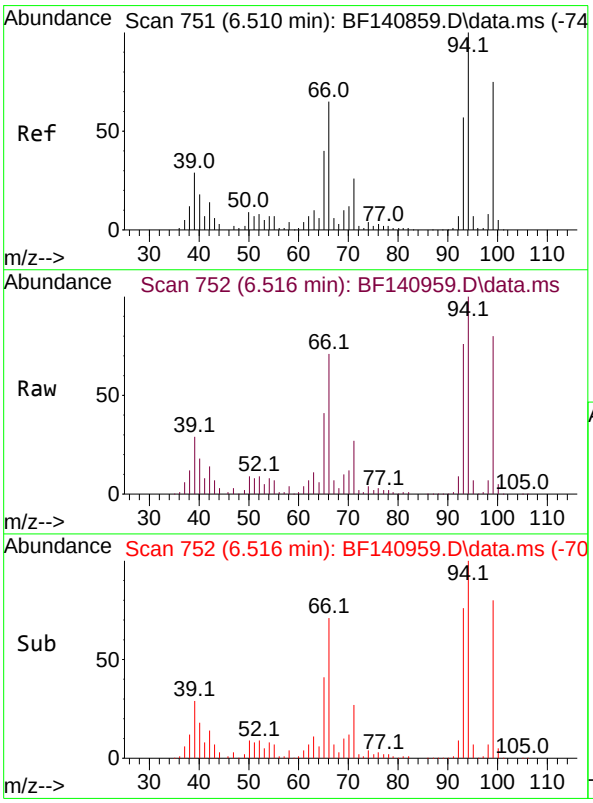
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.8 | 75.8 | 115.8 |
| 106 | 94.7 | 74.1 | 114.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

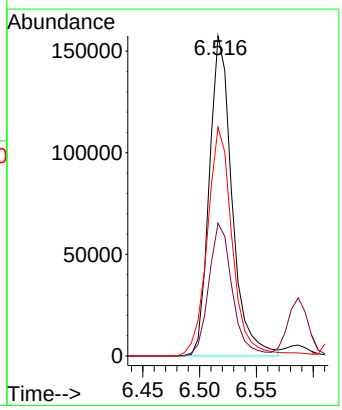
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

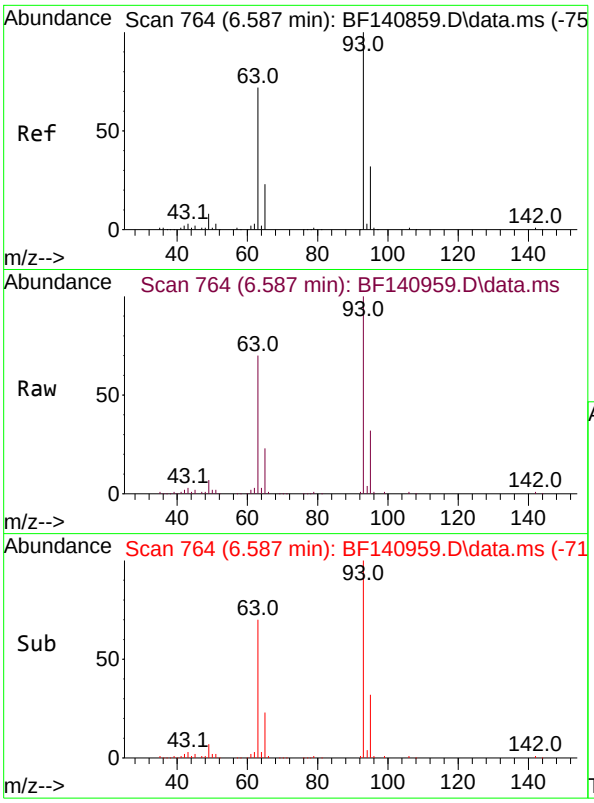



#10
Phenol
Concen: 39.635 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 94 Resp: 218889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.5 | 19.9 | 59.9 |
| 66 | 71.4 | 45.6 | 85.6 |

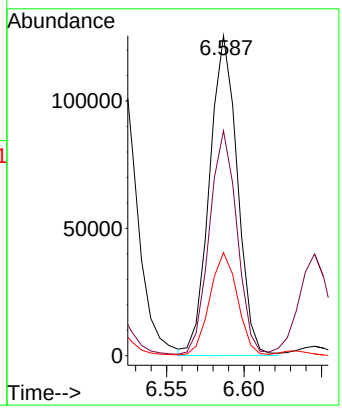





#11
bis(2-Chloroethyl)ether
Concen: 38.200 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 93 Resp: 15732

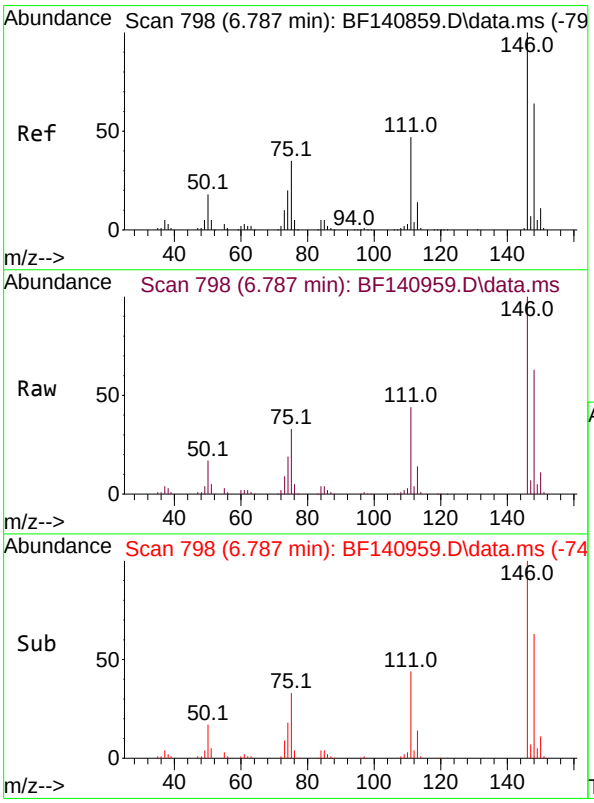
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.3 | 51.0 | 91.0 |
| 95 | 32.2 | 12.0 | 52.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

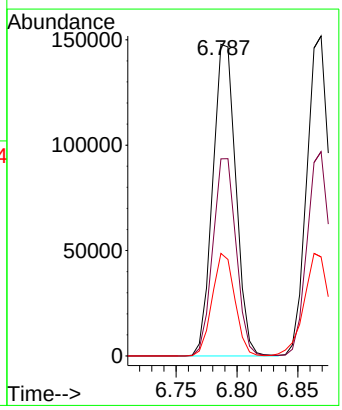
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

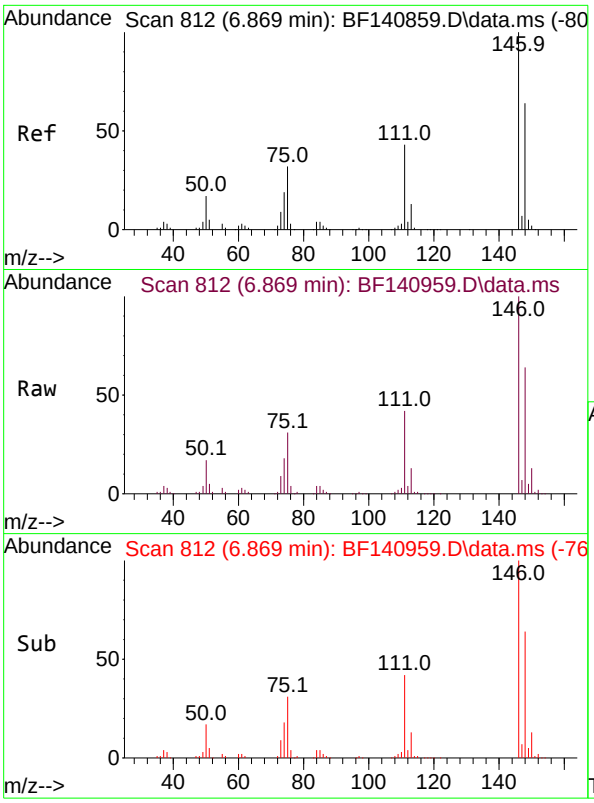



#12
1,3-Dichlorobenzene
Concen: 39.166 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:146 Resp: 195796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 75 | 32.9 | 28.1 | 42.1 |

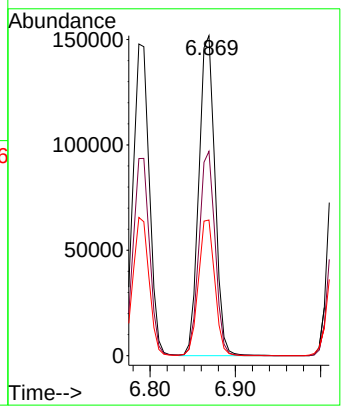





#13
1,4-Dichlorobenzene
Concen: 39.295 ng
RT: 6.869 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:146 Resp: 19940

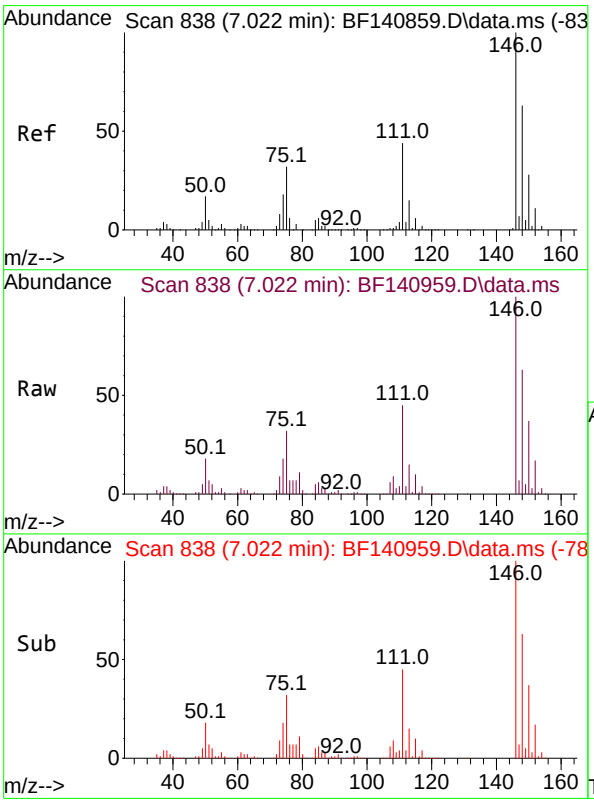
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.3 | 76.9 |
| 111 | 42.4 | 34.4 | 51.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

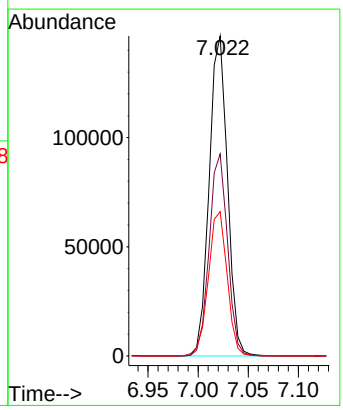
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

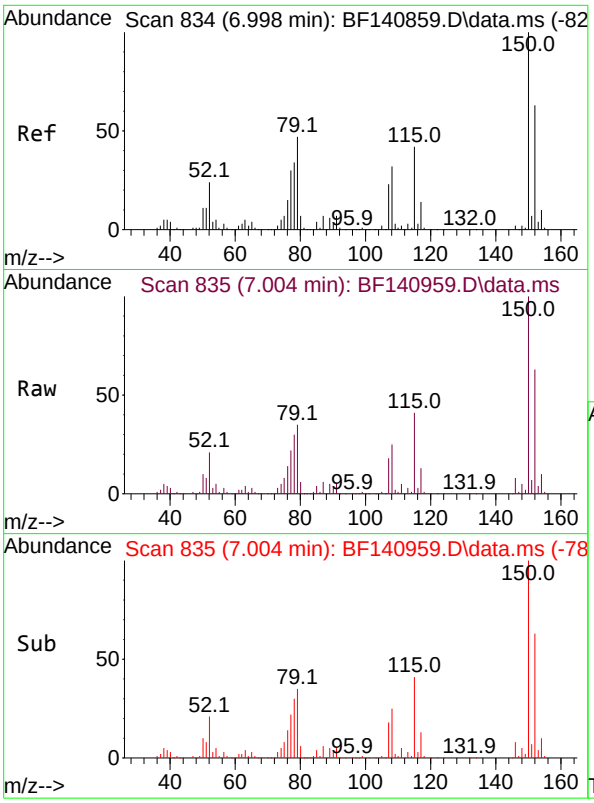



#14
1,2-Dichlorobenzene
Concen: 38.884 ng
RT: 7.022 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:146 Resp: 186168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.0 | 75.0 |
| 111 | 45.1 | 35.6 | 53.4 |

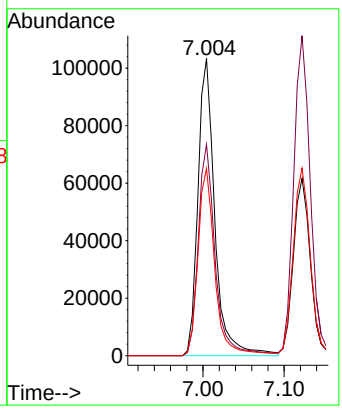





#15
Benzyl Alcohol
Concen: 39.242 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 79 Resp: 14951

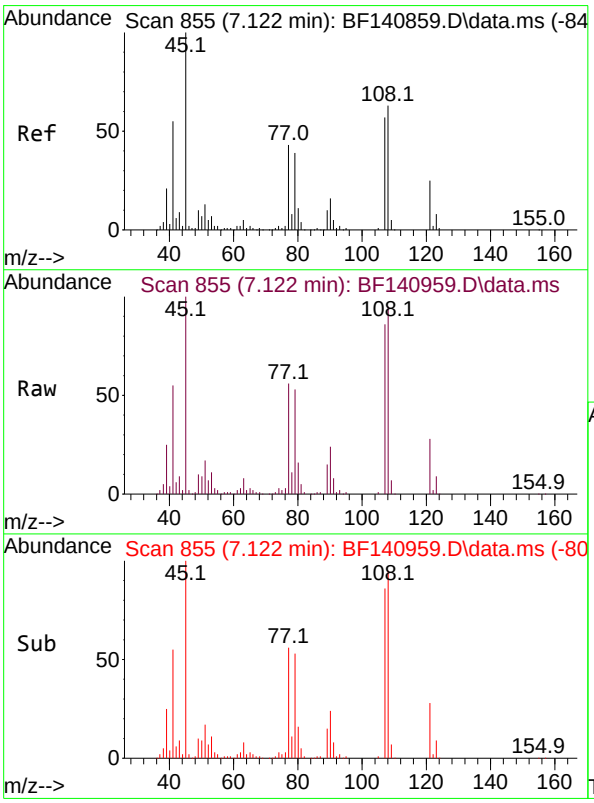
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.1 | 55.1 | 82.7 |
| 77 | 63.1 | 50.6 | 76.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

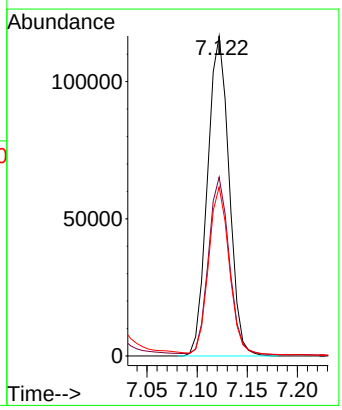
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

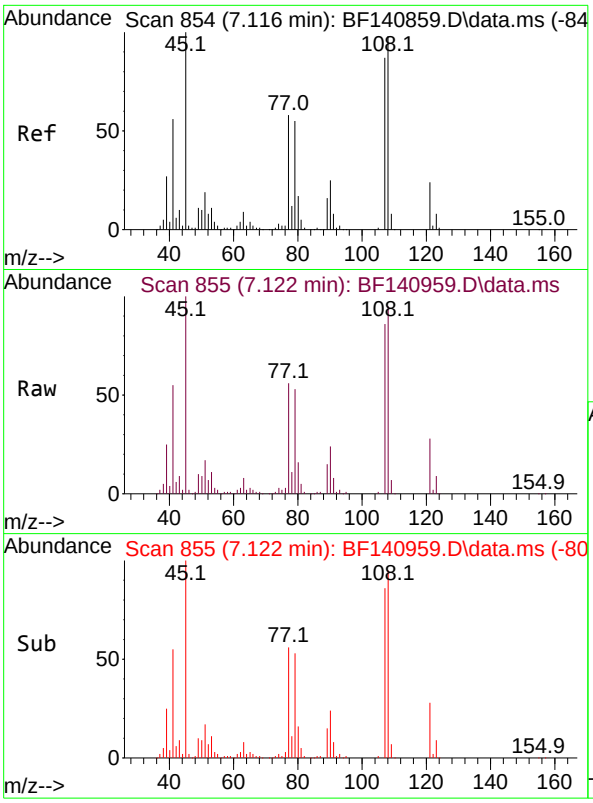



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.973 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 45 Resp: 174534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 55.9 | 23.3 | 63.3 |
| 79 | 52.9 | 20.0 | 60.0 |

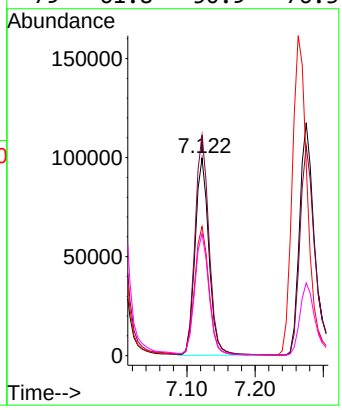





#17
2-Methylphenol
Concen: 40.286 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:107 Resp: 14110

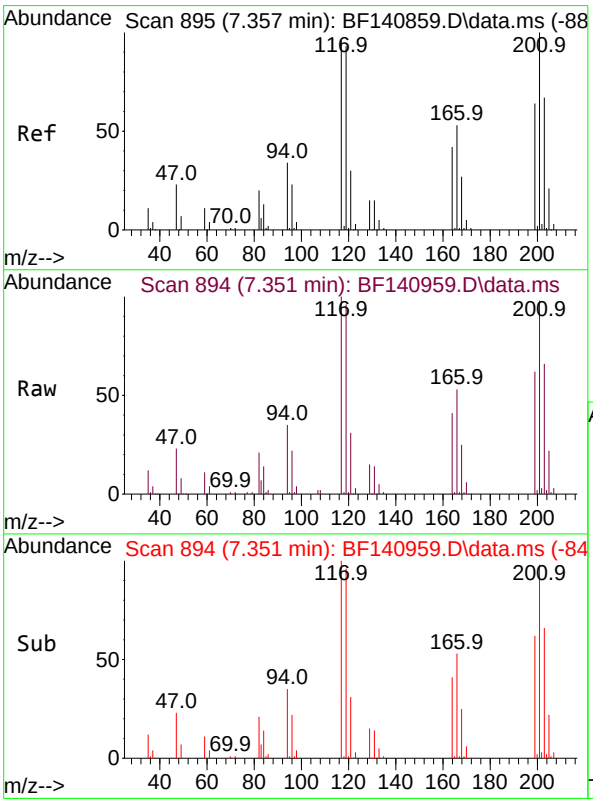
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.6 | 90.2 | 135.4 |
| 77 | 65.4 | 53.8 | 80.6 |
| 79 | 61.8 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

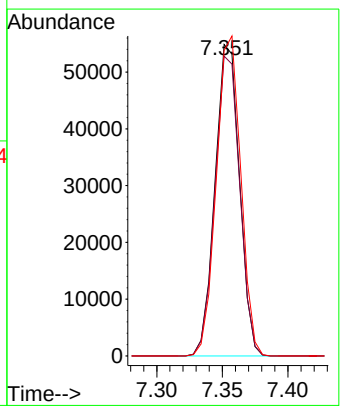
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

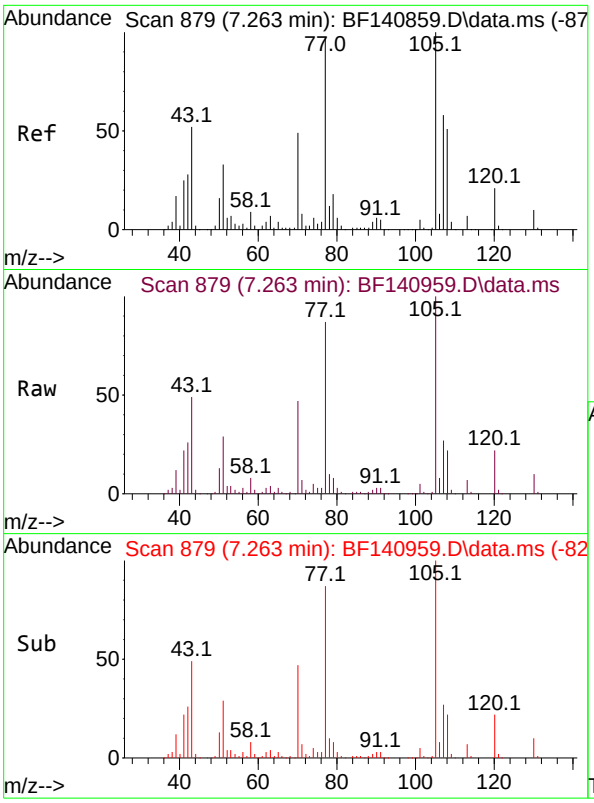



#18
Hexachloroethane
Concen: 37.728 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:117 Resp: 71272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 77.4 | 116.0 |
| 201 | 98.0 | 83.4 | 125.0 |

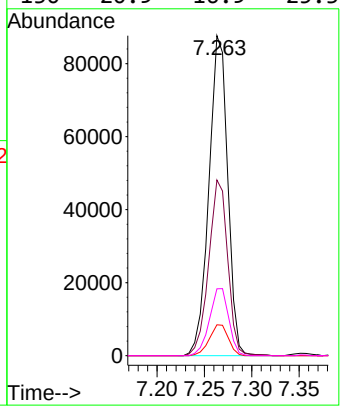





#19
n-Nitroso-di-n-propylamine
Concen: 37.915 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 70 Resp: 12118

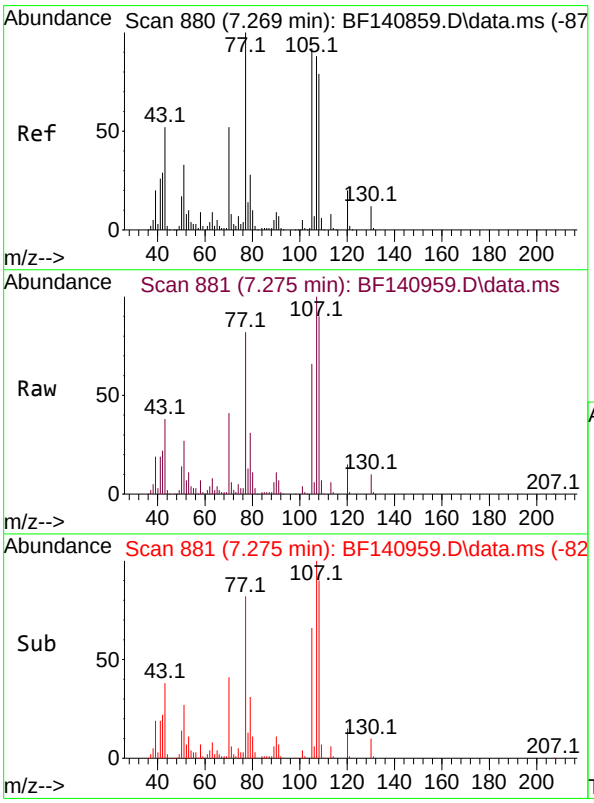
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.9 | 45.3 | 67.9 |
| 101 | 9.7 | 8.0 | 12.0 |
| 130 | 20.9 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

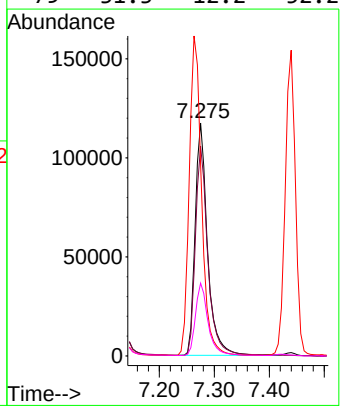
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

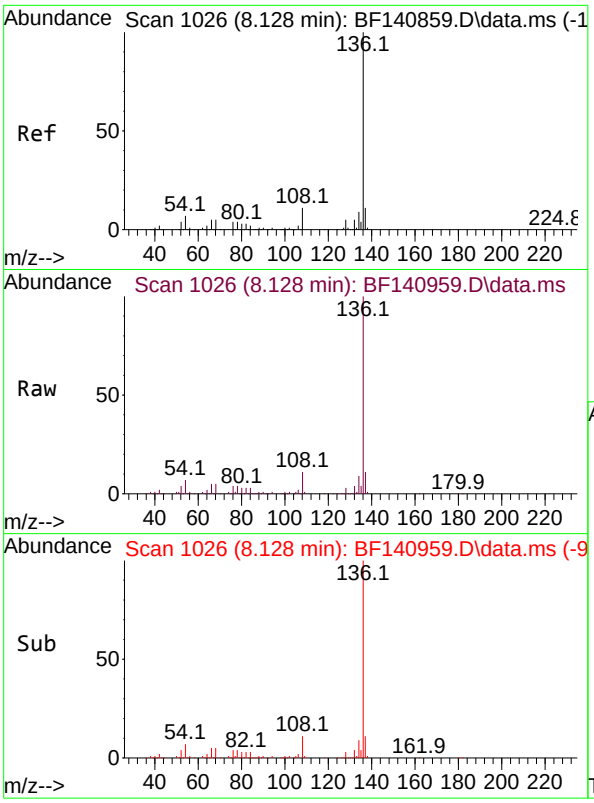



#20
3+4-Methylphenols
Concen: 39.472 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:107 Resp: 183332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 70.1 | 110.1 |
| 77 | 82.2 | 94.4 | 134.4# |
| 79 | 31.3 | 12.2 | 52.2 |

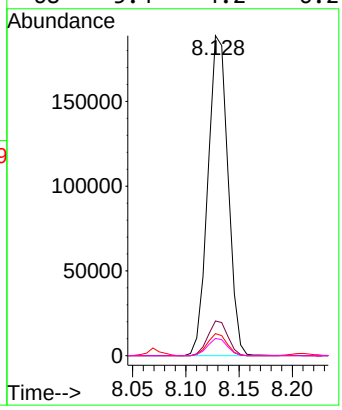





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:136 Resp: 24851

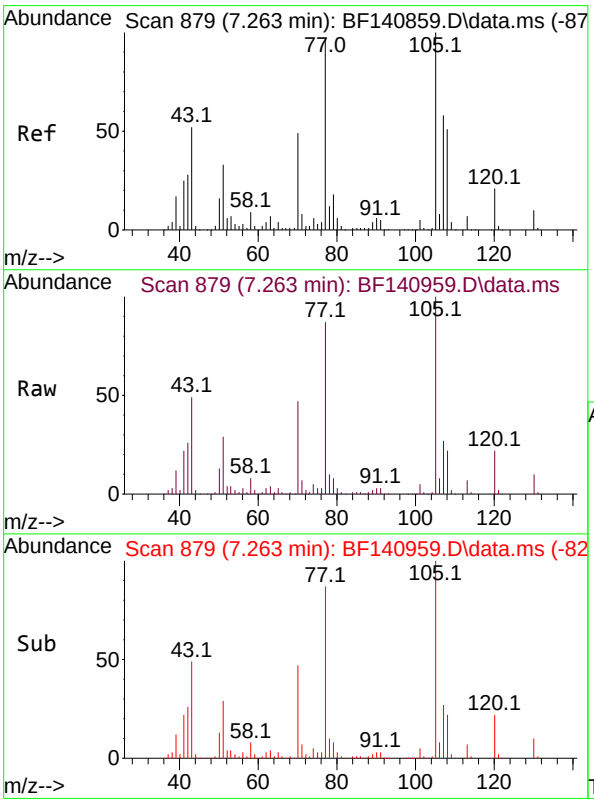
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.4 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

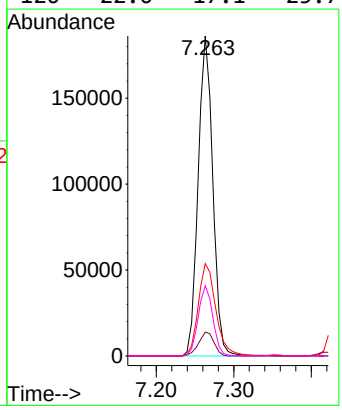
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

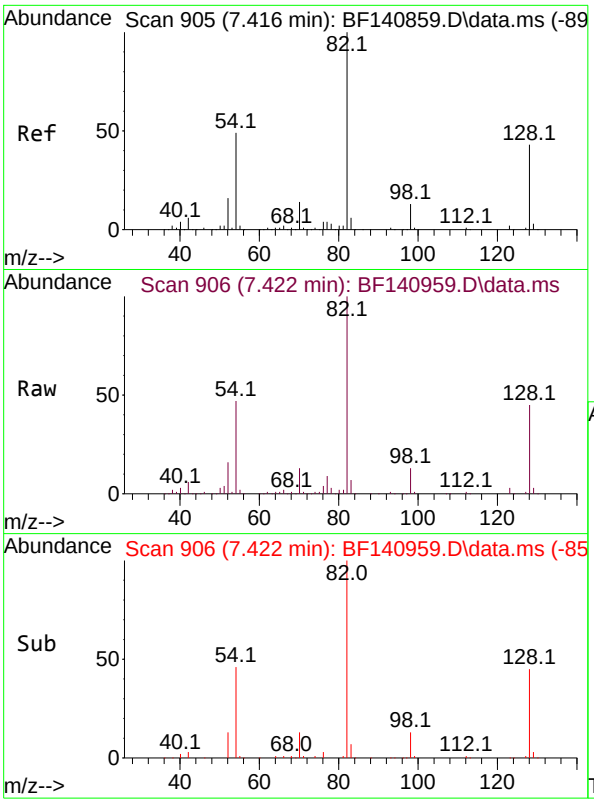



#22
Acetophenone
Concen: 39.304 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:105 Resp: 244338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 6.2 | 9.4 |
| 51 | 28.9 | 26.3 | 39.5 |
| 120 | 22.0 | 17.1 | 25.7 |

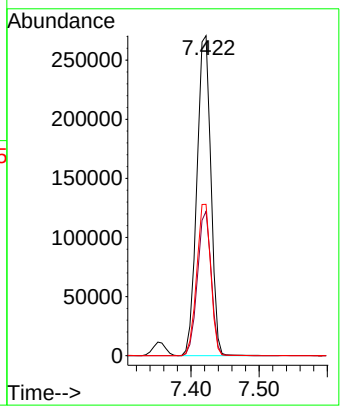





#23
Nitrobenzene-d5
Concen: 77.801 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 82 Resp: 38645

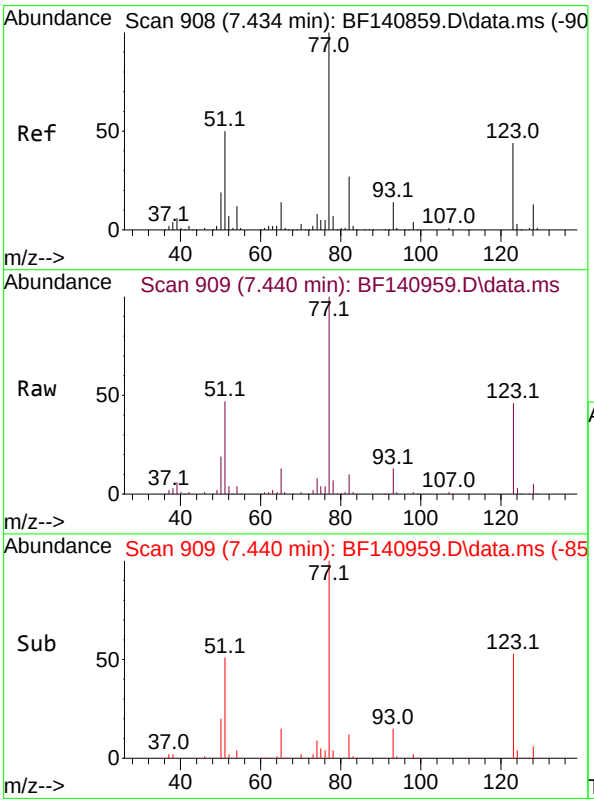
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 34.4 | 51.6 |
| 54 | 47.3 | 38.8 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

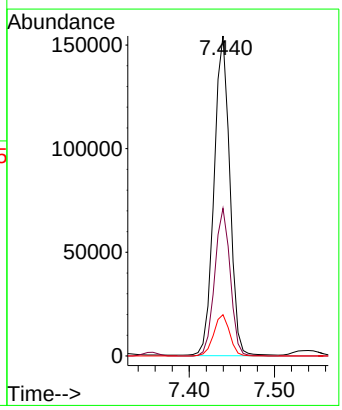
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

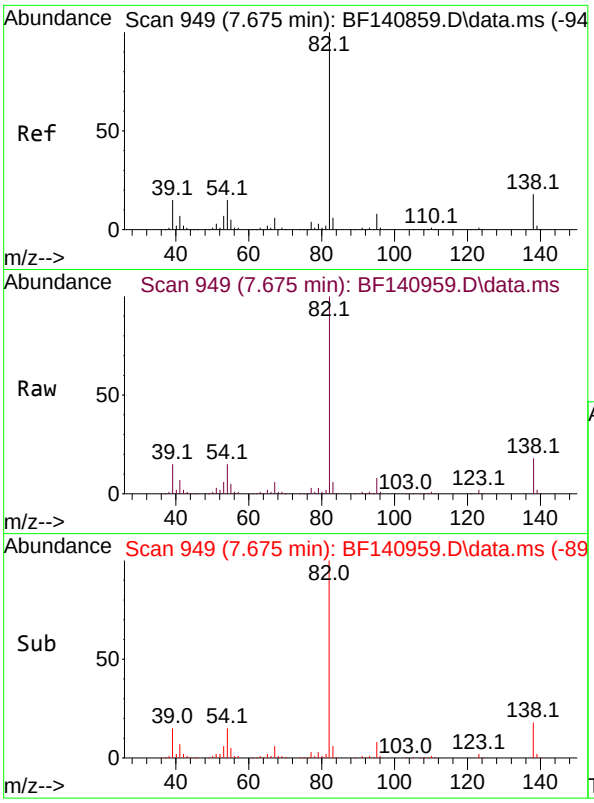



#24
Nitrobenzene
Concen: 39.061 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 77 Resp: 198770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.2 | 35.0 | 52.4 |
| 65 | 12.9 | 11.4 | 17.0 |

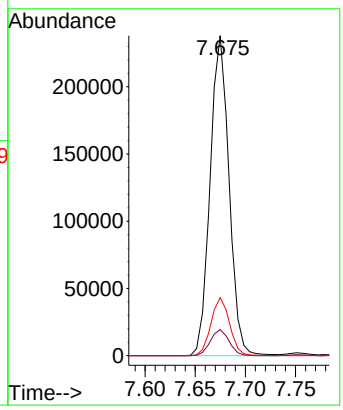





#25
Isophorone
Concen: 37.629 ng
RT: 7.675 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 82 Resp: 31317

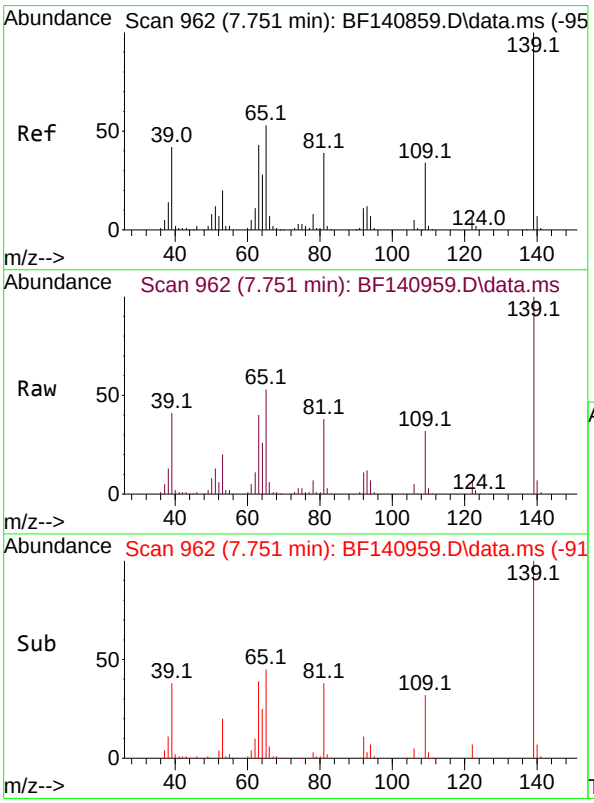
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.3 | 9.5 |
| 138 | 18.2 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

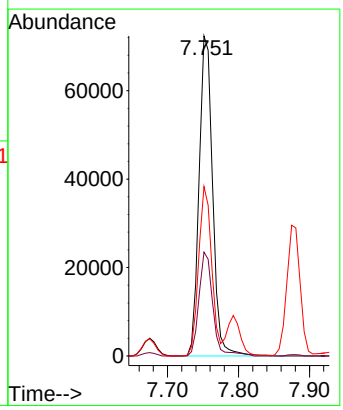
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

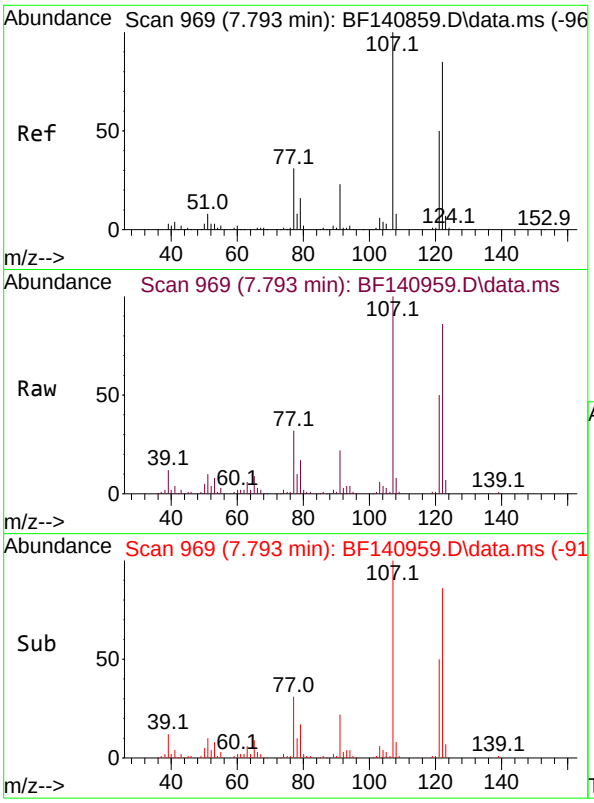



#26
2-Nitrophenol
Concen: 41.138 ng
RT: 7.751 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:139 Resp: 96414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 26.9 | 40.3 |
| 65 | 53.0 | 42.6 | 64.0 |

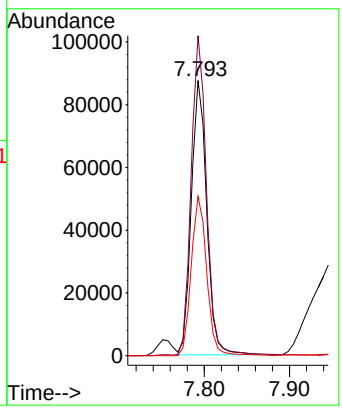





#27
2,4-Dimethylphenol
Concen: 40.022 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

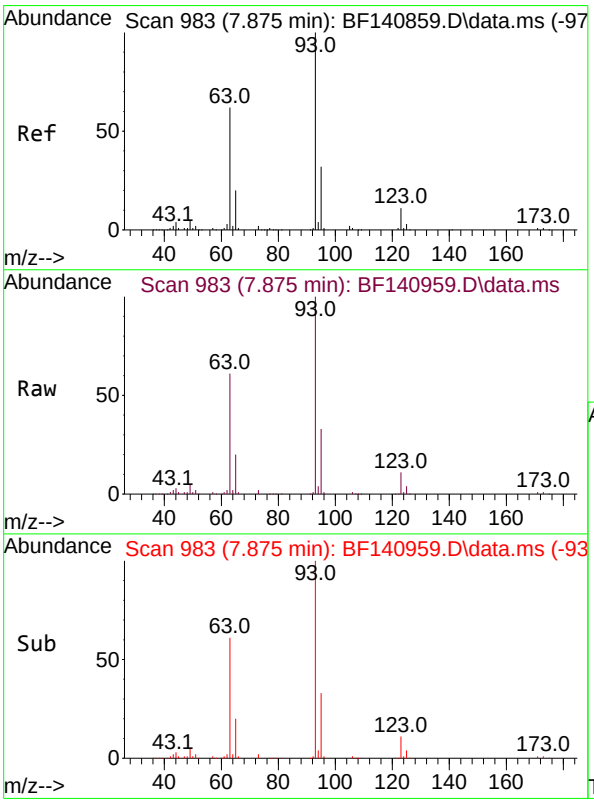
Tgt Ion:122 Resp: 10954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 92.6 | 139.0 |
| 121 | 57.9 | 45.8 | 68.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

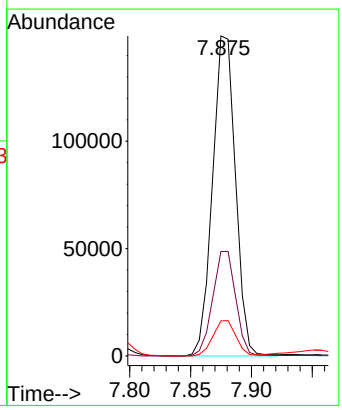
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

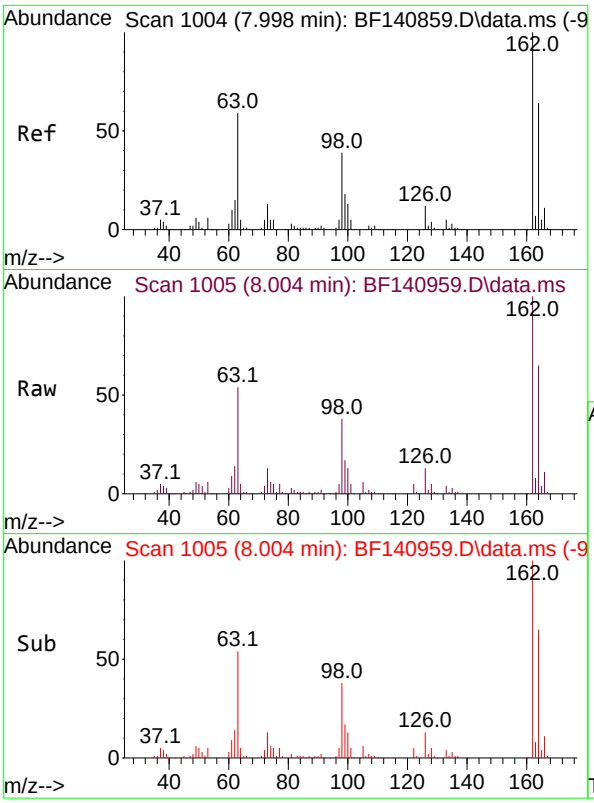



#28
bis(2-Chloroethoxy)methane
Concen: 37.572 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 93 Resp: 195305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.3 | 37.9 |
| 123 | 10.9 | 8.6 | 13.0 |






#29
2,4-Dichlorophenol
Concen: 39.755 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

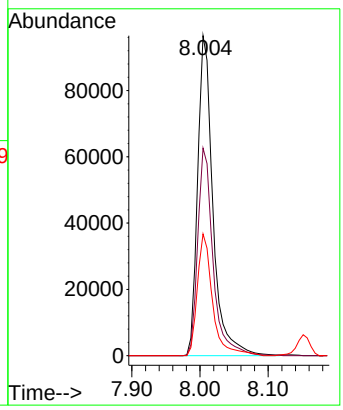
Tgt Ion:162 Resp: 15022

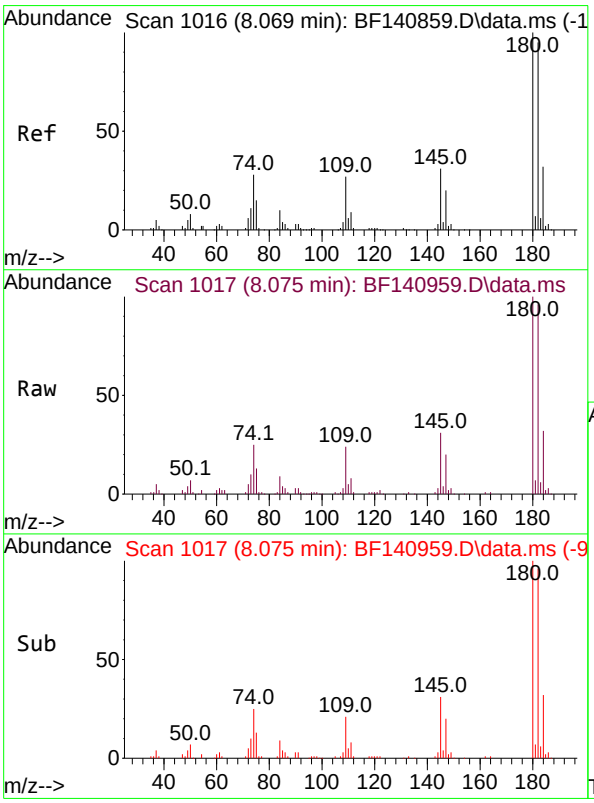
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 43.7 | 83.7 |
| 98 | 38.1 | 18.6 | 58.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
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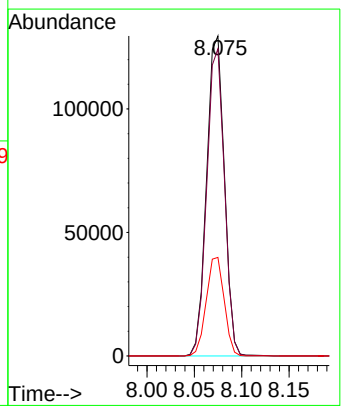


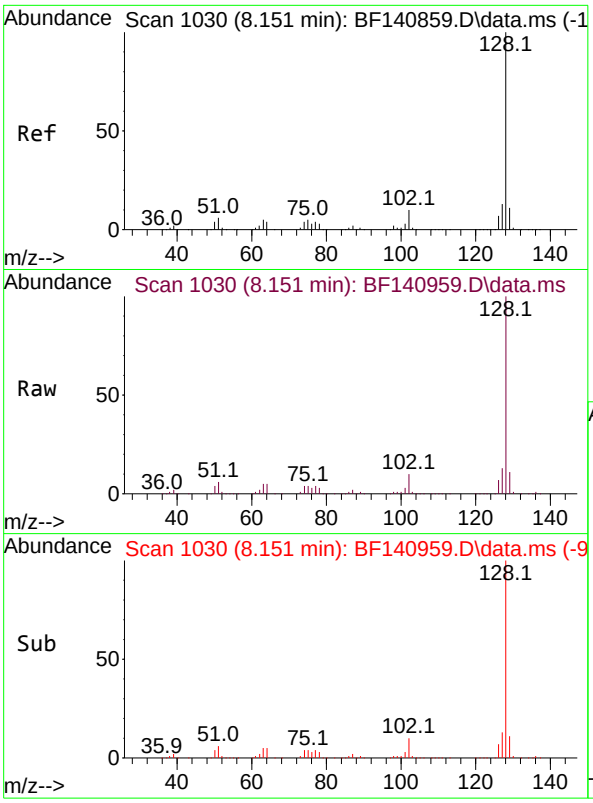




#30
1,2,4-Trichlorobenzene
Concen: 39.012 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:180 Resp: 168994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 75.8 | 113.6 |
| 145 | 30.8 | 25.2 | 37.8 |

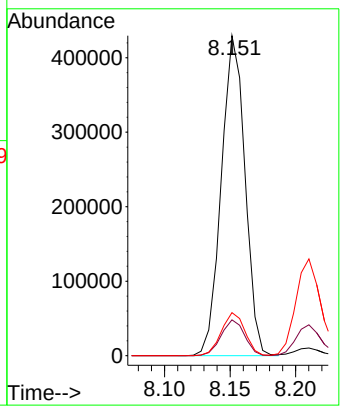





#31
Naphthalene
Concen: 39.547 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:128 Resp: 53986

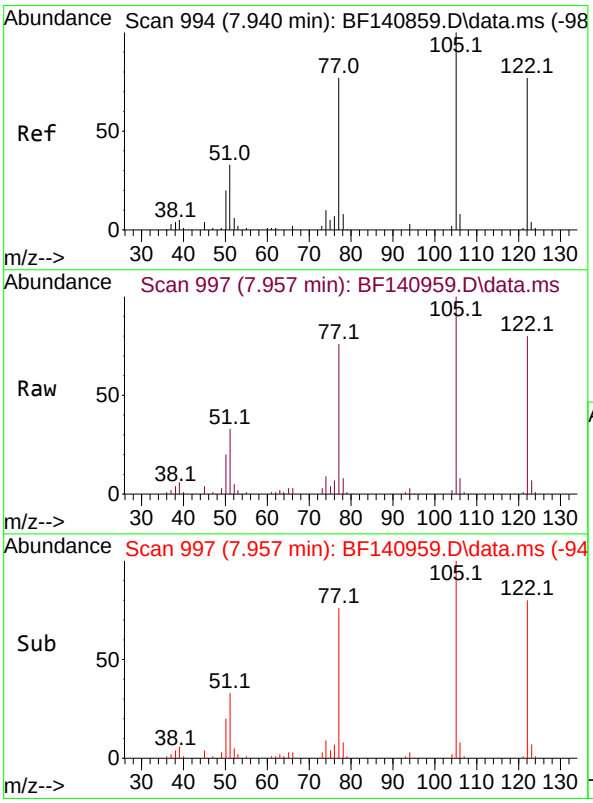
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
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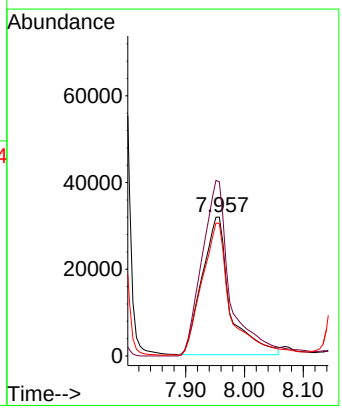
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

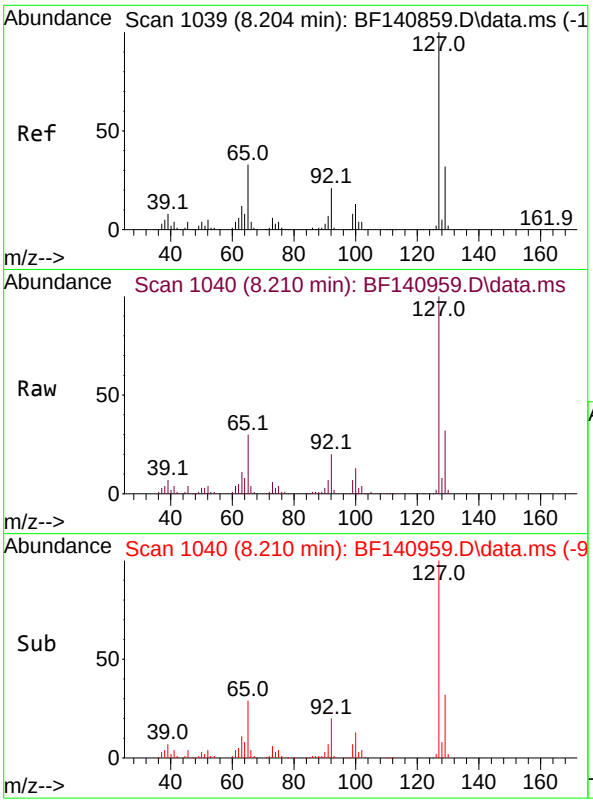



#32
Benzoic acid
Concen: 40.523 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.017 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:122 Resp: 105192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.4 | 108.3 | 148.3 |
| 77 | 95.4 | 78.8 | 118.8 |

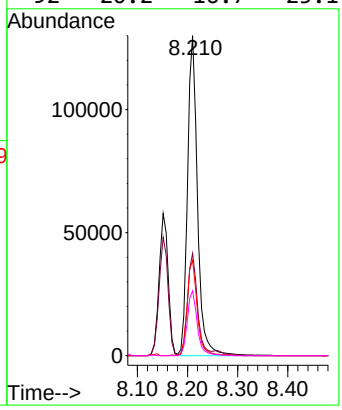





#33
4-Chloroaniline
Concen: 39.864 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:127 Resp: 18074

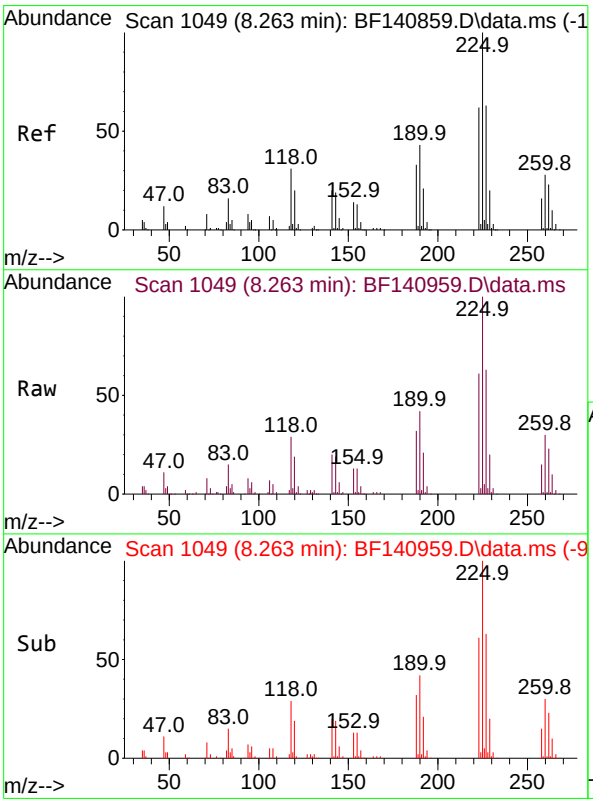
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.0 | 39.0 |
| 65 | 29.8 | 26.0 | 39.0 |
| 92 | 20.2 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
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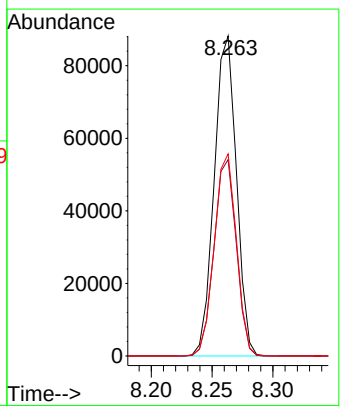
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

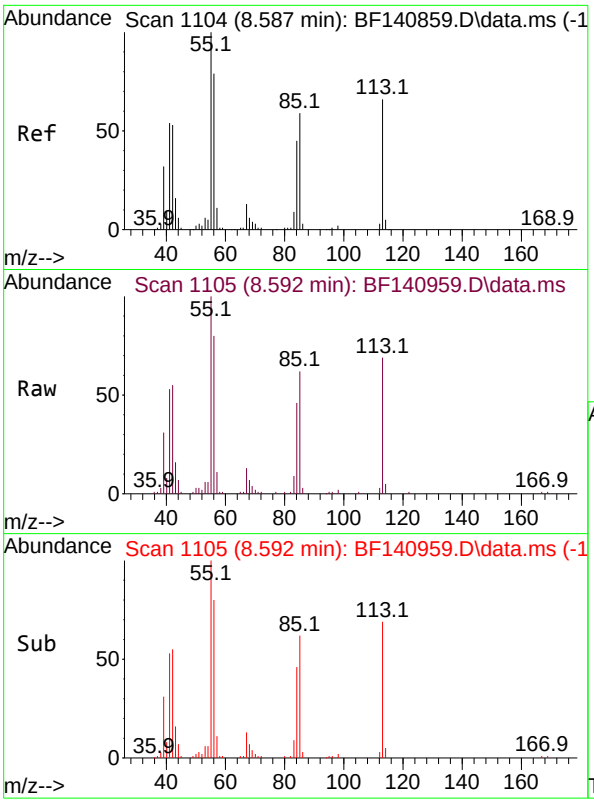



#34
Hexachlorobutadiene
Concen: 38.453 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:225 Resp: 112071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.3 | 49.6 | 74.4 |
| 227 | 63.2 | 50.7 | 76.1 |

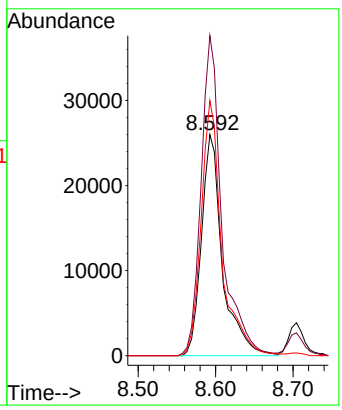





#35
Caprolactam
Concen: 43.322 ng
RT: 8.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:113 Resp: 4873

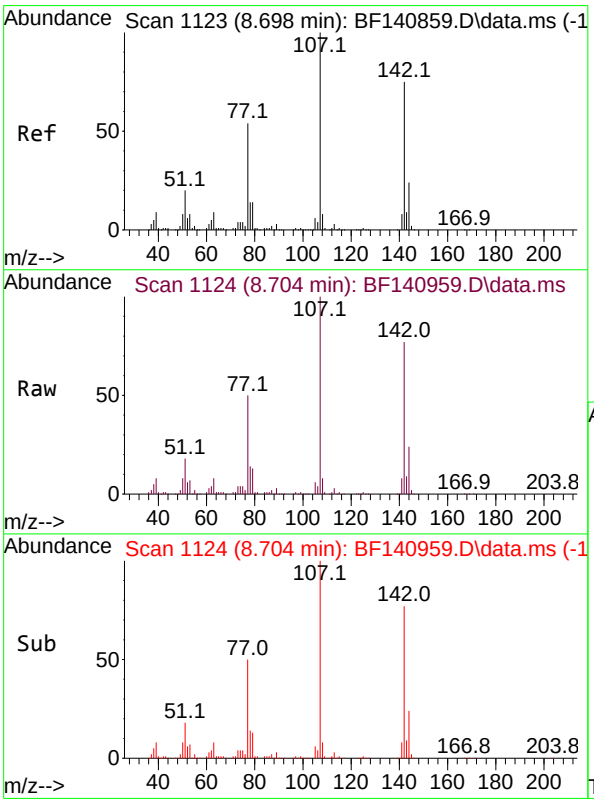
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 144.7 | 132.3 | 172.3 |
| 56 | 115.3 | 100.3 | 140.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
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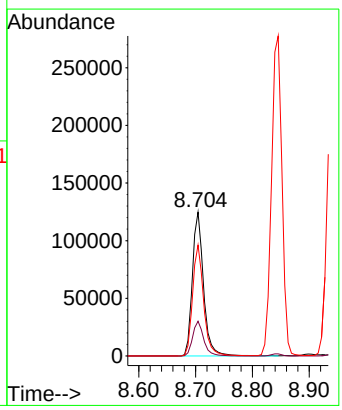
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

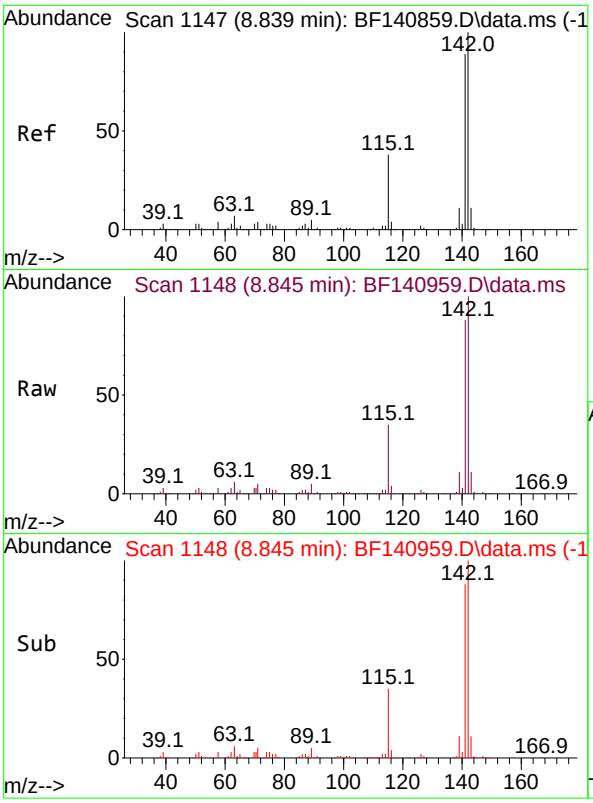



#36
4-Chloro-3-methylphenol
Concen: 40.286 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:107 Resp: 171340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 19.4 | 29.2 |
| 142 | 77.1 | 60.3 | 90.5 |

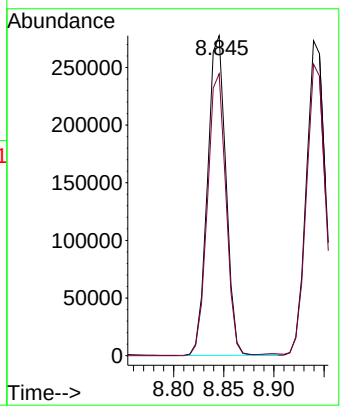





#37
2-Methylnaphthalene
Concen: 39.272 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:142 Resp: 35462

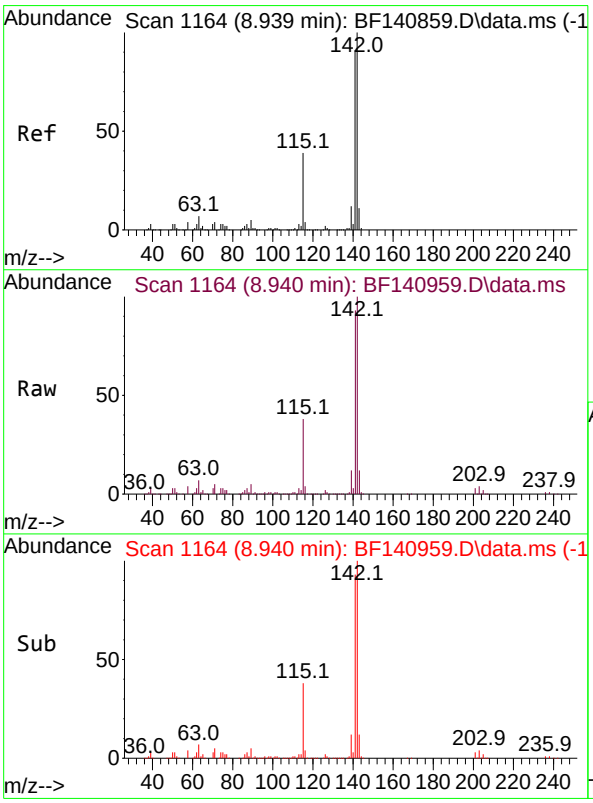
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 71.0 | 106.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

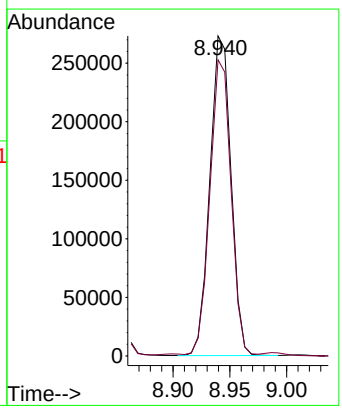
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

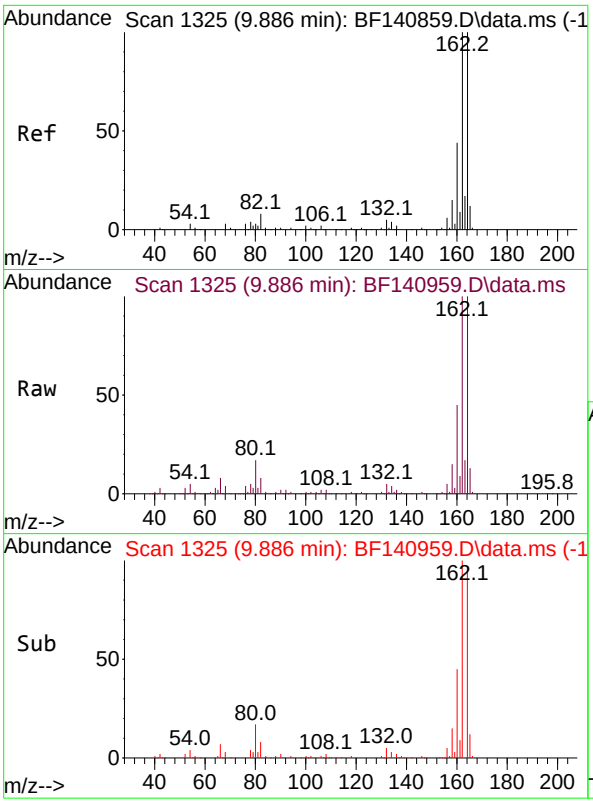



#38
1-Methylnaphthalene
Concen: 39.588 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:142 Resp: 353547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.4 | 110.0 |

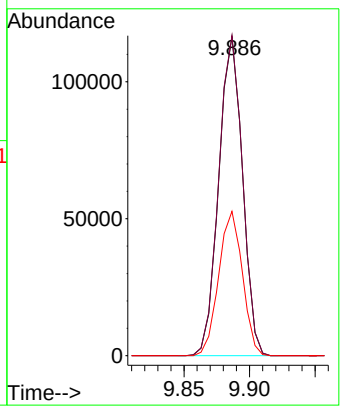





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

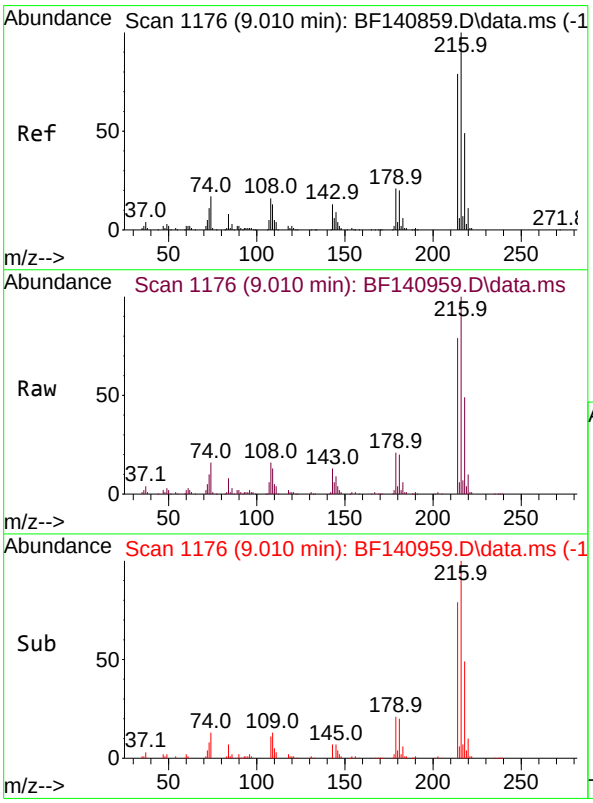
Tgt Ion:164 Resp: 14613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 79.9 | 119.9 |
| 160 | 45.3 | 35.2 | 52.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

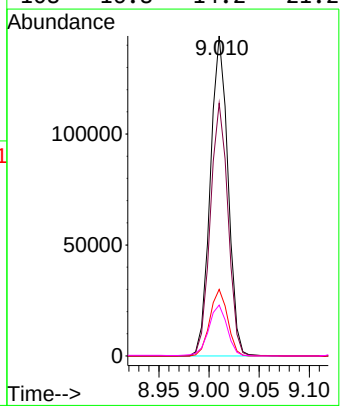
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

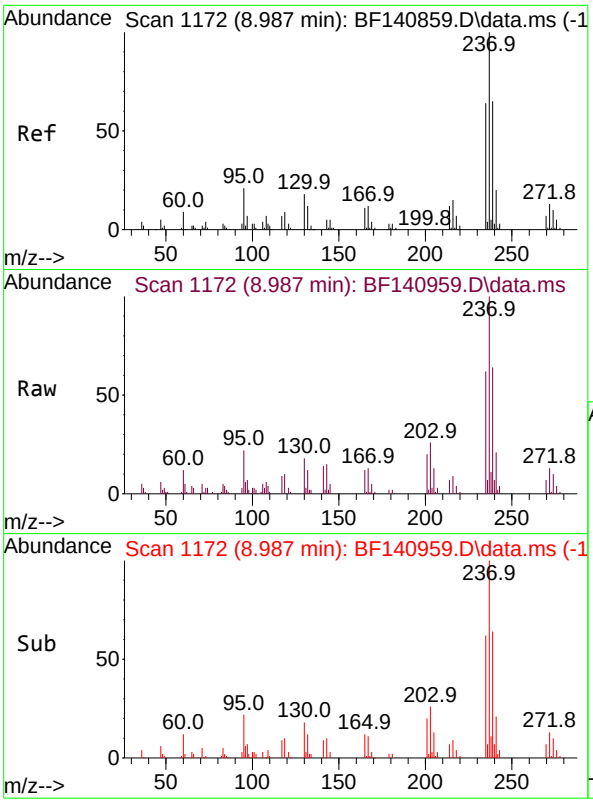



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.312 ng
RT: 9.010 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:216 Resp: 176578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 16.8 | 14.2 | 21.2 |

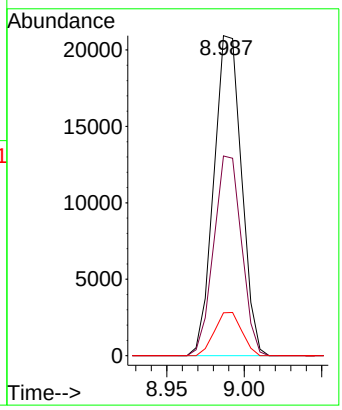





#41
Hexachlorocyclopentadiene
Concen: 28.674 ng
RT: 8.987 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:237 Resp: 2603

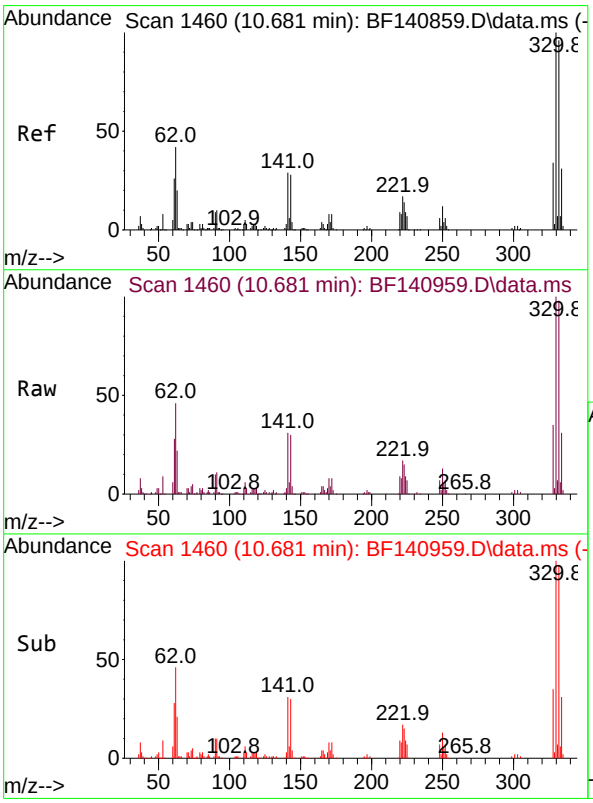
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 43.7 | 83.7 |
| 272 | 13.4 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

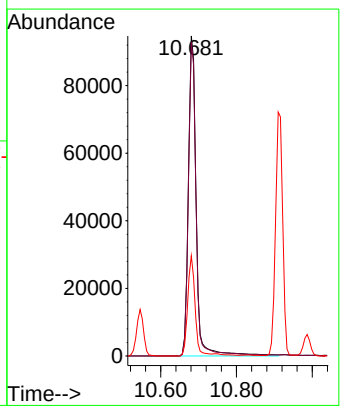
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

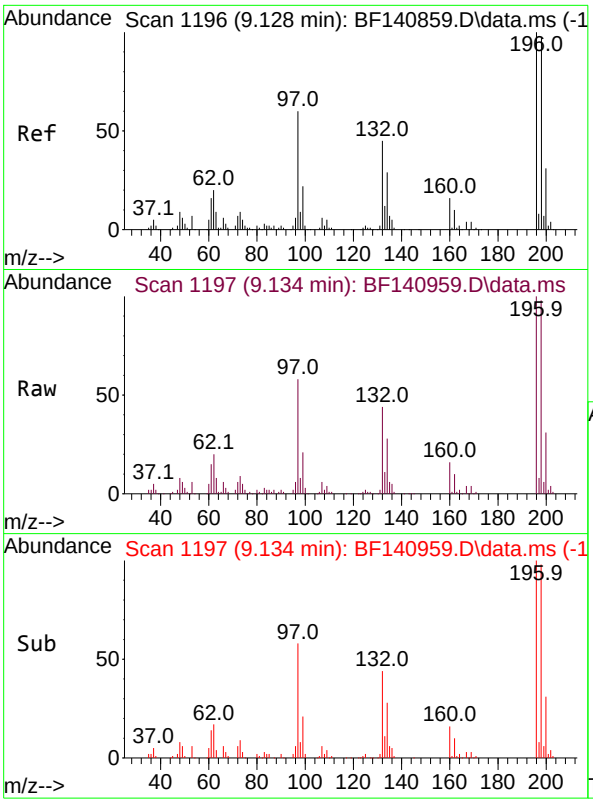



#42
2,4,6-Tribromophenol
Concen: 78.522 ng
RT: 10.681 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:330 Resp: 135717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.2 | 114.4 |
| 141 | 29.0 | 24.9 | 37.3 |

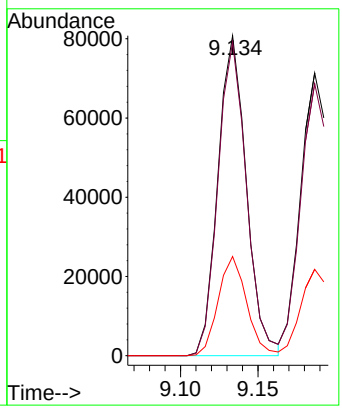





#43
2,4,6-Trichlorophenol
Concen: 37.469 ng
RT: 9.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:196 Resp: 10305

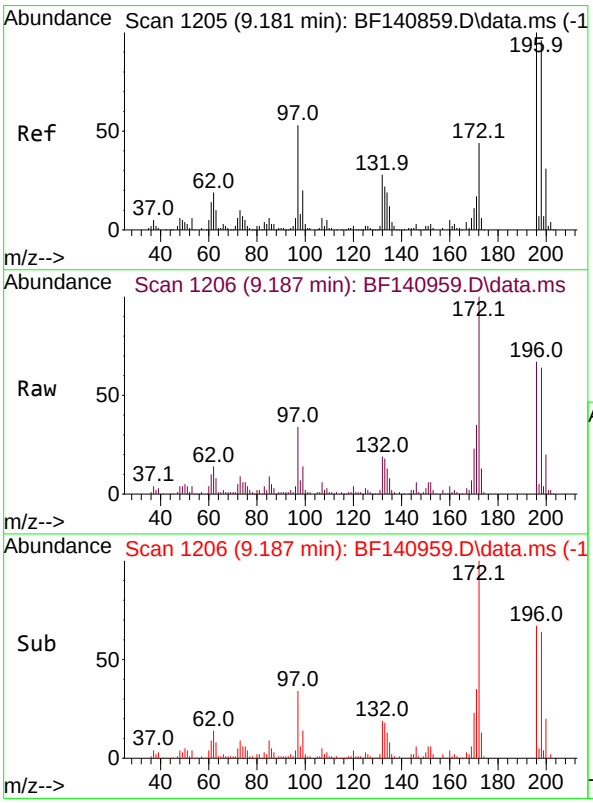
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.0 | 77.4 | 116.0 |
| 200 | 31.0 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

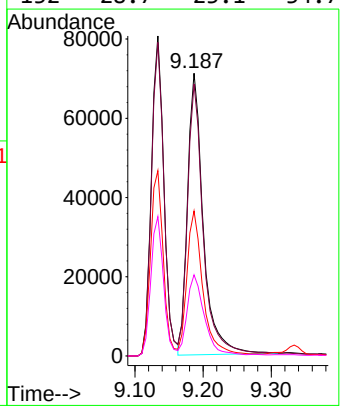
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

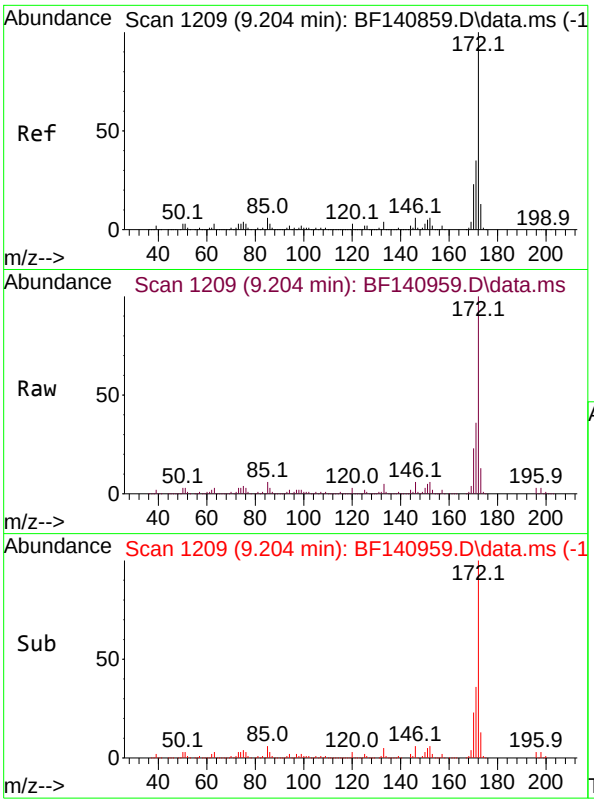



#44
2,4,5-Trichlorophenol
Concen: 37.641 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:196 Resp: 113791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 77.2 | 115.8 |
| 97 | 51.3 | 42.2 | 63.4 |
| 132 | 28.7 | 23.1 | 34.7 |

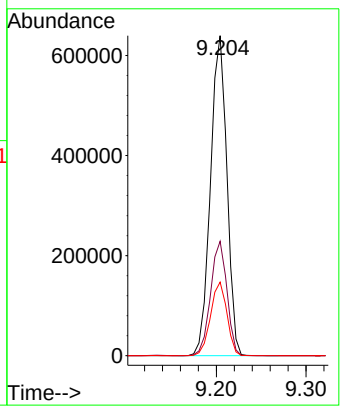





#45
2-Fluorobiphenyl
Concen: 76.352 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:172 Resp: 81156

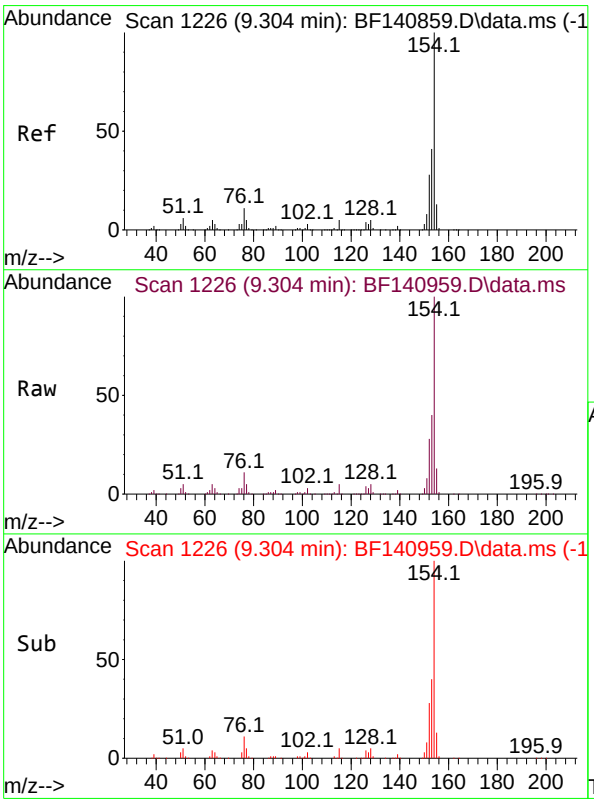
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.4 | 42.6 |
| 170 | 23.0 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

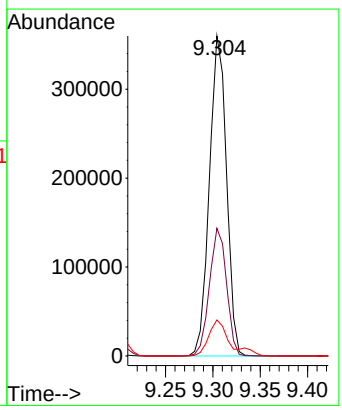
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

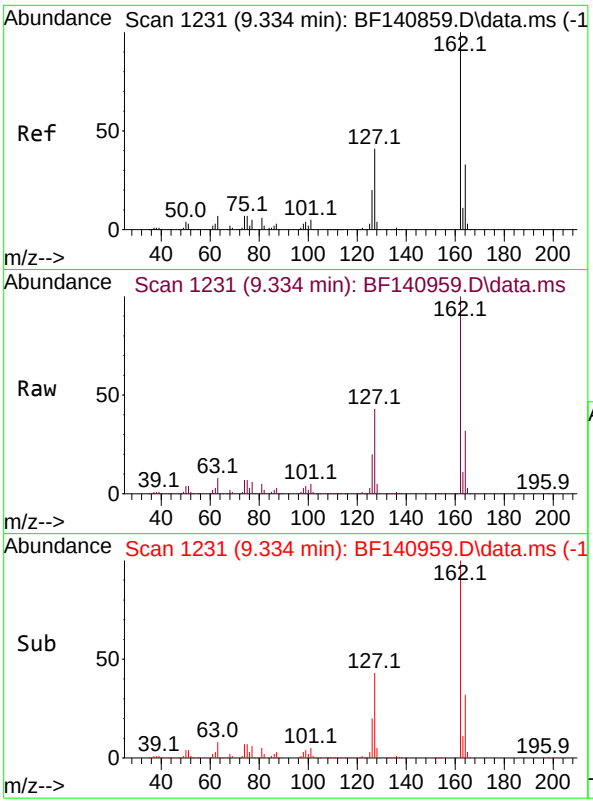



#46
1,1'-Biphenyl
Concen: 38.834 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:154 Resp: 451267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.8 | 60.8 |
| 76 | 11.2 | 0.0 | 31.0 |

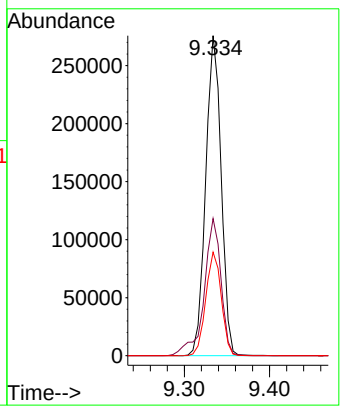





#47
2-Chloronaphthalene
Concen: 39.139 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:162 Resp: 34794

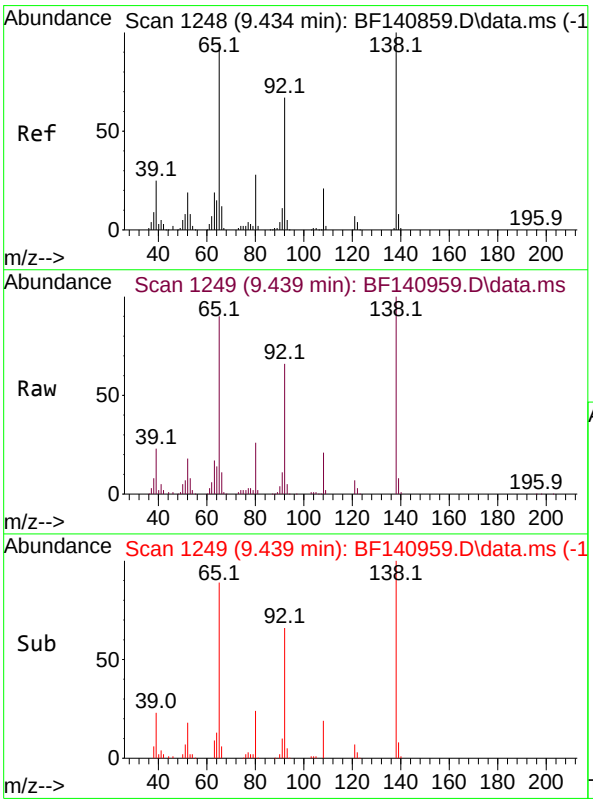
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.9 | 33.5 | 50.3 |
| 164 | 32.3 | 26.2 | 39.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

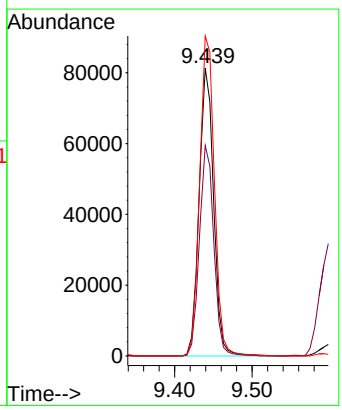
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

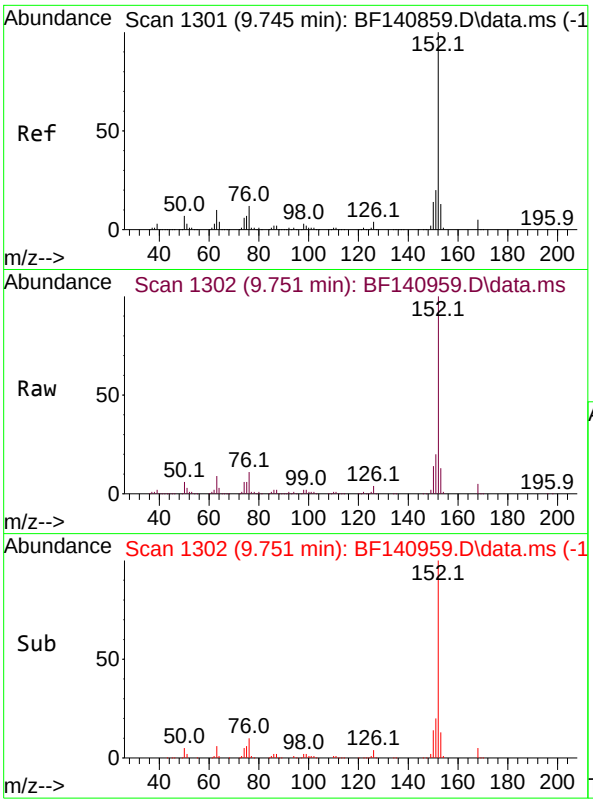



#48
2-Nitroaniline
Concen: 39.384 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 65 Resp: 105740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 56.3 | 84.5 |
| 138 | 111.1 | 83.8 | 125.6 |

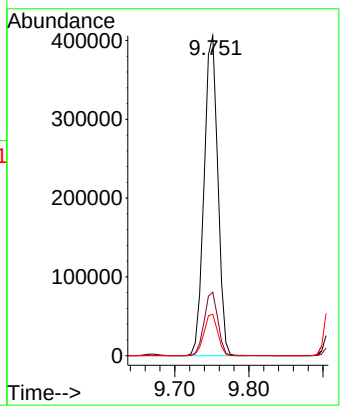





#49
Acenaphthylene
Concen: 40.003 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:152 Resp: 52261

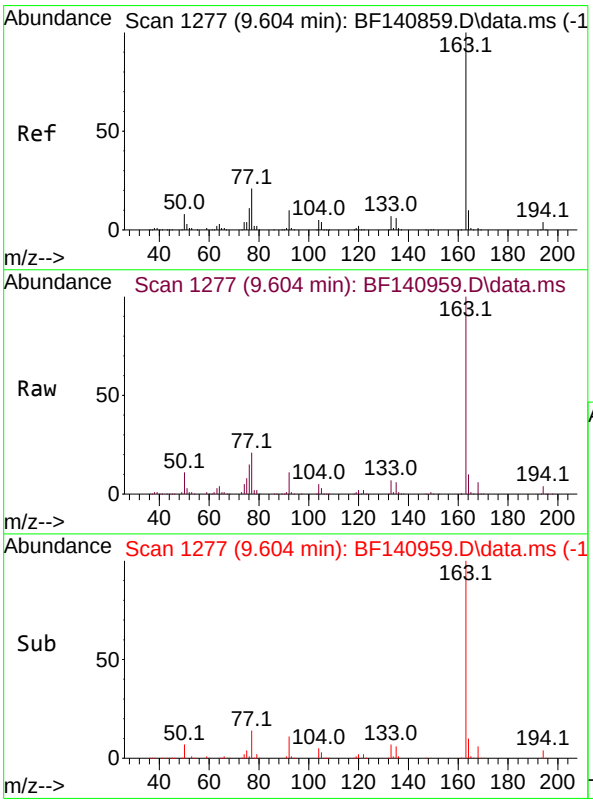
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

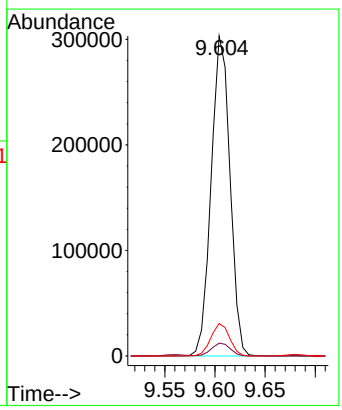
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

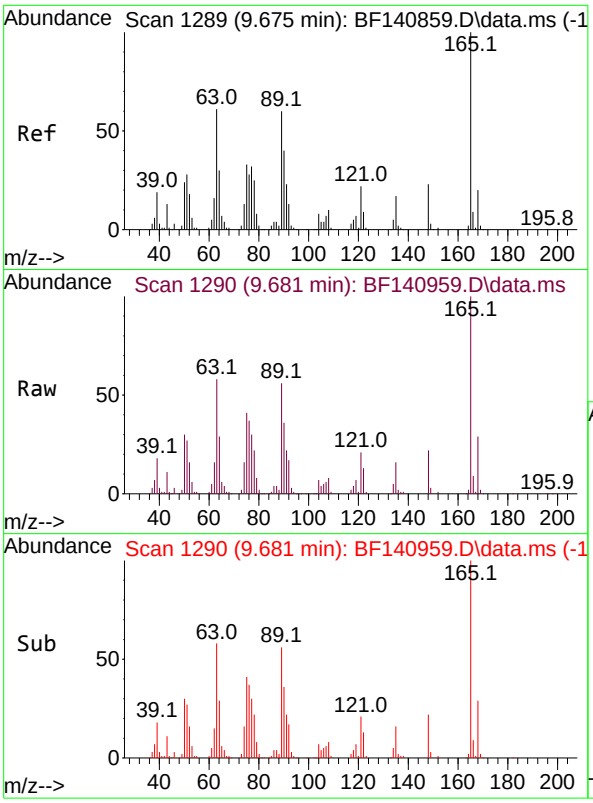



#50
Dimethylphthalate
Concen: 38.322 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:163 Resp: 394835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.2 | 8.1 | 12.1 |

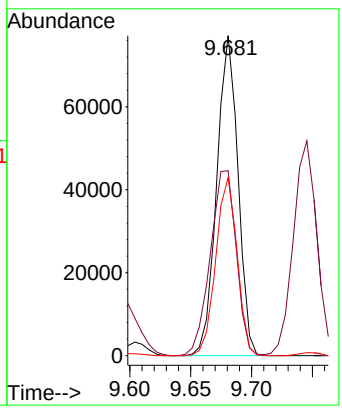





#51
2,6-Dinitrotoluene
Concen: 39.767 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:165 Resp: 9366

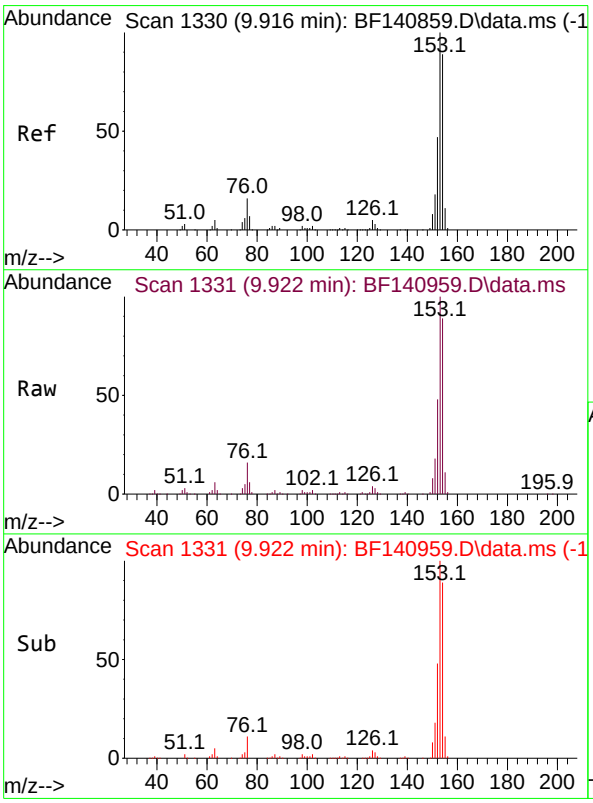
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.8 | 49.7 | 74.5 |
| 89 | 55.6 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

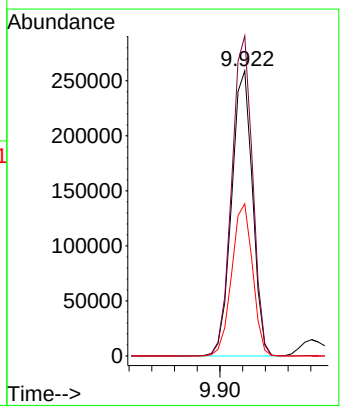
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

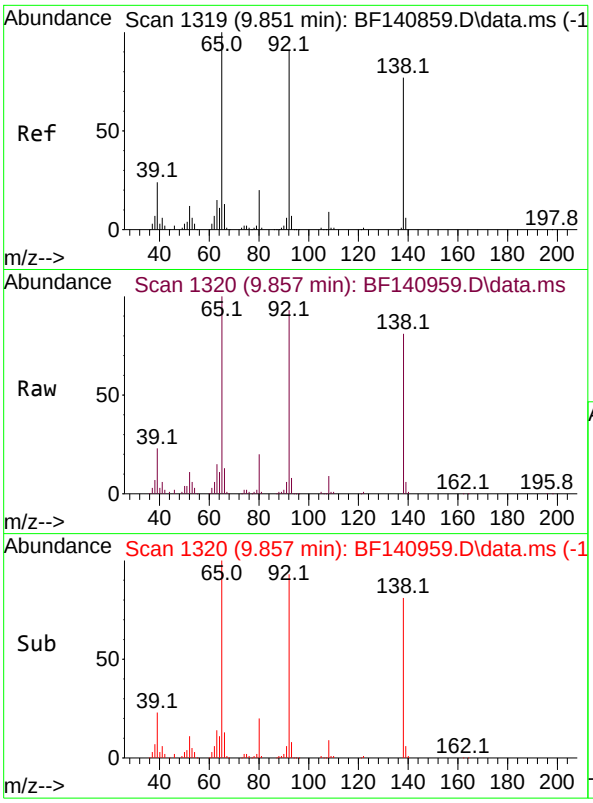



#52
Acenaphthene
Concen: 39.664 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:154 Resp: 331006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.9 | 134.9 |
| 152 | 53.4 | 42.6 | 63.8 |

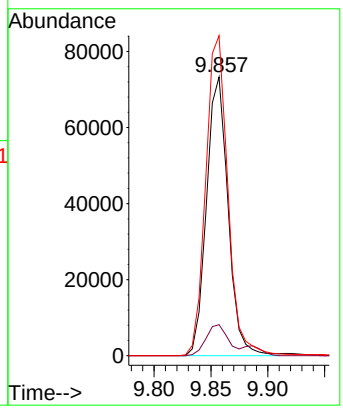





#53
3-Nitroaniline
Concen: 41.485 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:138 Resp: 9696

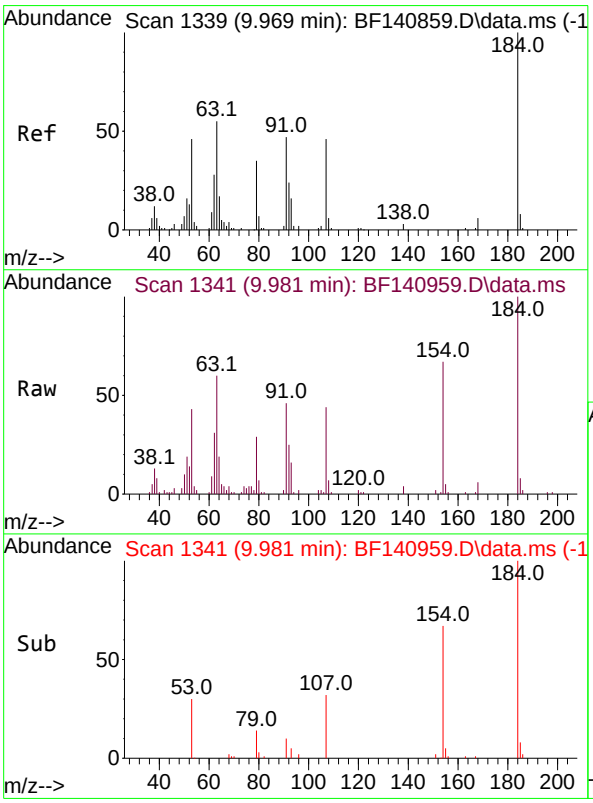
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 114.8 | 95.5 | 143.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

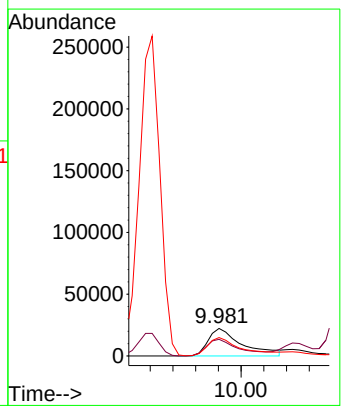
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

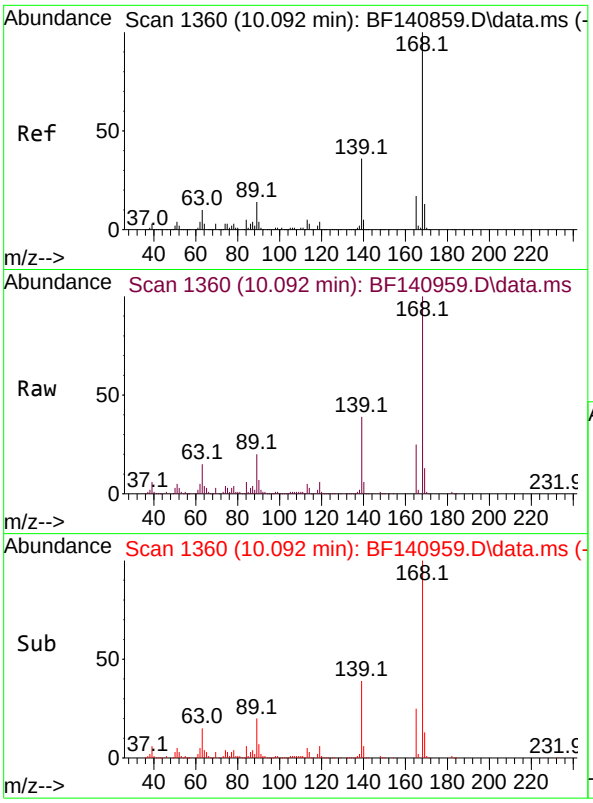



#54
2,4-Dinitrophenol
Concen: 43.346 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:184 Resp: 46064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.2 | 51.6 | 77.4 |
| 154 | 66.7 | 56.1 | 84.1 |

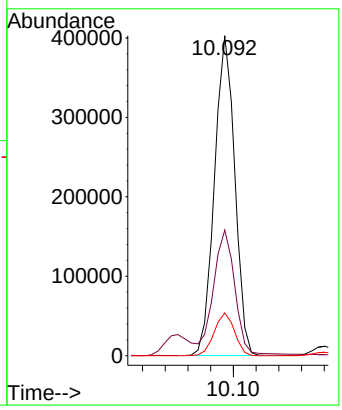





#55
Dibenzofuran
Concen: 38.647 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:168 Resp: 49975

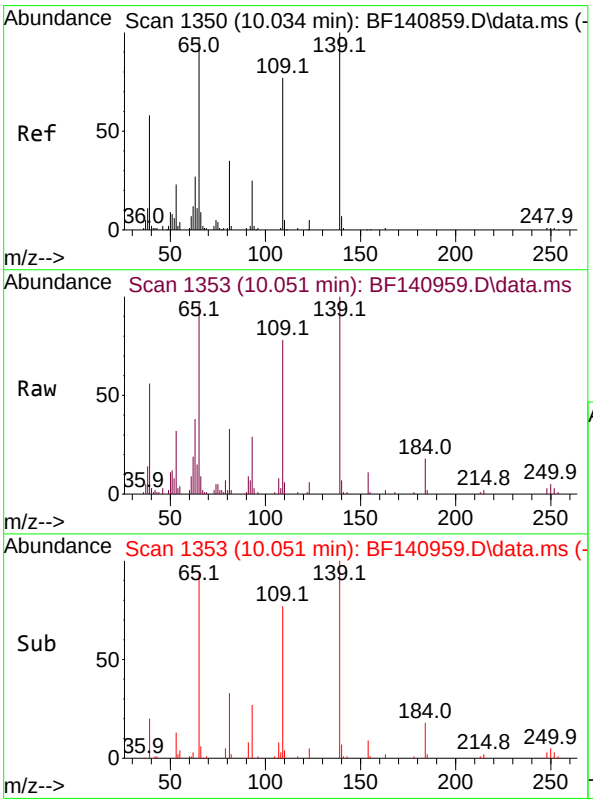
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.3 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

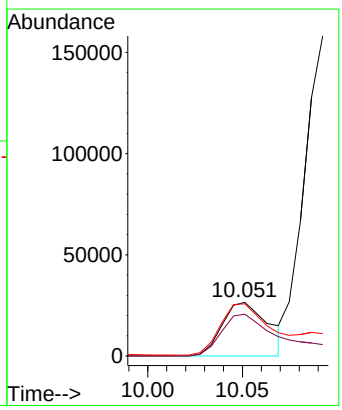
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

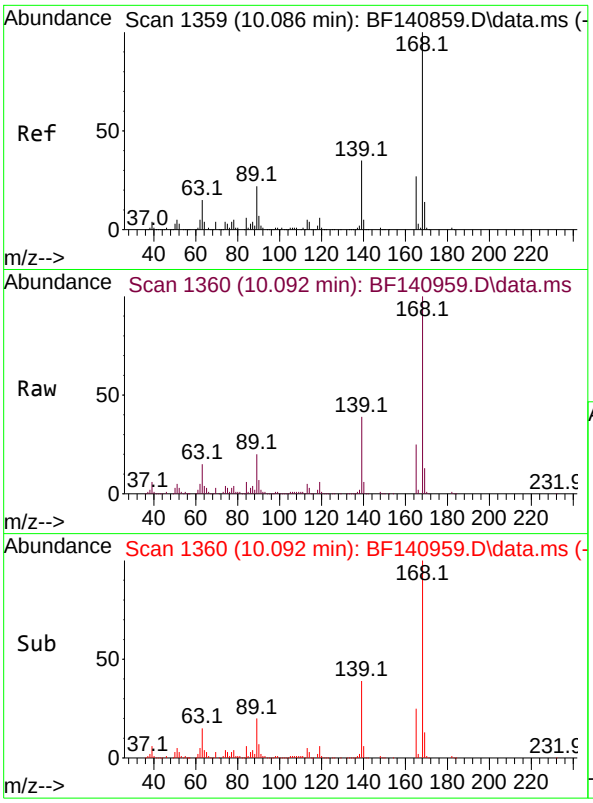



#56
4-Nitrophenol
Concen: 37.930 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:139 Resp: 44580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.9 | 56.7 | 96.7 |
| 65 | 97.2 | 78.1 | 118.1 |

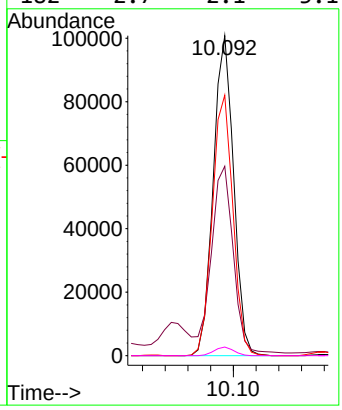





#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:165 Resp: 12532

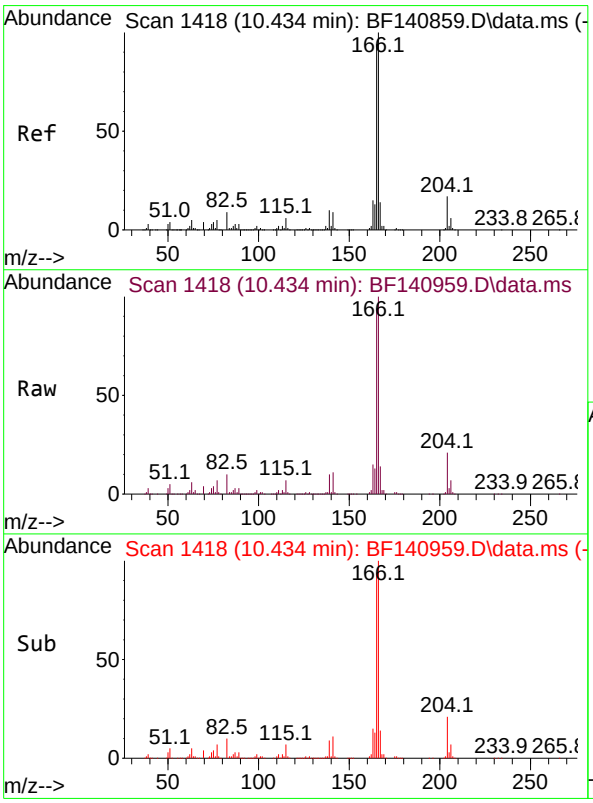
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.2 | 49.3 | 73.9 |
| 89 | 81.4 | 66.2 | 99.4 |
| 182 | 2.7 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

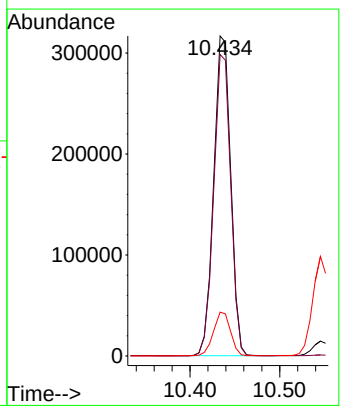
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

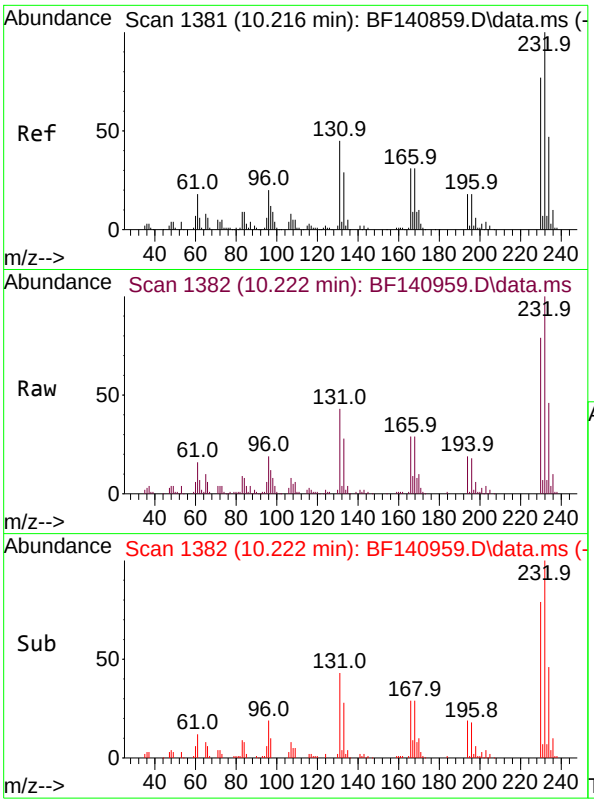



#58
Fluorene
Concen: 39.048 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:166 Resp: 416576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.2 | 75.1 | 112.7 |
| 167 | 13.7 | 11.1 | 16.7 |

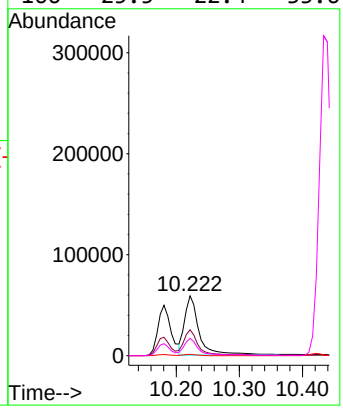





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.667 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:232 Resp: 9278

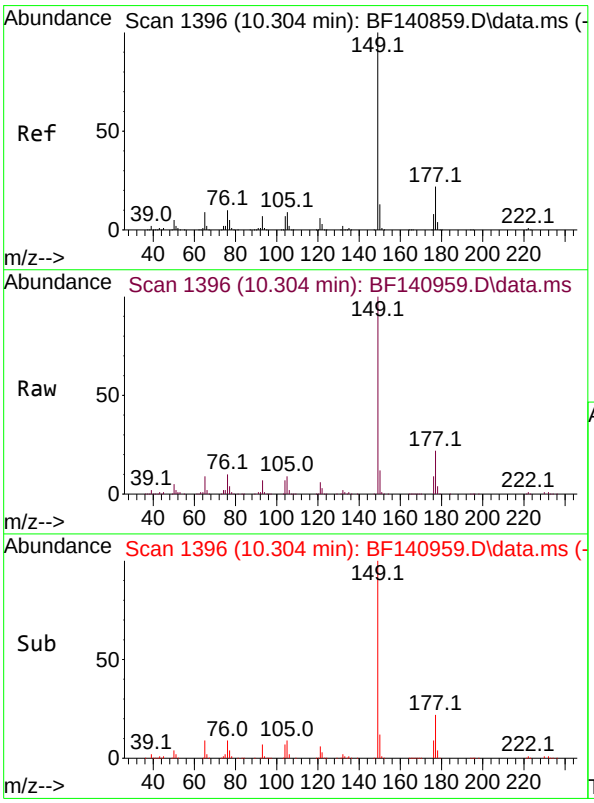
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.5 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 25.5 | 22.4 | 33.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

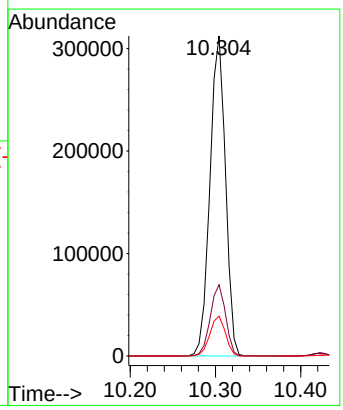
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

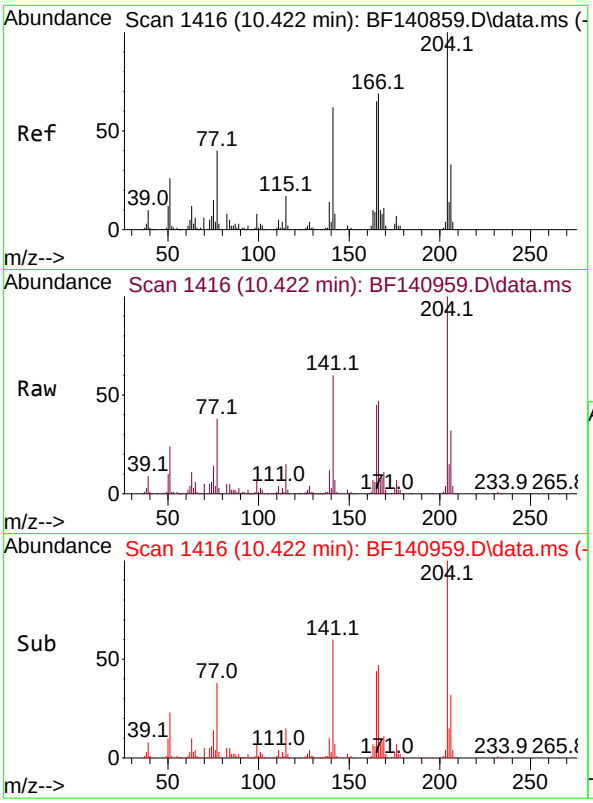



#60
Diethylphthalate
Concen: 37.002 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 395324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |

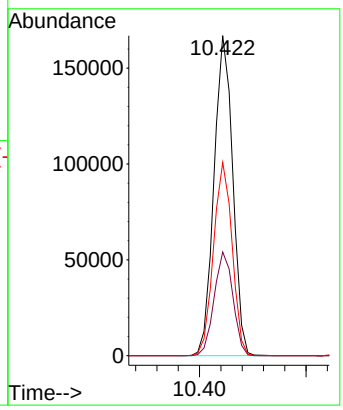





#61
4-Chlorophenyl-phenylether
Concen: 37.979 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:204 Resp: 20352

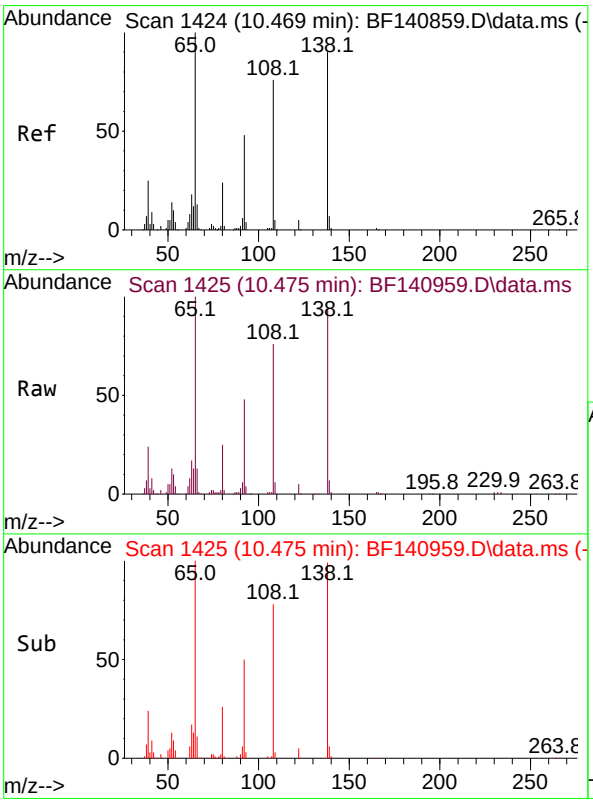
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.5 | 39.7 |
| 141 | 60.4 | 50.0 | 75.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

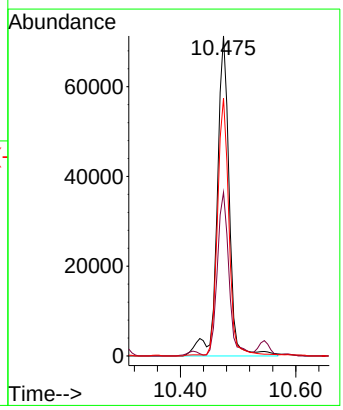
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

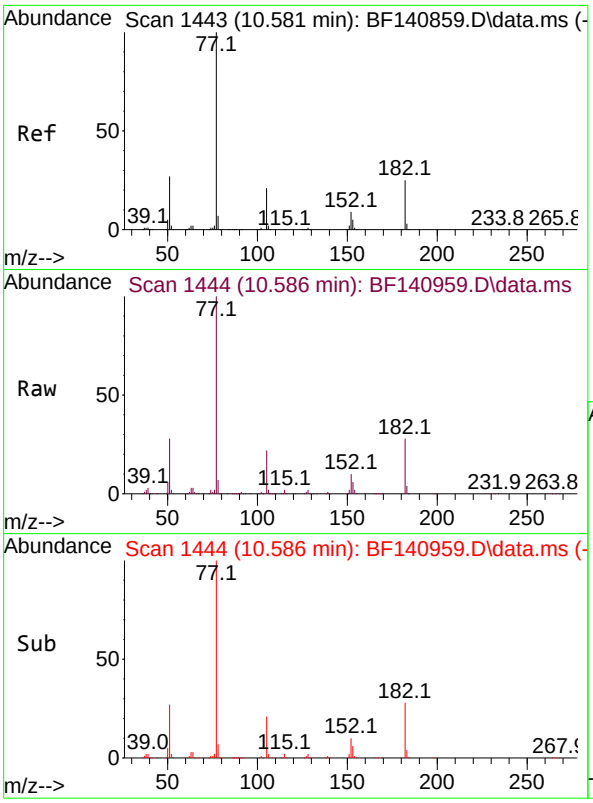



#62
4-Nitroaniline
Concen: 42.614 ng m
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:138 Resp: 104090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.2 | 32.6 | 72.6 |
| 108 | 80.5 | 64.1 | 104.1 |

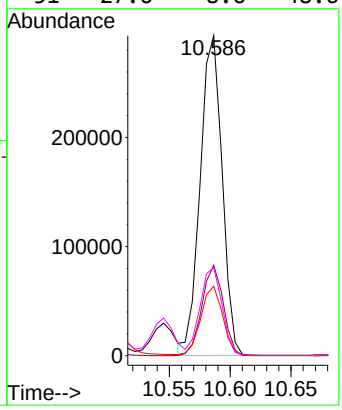





#63
Azobenzene
Concen: 36.682 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 77 Resp: 36843

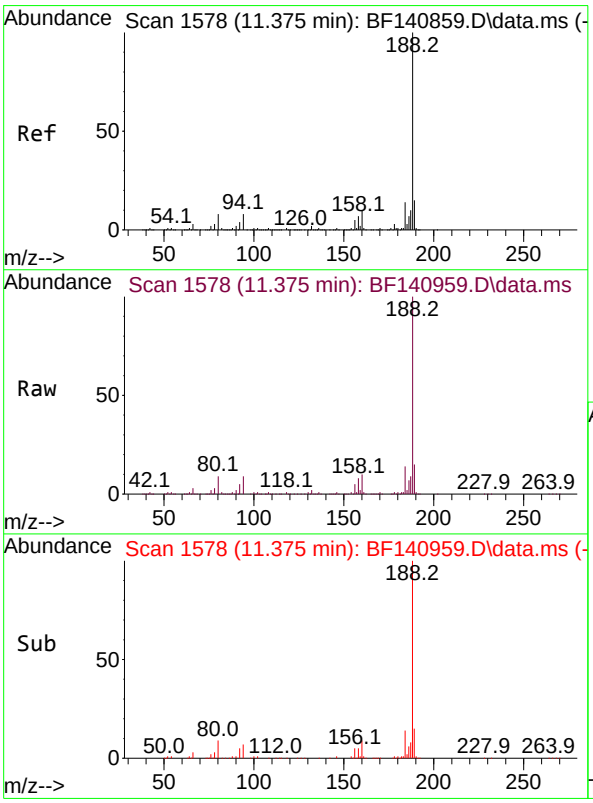
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.3 | 4.5 | 44.5 |
| 105 | 21.7 | 0.9 | 40.9 |
| 51 | 27.6 | 8.6 | 48.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

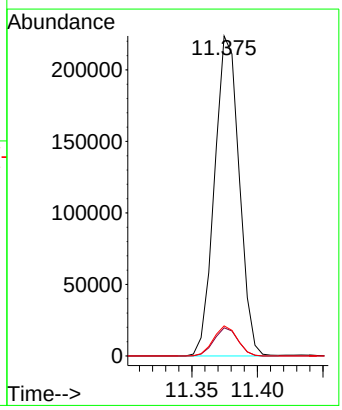
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

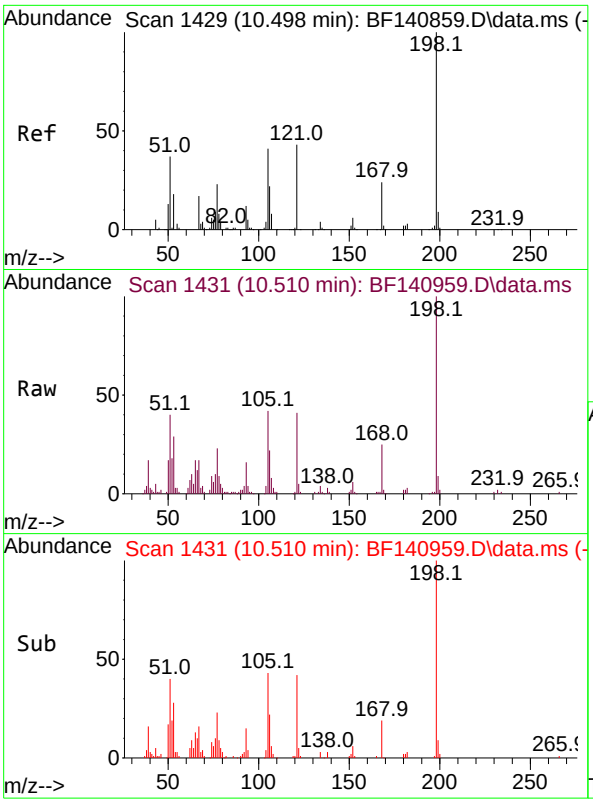



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:188 Resp: 291861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 6.4 | 9.6 |
| 80 | 9.4 | 6.8 | 10.2 |

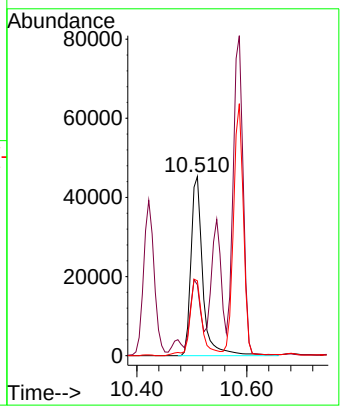





#65
4,6-Dinitro-2-methylphenol
Concen: 40.900 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:198 Resp: 6764

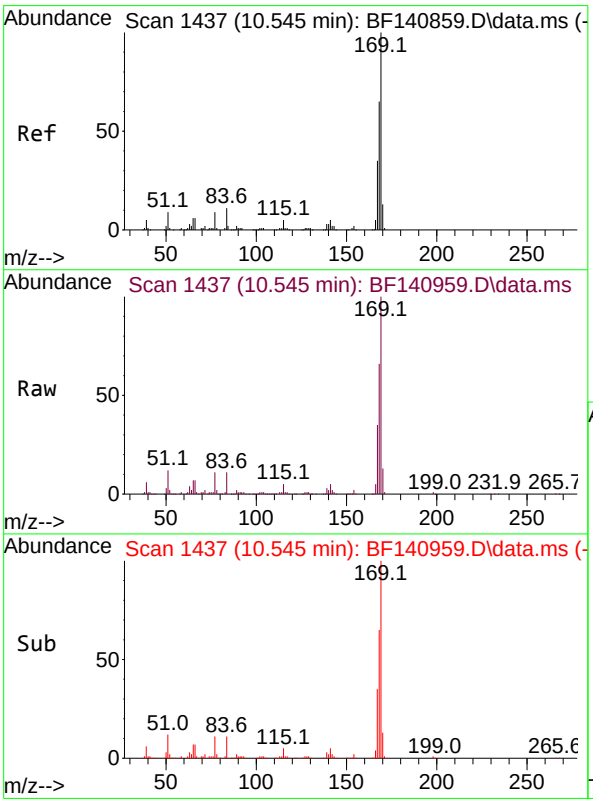
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.6 | 24.4 | 64.4 |
| 105 | 41.8 | 22.1 | 62.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

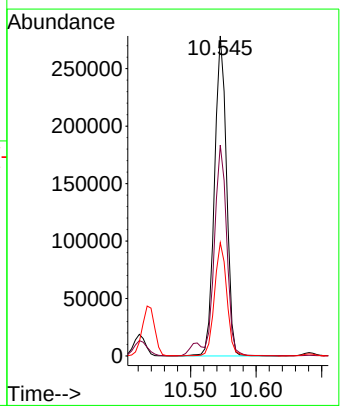
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

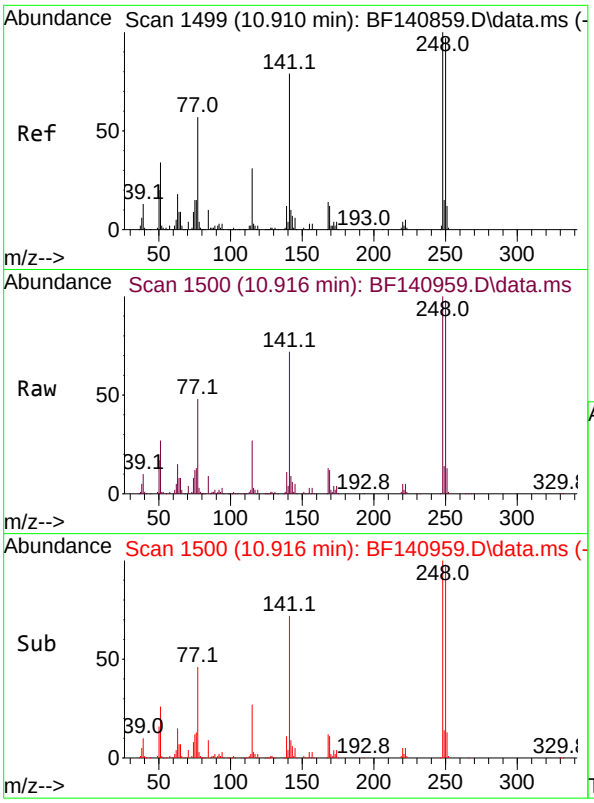



#66
n-Nitrosodiphenylamine
Concen: 39.380 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:169 Resp: 353375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 53.4 | 80.0 |
| 167 | 35.4 | 28.3 | 42.5 |

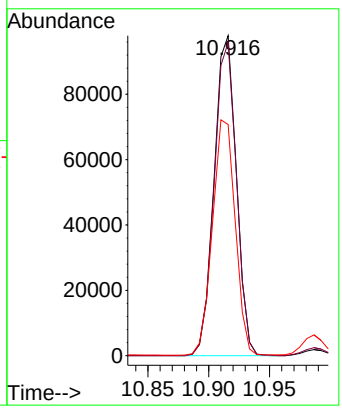





#67
4-Bromophenyl-phenylether
Concen: 38.203 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:248 Resp: 12473

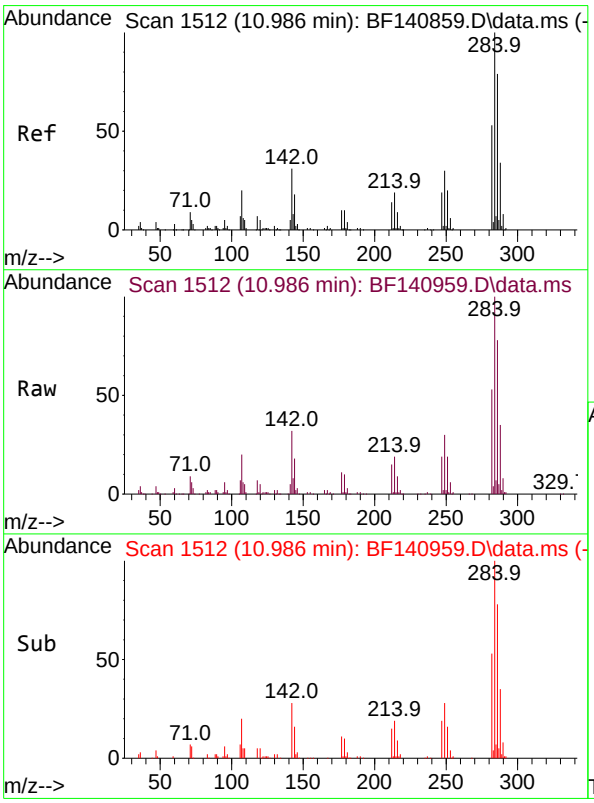
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.4 | 116.2 |
| 141 | 72.3 | 62.9 | 94.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

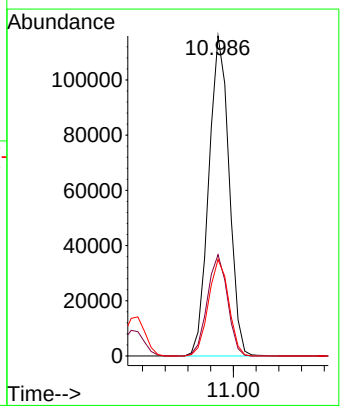
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

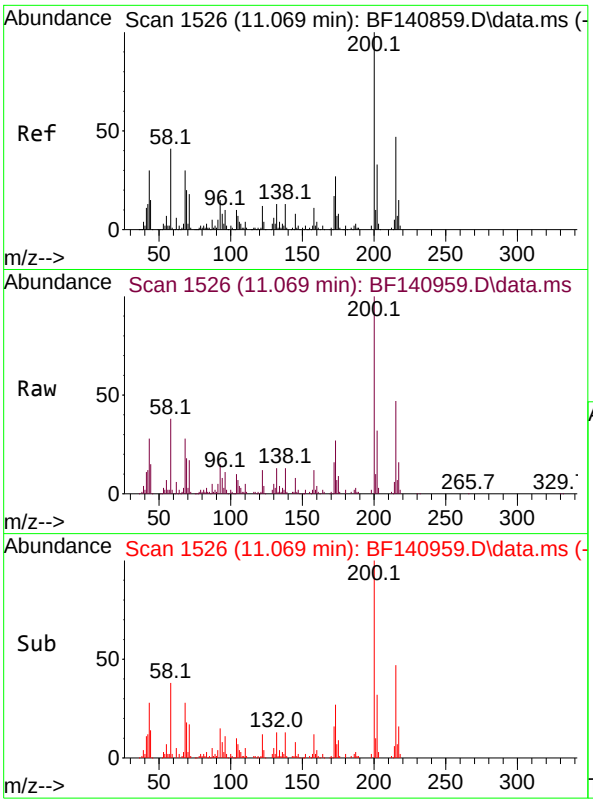



#68
Hexachlorobenzene
Concen: 38.882 ng
RT: 10.986 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:284 Resp: 143941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.7 | 24.6 | 36.8 |
| 249 | 30.1 | 24.3 | 36.5 |

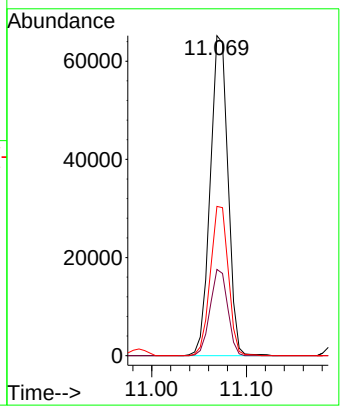





#69
Atrazine
Concen: 33.792 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:200 Resp: 8468

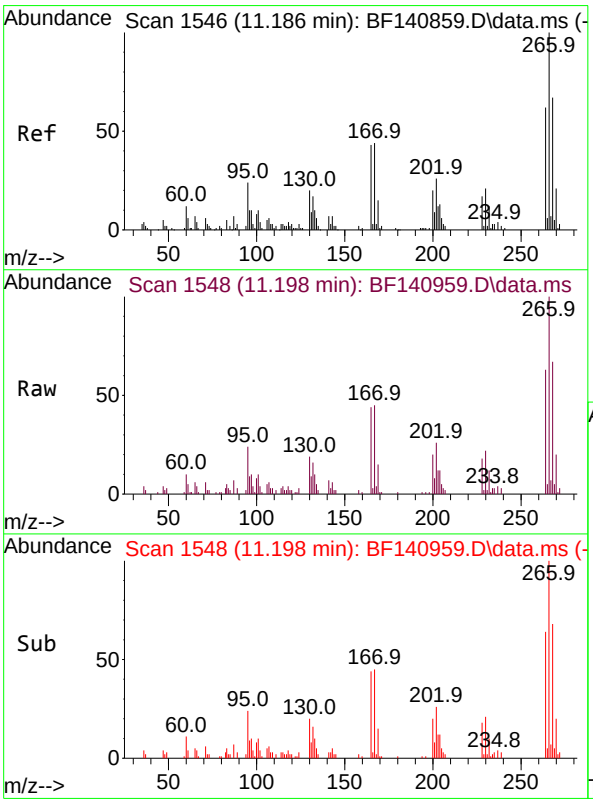
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 6.6 | 46.6 |
| 215 | 46.7 | 26.7 | 66.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**

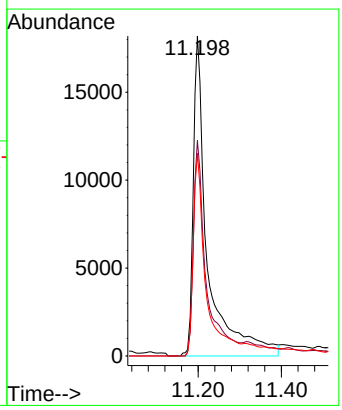
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

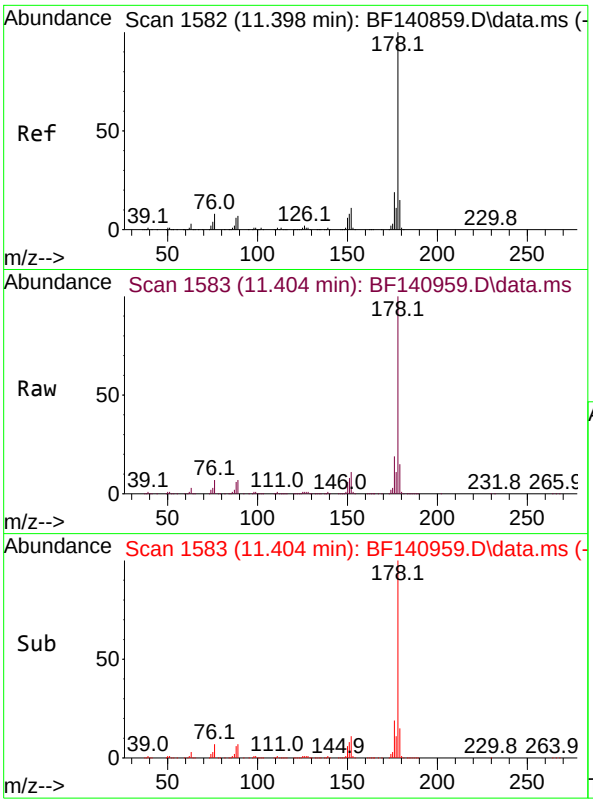



#70
Pentachlorophenol
Concen: 32.340 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:266 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.4 | 54.0 | 81.0 |
| 264 | 63.3 | 49.4 | 74.2 |

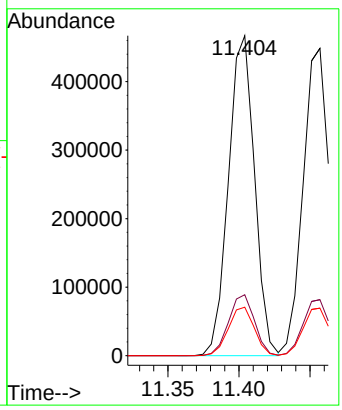





#71
Phenanthrene
Concen: 39.689 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:178 Resp: 59567

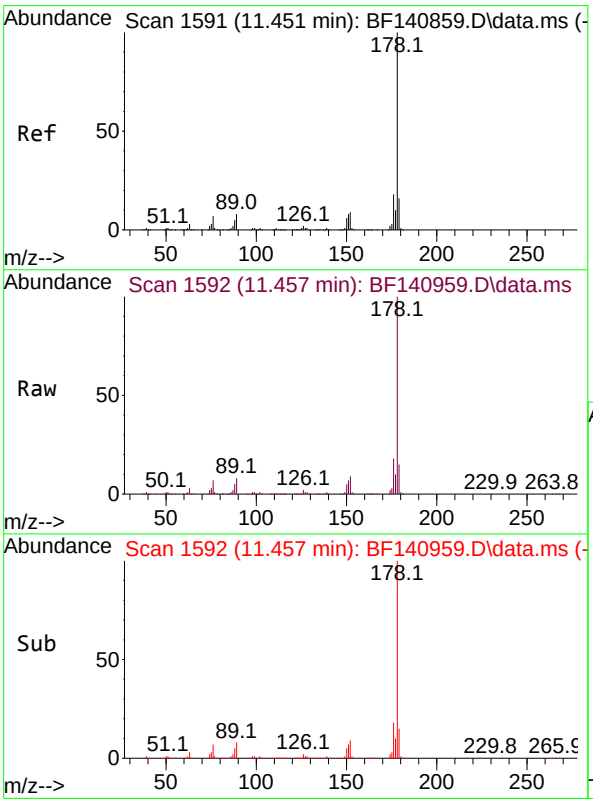
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 15.1 | 12.1 | 18.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

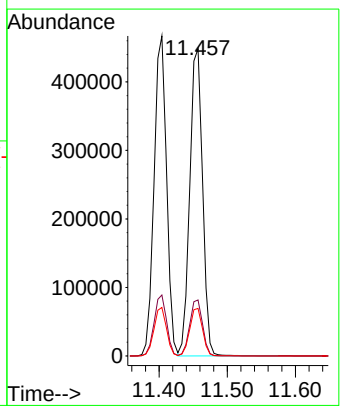
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

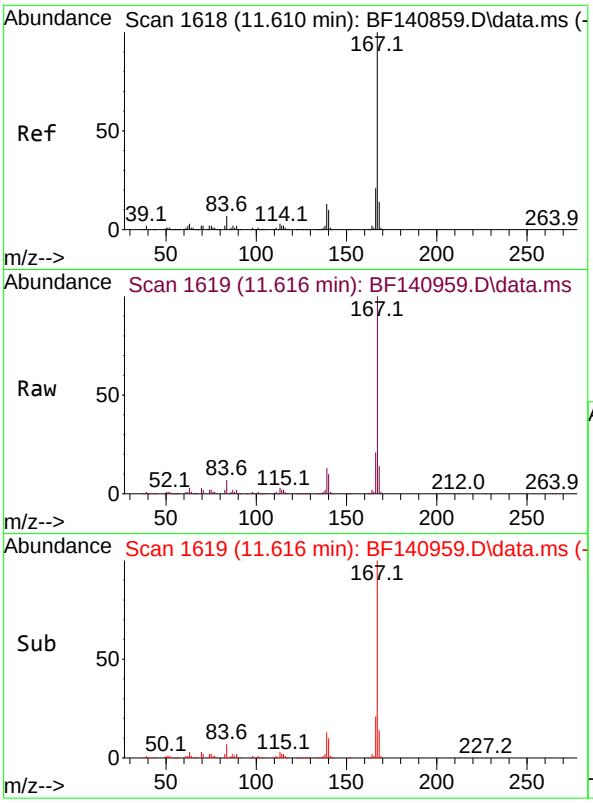



#72
Anthracene
Concen: 39.262 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:178 Resp: 580319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 22.0 |
| 179 | 15.5 | 12.6 | 18.8 |

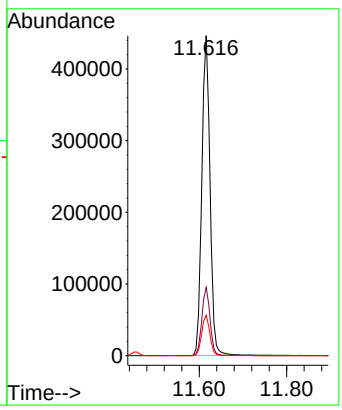





#73
Carbazole
Concen: 40.420 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:167 Resp: 58518

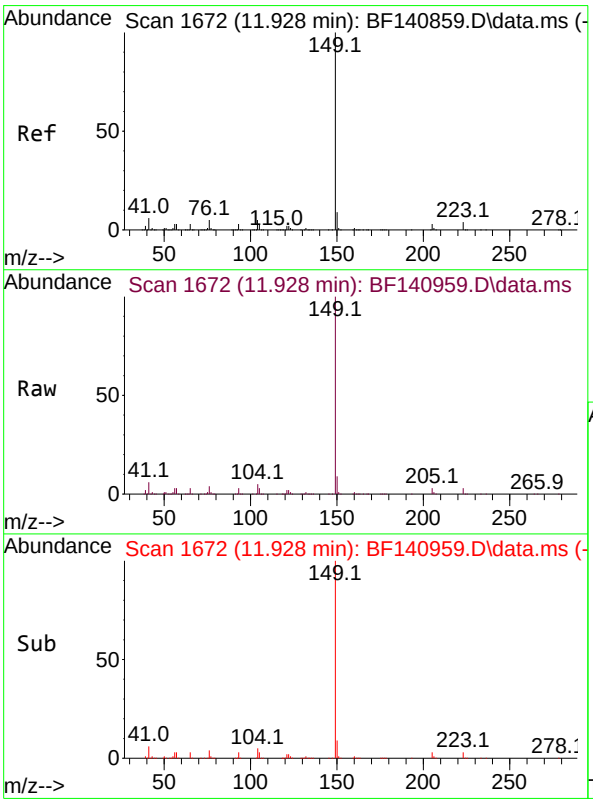
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.6 | 10.2 | 15.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

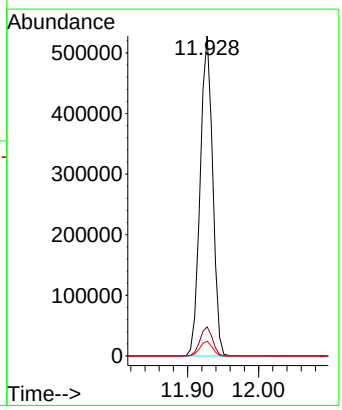
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

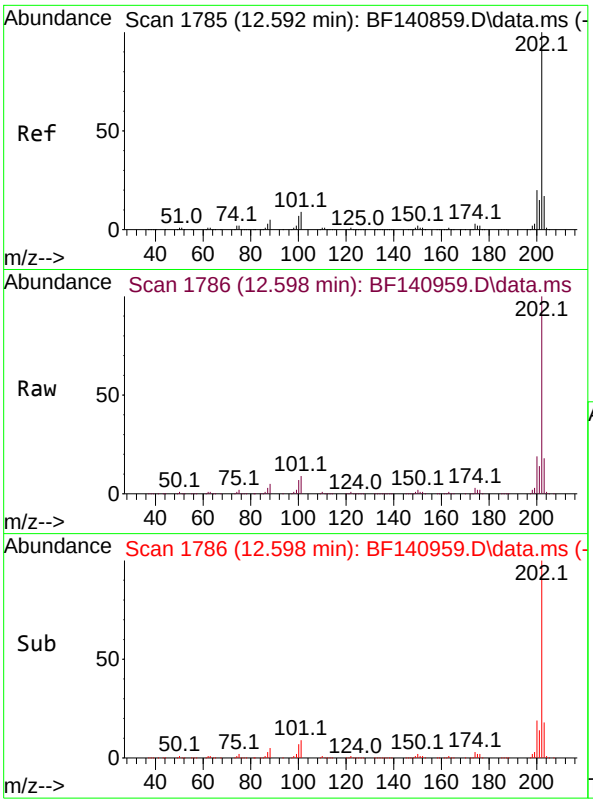



#74
Di-n-butylphthalate
Concen: 38.065 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 646754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |

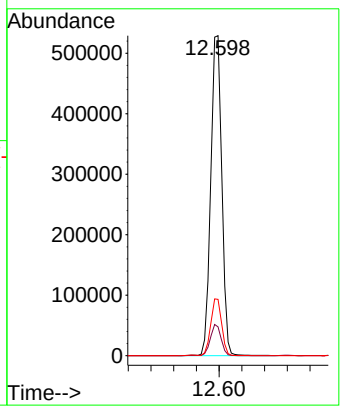





#75
Fluoranthene
Concen: 41.145 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:202 Resp: 71119

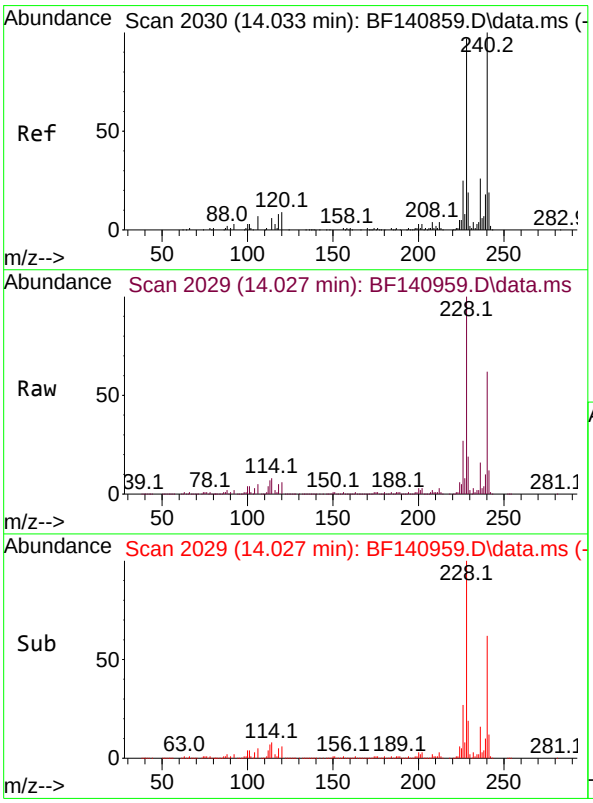
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 29.3 |
| 203 | 17.6 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

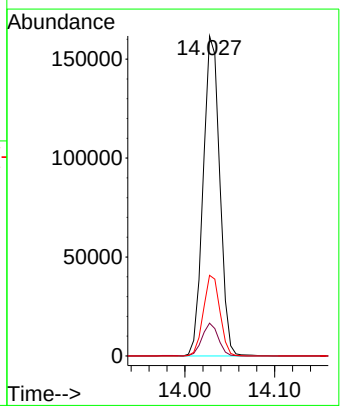
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

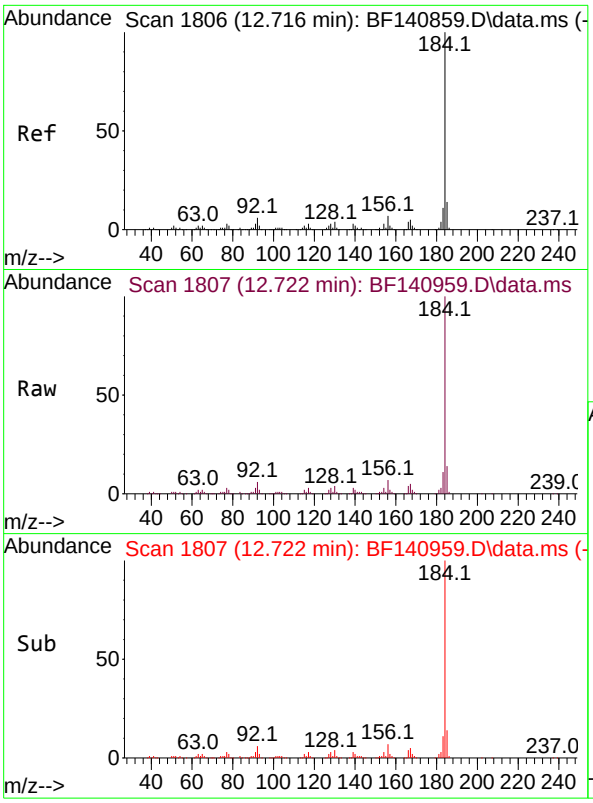



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:240 Resp: 207326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 7.6 | 11.4 |
| 236 | 25.2 | 20.5 | 30.7 |

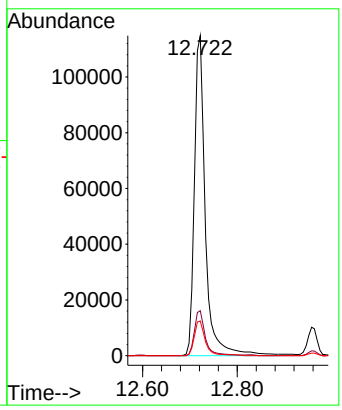





#77
Benzidine
Concen: 43.643 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:184 Resp: 18467

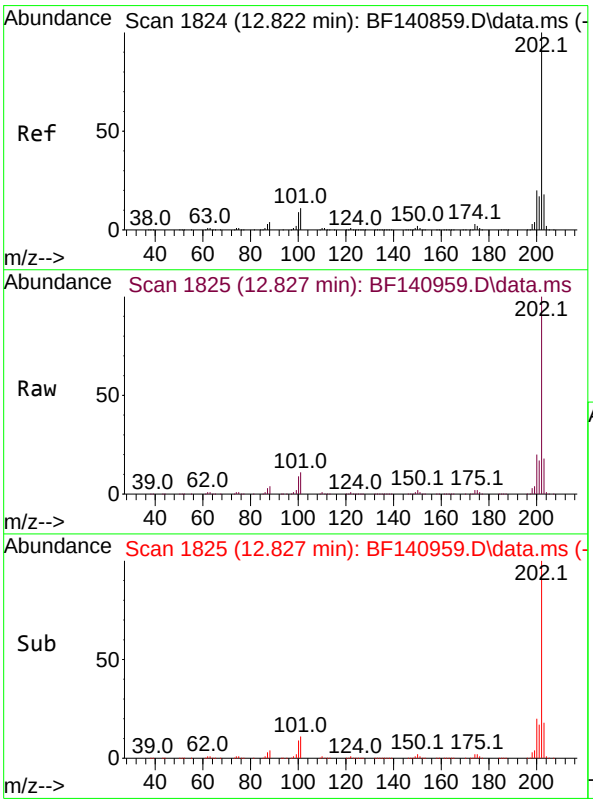
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**

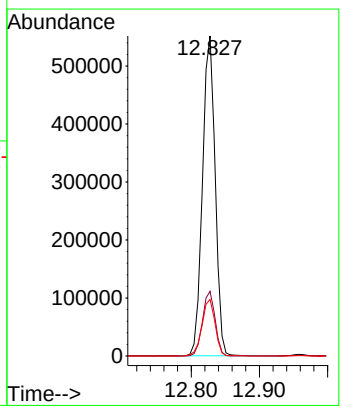
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

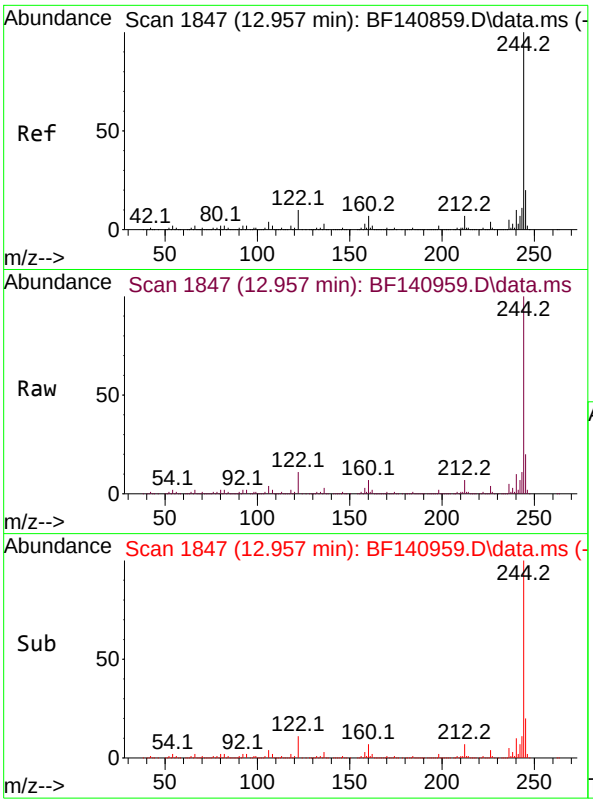



#78
Pyrene
Concen: 38.803 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:202 Resp: 715402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 16.1 | 24.1 |
| 203 | 17.7 | 14.2 | 21.4 |

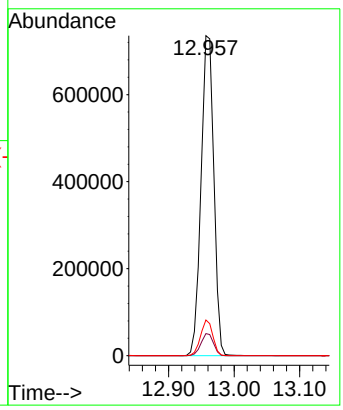





#79
Terphenyl-d14
Concen: 76.158 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:244 Resp: 100132

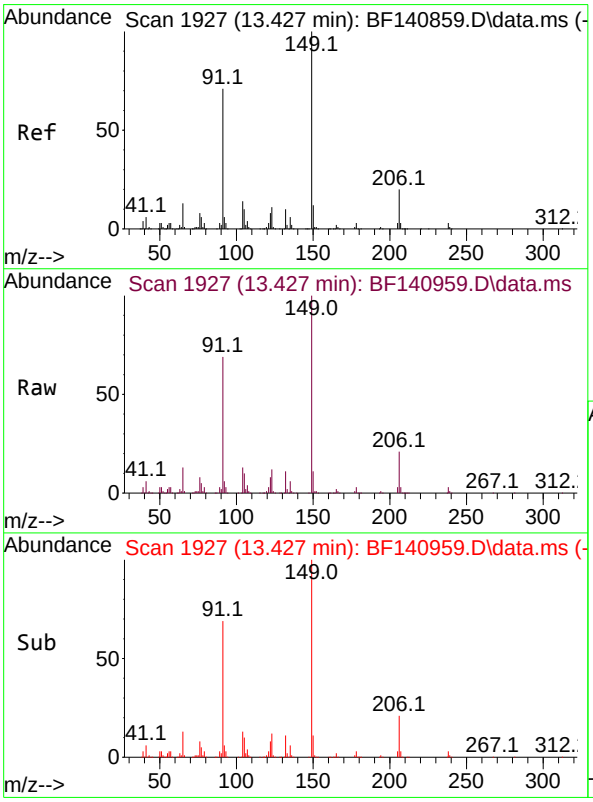
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 11.1 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

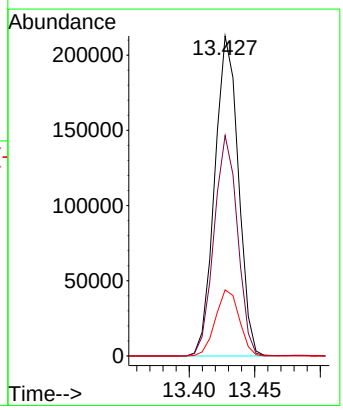
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

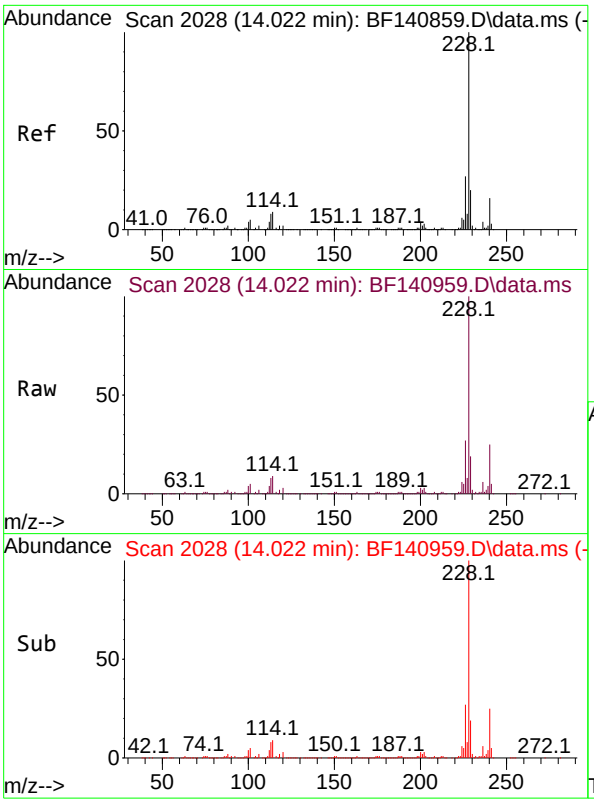



#80
Butylbenzylphthalate
Concen: 39.317 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 266719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.9 | 56.7 | 85.1 |
| 206 | 20.7 | 16.4 | 24.6 |

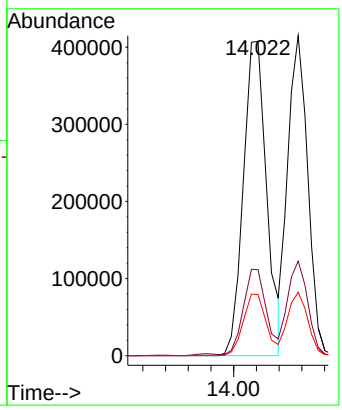





#81
Benzo(a)anthracene
Concen: 39.621 ng
RT: 14.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:228 Resp: 58218

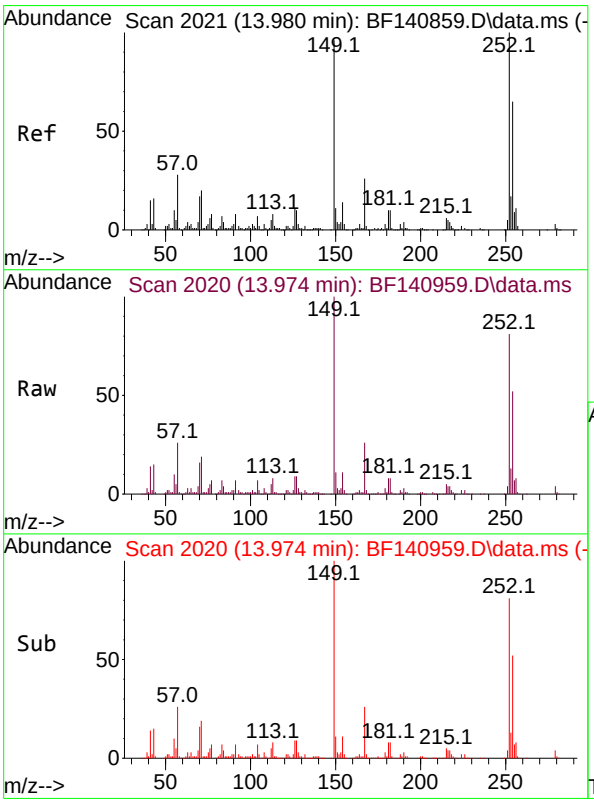
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.4 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

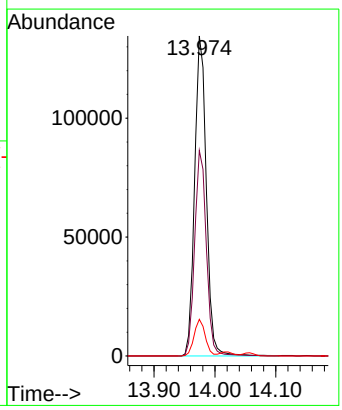
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

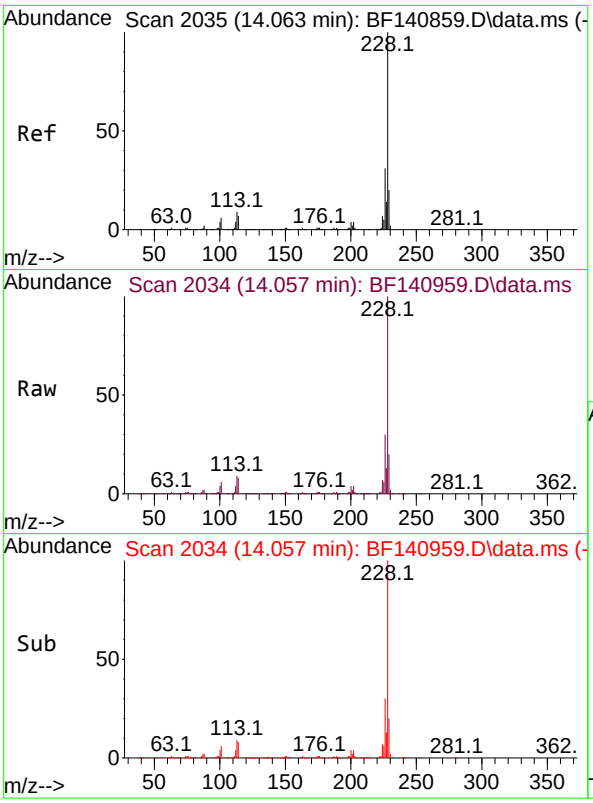



#82
3,3'-Dichlorobenzidine
Concen: 40.550 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 179769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 52.3 | 78.5 |
| 126 | 11.5 | 8.4 | 12.6 |

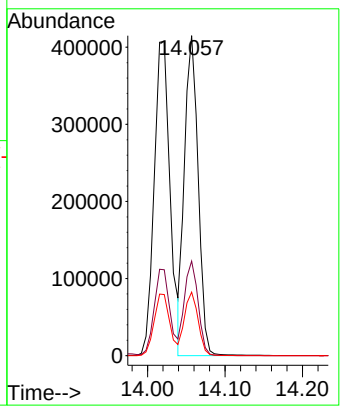





#83
Chrysene
Concen: 38.074 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

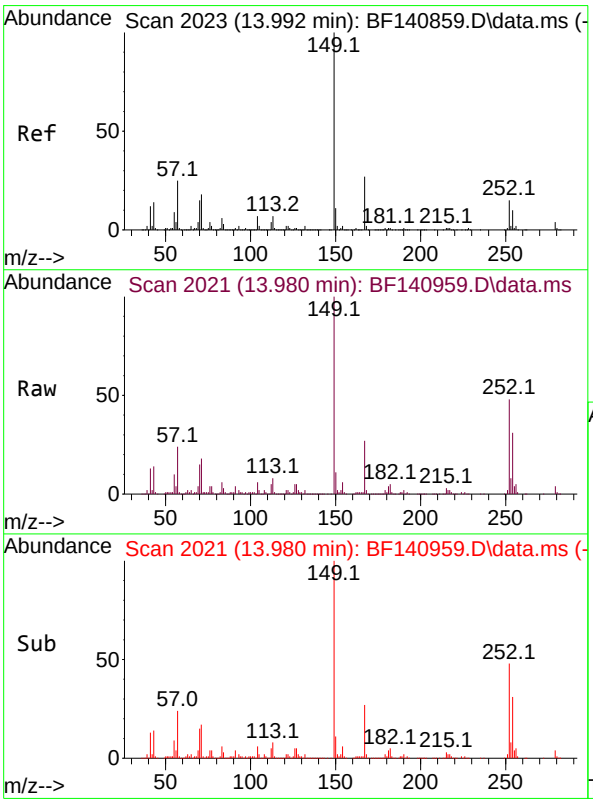
Tgt Ion:228 Resp: 50873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

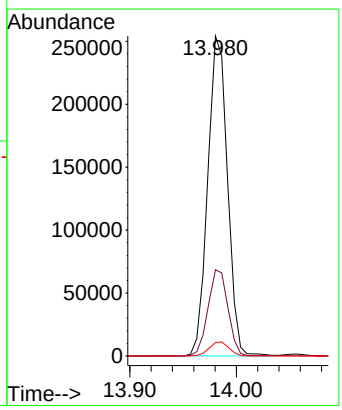
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

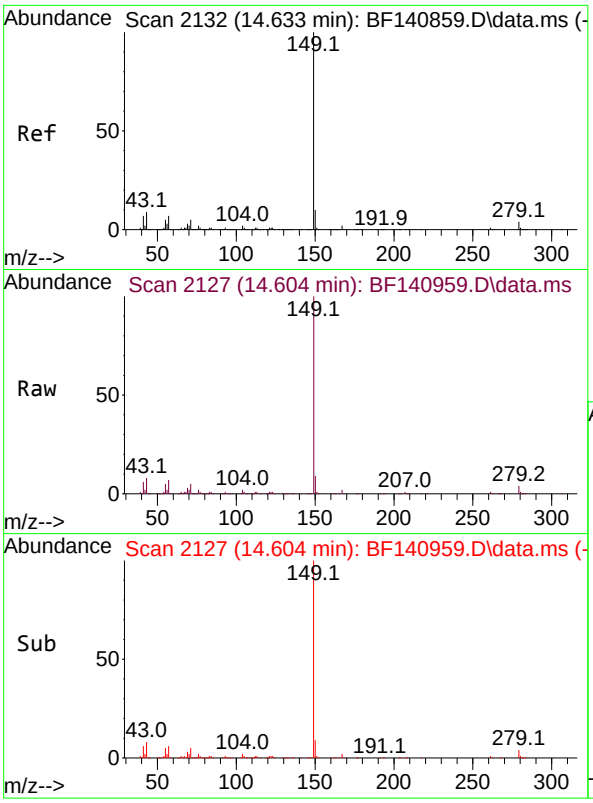



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.465 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 327711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.8 | 32.8 |
| 279 | 4.2 | 3.5 | 5.3 |

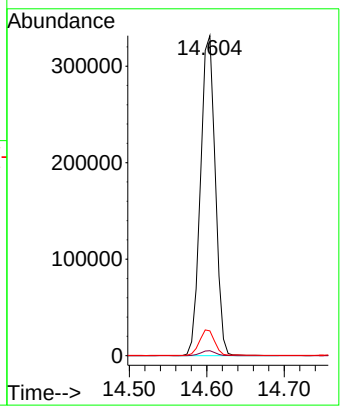





#85
Di-n-octyl phthalate
Concen: 33.196 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 43930

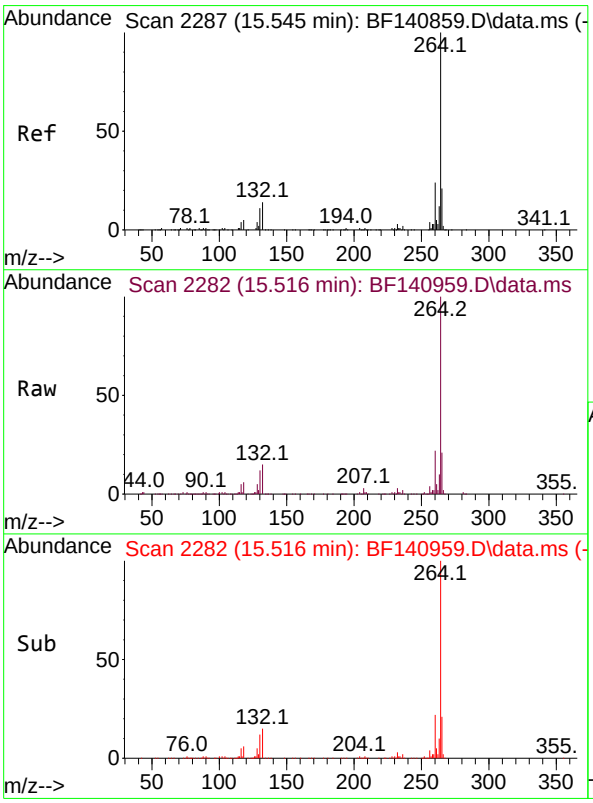
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**

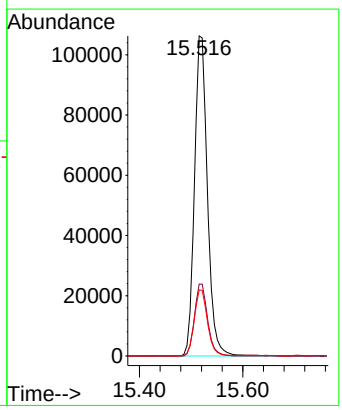
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

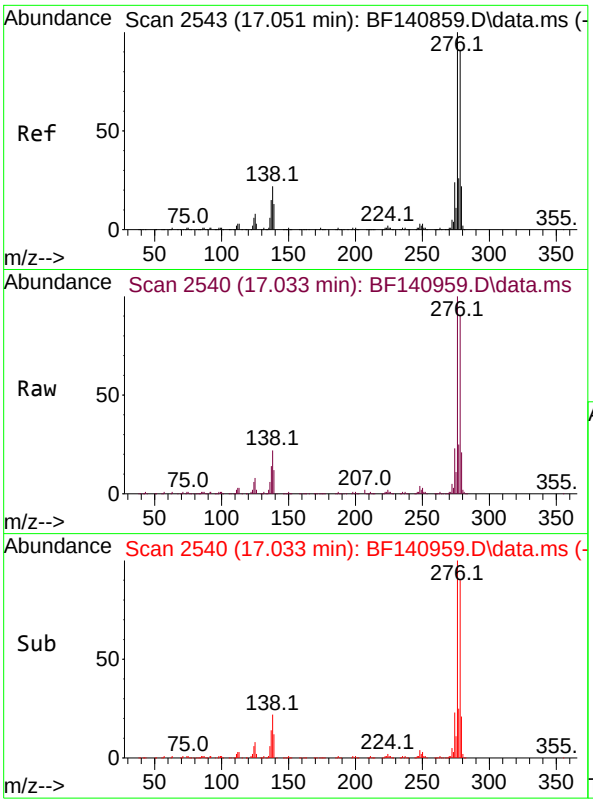



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:264 Resp: 184556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 19.1 | 28.7 |
| 265 | 20.7 | 17.0 | 25.4 |

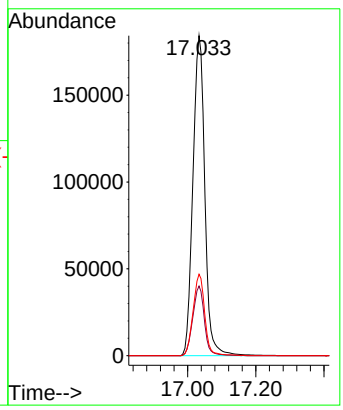





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.707 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:276 Resp: 44578

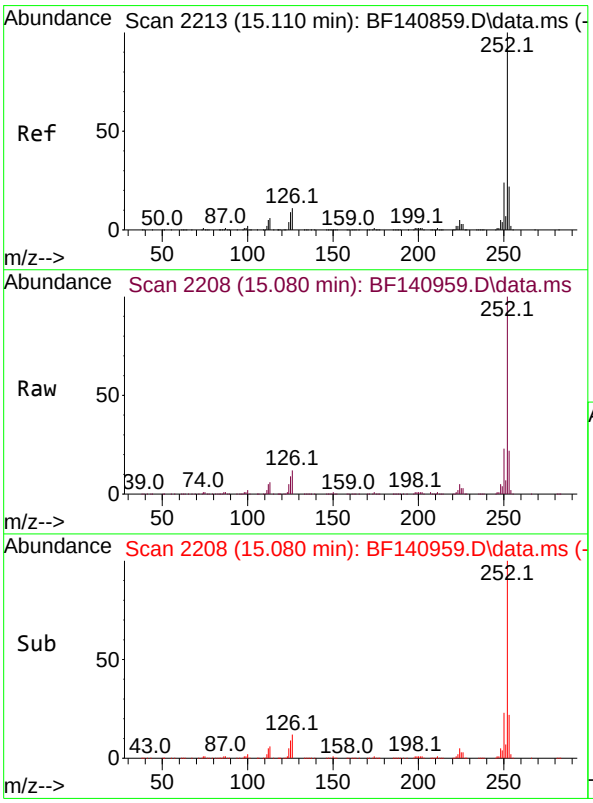
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 16.9 | 25.3 |
| 277 | 24.9 | 20.2 | 30.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

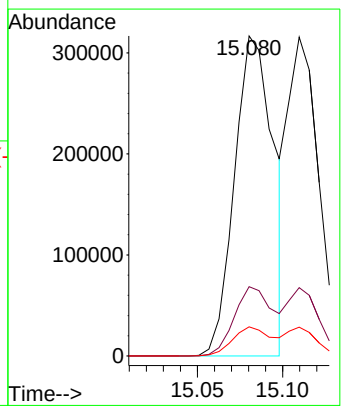
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

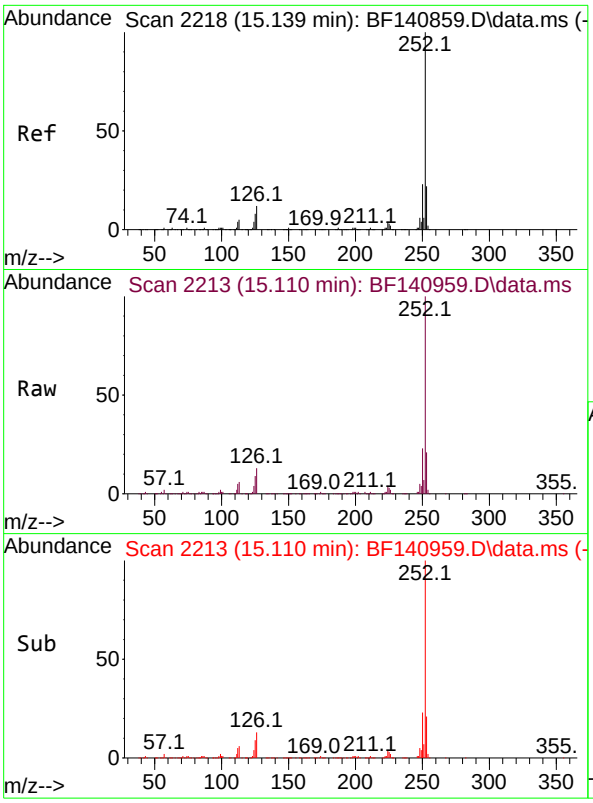



#88
Benzo(b)fluoranthene
Concen: 39.375 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 504436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 9.1 | 7.0 | 10.4 |

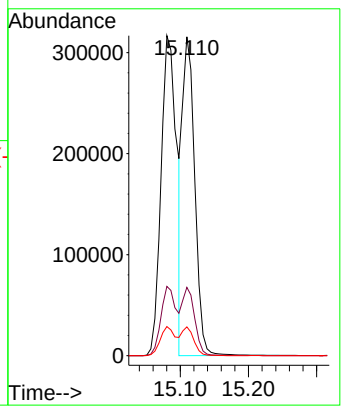





#89
Benzo(k)fluoranthene
Concen: 36.468 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 40075

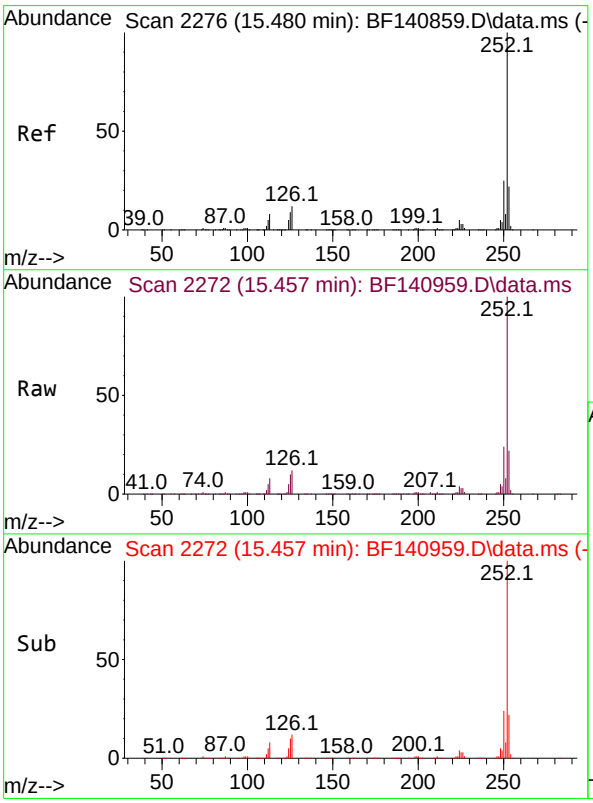
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 9.1 | 6.8 | 10.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations**
**APPROVED**

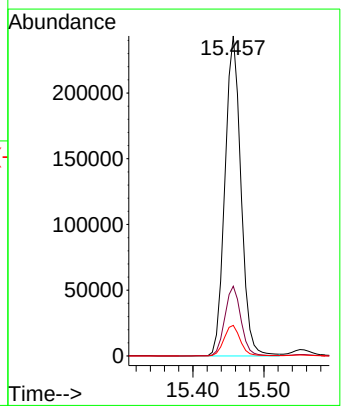
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

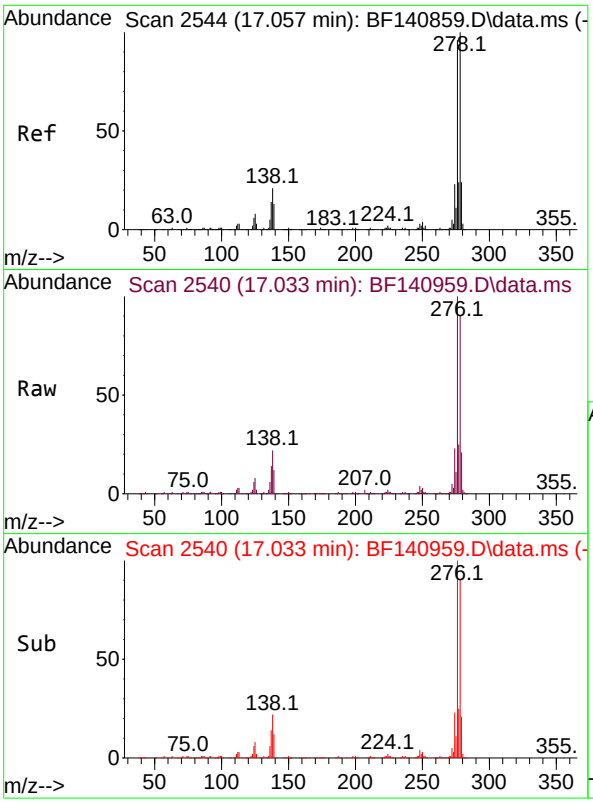



#90
Benzo(a)pyrene
Concen: 37.915 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.023 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 380341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.6 | 7.5 | 11.3 |

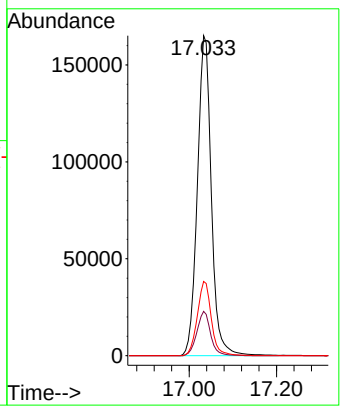





#91
Dibenzo(a,h)anthracene
Concen: 38.537 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

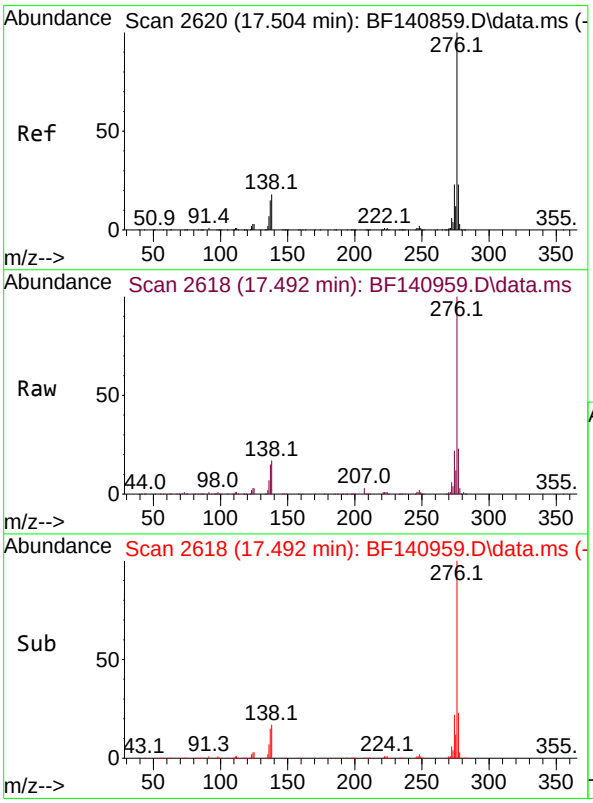
Tgt Ion:278 Resp: 36768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.2 | 19.2 | 28.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

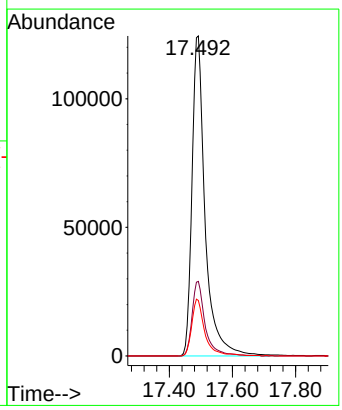
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024




#92
Benzo(g,h,i)perylene
Concen: 37.152 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:276 Resp: 360772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.7 | 28.1 |
| 138 | 17.4 | 14.2 | 21.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.523 | 0.491 | 6.1 | 83 | -0.02 |
| 3 | | Pyridine | 1.212 | 1.170 | 3.5 | 82 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.611 | 0.562 | 8.0 | 79 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.215 | 1.203 | 1.0 | 85 | 0.00 |
| 6 | | Aniline | 1.376 | 1.324 | 3.8 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.609 | 1.593 | 1.0 | 87 | 0.00 |
| 8 | | 2-Chlorophenol | 1.325 | 1.338 | -1.0 | 88 | 0.00 |
| 9 | | Benzaldehyde | 0.892 | 0.898 | -0.7 | 89 | 0.00 |
| 10 | C | Phenol | 1.668 | 1.653 | 0.9 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.244 | 1.188 | 4.5 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.510 | 1.478 | 2.1 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.532 | 1.505 | 1.8 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.446 | 1.406 | 2.8 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 1.151 | 1.129 | 1.9 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.465 | 1.318 | 10.0 | 78 | 0.00 |
| 17 | | 2-Methylphenol | 1.058 | 1.065 | -0.7 | 87 | 0.00 |
| 18 | | Hexachloroethane | 0.570 | 0.538 | 5.6 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.965 | 0.915 | 5.2 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.403 | 1.384 | 1.4 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.492 | 1.6 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.400 | 0.389 | 2.8 | 84 | 0.00 |
| 24 | | Nitrobenzene | 0.410 | 0.400 | 2.4 | 84 | 0.00 |
| 25 | | Isophorone | 0.670 | 0.630 | 6.0 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.194 | -2.6 | 88 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.220 | 0.220 | 0.0 | 85 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.393 | 6.0 | 80 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.302 | 0.7 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.349 | 0.340 | 2.6 | 84 | 0.00 |
| 31 | | Naphthalene | 1.099 | 1.086 | 1.2 | 86 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.212 | -1.4 | 85 | 0.02 |
| 33 | | 4-Chloroaniline | 0.365 | 0.364 | 0.3 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.235 | 0.225 | 4.3 | 82 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.098 | -7.7 | 92 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.342 | 0.345 | -0.9 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.727 | 0.714 | 1.8 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.719 | 0.711 | 1.1 | 85 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.604 | 1.8 | 85 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.153 | 0.089 | 41.8# | 51 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.237 | 0.232 | 2.1 | 79 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.353 | 6.1 | 79 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.414 | 0.389 | 6.0 | 80 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.455 | 1.388 | 4.6 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.590 | 1.544 | 2.9 | 83 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.217 | 1.190 | 2.2 | 83 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 0.367 | 0.362 | 1.4 | 82 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.788 | 0.0 | 84 | 0.00 |
| 50 | | Dimethylphthalate | 1.410 | 1.351 | 4.2 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.320 | 0.6 | 84 | 0.00 |
| 52 | C | Acenaphthene | 1.142 | 1.133 | 0.8 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 0.320 | 0.332 | -3.8 | 86 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.132 | 0.158 | -19.7 | 96 | 0.01 |
| 55 | | Dibenzofuran | 1.770 | 1.710 | 3.4 | 81 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.150 | 0.153 | -2.0 | 76 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.424 | 0.429 | -1.2 | 83 | 0.00 |
| 58 | | Fluorene | 1.460 | 1.425 | 2.4 | 80 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.337 | 0.317 | 5.9 | 73 | 0.00 |
| 60 | | Diethylphthalate | 1.462 | 1.353 | 7.5 | 77 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.733 | 0.696 | 5.0 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.356 | -6.6 | 86 | 0.00 |
| 63 | | Azobenzene | 1.375 | 1.261 | 8.3 | 75 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.116 | -2.7 | 80 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.615 | 0.605 | 1.6 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.214 | 4.5 | 78 | 0.00 |
| 68 | | Hexachlorobenzene | 0.254 | 0.247 | 2.8 | 81 | 0.00 |
| 69 | | Atrazine | 0.172 | 0.145 | 15.7 | 70 | 0.00 |
| 70 | C | Pentachlorophenol | 0.093 | 0.075 | 19.4 | 62 | 0.01 |
| 71 | | Phenanthrene | 1.028 | 1.020 | 0.8 | 84 | 0.00 |
| 72 | | Anthracene | 1.013 | 0.994 | 1.9 | 83 | 0.00 |
| 73 | | Carbazole | 0.992 | 1.002 | -1.0 | 85 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.164 | 1.108 | 4.8 | 79 | 0.00 |
| 75 | C | Fluoranthene | 1.184 | 1.218 | -2.9 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 0.408 | 0.445 | -9.1 | 95 | 0.00 |
| 78 | | Pyrene | 1.779 | 1.725 | 3.0 | 87 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.268 | 1.207 | 4.8 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.654 | 0.643 | 1.7 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.417 | 1.404 | 0.9 | 89 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.428 | 0.434 | -1.4 | 91 | 0.00 |
| 83 | | Chrysene | 1.289 | 1.227 | 4.8 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.844 | 0.790 | 6.4 | 83 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.277 | 1.059 | 17.1 | 75 | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 91 | -0.03 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.248 | 1.208 | 3.2 | 87 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.388 | 1.367 | 1.5 | 96 | -0.03 |
| 89 | | Benzo(k)fluoranthene | 1.191 | 1.086 | 8.8 | 81 | -0.03 |
| 90 | C | Benzo(a)pyrene | 1.087 | 1.030 | 5.2 | 87 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.034 | 0.996 | 3.7 | 86 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.052 | 0.977 | 7.1 | 83 | -0.01 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.529 | 6.2 | 83 | -0.02 |
| 3 | | Pyridine | 40.000 | 38.605 | 3.5 | 82 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.798 | 8.0 | 79 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.188 | 1.0 | 85 | 0.00 |
| 6 | | Aniline | 40.000 | 38.501 | 3.7 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.195 | 1.0 | 87 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.383 | -1.0 | 88 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.271 | -0.7 | 89 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.635 | 0.9 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.200 | 4.5 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.166 | 2.1 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.295 | 1.8 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.884 | 2.8 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.242 | 1.9 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.973 | 10.1 | 78 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.286 | -0.7 | 87 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.728 | 5.7 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.915 | 5.2 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.472 | 1.3 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 85 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.304 | 1.7 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.801 | 2.7 | 84 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.061 | 2.3 | 84 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.629 | 5.9 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.138 | -2.8 | 88 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.022 | -0.1 | 85 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.572 | 6.1 | 80 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.755 | 0.6 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.012 | 2.5 | 84 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.547 | 1.1 | 86 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.523 | -1.3 | 85 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.864 | 0.3 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.453 | 3.9 | 82 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.322 | -8.3 | 92 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.286 | -0.7 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.272 | 1.8 | 84 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.588 | 1.0 | 85 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.312 | 1.7 | 85 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 28.674 | 28.3# | 51 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.522 | 1.8 | 79 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.469 | 6.3 | 79 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.641 | 5.9 | 80 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.352 | 4.6 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.834 | 2.9 | 83 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.139 | 2.2 | 83 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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 | 39.384 | 1.5 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.003 | -0.0 | 84 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.322 | 4.2 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.767 | 0.6 | 84 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.664 | 0.8 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.485 | -3.7 | 86 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.346 | -8.4 | 96 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.647 | 3.4 | 81 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.930 | 5.2 | 76 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.439 | -1.1 | 83 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.048 | 2.4 | 80 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.667 | 5.8 | 73 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.002 | 7.5 | 77 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.979 | 5.1 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.614 | -6.5 | 86 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.682 | 8.3 | 75 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.900 | -2.2 | 80 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.380 | 1.5 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.203 | 4.5 | 78 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.882 | 2.8 | 81 | 0.00 |
| 69 | | Atrazine | 40.000 | 33.792 | 15.5 | 70 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 32.340 | 19.1 | 62 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 39.689 | 0.8 | 84 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.262 | 1.8 | 83 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.420 | -1.1 | 85 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.065 | 4.8 | 79 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.145 | -2.9 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.643 | -9.1 | 95 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.803 | 3.0 | 87 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.158 | 4.8 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.317 | 1.7 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.621 | 0.9 | 89 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.550 | -1.4 | 91 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.074 | 4.8 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.465 | 6.3 | 83 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 33.196 | 17.0 | 75 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.03 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.707 | 3.2 | 87 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.375 | 1.6 | 96 | -0.03 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.468 | 8.8 | 81 | -0.03 |
| 90 | C | Benzo(a)pyrene | 40.000 | 37.915 | 5.2 | 87 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.537 | 3.7 | 86 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 37.152 | 7.1 | 83 | -0.01 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 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

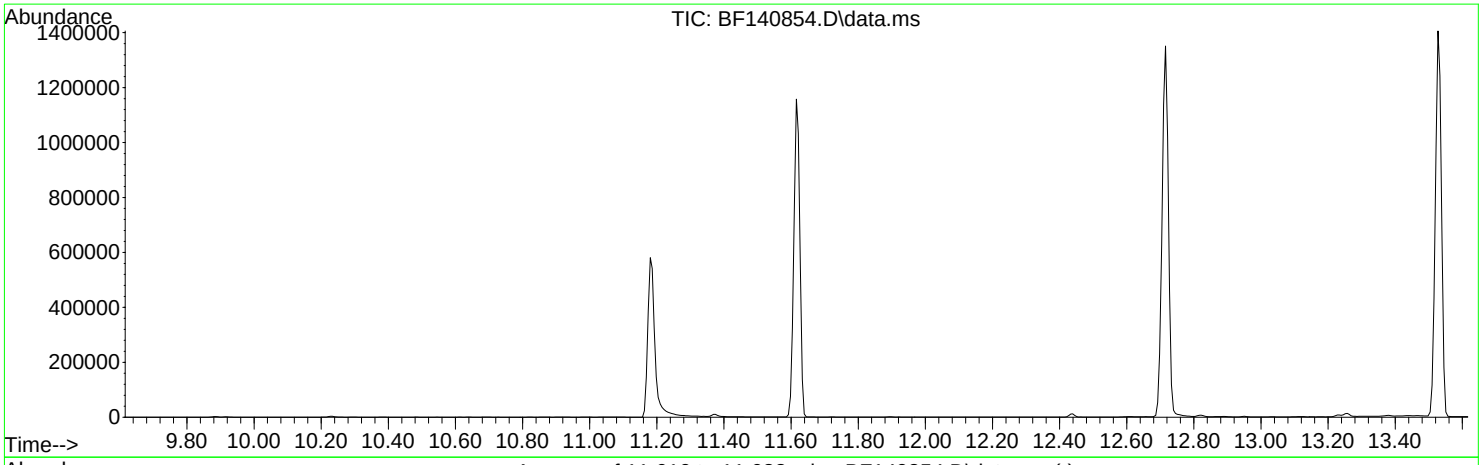
# QC SAMPLE DATA

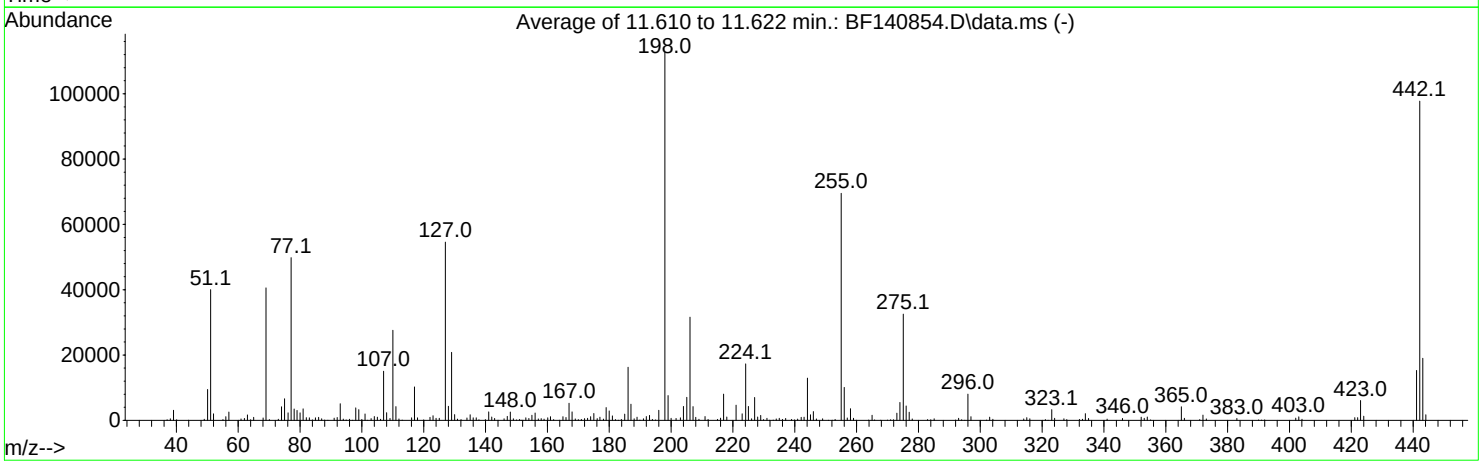
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



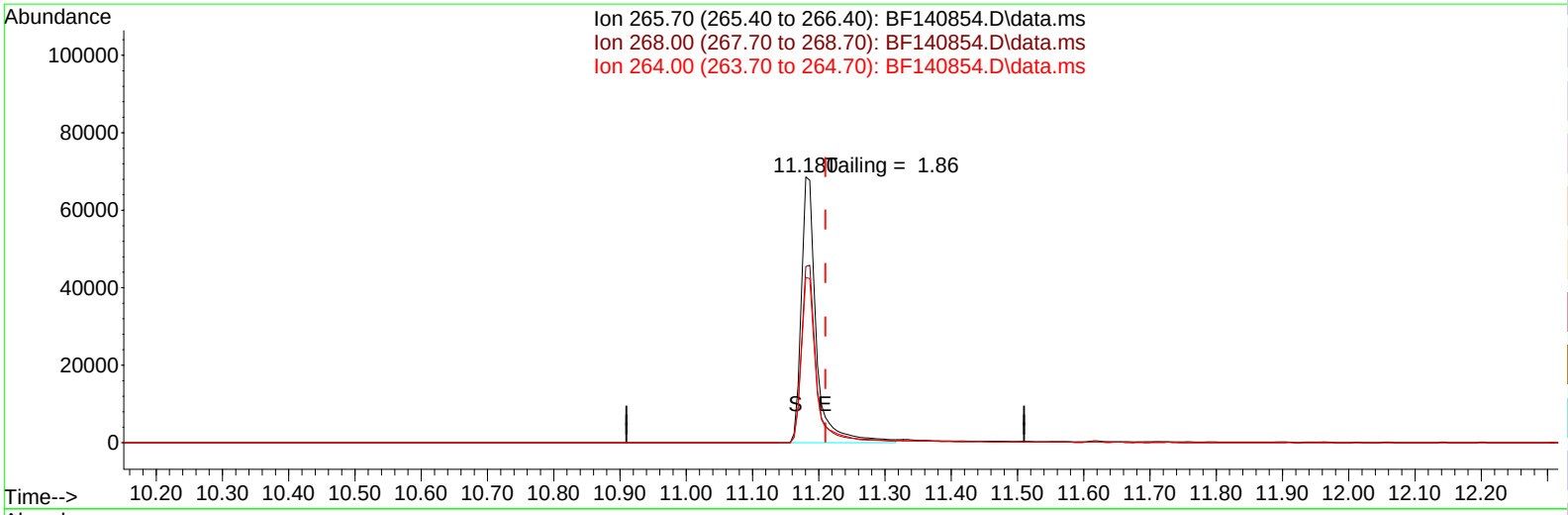

AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

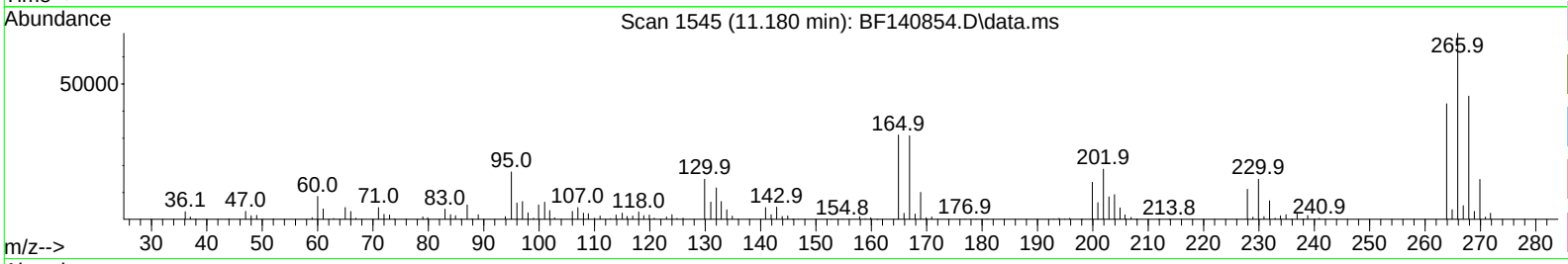
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 35.6 | 40051 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 751 | PASS |
| 69 | 198 | 0.00 | 100 | 36.0 | 40557 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 252 | PASS |
| 127 | 198 | 10 | 80 | 48.5 | 54581 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 112637 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 7601 | PASS |
| 275 | 198 | 10 | 60 | 28.9 | 32549 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 4169 | PASS |
| 441 | 198 | 0.01 | 100 | 13.6 | 15301 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 97731 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 18998 | PASS |

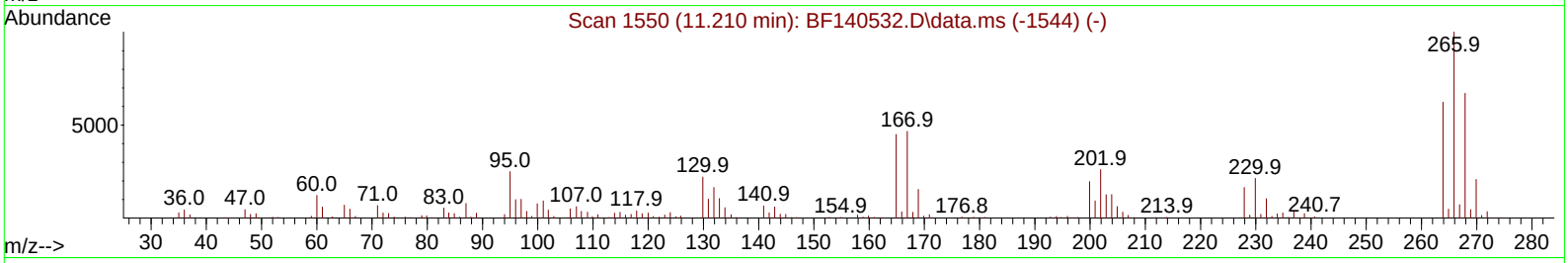
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration




TIC: BF140854.D\data.ms

**(70) Pentachlorophenol (C)**

**11.180min (-0.030) 3894.75 ng m**

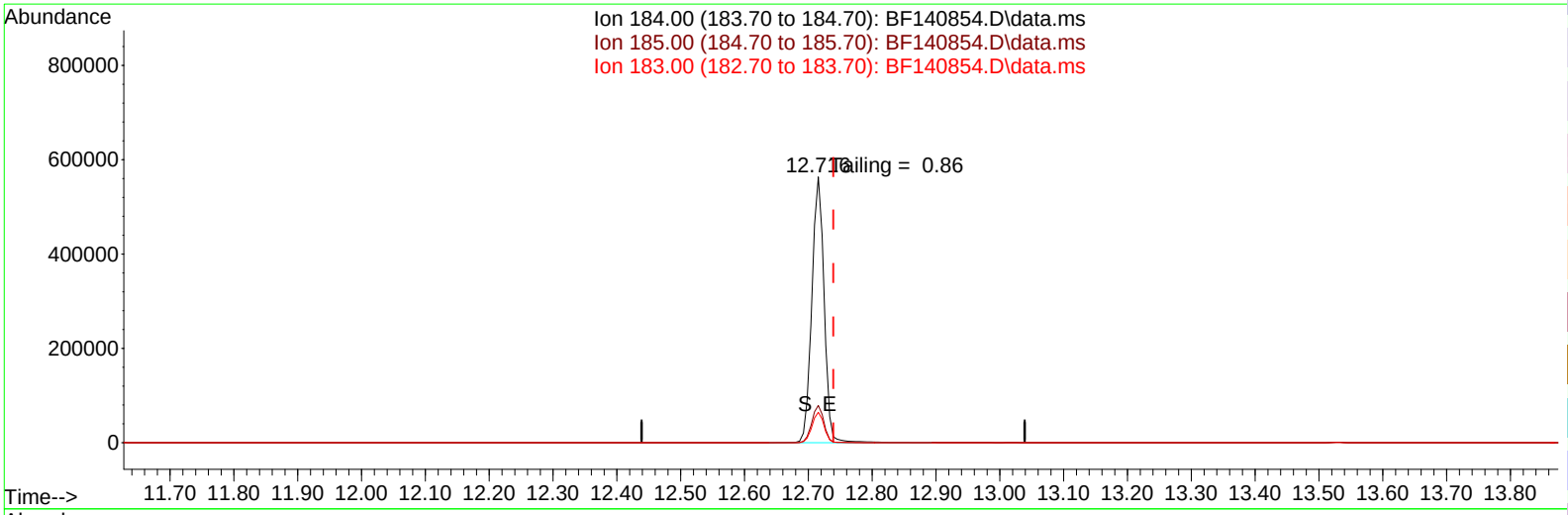
**response 108541**

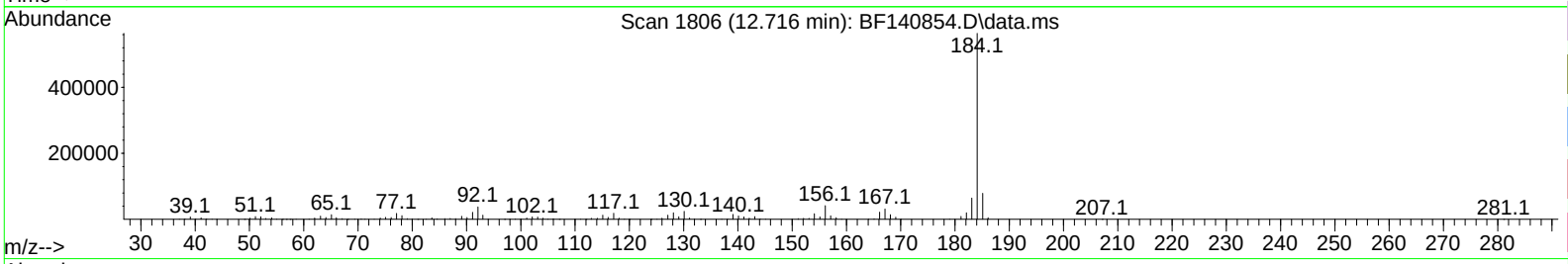
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 67.10 | 66.31 |
| 264.00 | 62.30 | 62.20 |
| 0.00 | 0.00 | 0.00 |

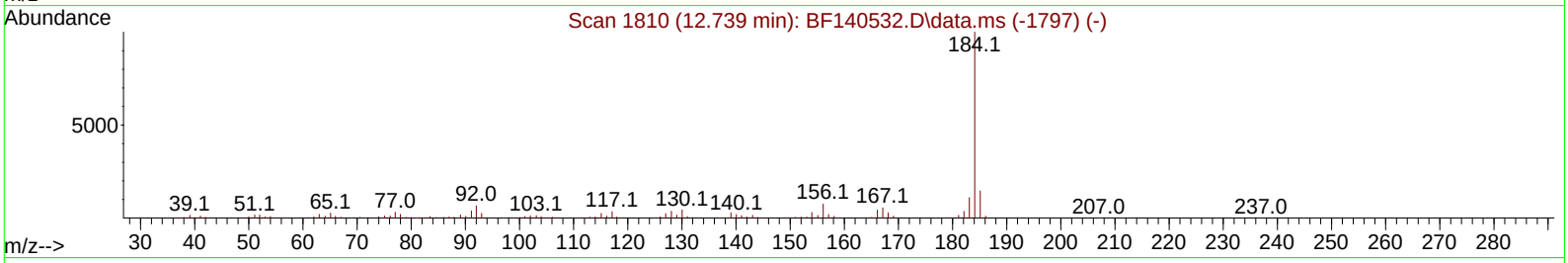
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration




TIC: BF140854.D\data.ms

**(77) Benzidine**

**12.716min (-0.023) 4792.75 ng**

**response 759160**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60 | 14.01 |
| 183.00 | 11.00 | 11.44 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

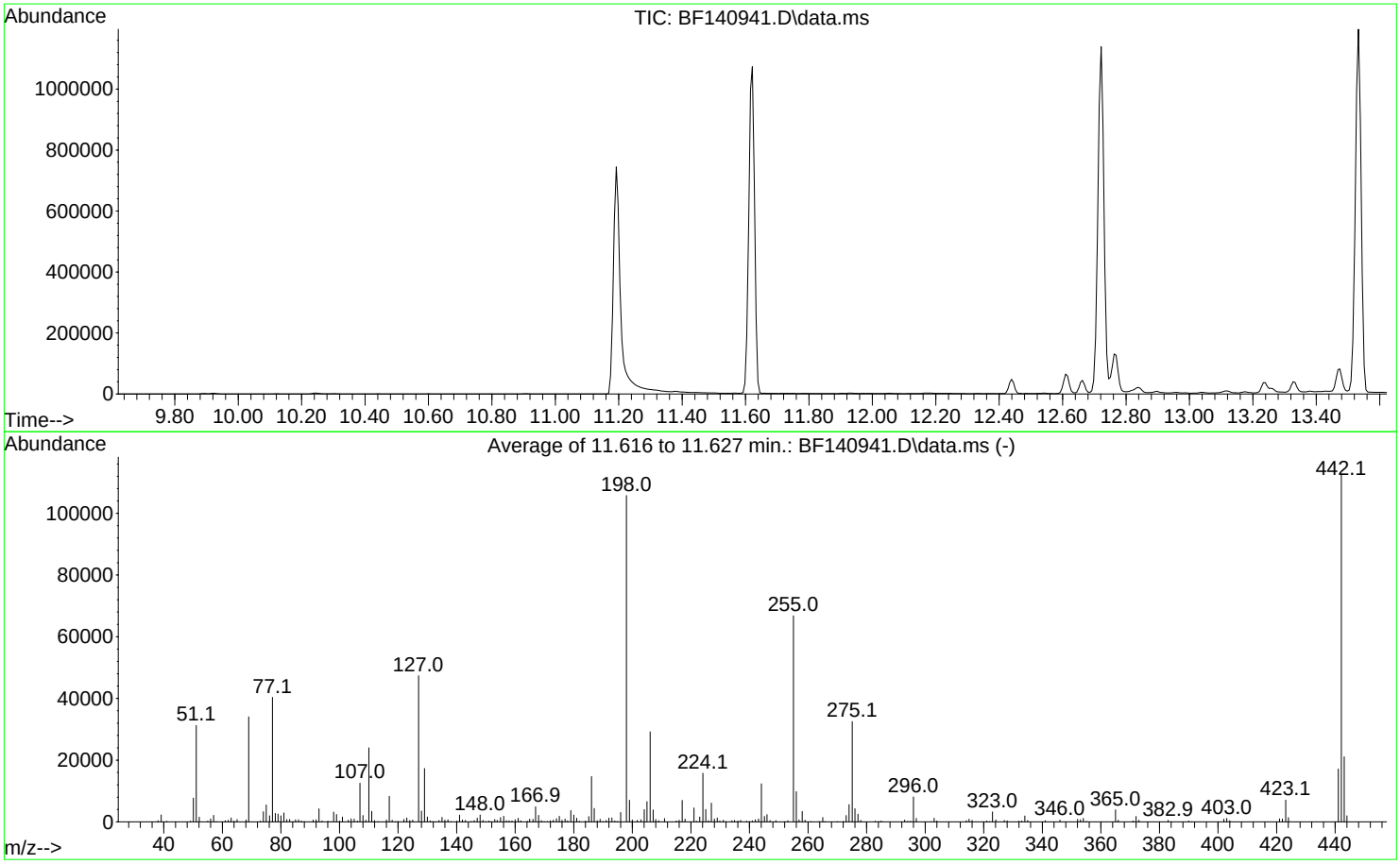
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 12/16/2024 | BNA_F | BF140854.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 360303 | 13.527 |
| DDD | 6357 | 13.257 |
| DDE | 1383 | 12.892 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 7740 | 368043 | 2.10 |
| | | |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
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-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



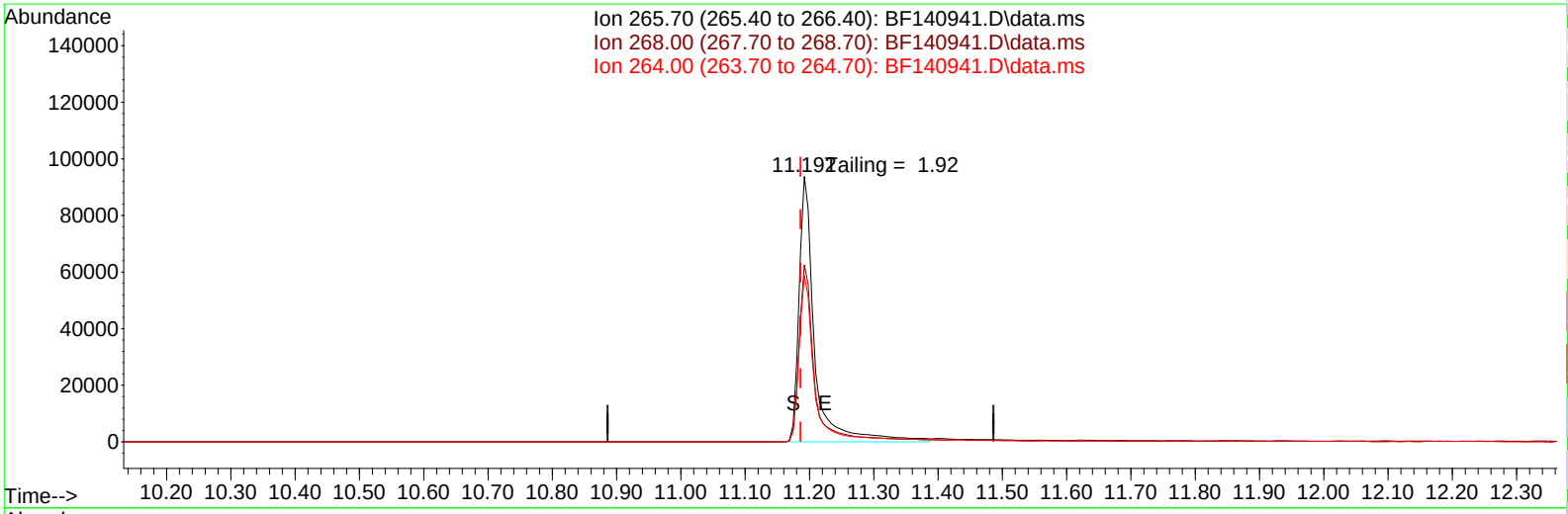

AutoFind: Scans 1619, 1620, 1621; Background Corrected with Scan 1612

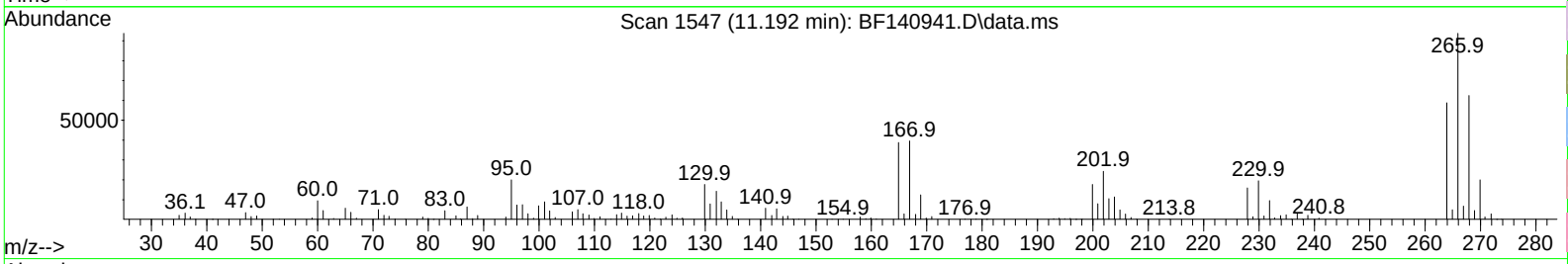
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 29.6 | 31259 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 646 | PASS |
| 69 | 198 | 0.00 | 100 | 32.2 | 34051 | PASS |
| 70 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 127 | 198 | 10 | 80 | 44.8 | 47344 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 105763 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 7029 | PASS |
| 275 | 198 | 10 | 60 | 30.8 | 32541 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 3936 | PASS |
| 441 | 198 | 0.01 | 100 | 16.2 | 17150 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 112581 | PASS |
| 443 | 442 | 15 | 24 | 18.7 | 21093 | PASS |

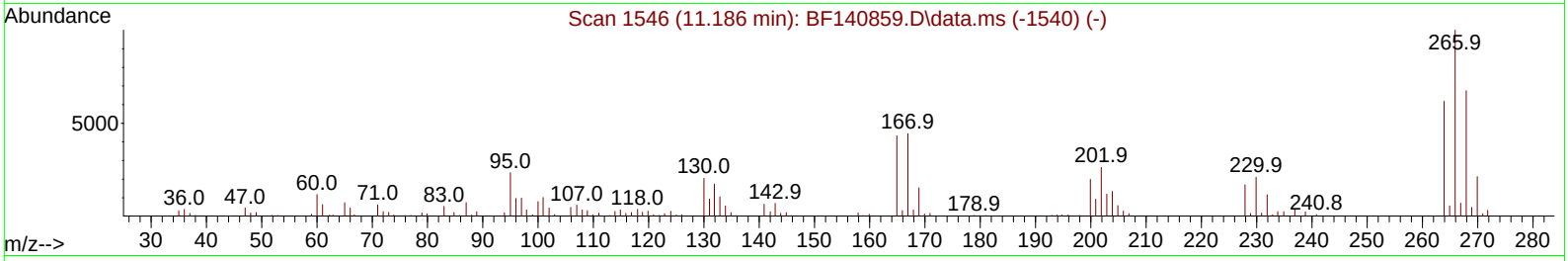
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 20 11:56:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration




TIC: BF140941.D\data.ms

**(70) Pentachlorophenol (C)**

**11.192min (+ 0.006) 18269.88 ng**

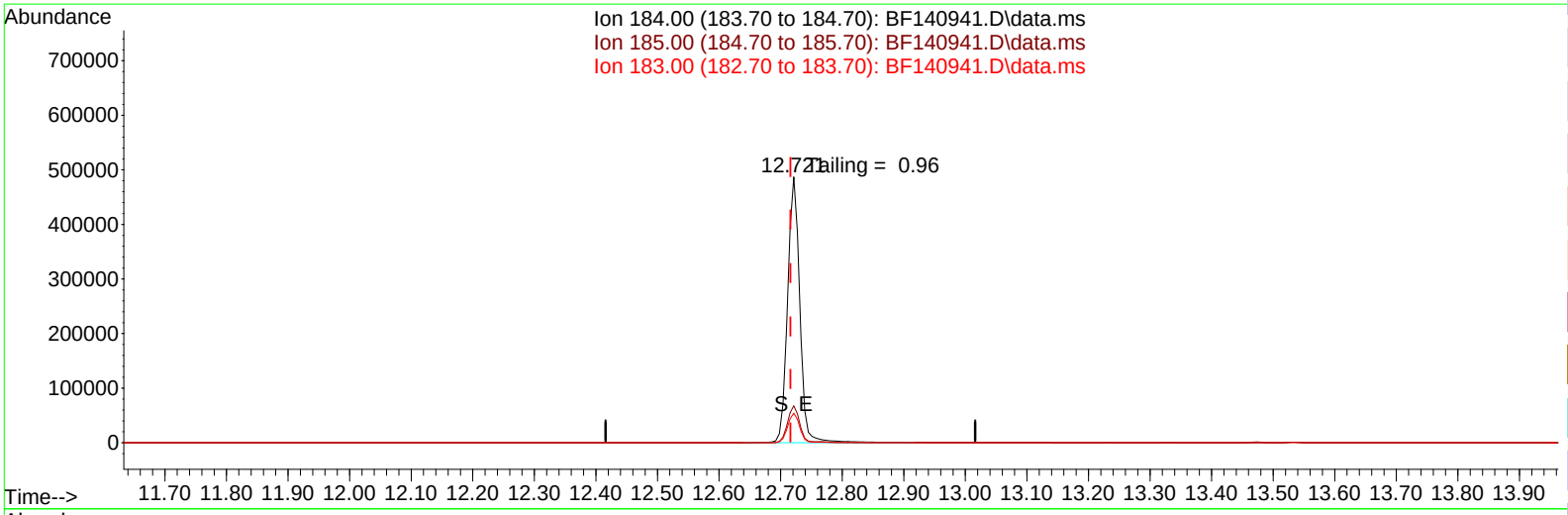
**response 157756**

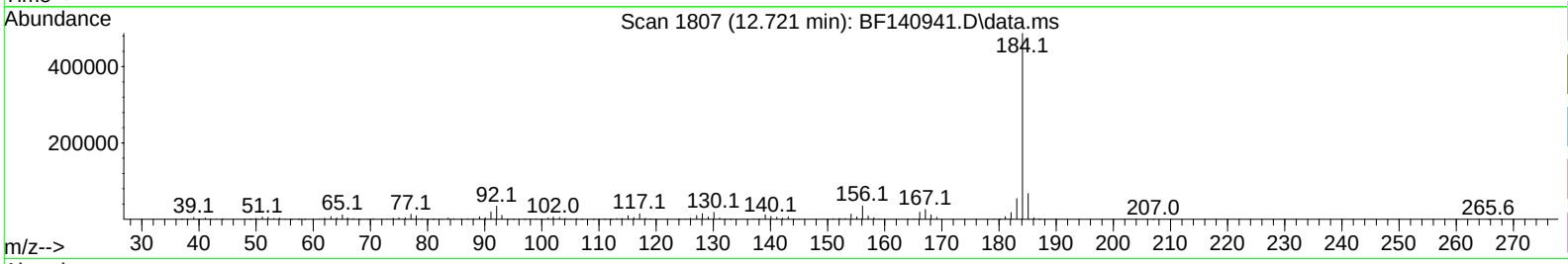
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 67.50 | 66.64 |
| 264.00 | 61.80 | 62.70 |
| 0.00 | 0.00 | 0.00 |

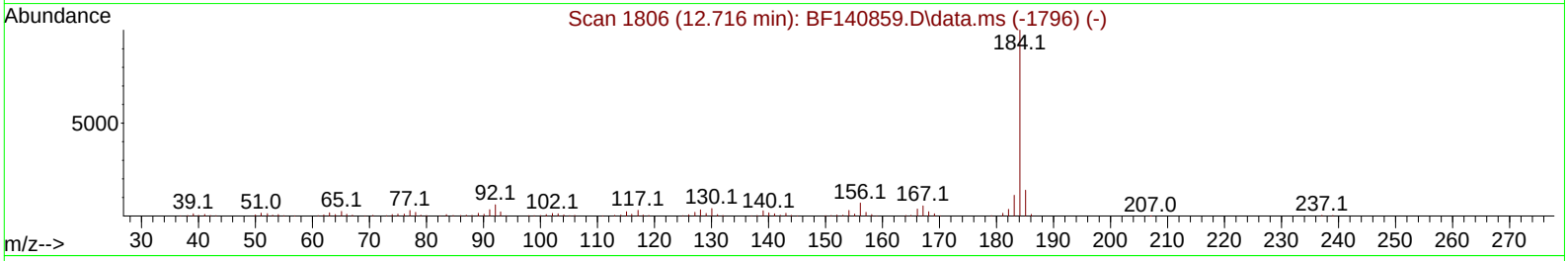
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 20 11:56:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration




TIC: BF140941.D\data.ms

**(77) Benzidine**

**12.721min (+ 0.005) 28215.57 ng**

**response 676070**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 13.90 | 13.93 |
| 183.00 | 11.20 | 11.19 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 12/20/2024 | BNA_F | BF1408941.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 616229 | 13.533 |
| DDD | 15993 | 13.239 |
| DDE | 2518 | 12.898 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 18511 | 634740 | 2.92 |
| | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | PB165705BL | SDG No.: | P5316 |
| Lab Sample ID: | PB165705BL | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140943.D | 1 | 12/18/24 08:56 | 12/20/24 11:41 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 108-95-2 | Phenol | 130 | U | 82.8 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 130 | U | 80.5 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 270 | U | 79.7 | 270 | 330 | ug/Kg |
| 91-20-3 | Naphthalene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 208-96-8 | Acenaphthylene | 130 | U | 86.4 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 130 | U | 85.4 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 270 | U | 77.2 | 270 | 330 | ug/Kg |
| 120-12-7 | Anthracene | 130 | U | 84.3 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 130 | U | 81.6 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 130 | U | 82.9 | 130 | 170 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 130 | U | 80.6 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 130 | U | 79.4 | 130 | 170 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 130 | U | 81.0 | 130 | 170 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 130 | U | 82.5 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 130 | U | 92.9 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 130 | U | 78.0 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 130 | U | 81.1 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 130 | U | 80.0 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 150 | | 35 - 115 | | 100% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 153 | | 34 - 127 | | 102% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 107 | | 37 - 122 | | 107% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 103 | | 44 - 115 | | 103% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 146 | | 39 - 132 | | 97% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 110 | | 54 - 127 | | 110% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 64900 | 6.845 | | | | |
| 1146-65-2 | Naphthalene-d8 | 229000 | 8.128 | | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | CTO WE13 | | | Date Received: | |
| Client Sample ID: | PB165705BL | | | SDG No.: | P5316 |
| Lab Sample ID: | PB165705BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | 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 : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140943.D | 1 | 12/18/24 08:56 | 12/20/24 11:41 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 15067-26-2 | Acenaphthene-d10 | 137000 | 9.886 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 270000 | 11.375 | | | | |
| 1719-03-5 | Chrysene-d12 | 175000 | 14.027 | | | | |
| 1520-96-3 | Perylene-d12 | 118000 | 15.521 | | | | |

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\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

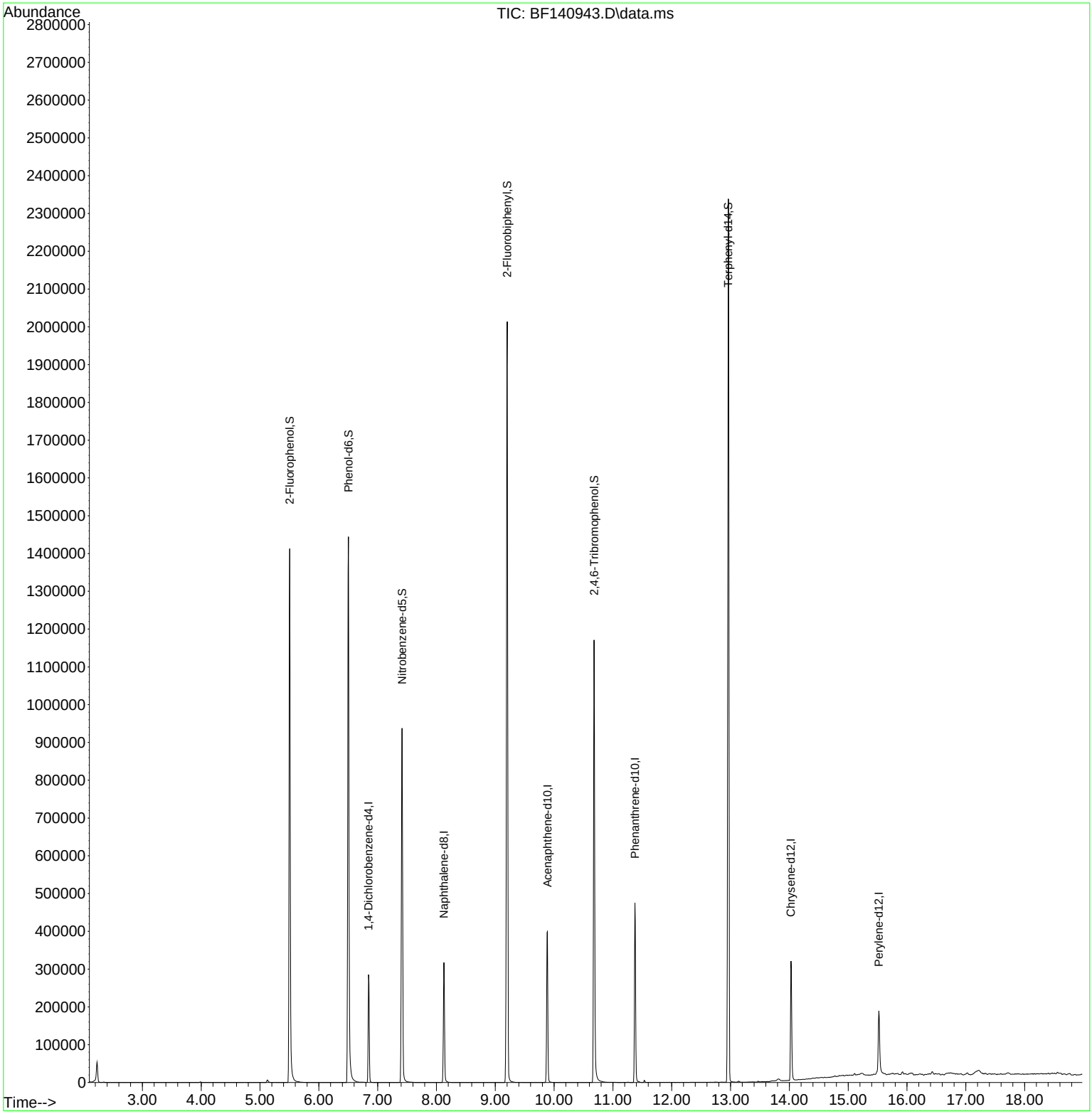
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 64872 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 228592 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 136709 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 270487 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 174504 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 118300 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 590265 | 149.785 | ng | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 799531 | 153.180 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 487007 | 106.589 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.680 | 330 | 235540 | 145.676 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1024156 | 102.997 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 1215200 | 109.809 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

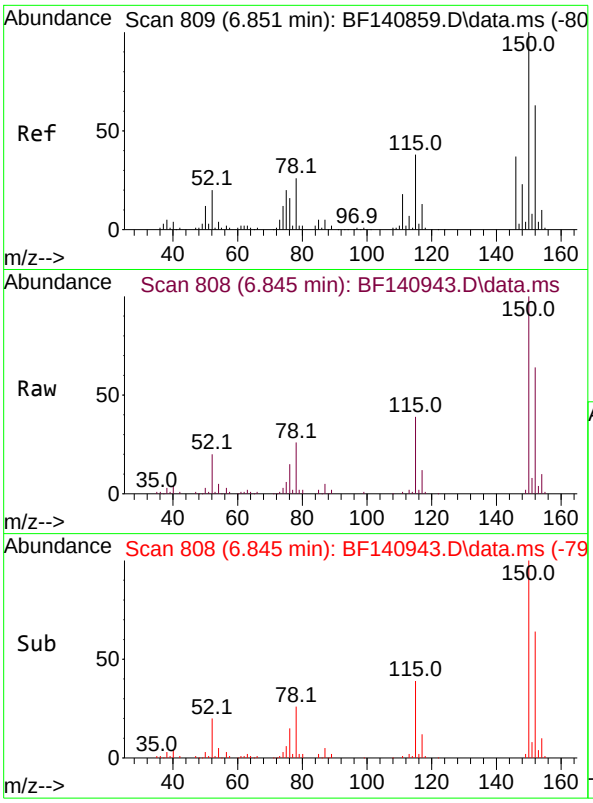
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



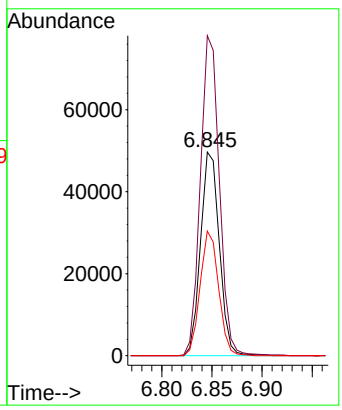


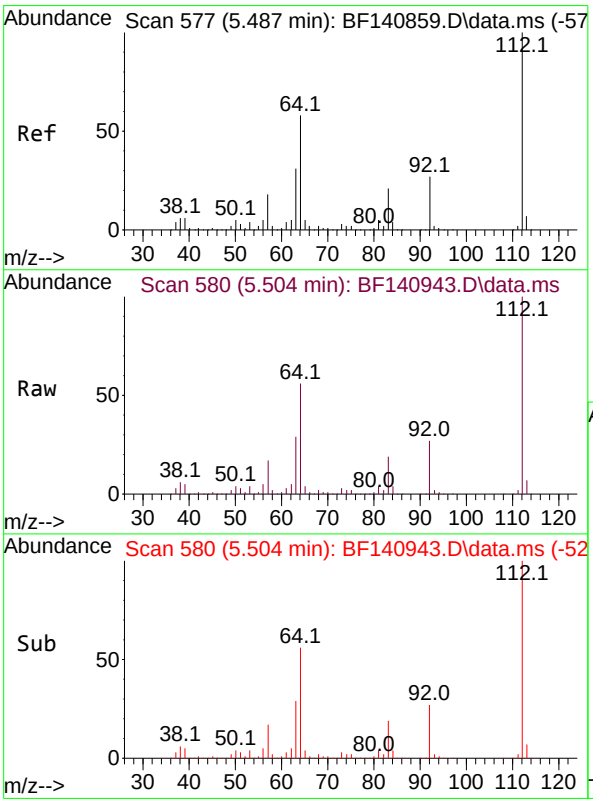

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion:152 Resp: 64872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 127.9 | 191.9 |
| 115 | 61.2 | 48.0 | 72.0 |

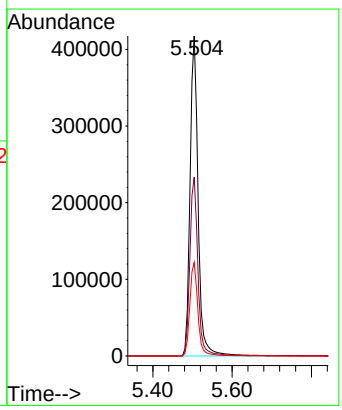


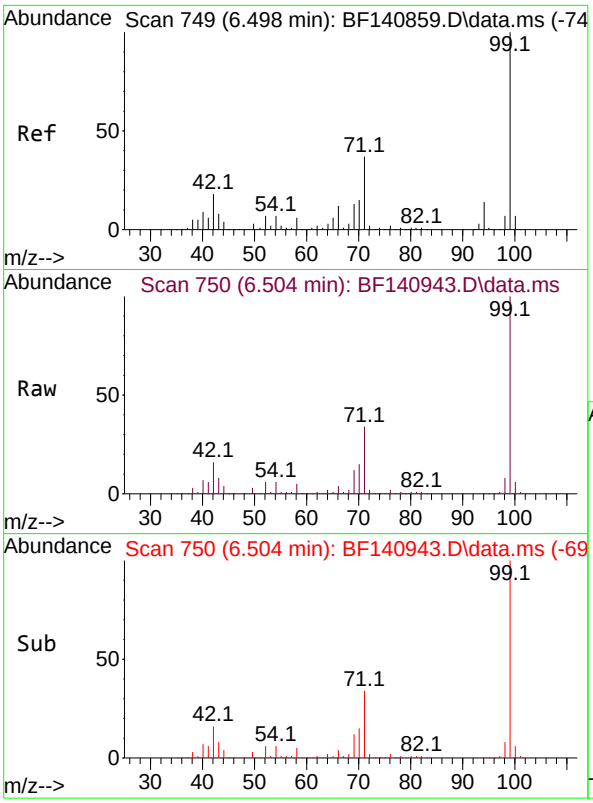




#5
2-Fluorophenol
Concen: 149.785 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:112 Resp: 590265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.9 | 46.1 | 69.1 |
| 63 | 29.2 | 24.9 | 37.3 |



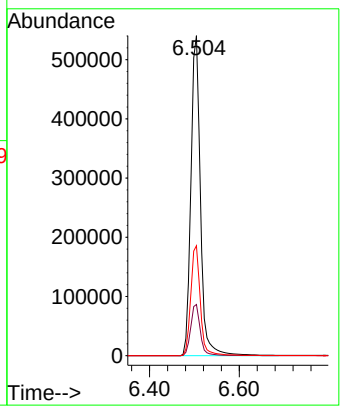


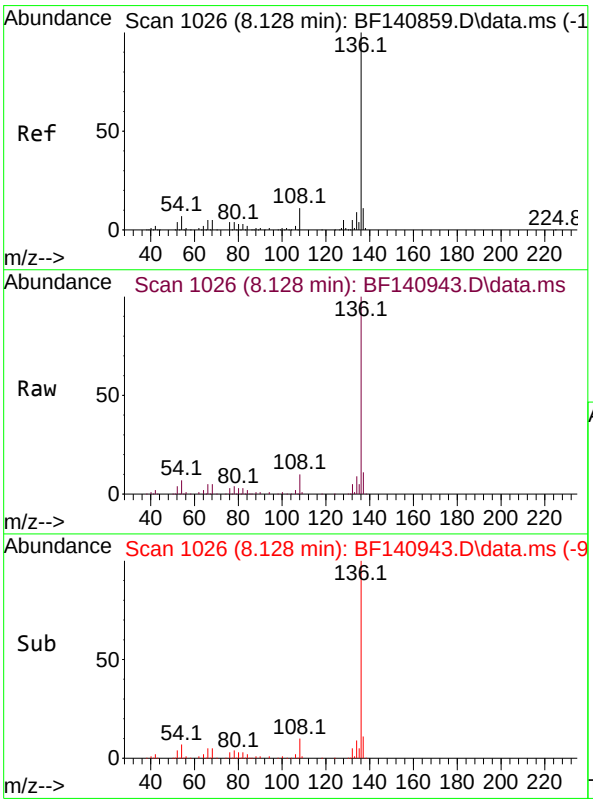

#7
Phenol-d6
Concen: 153.180 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion: 99 Resp: 799531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.0 | 14.3 | 21.5 |
| 71 | 34.4 | 29.9 | 44.9 |

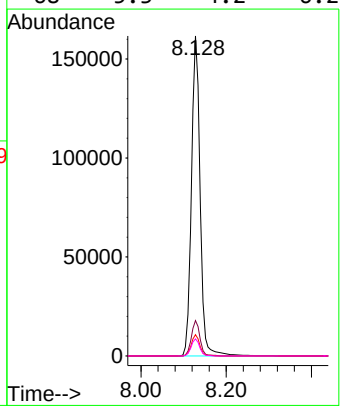


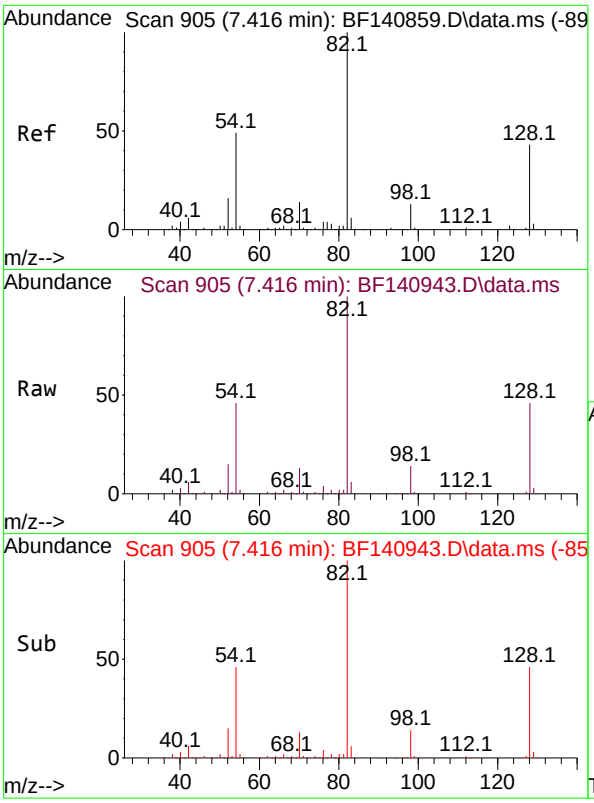




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:136 Resp: 228592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.6 | 5.6 | 8.4 |
| 68 | 5.3 | 4.2 | 6.2 |



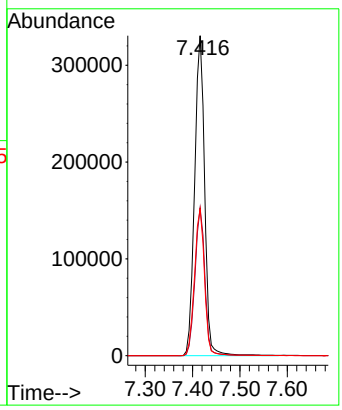


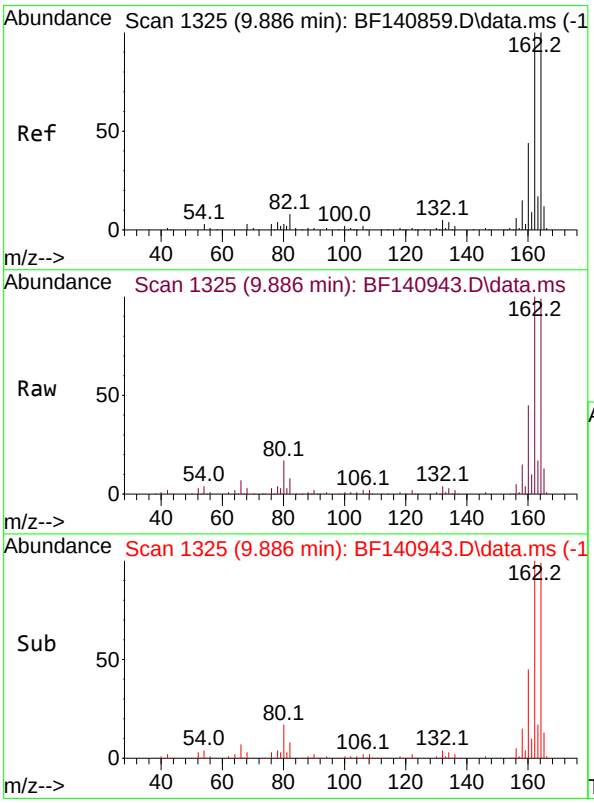

#23
Nitrobenzene-d5
Concen: 106.589 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion: 82 Resp: 487007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 34.4 | 51.6 |
| 54 | 45.9 | 38.8 | 58.2 |

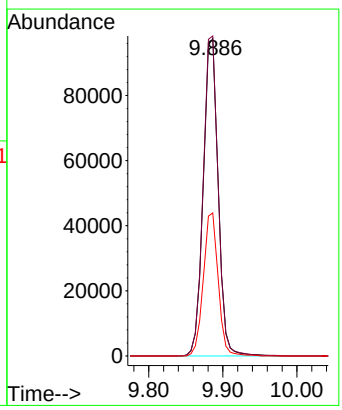


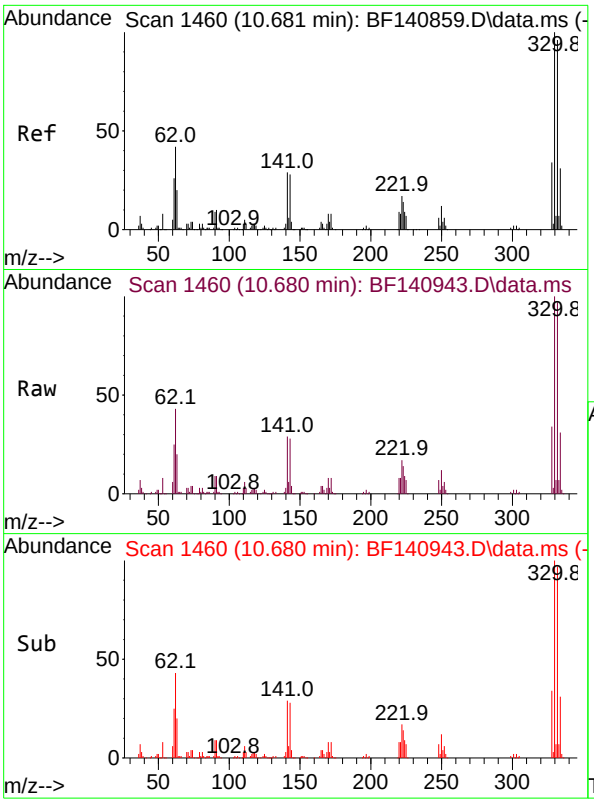




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:164 Resp: 136709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 79.9 | 119.9 |
| 160 | 45.1 | 35.2 | 52.8 |



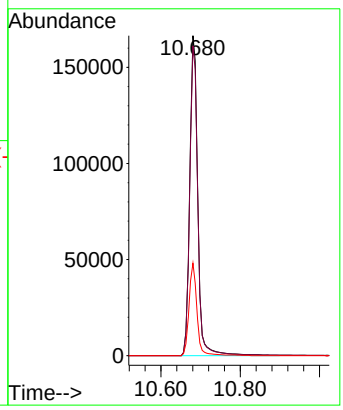


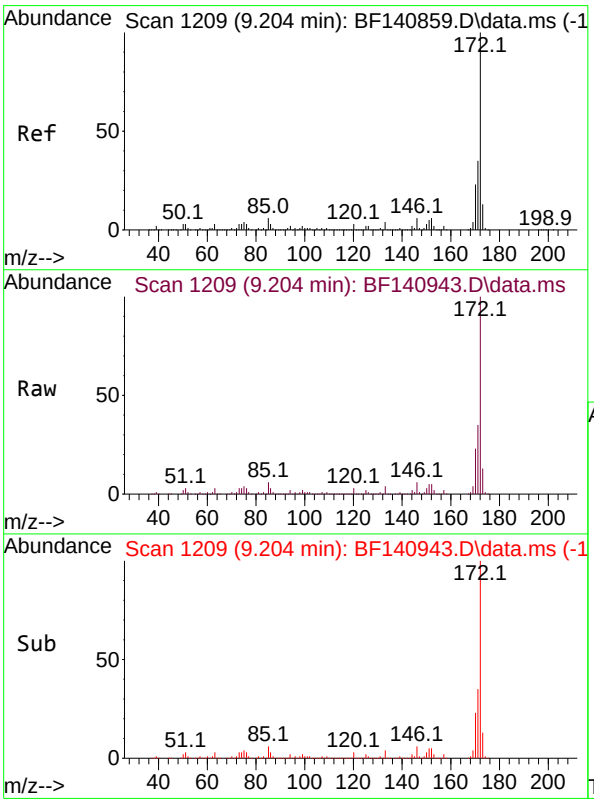

#42
2,4,6-Tribromophenol
Concen: 145.676 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion:330 Resp: 235540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 76.2 | 114.4 |
| 141 | 28.3 | 24.9 | 37.3 |

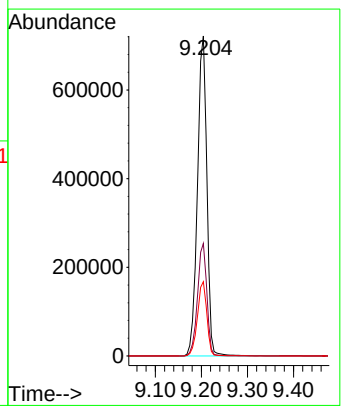


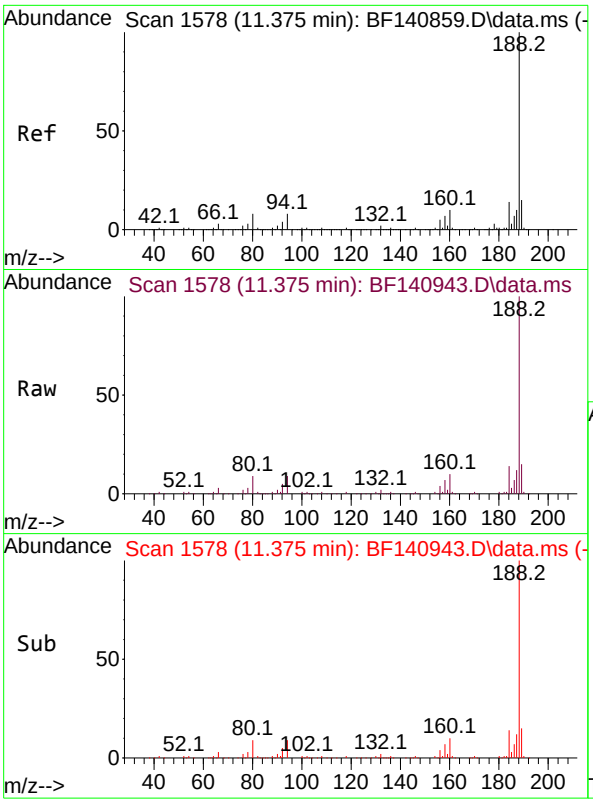




#45
2-Fluorobiphenyl
Concen: 102.997 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:172 Resp: 1024156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.4 | 42.6 |
| 170 | 23.2 | 18.6 | 28.0 |



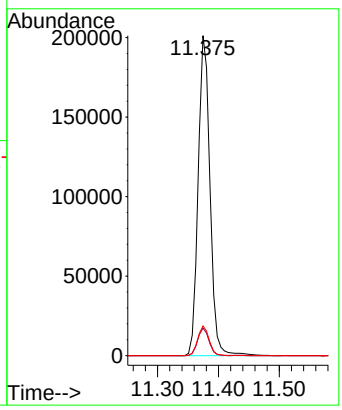


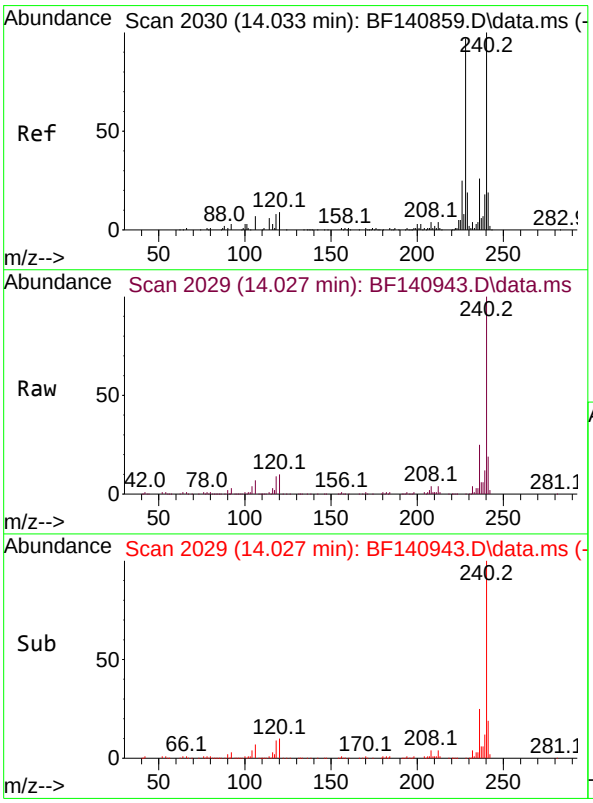

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion:188 Resp: 270487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.4 | 9.6 |
| 80 | 9.3 | 6.8 | 10.2 |

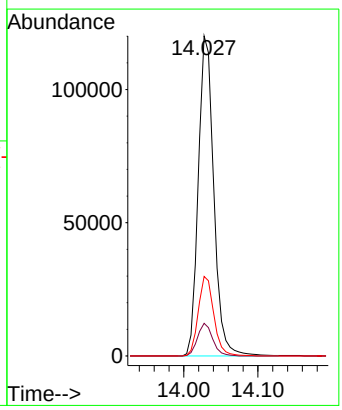


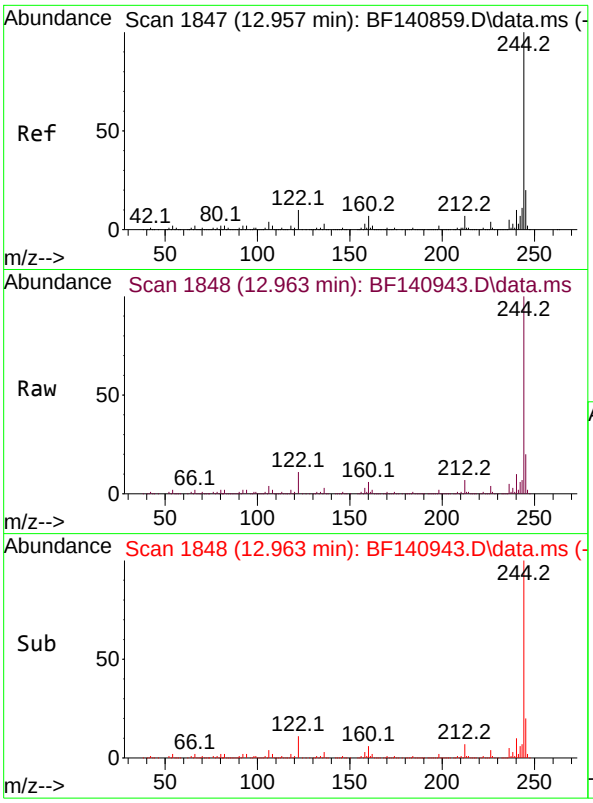




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:240 Resp: 174504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 7.6 | 11.4 |
| 236 | 24.9 | 20.5 | 30.7 |



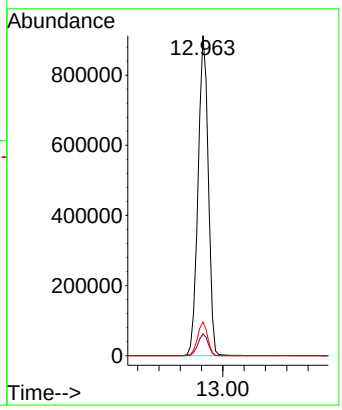


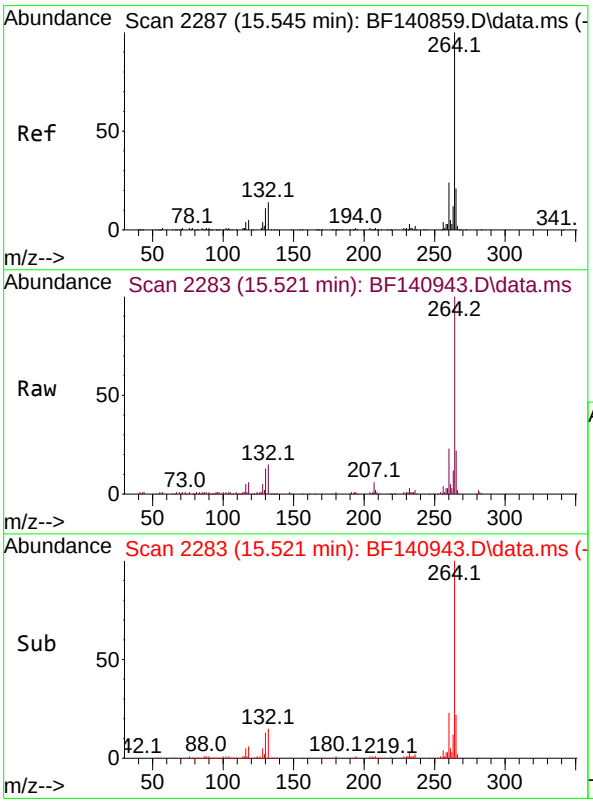

#79
Terphenyl-d14
Concen: 109.809 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BL

Tgt Ion:244 Resp: 1215200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 10.5 | 8.2 | 12.2 |

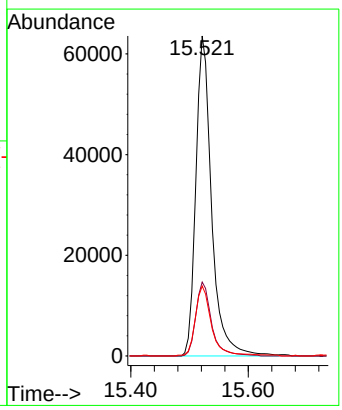



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:264 Resp: 118300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.9 | 17.0 | 25.4 |



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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | CTO WE13 | | | Date Received: | |
| Client Sample ID: | PB165705BS | | | SDG No.: | P5316 |
| Lab Sample ID: | PB165705BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 | Units: | g | 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 : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140944.D | 1 | 12/18/24 08:56 | 12/20/24 12:07 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 108-95-2 | Phenol | 1600 | | 82.9 | 130 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1600 | | 80.6 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1700 | | 79.8 | 270 | 330 | ug/Kg |
| 91-20-3 | Naphthalene | 1600 | | 82.6 | 130 | 170 | ug/Kg |
| 208-96-8 | Acenaphthylene | 1800 | | 86.5 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1800 | | 81.1 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1500 | | 85.5 | 130 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2900 | E | 77.3 | 270 | 330 | ug/Kg |
| 120-12-7 | Anthracene | 2000 | | 84.4 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1900 | | 81.7 | 130 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1900 | | 83.0 | 130 | 170 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1800 | | 80.7 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1800 | | 79.5 | 130 | 170 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1800 | | 81.1 | 130 | 170 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 1800 | | 82.6 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1900 | | 93.0 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 2200 | | 78.1 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 2100 | | 81.2 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 2100 | | 80.1 | 130 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 143 | | 35 - 115 | | 96% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 136 | | 34 - 127 | | 91% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 91.6 | | 37 - 122 | | 92% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 105 | | 44 - 115 | | 105% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 135 | | 39 - 132 | | 90% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 121 | | 54 - 127 | | 121% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71200 | 6.851 | | | | |
| 1146-65-2 | Naphthalene-d8 | 256000 | 8.128 | | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | CTO WE13 | | | Date Received: | |
| Client Sample ID: | PB165705BS | | | SDG No.: | P5316 |
| Lab Sample ID: | PB165705BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 | Units: | g | 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 : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140944.D | 1 | 12/18/24 08:56 | 12/20/24 12:07 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 15067-26-2 | Acenaphthene-d10 | 141000 | 9.886 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 238000 | 11.38 | | | | |
| 1719-03-5 | Chrysene-d12 | 149000 | 14.033 | | | | |
| 1520-96-3 | Perylene-d12 | 114000 | 15.521 | | | | |

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\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 71247 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 255665 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 141292 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 237962 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 149220 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 113763 | 20.000 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 620574 | 143.386 | ng | | 0.02 |
| 7) Phenol-d6 | 6.510 | 99 | 780279 | 136.115 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 468127 | 91.608 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 225262 | 134.800 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1081886 | 105.274 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 1140526 | 120.524 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 61392 | 32.932 | ng | | 99 |
| 3) Pyridine | 3.522 | 79 | 164168 | 38.026 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 85503 | 39.286 | ng | # | 93 |
| 6) Aniline | 6.522 | 93 | 200558 | 40.919 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.645 | 128 | 251463 | 53.280 | ng | | 98 |
| 9) Benzaldehyde | 6.410 | 77 | 51666 | 16.266 | ng | | 98 |
| 10) Phenol | 6.522 | 94 | 290791 | 48.944 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.586 | 93 | 227090 | 51.253 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 267093 | 49.664 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 268358 | 49.158 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 244910 | 47.549 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 202352 | 49.369 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 244867 | 46.913 | ng | | 94 |
| 17) 2-Methylphenol | 7.122 | 107 | 180851 | 47.995 | ng | | 99 |
| 18) Hexachloroethane | 7.351 | 117 | 87121 | 42.869 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 172630 | 50.203 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 254983 | 51.031 | ng | # | 84 |
| 22) Acetophenone | 7.263 | 105 | 347847 | 54.389 | ng | | 94 |
| 24) Nitrobenzene | 7.439 | 77 | 235580 | 45.000 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 424100 | 49.531 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 128251 | 53.191 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 176373 | 62.636 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 265660 | 49.677 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 207115 | 53.277 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 218640 | 49.061 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 685399 | 48.804 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 85175 | 31.894 | ng | | 95 |
| 33) 4-Chloroaniline | 8.210 | 127 | 161324 | 34.586 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 140865 | 46.981 | ng | | 100 |
| 35) Caprolactam | 8.592 | 113 | 57419m | 49.612 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 201762 | 46.112 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 464695 | 50.021 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 438727 | 47.751 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 234321 | 53.956 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 96370 | 68.569 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 133695 | 50.276 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 143227 | 49.003 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 552413 | 49.168 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 417659 | 48.592 | ng | 100 |
| 48) 2-Nitroaniline | 9.439 | 65 | 121577 | 46.835 | ng | 93 |
| 49) Acenaphthylene | 9.751 | 152 | 681698 | 53.969 | ng | 99 |
| 50) Dimethylphthalate | 9.610 | 163 | 496054 | 49.797 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 108898 | 47.820 | ng | 97 |
| 52) Acenaphthene | 9.922 | 154 | 430468 | 53.351 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 77254 | 34.184 | ng | 95 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 81264 | 73.697 | ng | 90 |
| 55) Dibenzofuran | 10.092 | 168 | 623949 | 49.905 | ng | 99 |
| 56) 4-Nitrophenol | 10.051 | 139 | 87740 | 72.611 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 144968 | 48.383 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 477180 | 46.262 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 127554 | 53.557 | ng | 95 |
| 60) Diethylphthalate | 10.310 | 149 | 534197 | 51.715 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.427 | 204 | 243755 | 47.046 | ng | 95 |
| 62) 4-Nitroaniline | 10.480 | 138 | 101945m | 43.167 | ng | |
| 63) Azobenzene | 10.586 | 77 | 431430 | 44.427 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 66725 | 49.484 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 414949 | 56.716 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 146442 | 55.009 | ng | 97 |
| 68) Hexachlorobenzene | 10.992 | 284 | 165233 | 54.744 | ng | 98 |
| 69) Atrazine | 11.080 | 200 | 134695 | 65.919 | ng | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 94695 | 85.812 | ng | 99 |
| 71) Phenanthrene | 11.404 | 178 | 701422 | 57.320 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 725617 | 60.212 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 673948 | 57.096 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 763567 | 55.119 | ng | 100 |
| 75) Fluoranthene | 12.598 | 202 | 786570 | 55.813 | ng | 99 |
| 77) Benzidine | 12.721 | 184 | 155983 | 51.217 | ng | 100 |
| 78) Pyrene | 12.827 | 202 | 758712 | 57.177 | ng | 100 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 297455 | 60.922 | ng | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 557901 | 52.753 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 102996 | 32.279 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 508492 | 52.875 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 339592 | 53.941 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 455909 | 47.866 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.039 | 276 | 463336 | 65.266 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 417172 | 52.828 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.109 | 252 | 360481 | 53.216 | ng | 99 |
| 90) Benzo(a)pyrene | 15.456 | 252 | 359761 | 58.181 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 377716 | 64.223 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 379421 | 63.386 | ng | 98 |

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

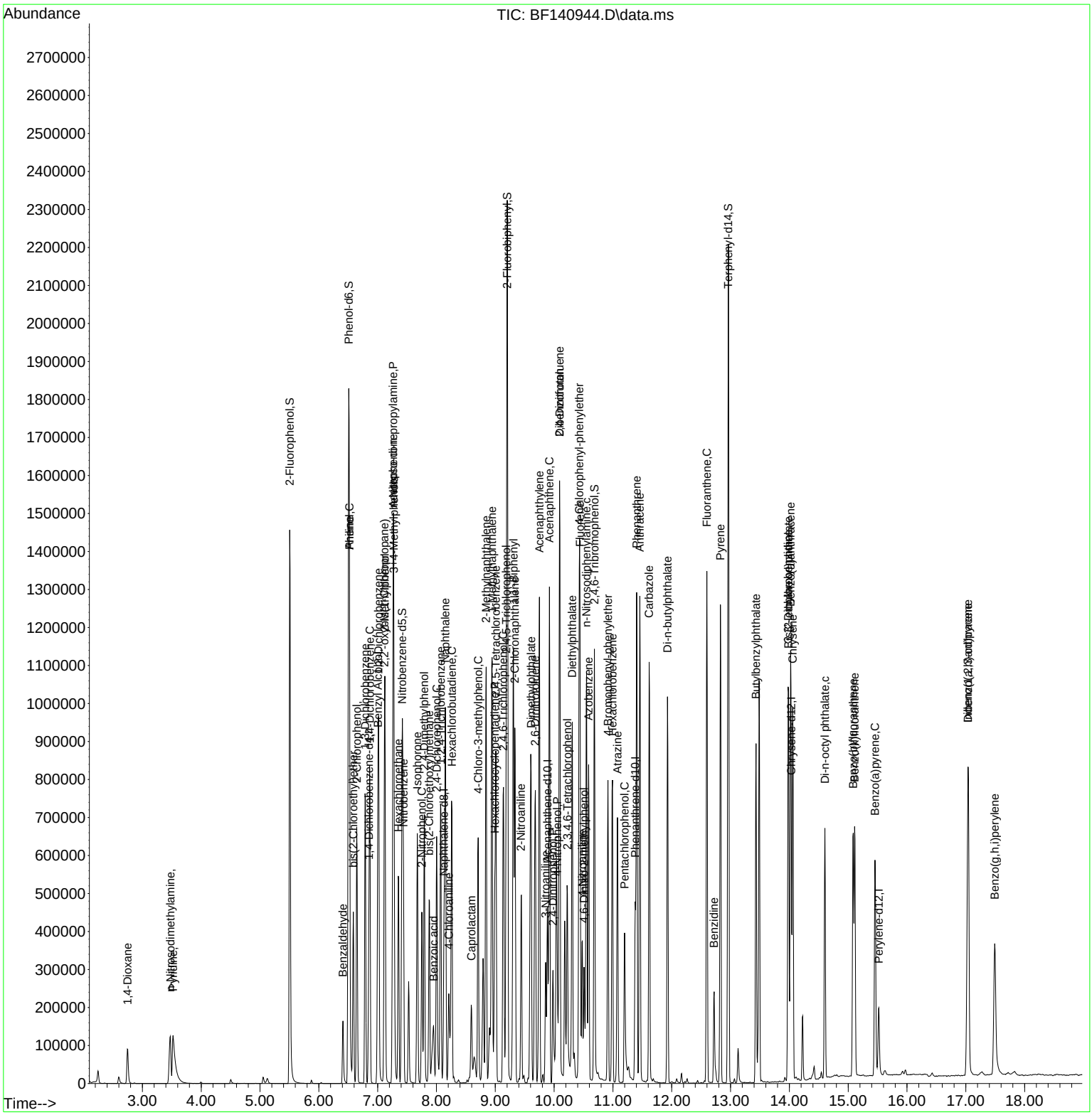
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Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

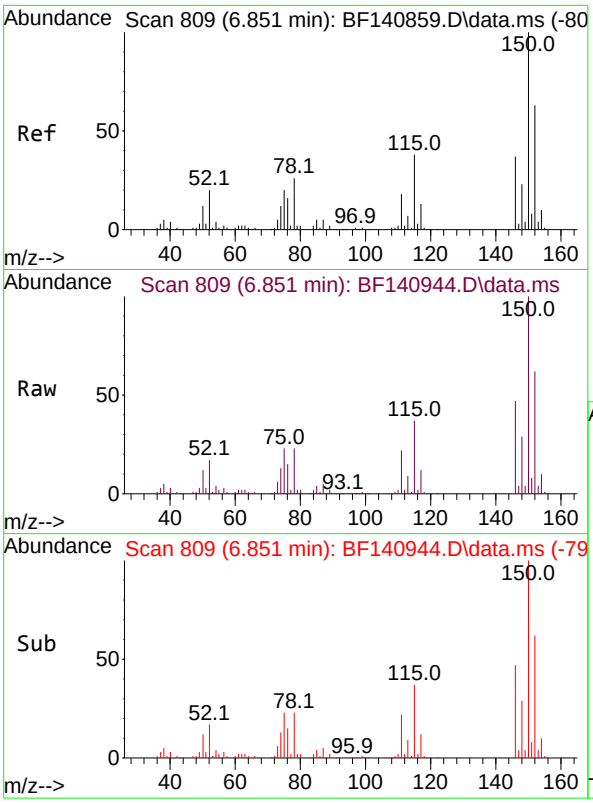
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

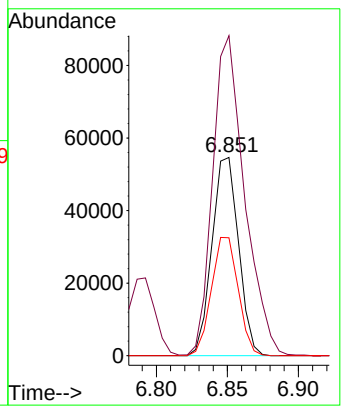





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:152 Resp: 7124

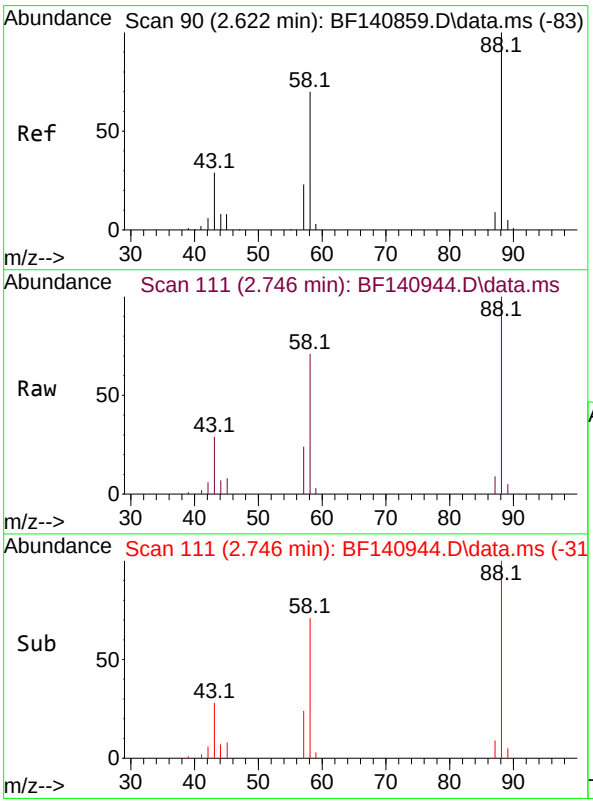
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.4 | 127.9 | 191.9 |
| 115 | 59.5 | 48.0 | 72.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

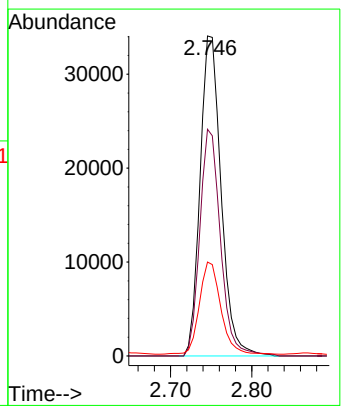
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

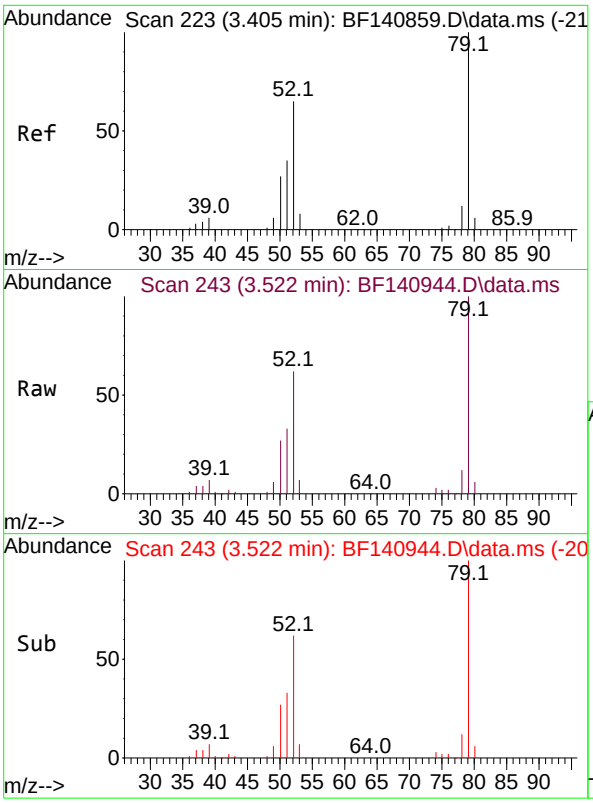



#2
1,4-Dioxane
Concen: 32.932 ng
RT: 2.746 min Scan# 111
Delta R.T. 0.123 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 88 Resp: 61392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.7 | 55.8 | 83.8 |
| 43 | 30.8 | 22.7 | 34.1 |

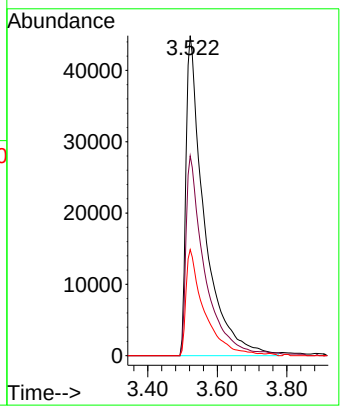





#3
Pyridine
Concen: 38.026 ng
RT: 3.522 min Scan# 24
Delta R.T. 0.117 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 79 Resp: 16416

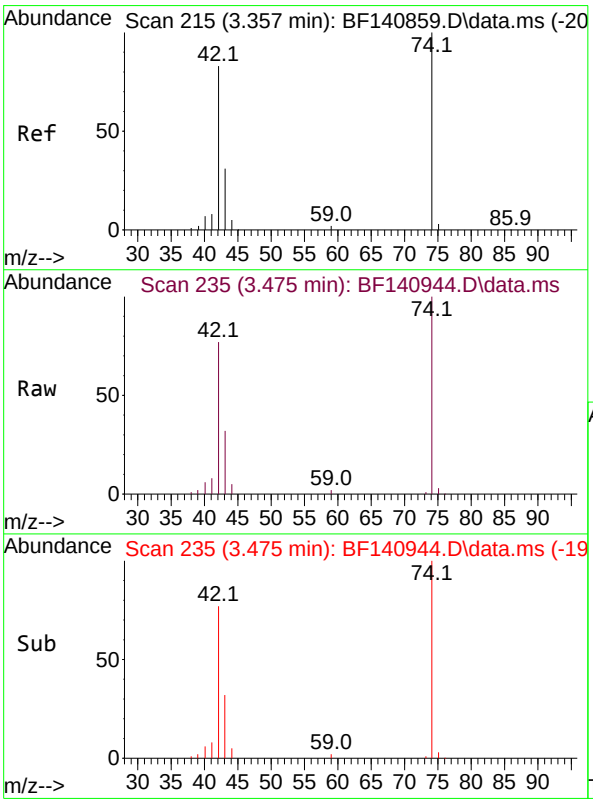
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.4 | 51.7 | 77.5 |
| 51 | 33.1 | 28.2 | 42.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

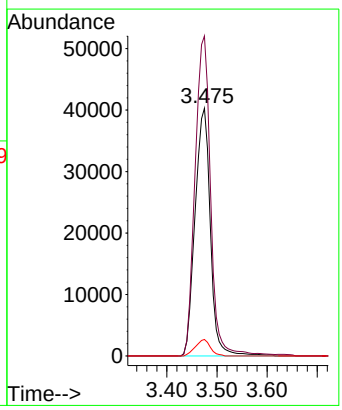
Reviewed By :Jagrut Upadhyay 12/23/2024
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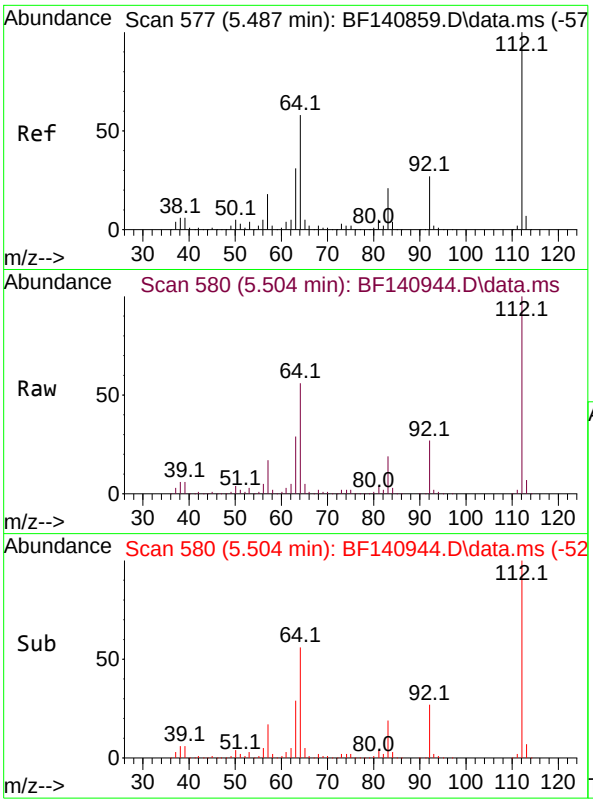



#4
n-Nitrosodimethylamine
Concen: 39.286 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.117 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 42 Resp: 85503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.2 | 96.9 | 145.3 |
| 44 | 6.7 | 4.4 | 6.6# |

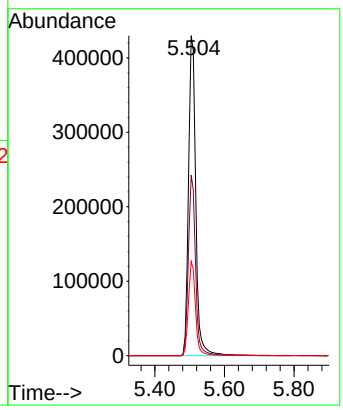





#5
2-Fluorophenol
Concen: 143.386 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:112 Resp: 62057

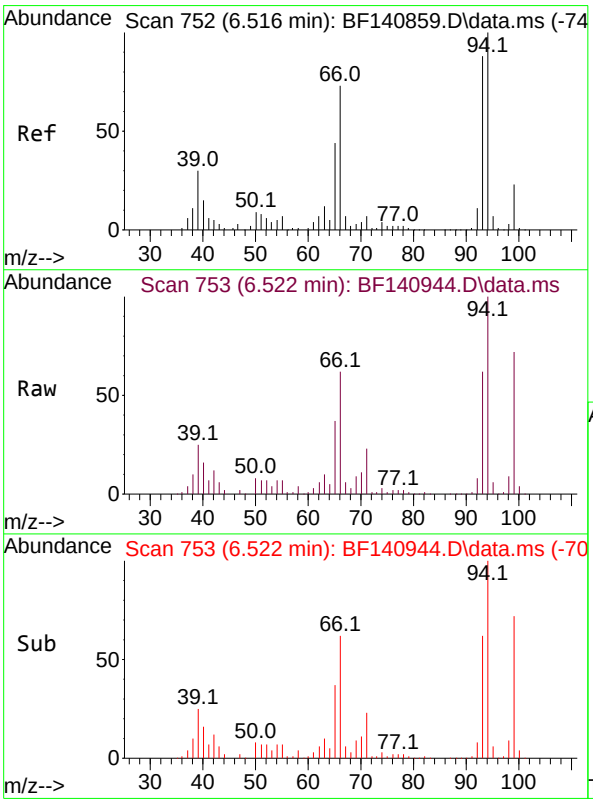
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.5 | 46.1 | 69.1 |
| 63 | 29.5 | 24.9 | 37.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

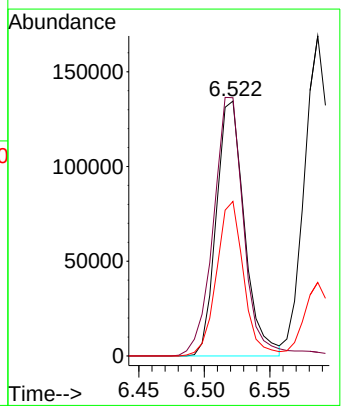
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

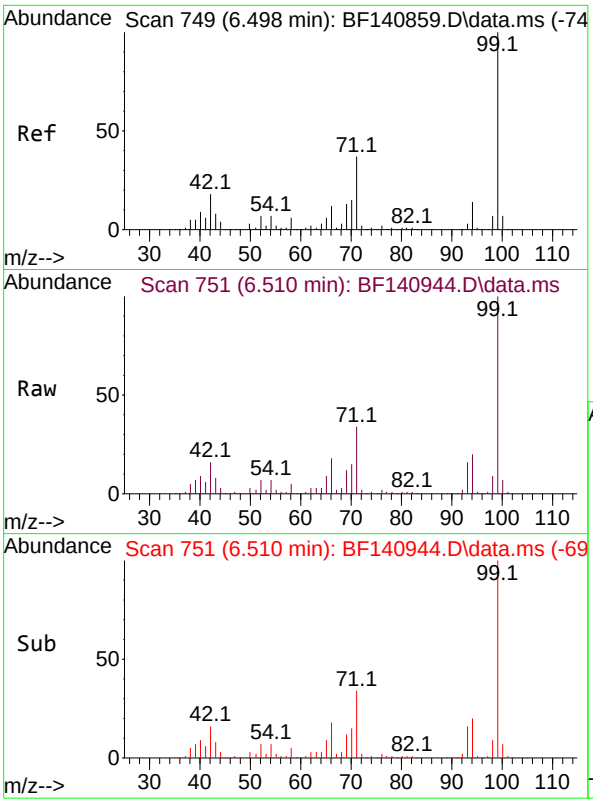



#6
Aniline
Concen: 40.919 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 93 Resp: 200558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 101.3 | 67.0 | 100.4# |
| 65 | 60.6 | 40.4 | 60.6# |

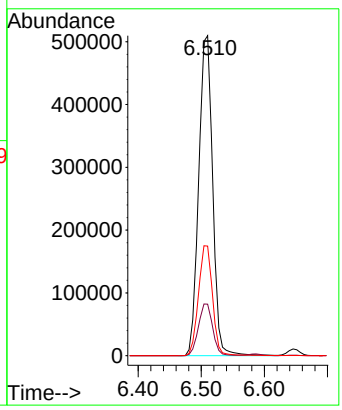





#7
Phenol-d6
Concen: 136.115 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

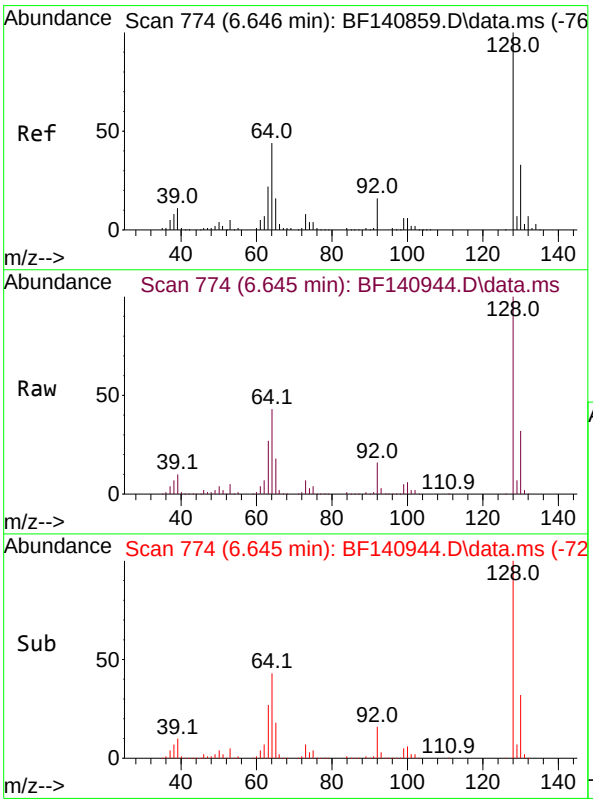
Tgt Ion: 99 Resp: 78027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.3 | 21.5 |
| 71 | 34.3 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

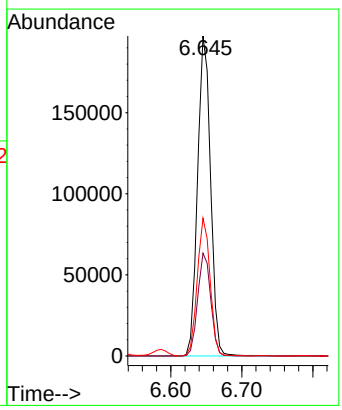
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

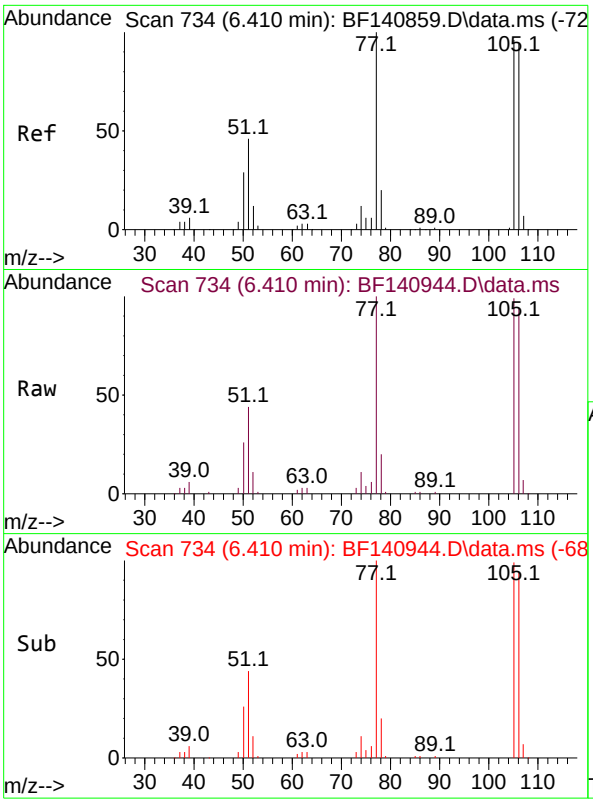



#8
2-Chlorophenol
Concen: 53.280 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:128 Resp: 251463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.9 | 52.9 |
| 64 | 43.0 | 24.3 | 64.3 |

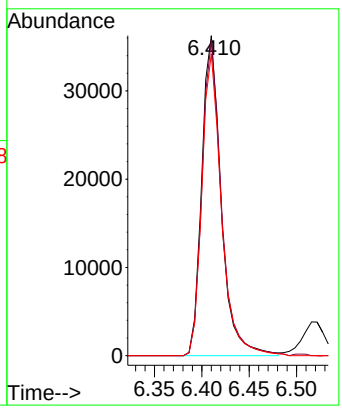





#9
Benzaldehyde
Concen: 16.266 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 77 Resp: 5166

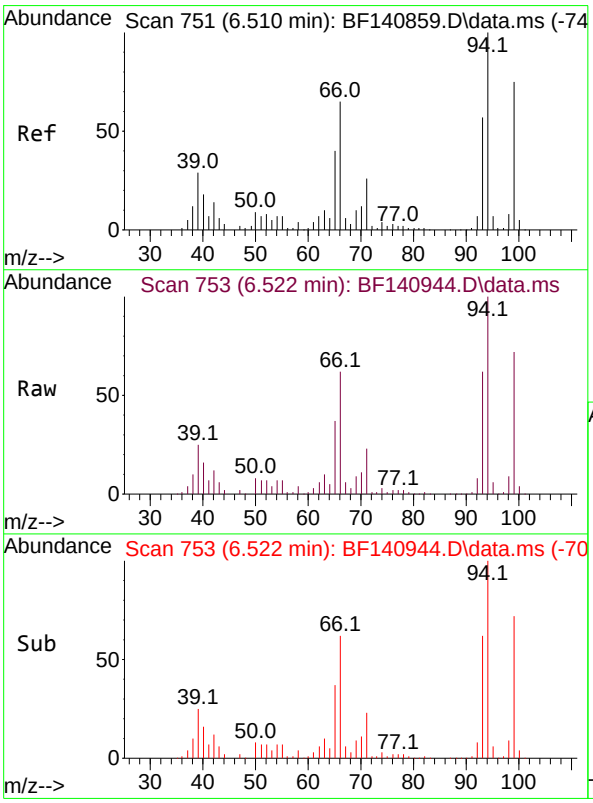
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.5 | 75.8 | 115.8 |
| 106 | 94.3 | 74.1 | 114.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

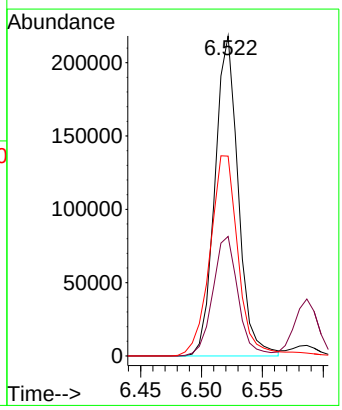
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

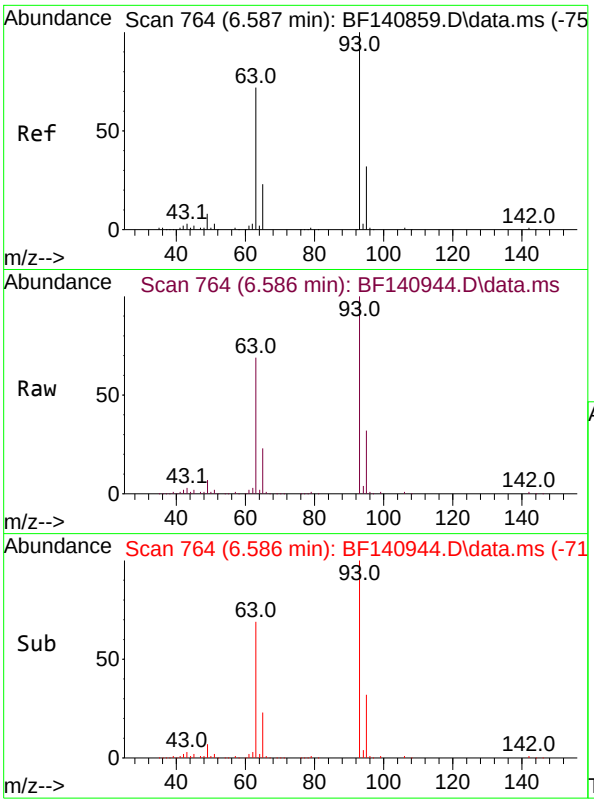



#10
Phenol
Concen: 48.944 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 94 Resp: 290791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.4 | 19.9 | 59.9 |
| 66 | 62.5 | 45.6 | 85.6 |

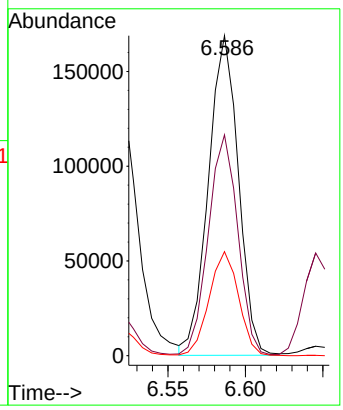





#11
bis(2-Chloroethyl)ether
Concen: 51.253 ng
RT: 6.586 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 93 Resp: 22709

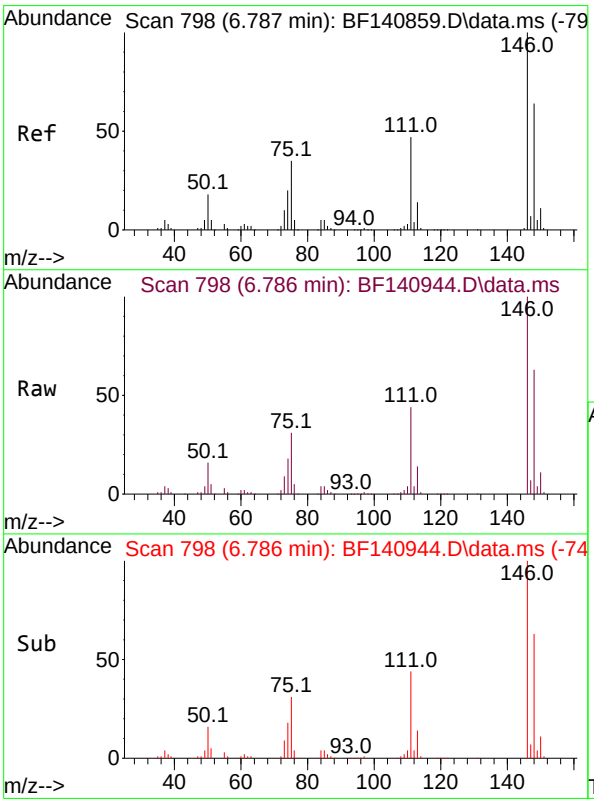
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.0 | 51.0 | 91.0 |
| 95 | 32.5 | 12.0 | 52.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

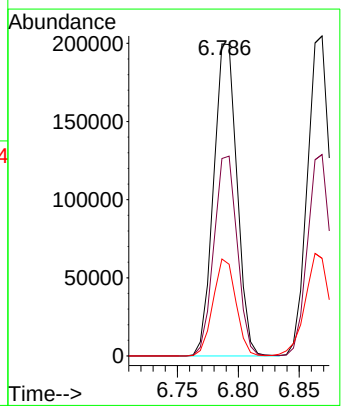
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

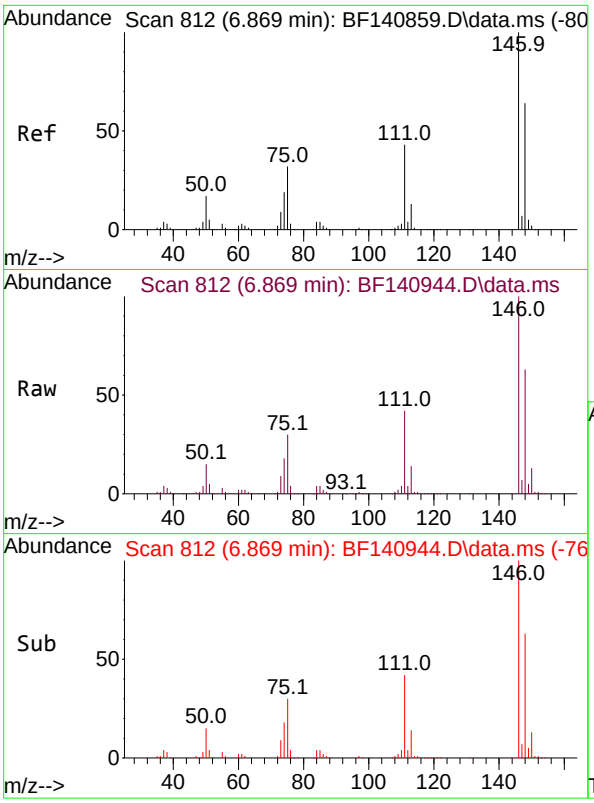



#12
1,3-Dichlorobenzene
Concen: 49.664 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 267093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 75 | 31.1 | 28.1 | 42.1 |

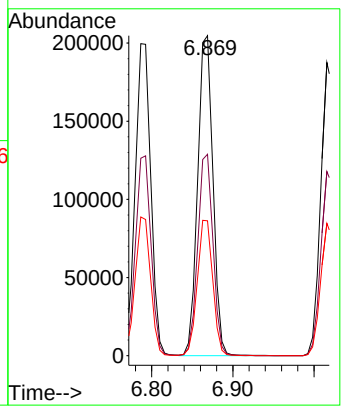





#13
1,4-Dichlorobenzene
Concen: 49.158 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 26835

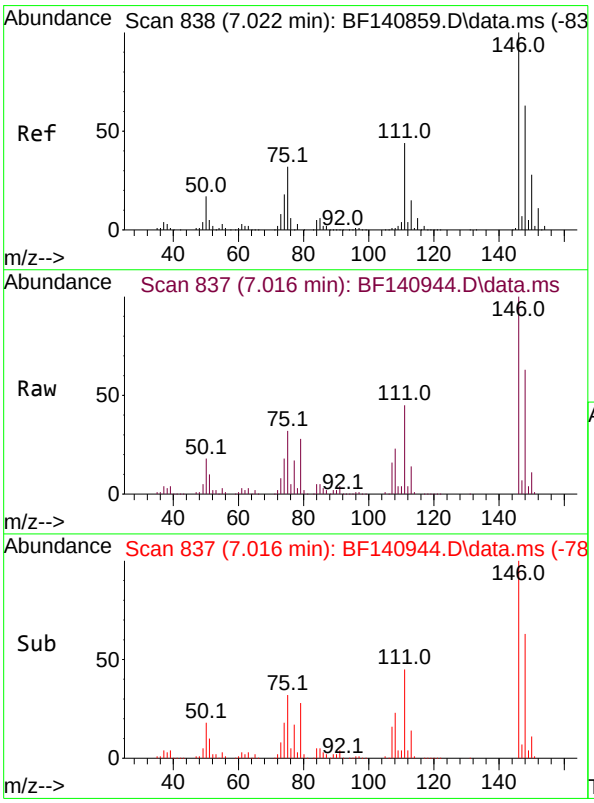
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 51.3 | 76.9 |
| 111 | 42.2 | 34.4 | 51.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

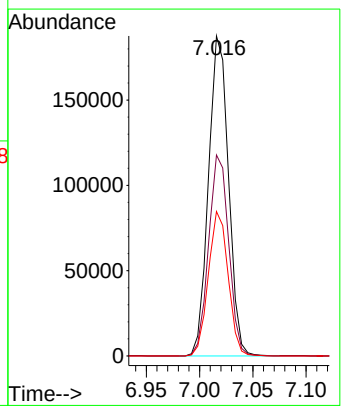
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

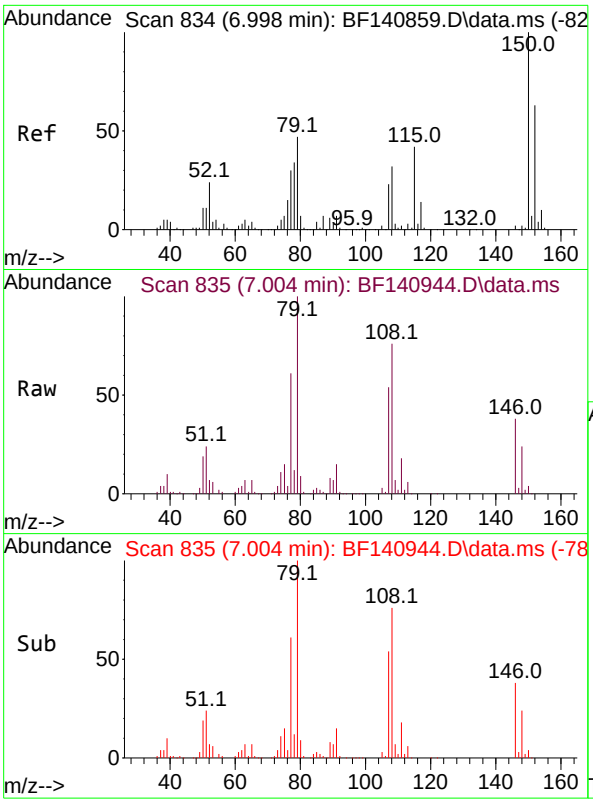



#14
1,2-Dichlorobenzene
Concen: 47.549 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 244910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.0 | 75.0 |
| 111 | 45.1 | 35.6 | 53.4 |






#15
Benzyl Alcohol
Concen: 49.369 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

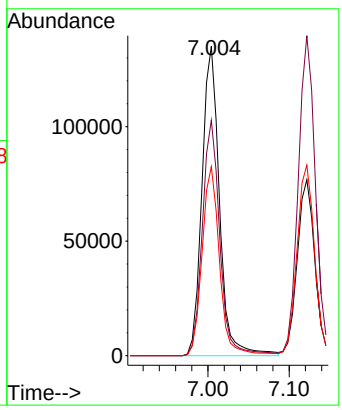
Tgt Ion: 79 Resp: 20235

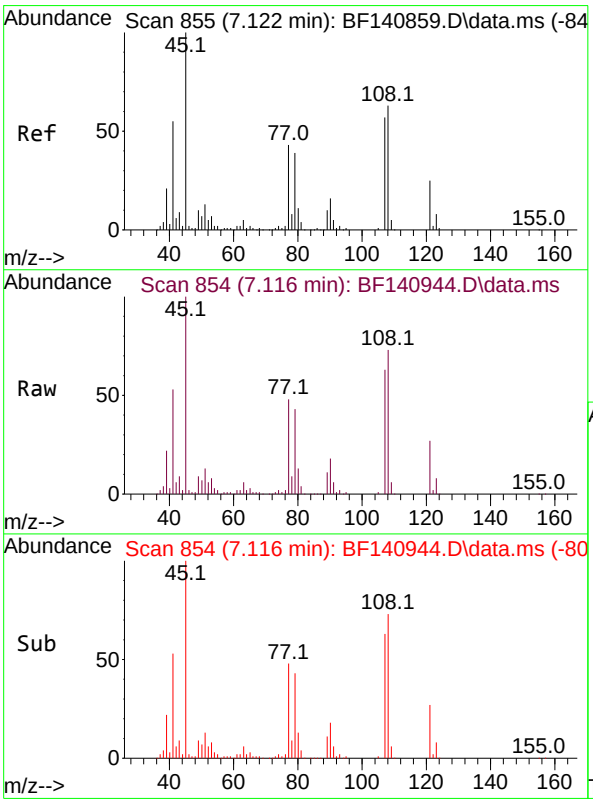
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 55.1 | 82.7 |
| 77 | 61.0 | 50.6 | 76.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
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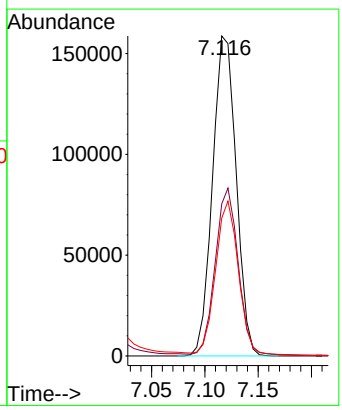


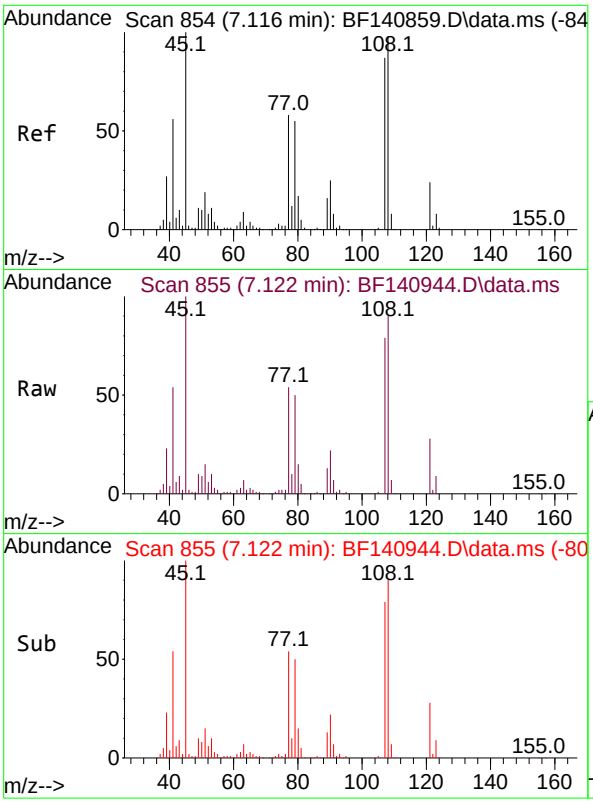




#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.913 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 45 Resp: 244867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 47.5 | 23.3 | 63.3 |
| 79 | 43.1 | 20.0 | 60.0 |

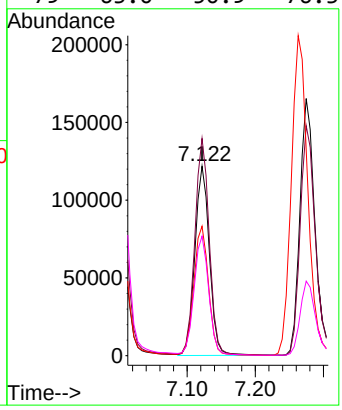





#17
2-Methylphenol
Concen: 47.995 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

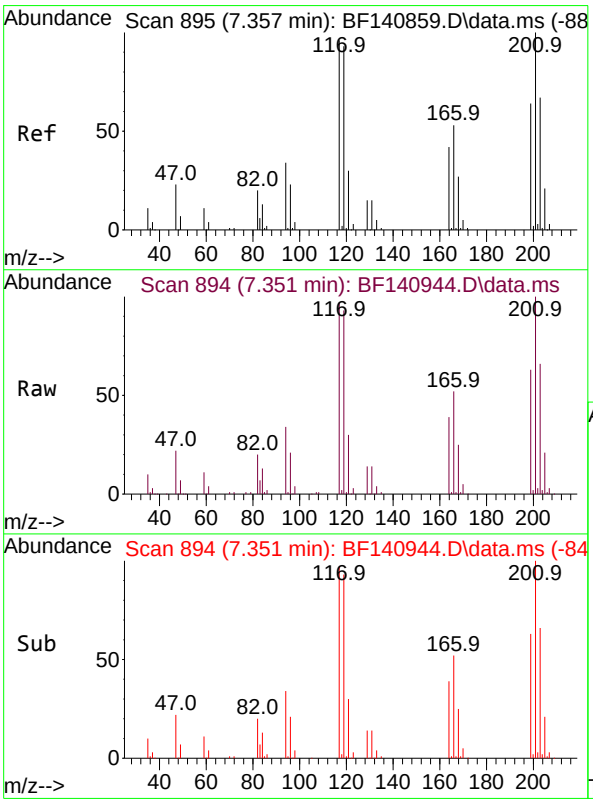
Tgt Ion:107 Resp: 18085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.6 | 90.2 | 135.4 |
| 77 | 68.3 | 53.8 | 80.6 |
| 79 | 63.0 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

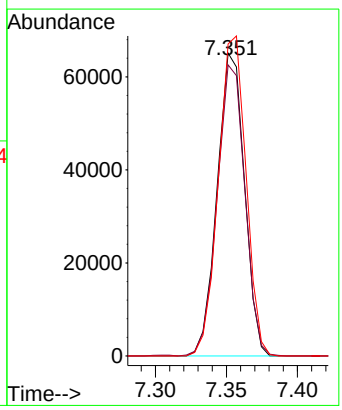
**Manual Integrations**
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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

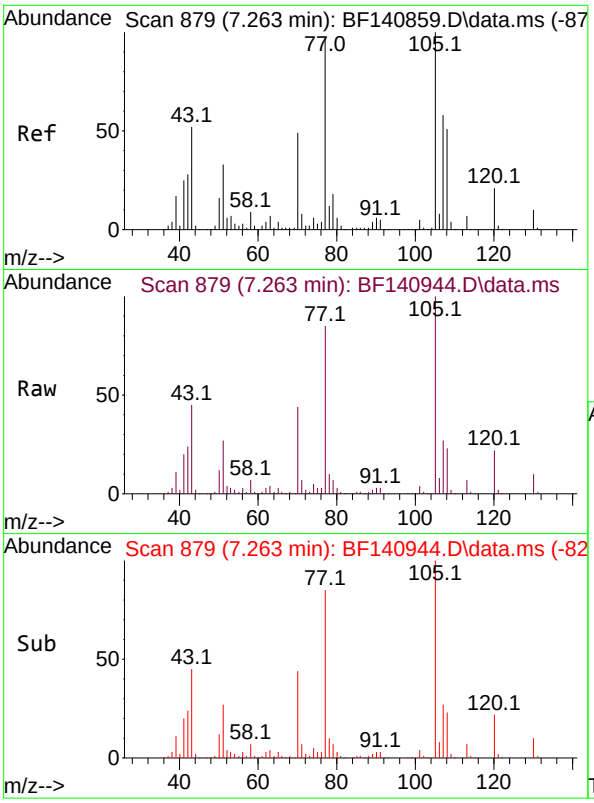



#18
Hexachloroethane
Concen: 42.869 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:117 Resp: 87121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.4 | 116.0 |
| 201 | 103.0 | 83.4 | 125.0 |

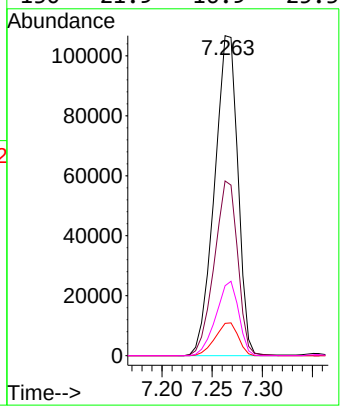





#19
n-Nitroso-di-n-propylamine
Concen: 50.203 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

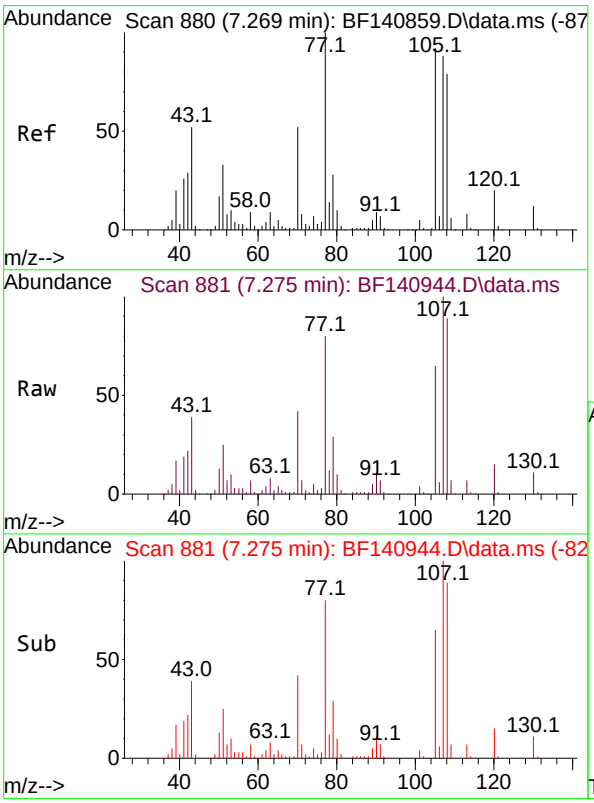
Tgt Ion: 70 Resp: 17263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.6 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 21.9 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

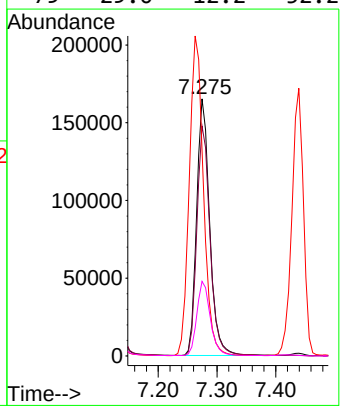
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

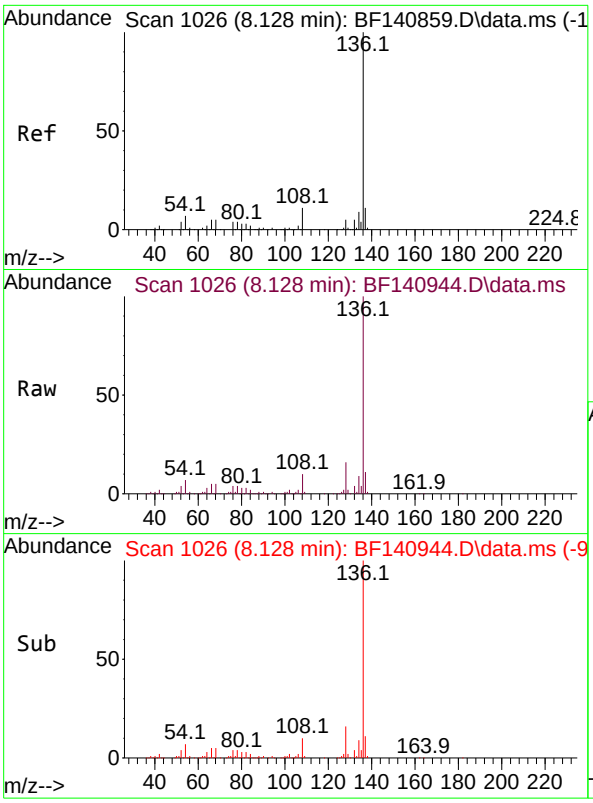



#20
3+4-Methylphenols
Concen: 51.031 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 254983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 70.1 | 110.1 |
| 77 | 80.1 | 94.4 | 134.4# |
| 79 | 29.0 | 12.2 | 52.2 |

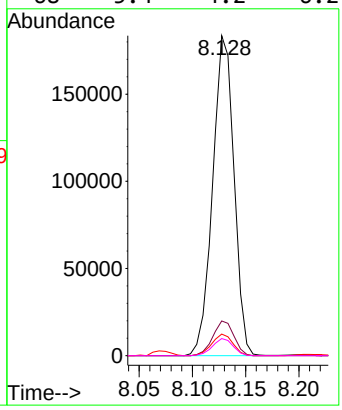





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:136 Resp: 25566

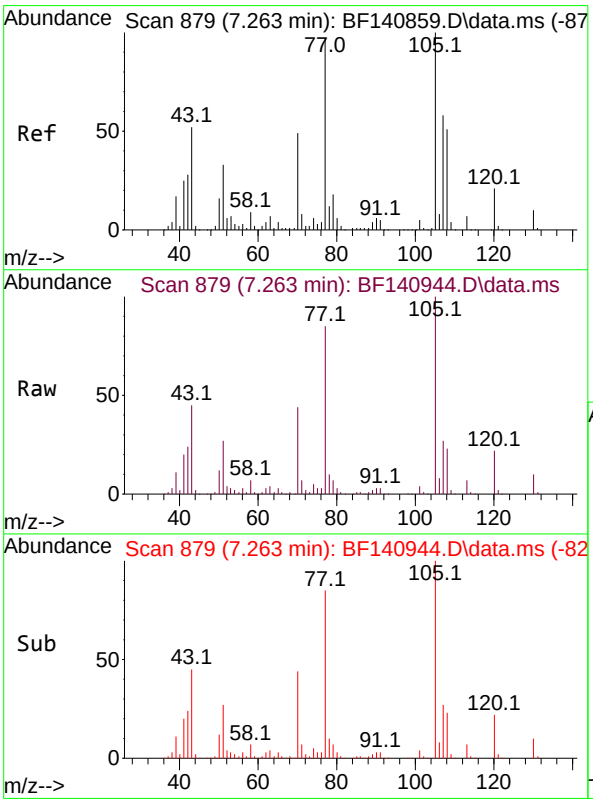
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.8 | 5.6 | 8.4 |
| 68 | 5.4 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

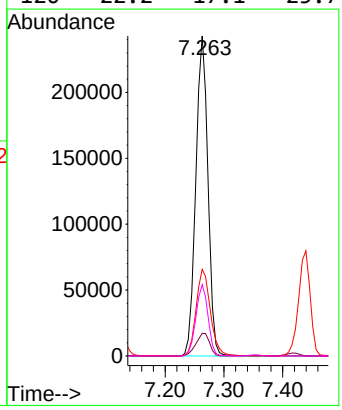
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

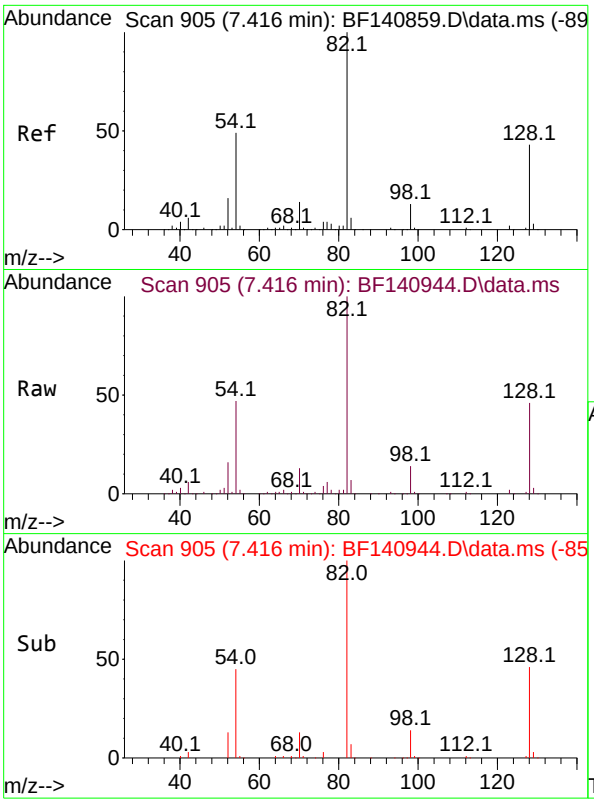



#22
Acetophenone
Concen: 54.389 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:105 Resp: 347847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 6.2 | 9.4 |
| 51 | 27.0 | 26.3 | 39.5 |
| 120 | 22.2 | 17.1 | 25.7 |

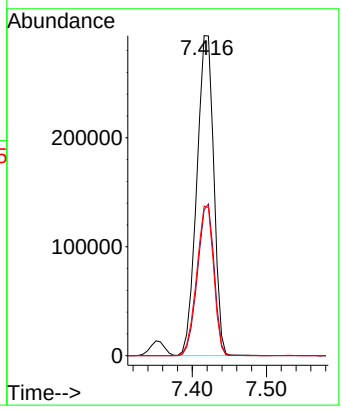





#23
Nitrobenzene-d5
Concen: 91.608 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 82 Resp: 46812

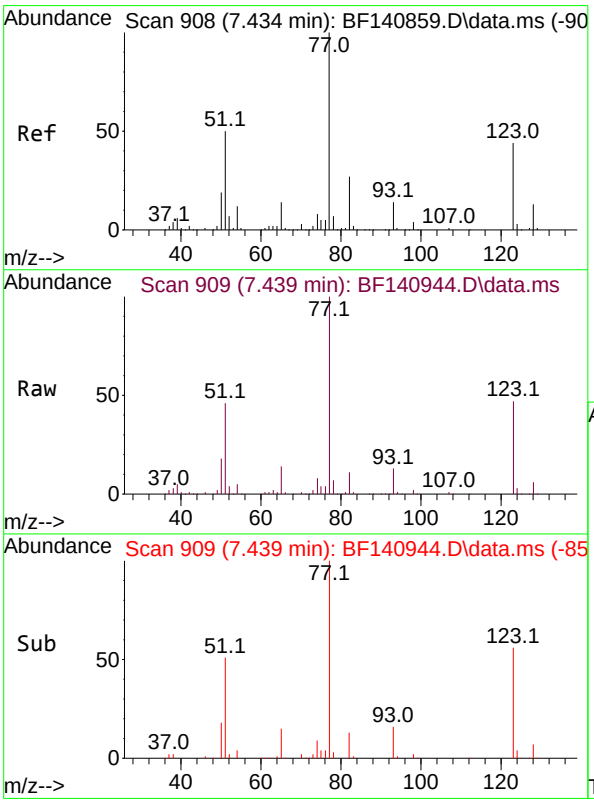
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.6 | 34.4 | 51.6 |
| 54 | 46.8 | 38.8 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

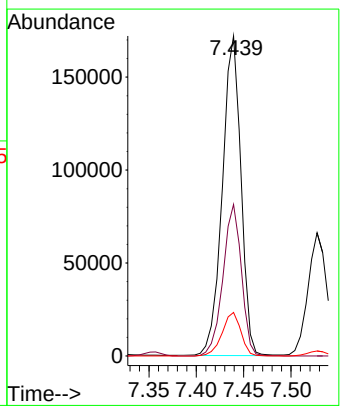
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

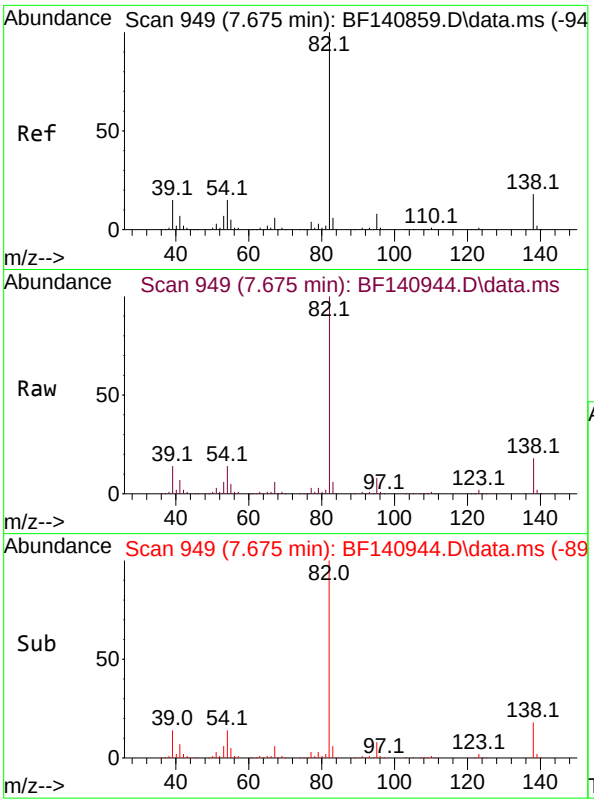



#24
Nitrobenzene
Concen: 45.000 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 77 Resp: 235580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.3 | 35.0 | 52.4 |
| 65 | 13.6 | 11.4 | 17.0 |

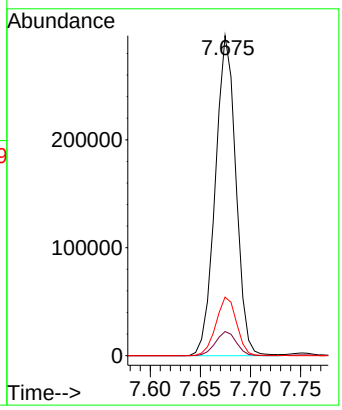





#25
Isophorone
Concen: 49.531 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 82 Resp: 42410

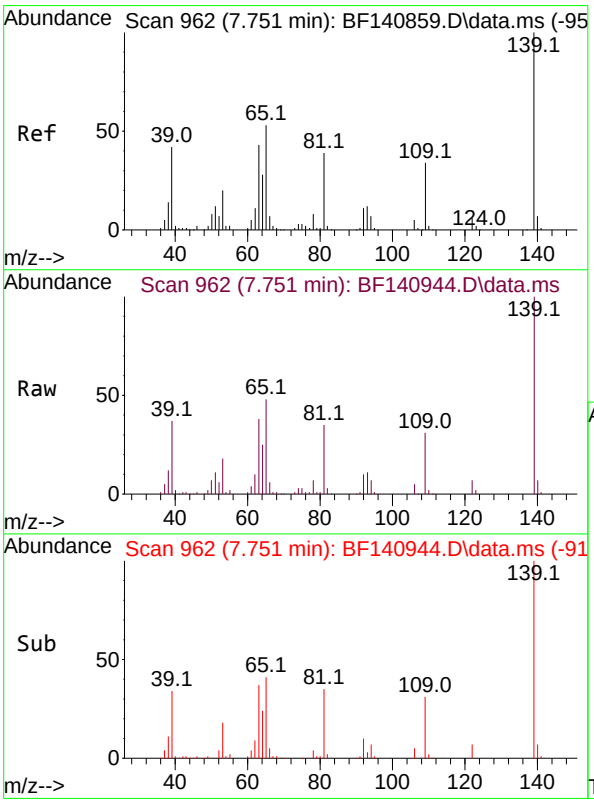
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.3 | 9.5 |
| 138 | 18.3 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

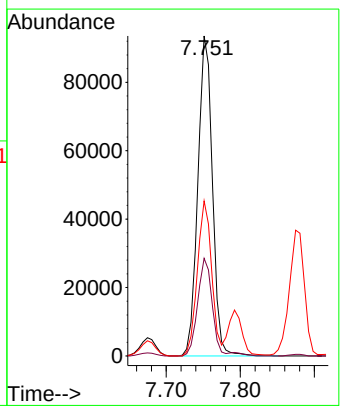
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

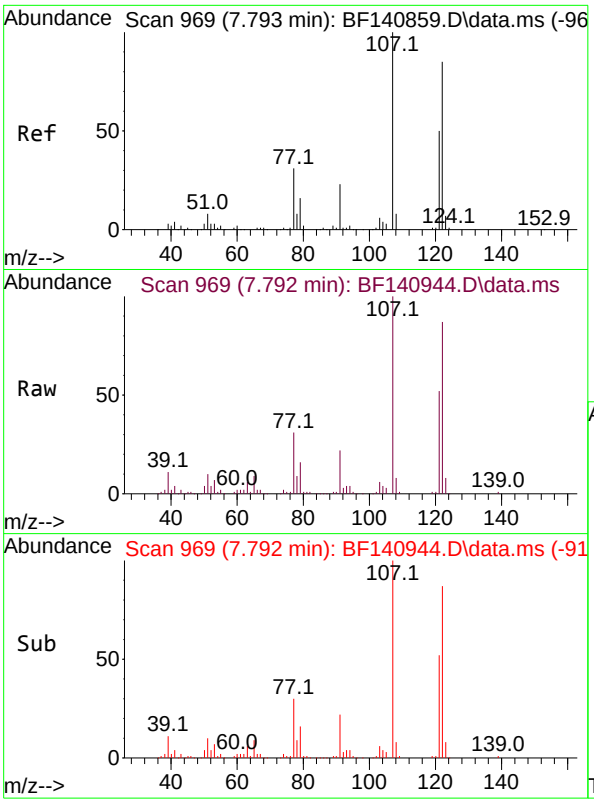



#26
2-Nitrophenol
Concen: 53.191 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:139 Resp: 128251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 26.9 | 40.3 |
| 65 | 48.4 | 42.6 | 64.0 |

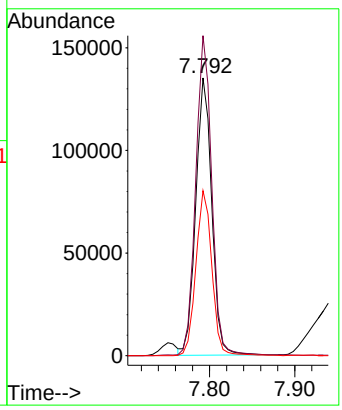





#27
2,4-Dimethylphenol
Concen: 62.636 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:122 Resp: 17637

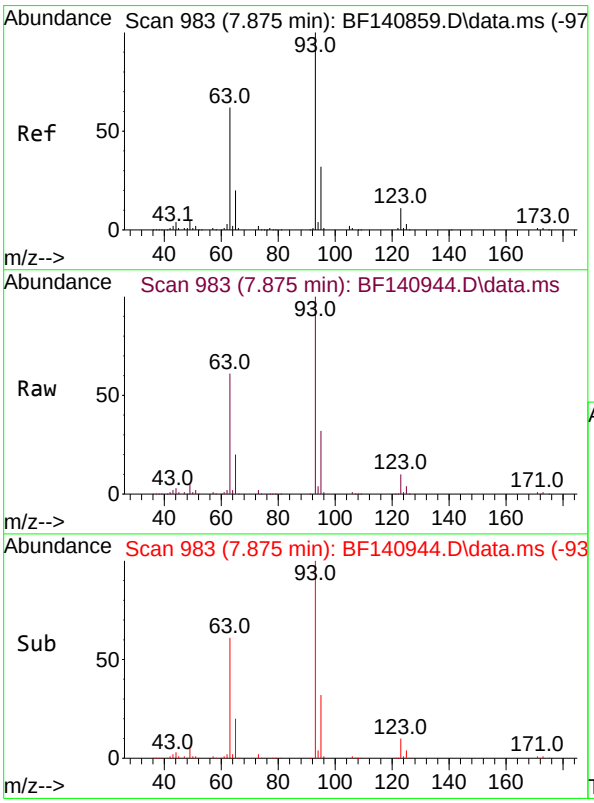
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.2 | 92.6 | 139.0 |
| 121 | 59.3 | 45.8 | 68.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

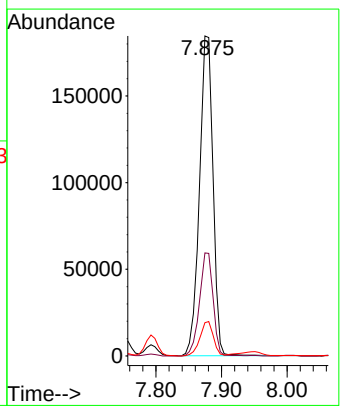
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

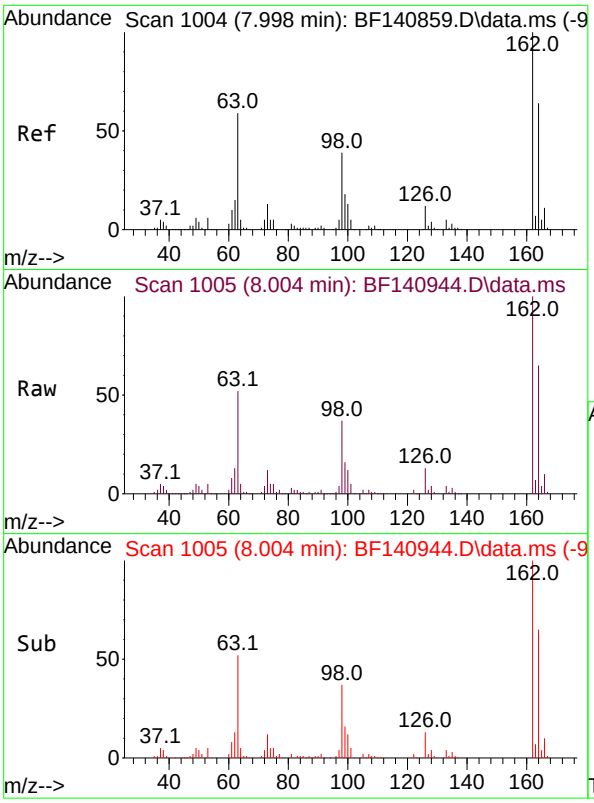



#28
bis(2-Chloroethoxy)methane
Concen: 49.677 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 93 Resp: 265660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.3 | 37.9 |
| 123 | 10.4 | 8.6 | 13.0 |

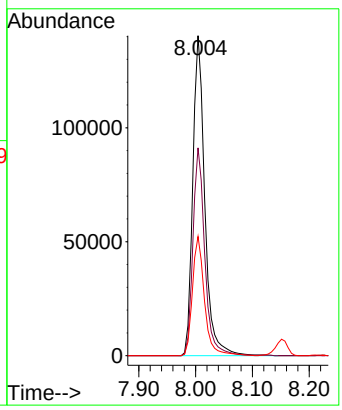





#29
2,4-Dichlorophenol
Concen: 53.277 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:162 Resp: 20711

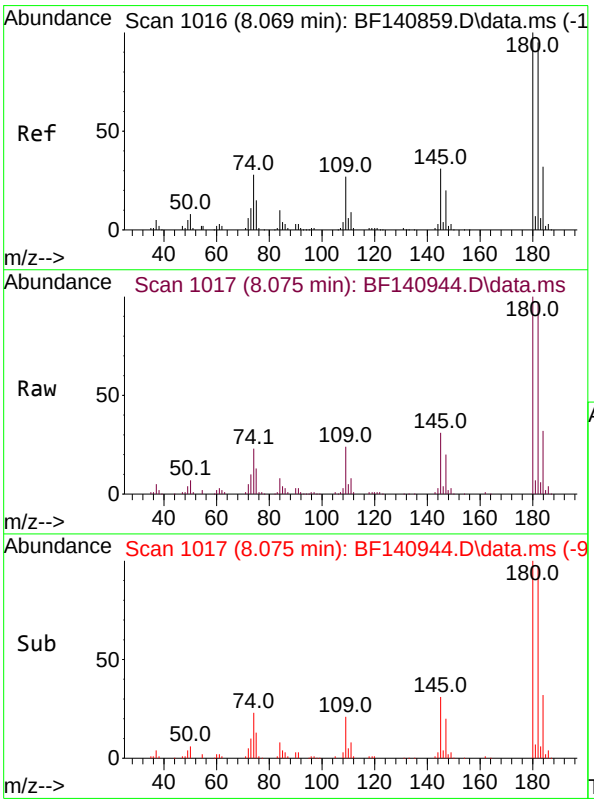
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 43.7 | 83.7 |
| 98 | 37.3 | 18.6 | 58.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

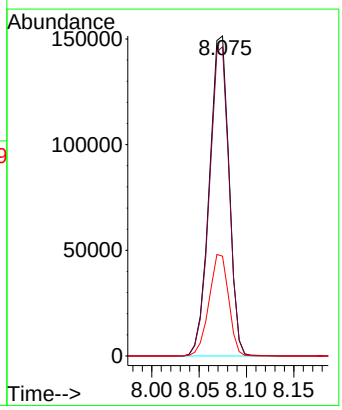
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

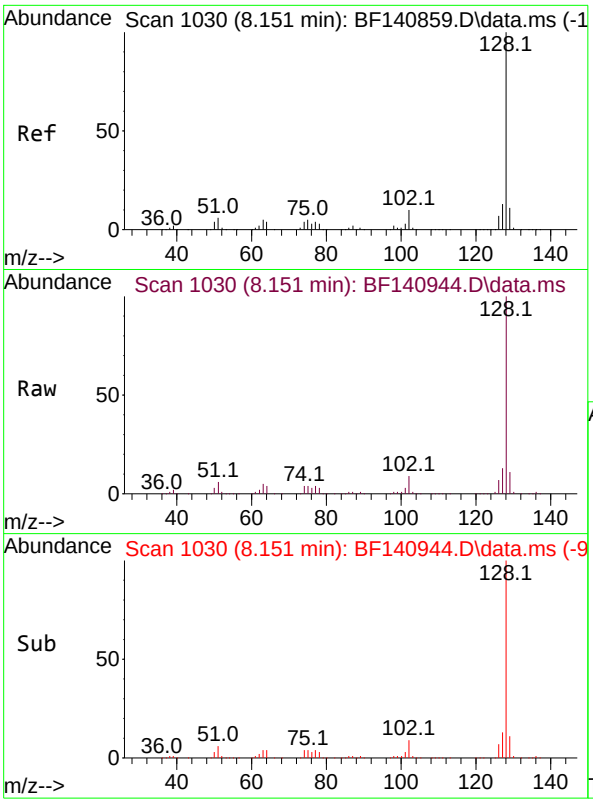



#30
1,2,4-Trichlorobenzene
Concen: 49.061 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:180 Resp: 218640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 75.8 | 113.6 |
| 145 | 31.2 | 25.2 | 37.8 |

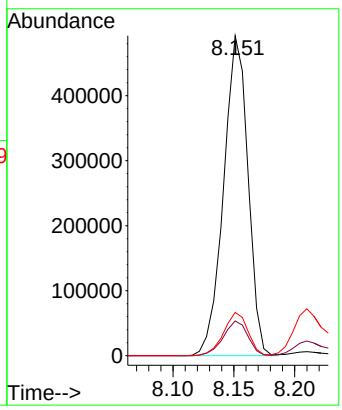





#31
Naphthalene
Concen: 48.804 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:128 Resp: 685399

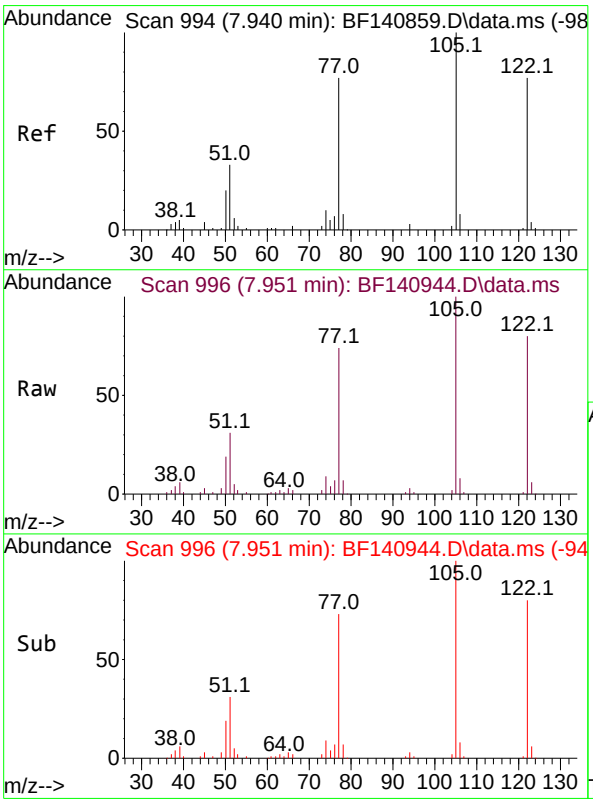
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.5 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

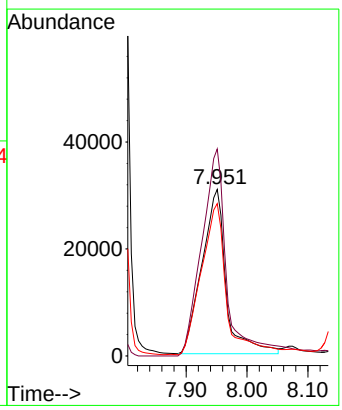
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

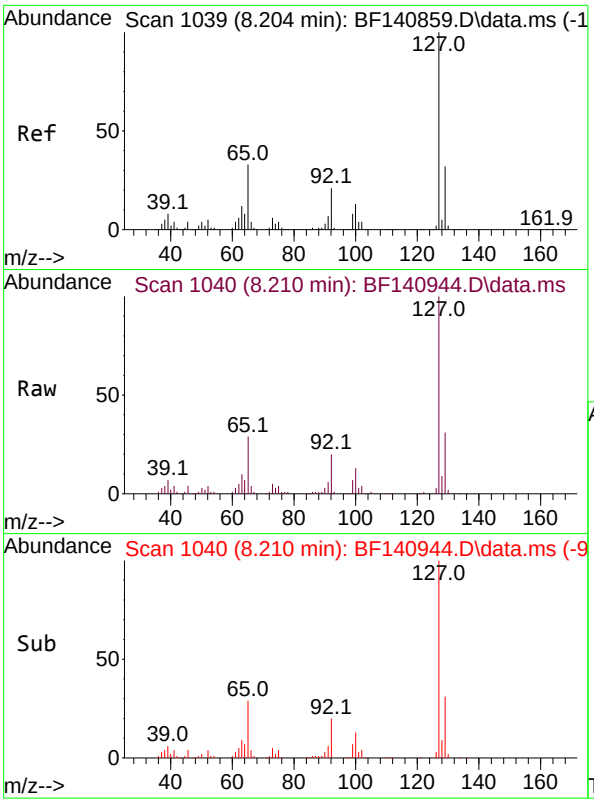



#32
Benzoic acid
Concen: 31.894 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:122 Resp: 85175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.3 | 108.3 | 148.3 |
| 77 | 91.4 | 78.8 | 118.8 |

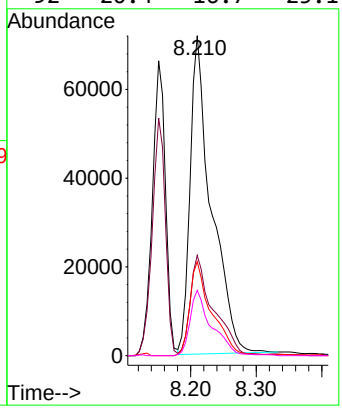





#33
4-Chloroaniline
Concen: 34.586 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:127 Resp: 16132

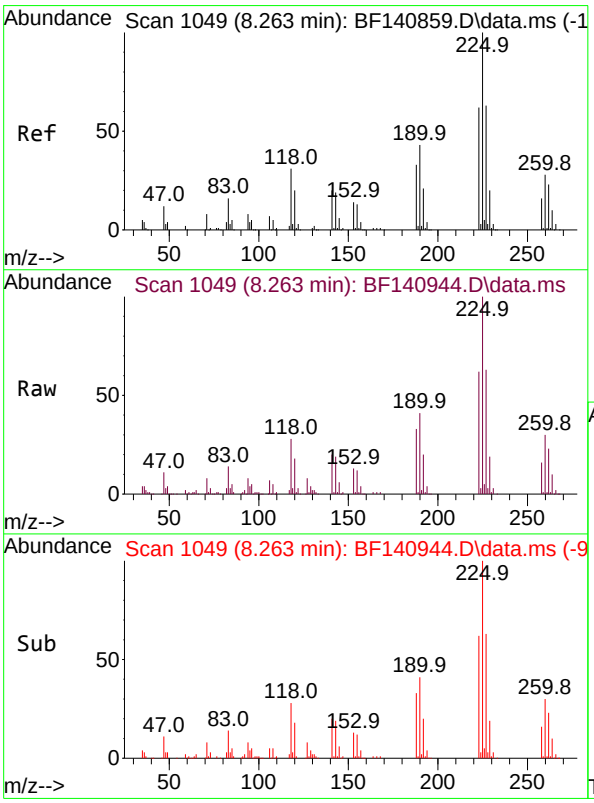
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 26.0 | 39.0 |
| 65 | 29.4 | 26.0 | 39.0 |
| 92 | 20.4 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

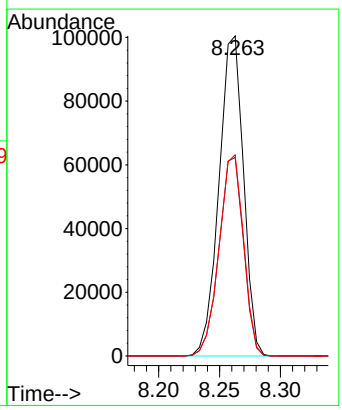
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

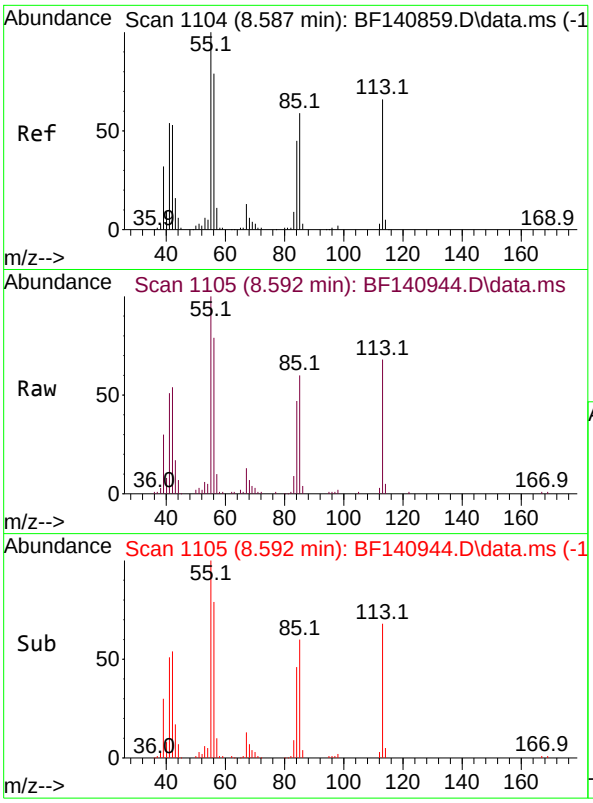



#34
Hexachlorobutadiene
Concen: 46.981 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:225 Resp: 140865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.6 | 74.4 |
| 227 | 62.8 | 50.7 | 76.1 |






#35
Caprolactam
Concen: 49.612 ng m
RT: 8.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

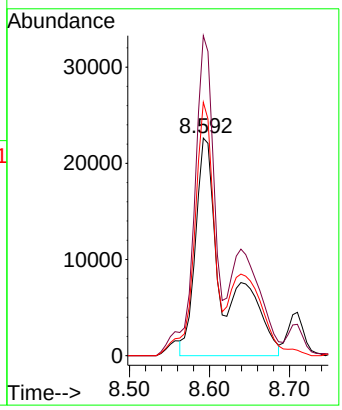
Tgt Ion:113 Resp: 5741

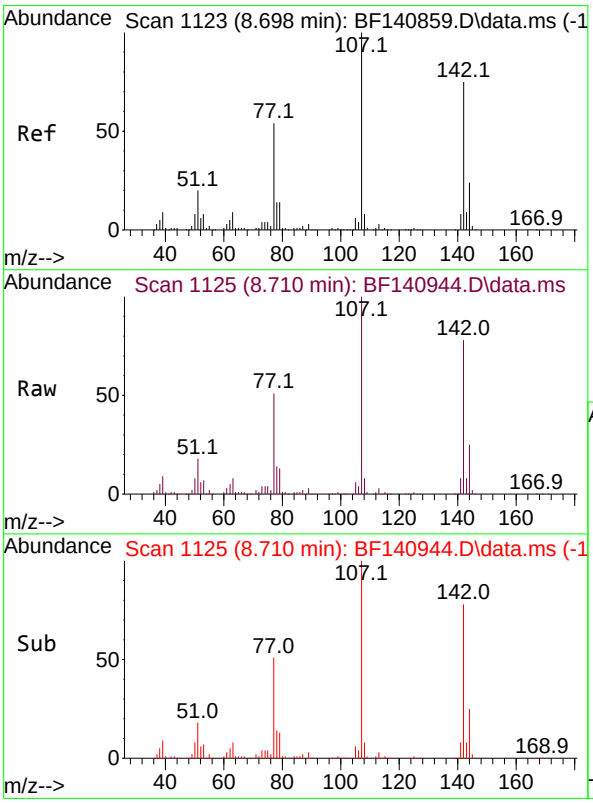
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 147.0 | 132.3 | 172.3 |
| 56 | 116.4 | 100.3 | 140.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
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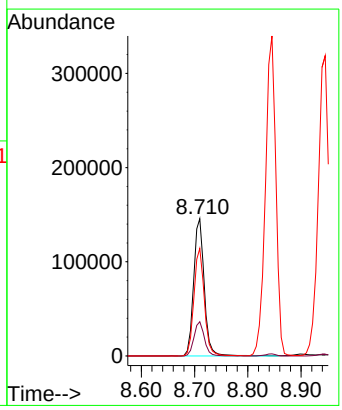


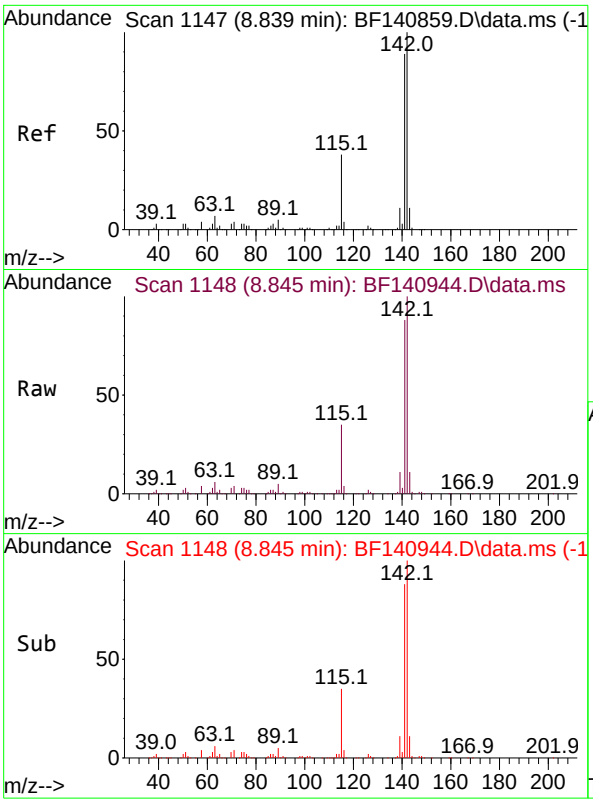




#36
4-Chloro-3-methylphenol
Concen: 46.112 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 201762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 19.4 | 29.2 |
| 142 | 78.3 | 60.3 | 90.5 |

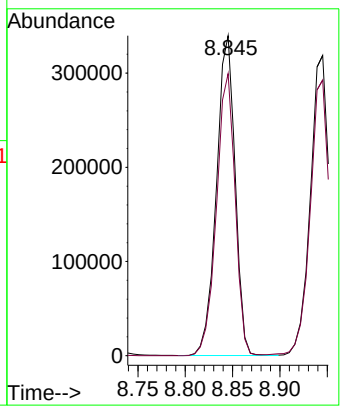





#37
2-Methylnaphthalene
Concen: 50.021 ng
RT: 8.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:142 Resp: 46469

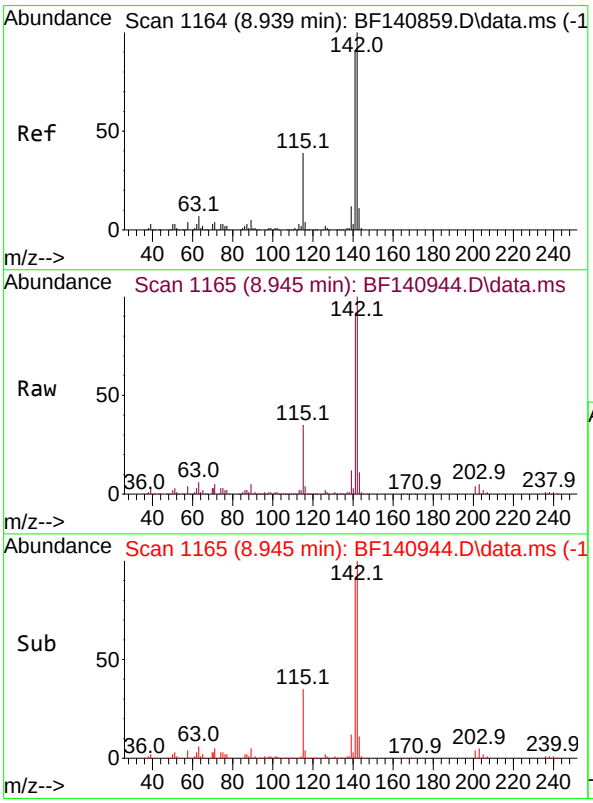
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.0 | 106.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

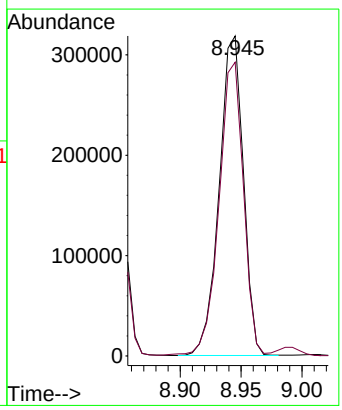
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

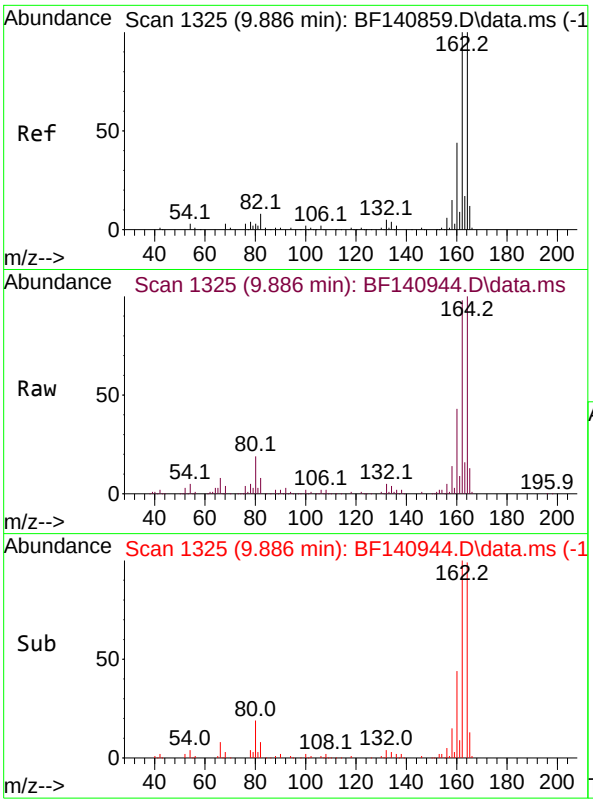



#38
1-Methylnaphthalene
Concen: 47.751 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:142 Resp: 438727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.4 | 110.0 |

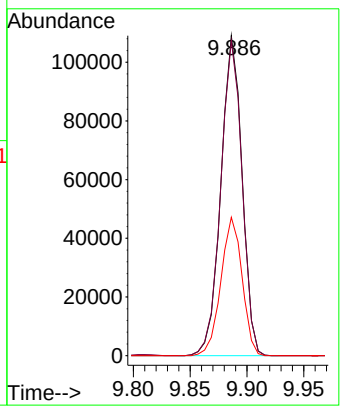





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:164 Resp: 14129

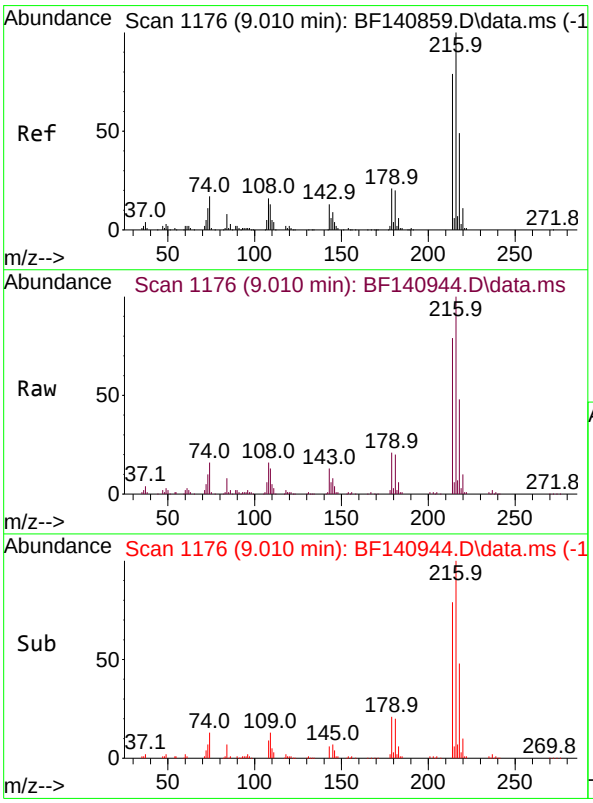
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.5 | 79.9 | 119.9 |
| 160 | 43.2 | 35.2 | 52.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

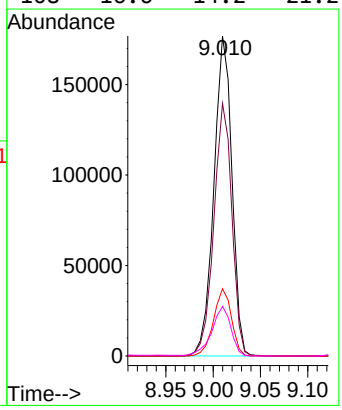
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

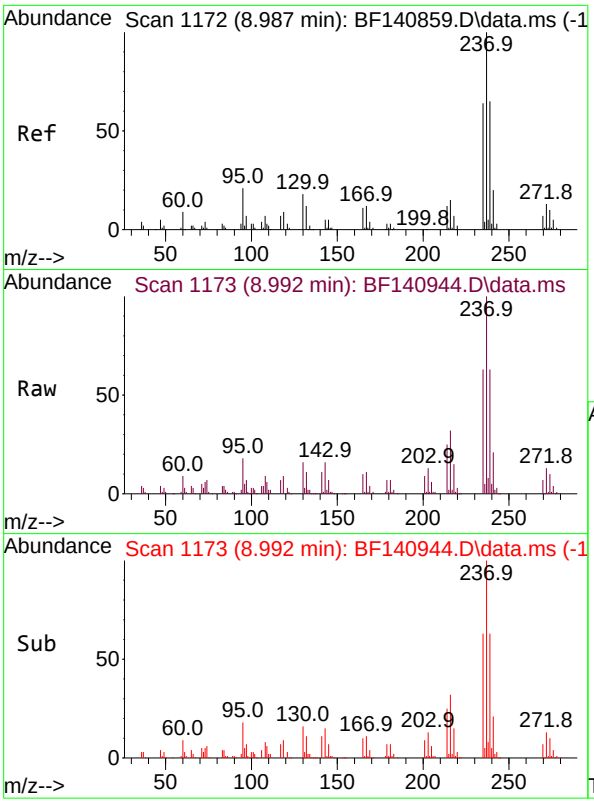



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.956 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:216 Resp: 234321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 16.6 | 14.2 | 21.2 |

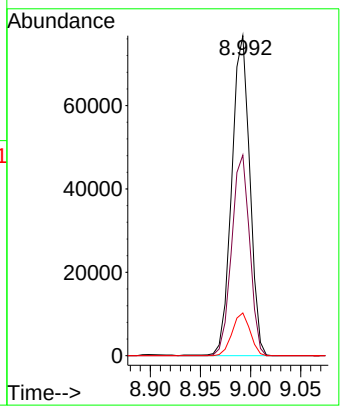





#41
Hexachlorocyclopentadiene
Concen: 68.569 ng
RT: 8.992 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:237 Resp: 9637

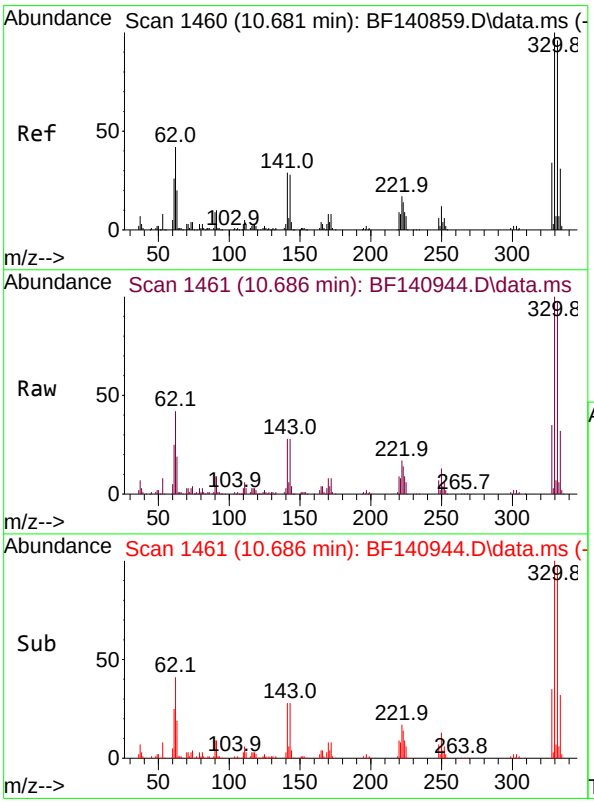
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 43.7 | 83.7 |
| 272 | 13.3 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

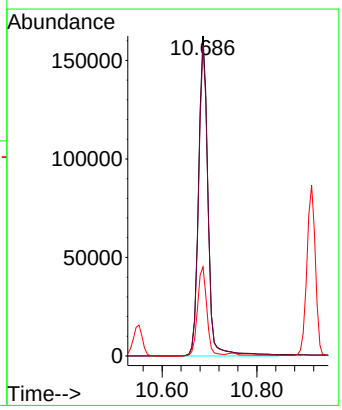
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

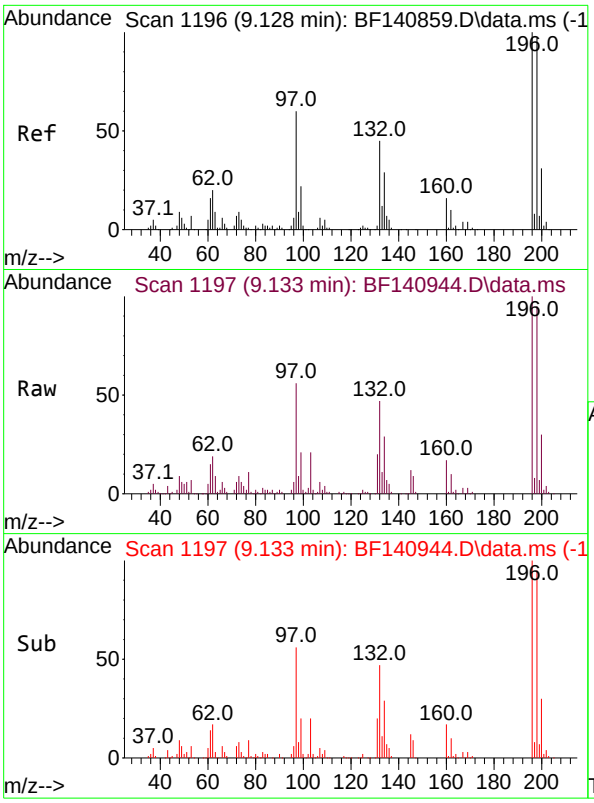



#42
2,4,6-Tribromophenol
Concen: 134.800 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:330 Resp: 225262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 76.2 | 114.4 |
| 141 | 27.4 | 24.9 | 37.3 |

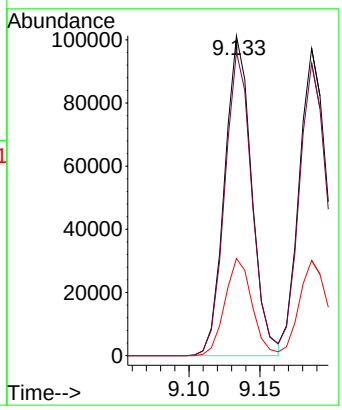





#43
2,4,6-Trichlorophenol
Concen: 50.276 ng
RT: 9.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

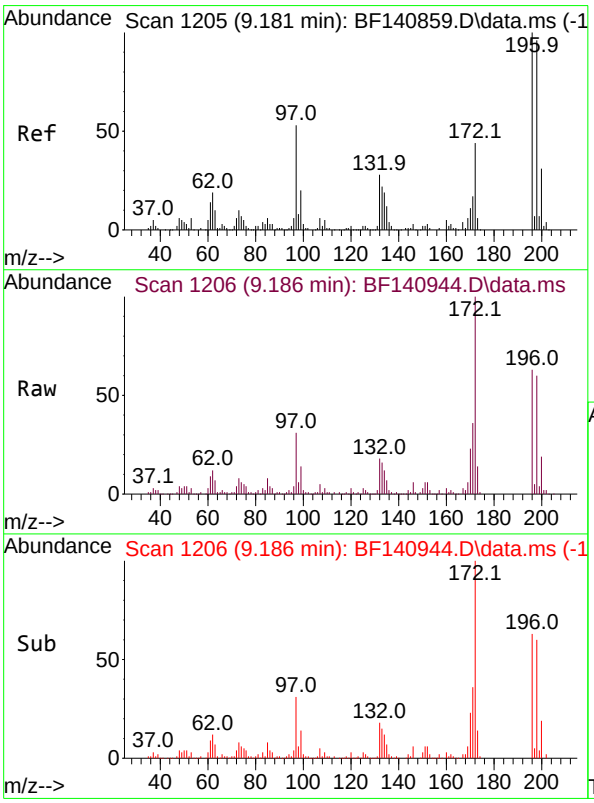
Tgt Ion:196 Resp: 13369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 77.4 | 116.0 |
| 200 | 30.3 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

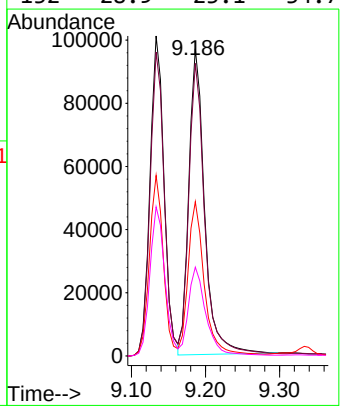
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

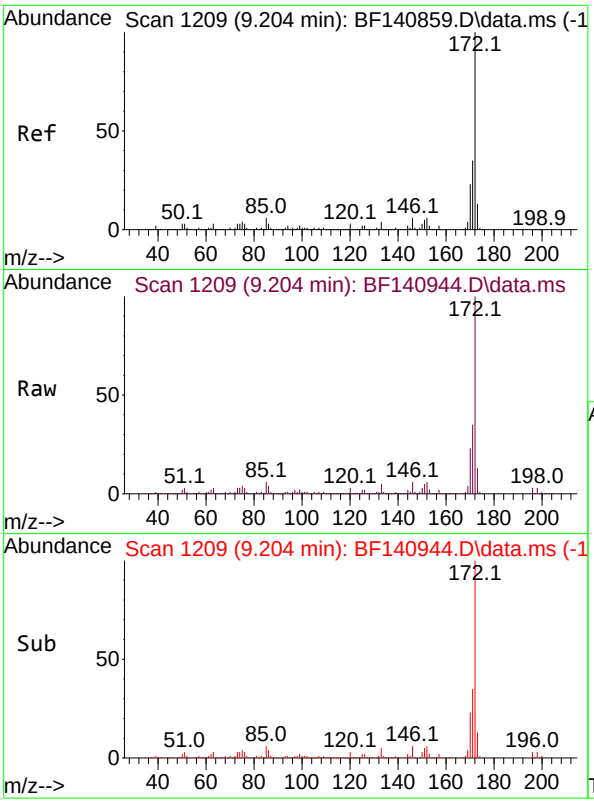



#44
2,4,5-Trichlorophenol
Concen: 49.003 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:196 Resp: 143227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 50.2 | 42.2 | 63.4 |
| 132 | 28.9 | 23.1 | 34.7 |

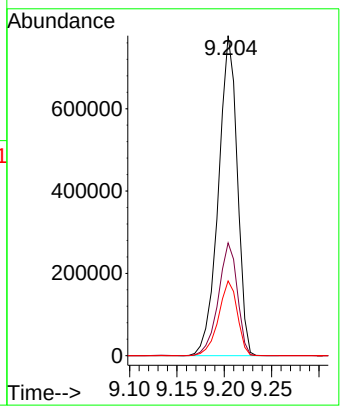





#45
2-Fluorobiphenyl
Concen: 105.274 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:172 Resp: 108188

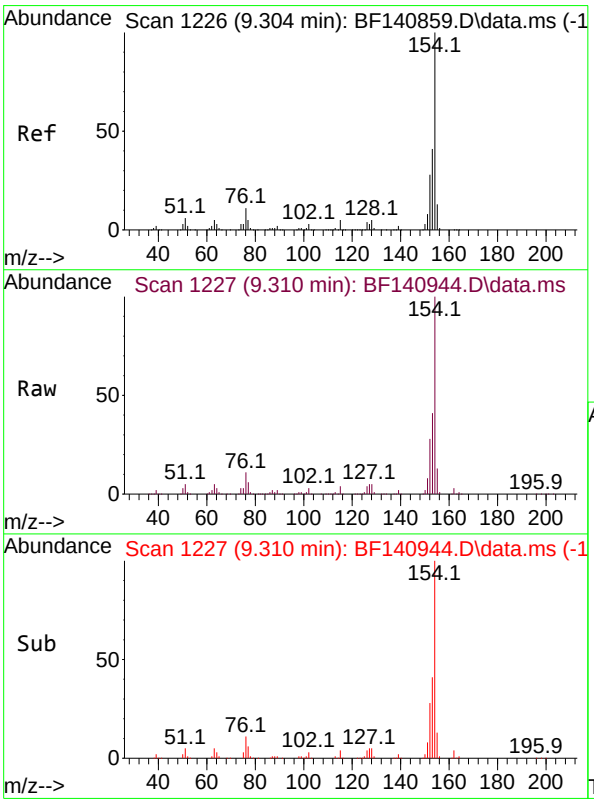
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.4 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

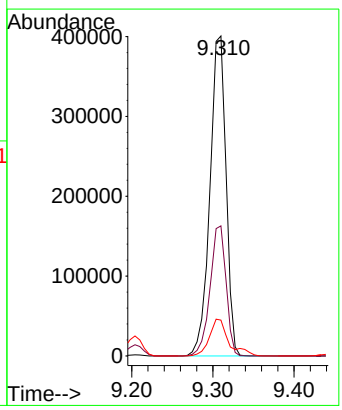
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

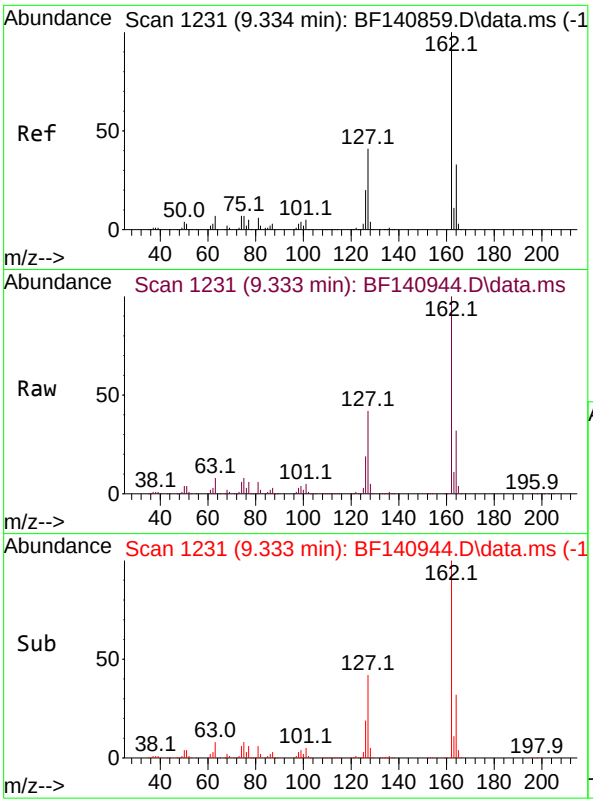



#46
1,1'-Biphenyl
Concen: 49.168 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:154 Resp: 552413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.8 | 60.8 |
| 76 | 11.2 | 0.0 | 31.0 |

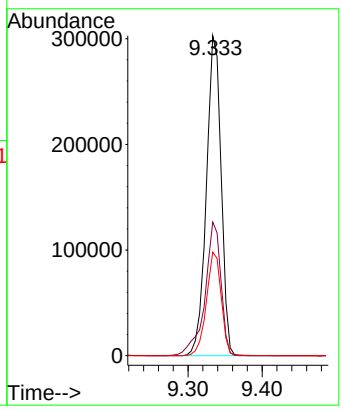





#47
2-Chloronaphthalene
Concen: 48.592 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

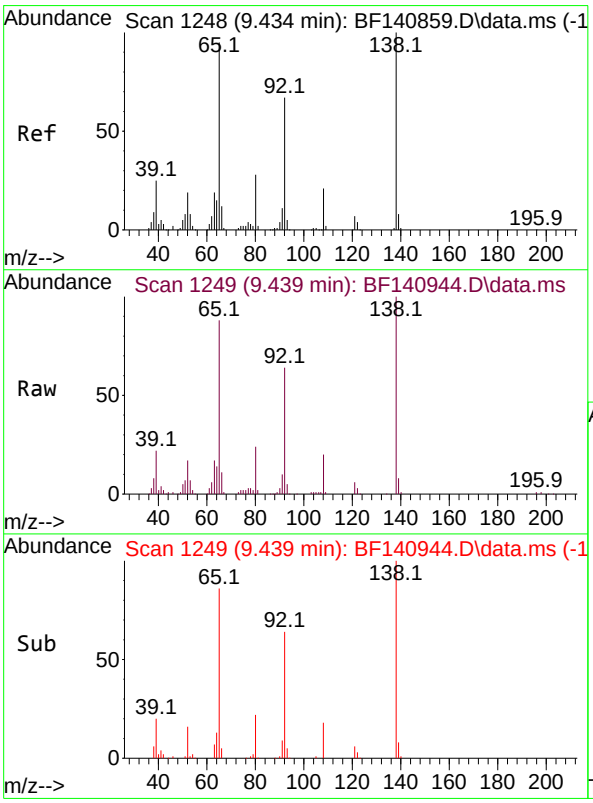
Tgt Ion:162 Resp: 41765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.5 | 50.3 |
| 164 | 32.4 | 26.2 | 39.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

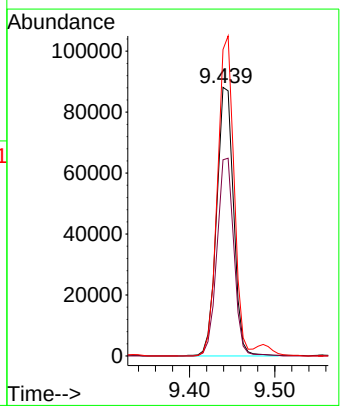
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

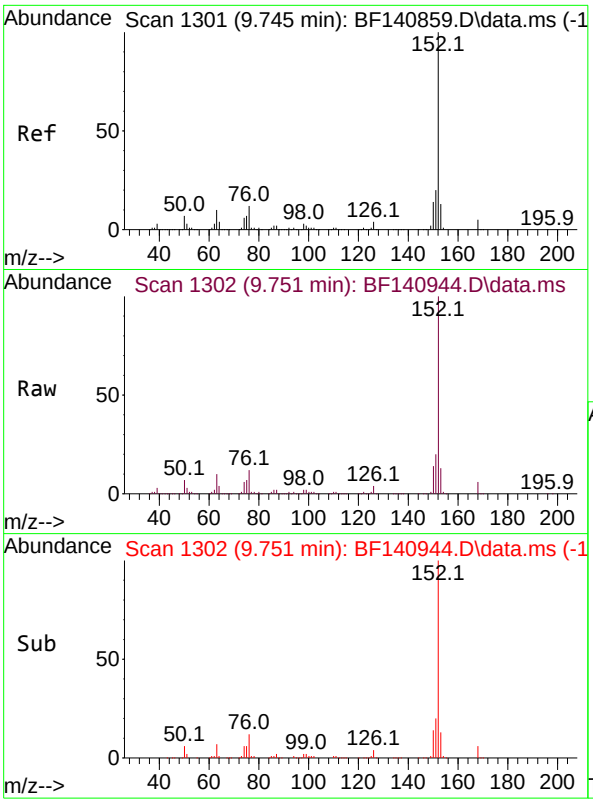



#48
2-Nitroaniline
Concen: 46.835 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 65 Resp: 121577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 56.3 | 84.5 |
| 138 | 114.0 | 83.8 | 125.6 |

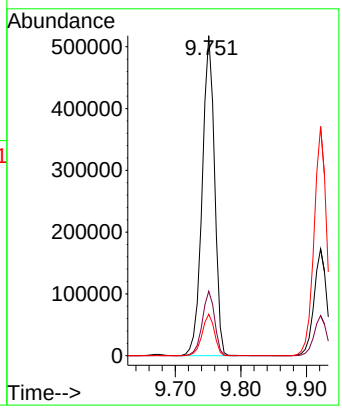





#49
Acenaphthylene
Concen: 53.969 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:152 Resp: 68169

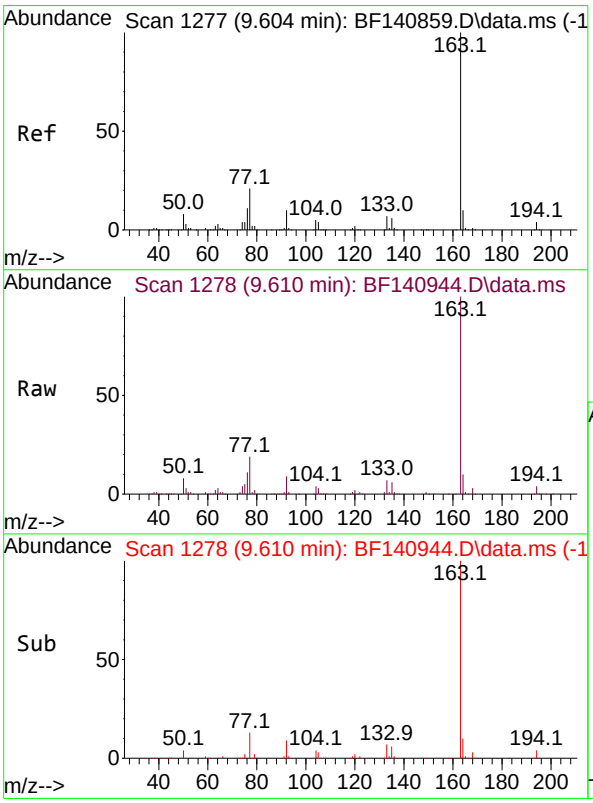
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

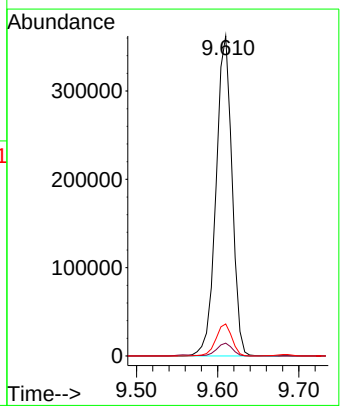
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

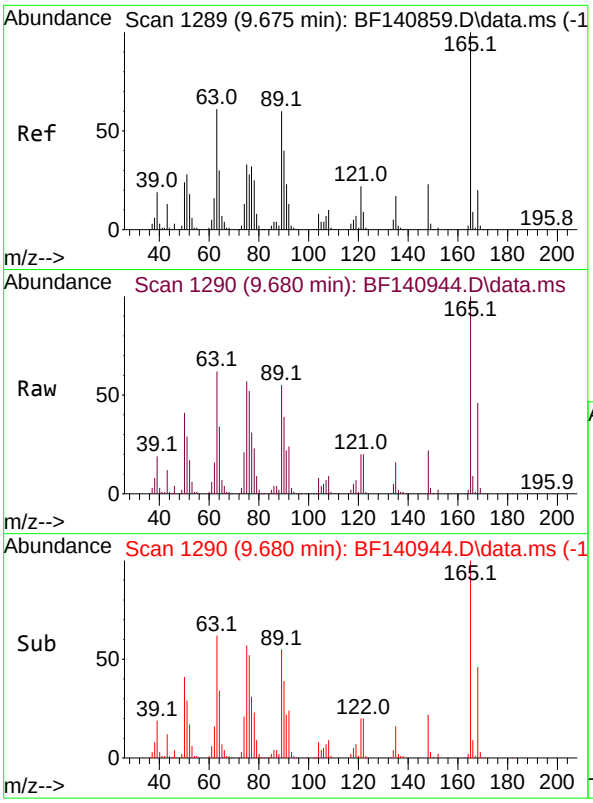



#50
Dimethylphthalate
Concen: 49.797 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:163 Resp: 496054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.0 | 8.1 | 12.1 |

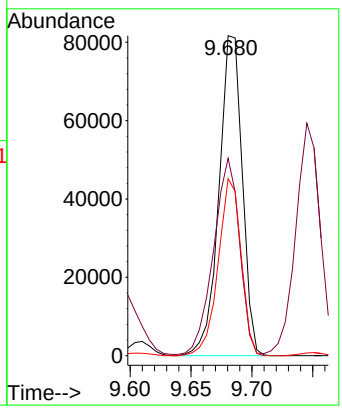





#51
2,6-Dinitrotoluene
Concen: 47.820 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:165 Resp: 10889

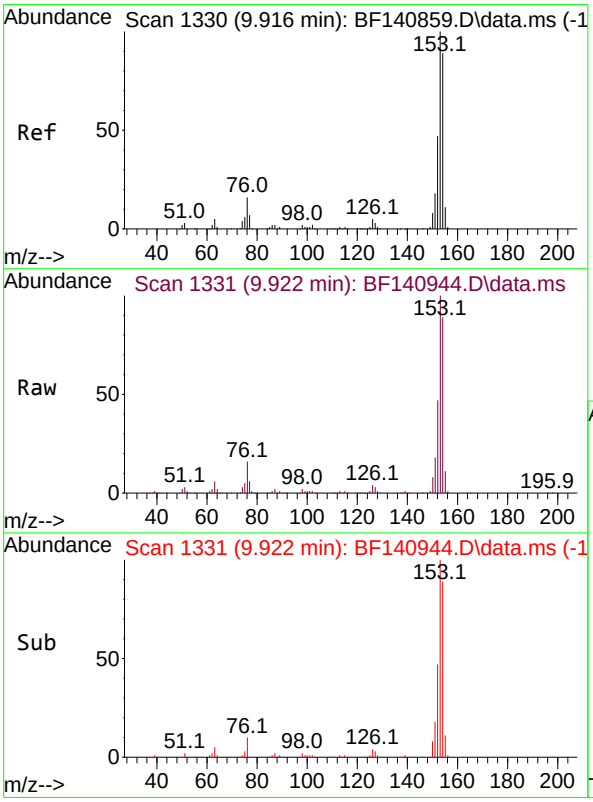
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 49.7 | 74.5 |
| 89 | 55.3 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

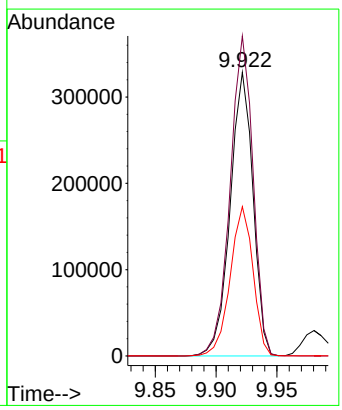
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

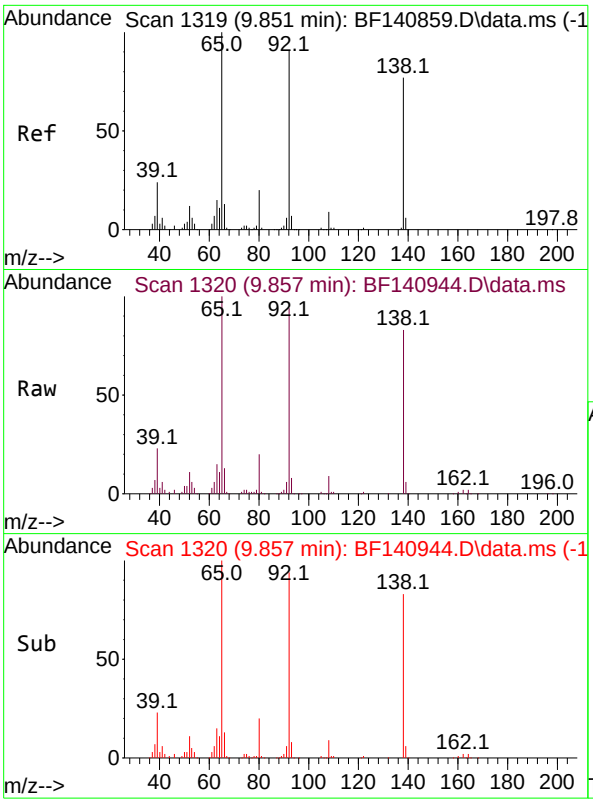



#52
Acenaphthene
Concen: 53.351 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:154 Resp: 430468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 89.9 | 134.9 |
| 152 | 52.6 | 42.6 | 63.8 |

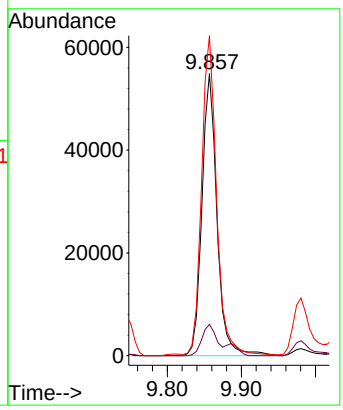





#53
3-Nitroaniline
Concen: 34.184 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

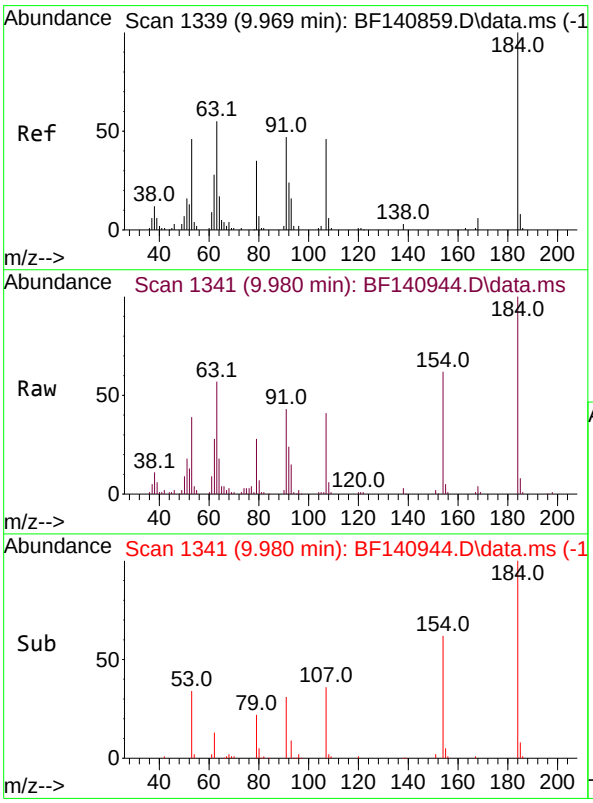
Tgt Ion:138 Resp: 7725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 113.4 | 95.5 | 143.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

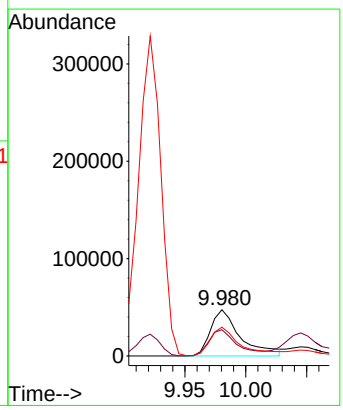
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

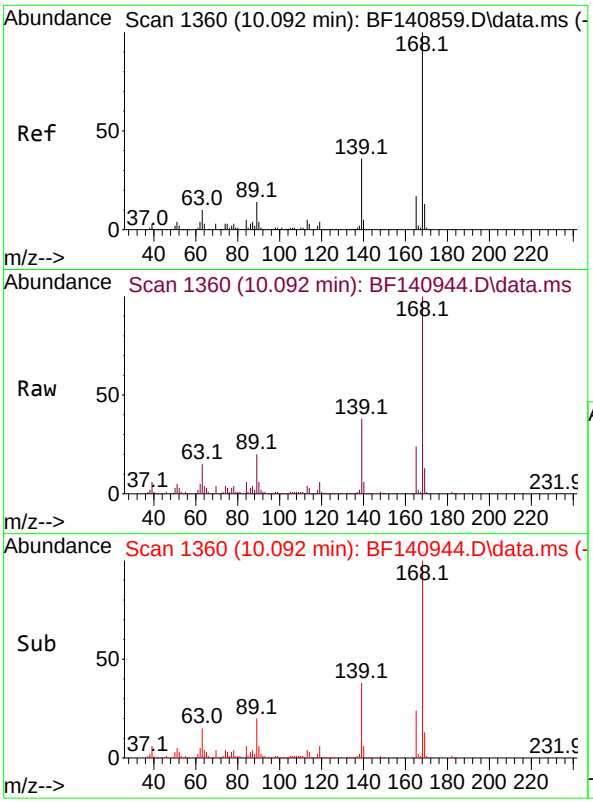



#54
2,4-Dinitrophenol
Concen: 73.697 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:184 Resp: 81264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.8 | 51.6 | 77.4 |
| 154 | 62.1 | 56.1 | 84.1 |

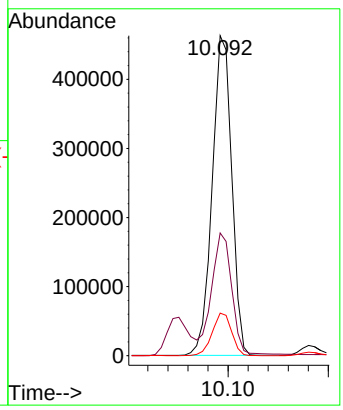





#55
Dibenzofuran
Concen: 49.905 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:168 Resp: 623949

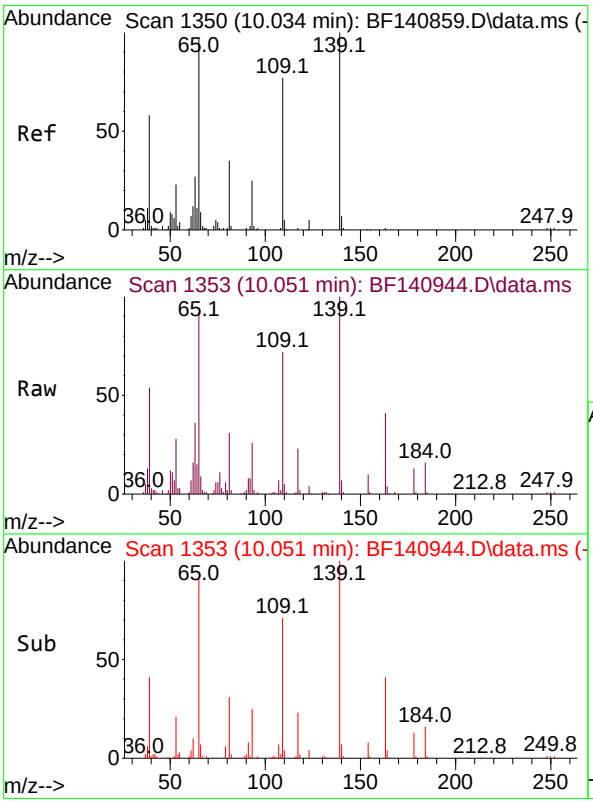
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.4 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

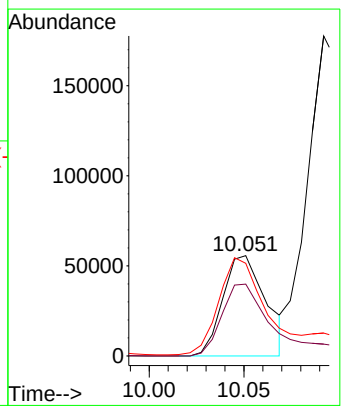
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

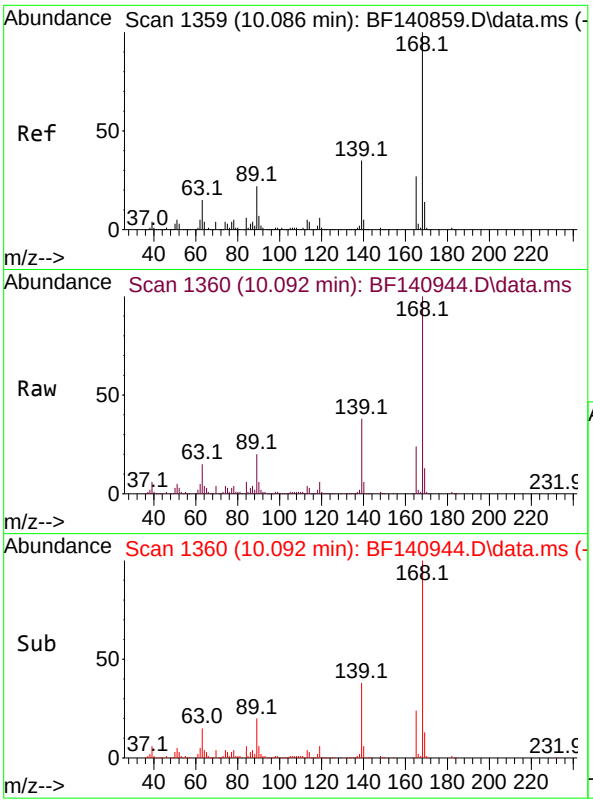



#56
4-Nitrophenol
Concen: 72.611 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:139 Resp: 87740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.7 | 56.7 | 96.7 |
| 65 | 92.4 | 78.1 | 118.1 |

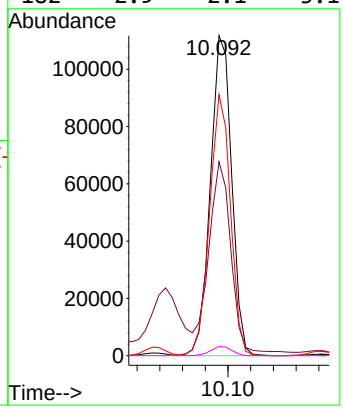





#57
2,4-Dinitrotoluene
Concen: 48.383 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:165 Resp: 14496

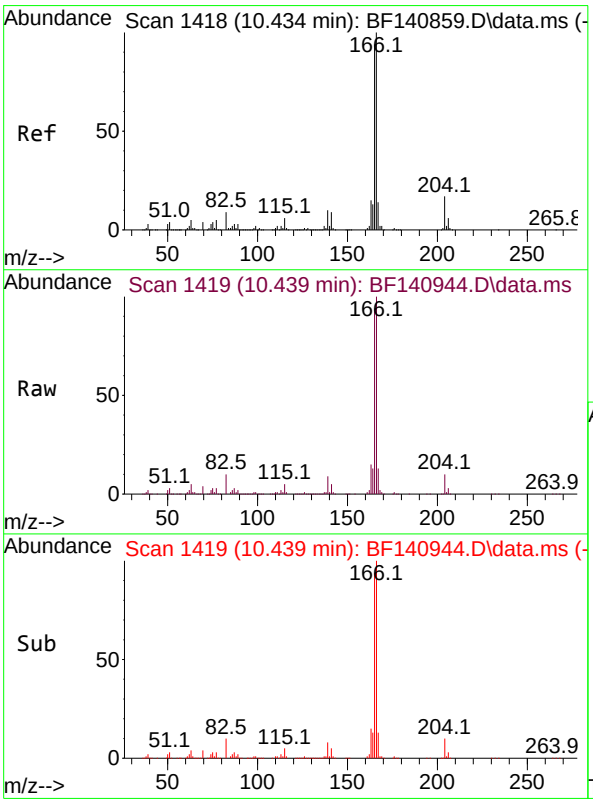
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.6 | 49.3 | 73.9 |
| 89 | 81.6 | 66.2 | 99.4 |
| 182 | 2.9 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

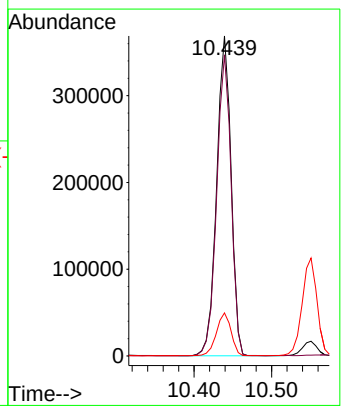
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

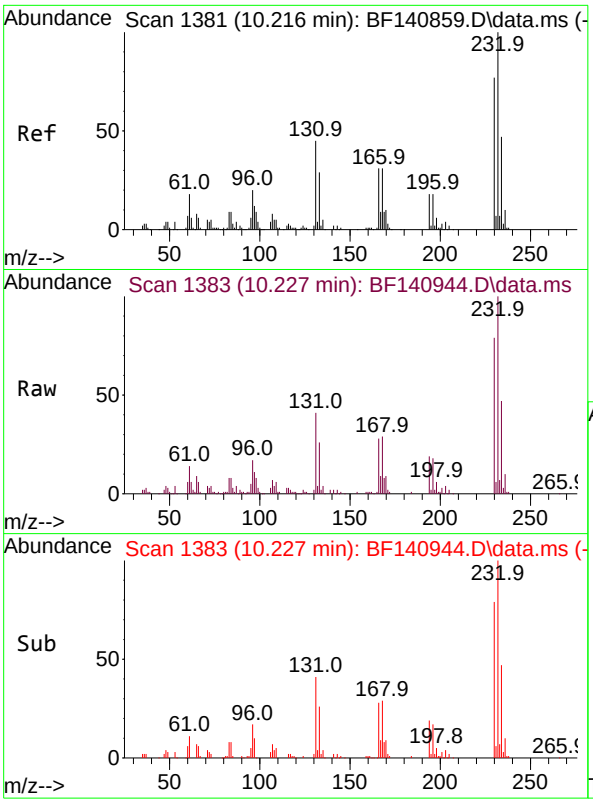



#58
Fluorene
Concen: 46.262 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:166 Resp: 477180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.1 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |

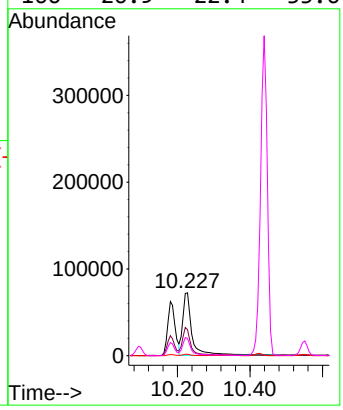





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.557 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

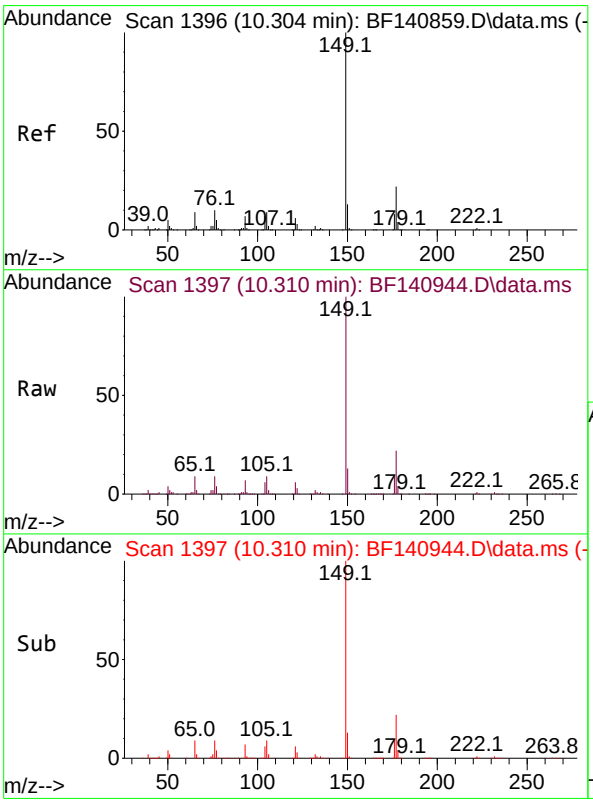
Tgt Ion:232 Resp: 12755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.3 | 35.1 | 52.7 |
| 130 | 1.9 | 1.8 | 2.8 |
| 166 | 26.9 | 22.4 | 33.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

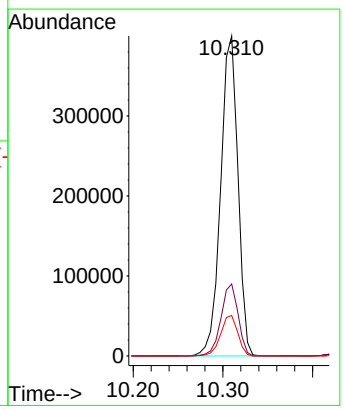
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

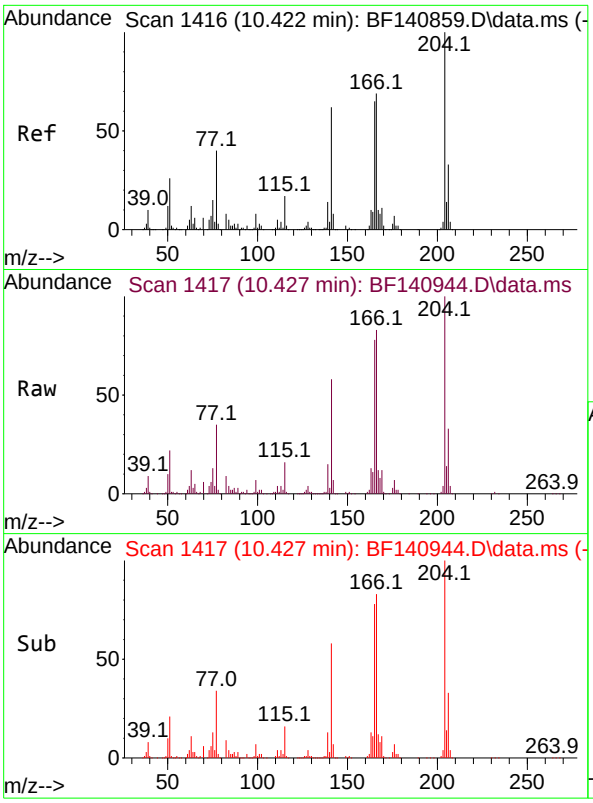



#60
Diethylphthalate
Concen: 51.715 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 534197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |

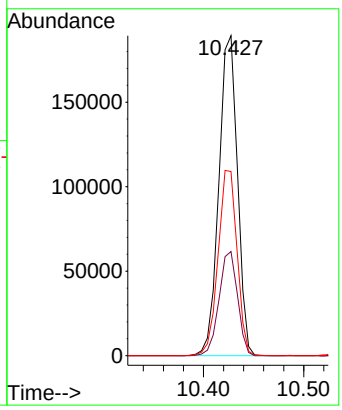





#61
4-Chlorophenyl-phenylether
Concen: 47.046 ng
RT: 10.427 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:204 Resp: 24375

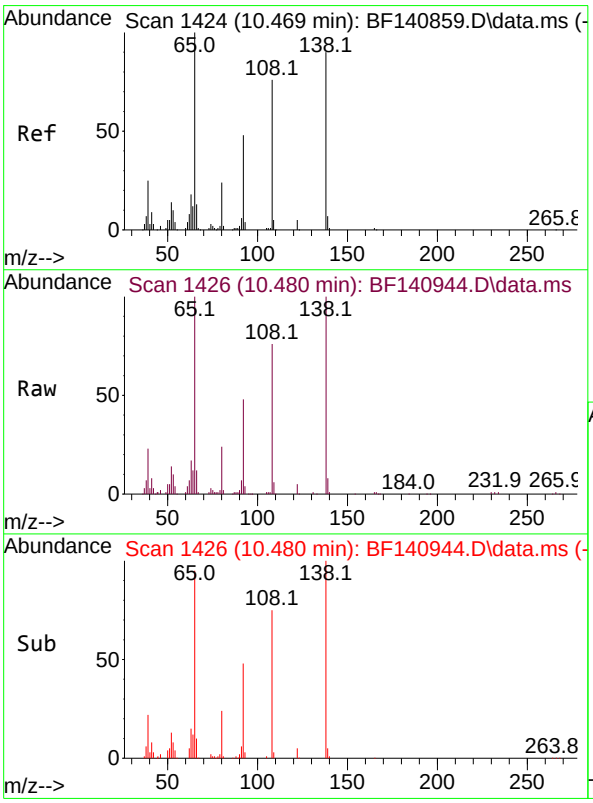
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 57.6 | 50.0 | 75.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

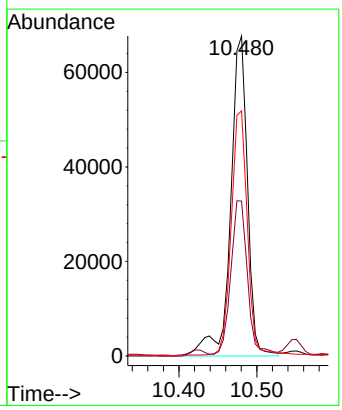
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

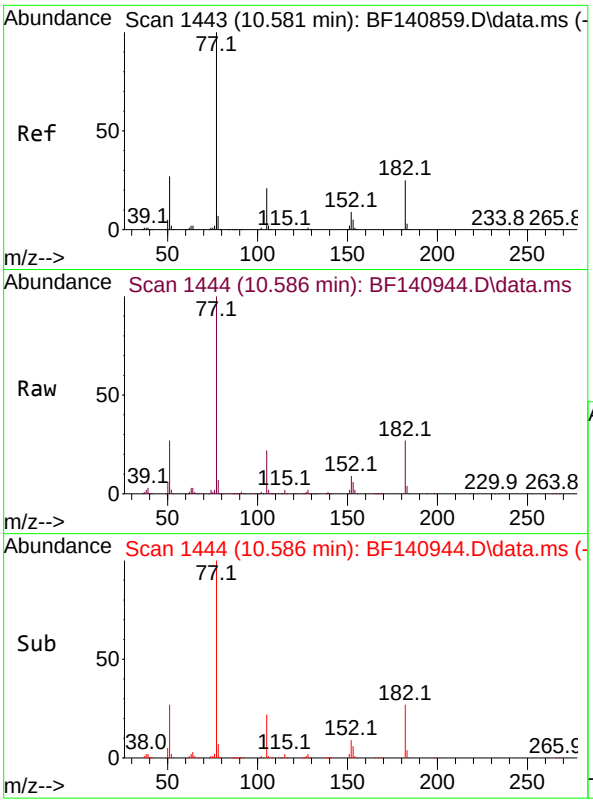



#62
4-Nitroaniline
Concen: 43.167 ng m
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:138 Resp: 101945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.4 | 32.6 | 72.6 |
| 108 | 76.6 | 64.1 | 104.1 |

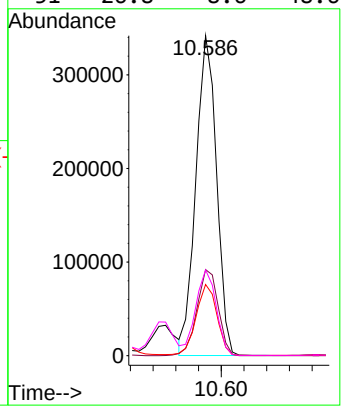





#63
Azobenzene
Concen: 44.427 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 77 Resp: 43143

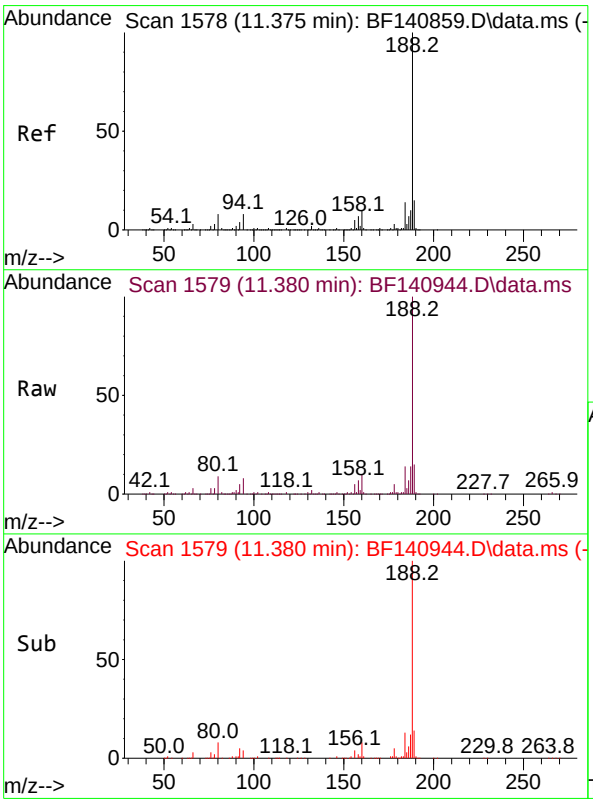
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.9 | 4.5 | 44.5 |
| 105 | 22.2 | 0.9 | 40.9 |
| 51 | 26.8 | 8.6 | 48.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations APPROVED**

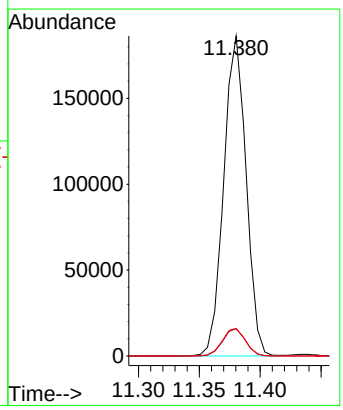
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

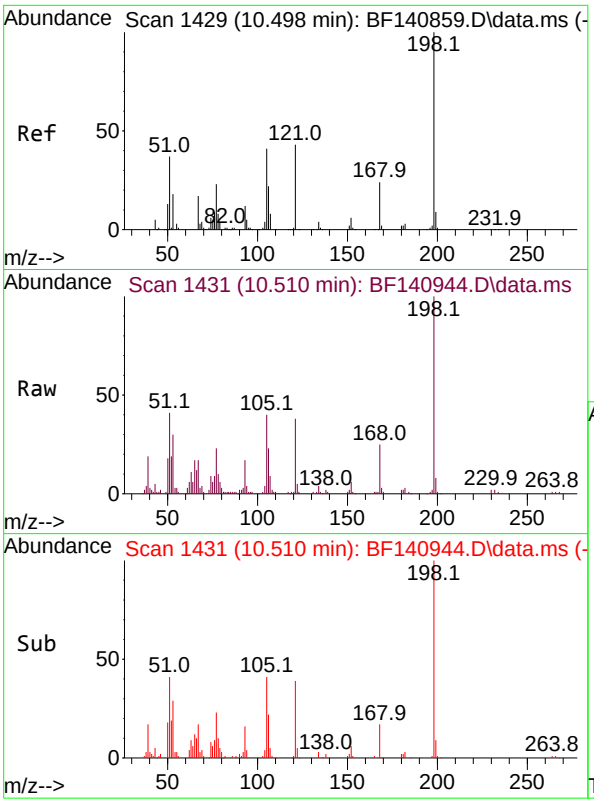



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:188 Resp: 237962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 8.7 | 6.8 | 10.2 |






#65
4,6-Dinitro-2-methylphenol
Concen: 49.484 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

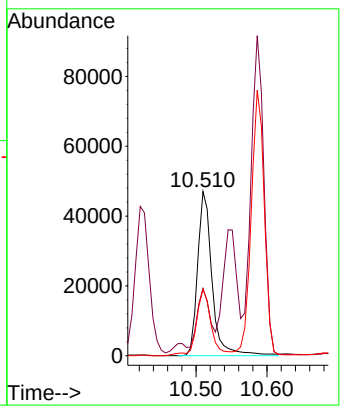
Tgt Ion:198 Resp: 6672

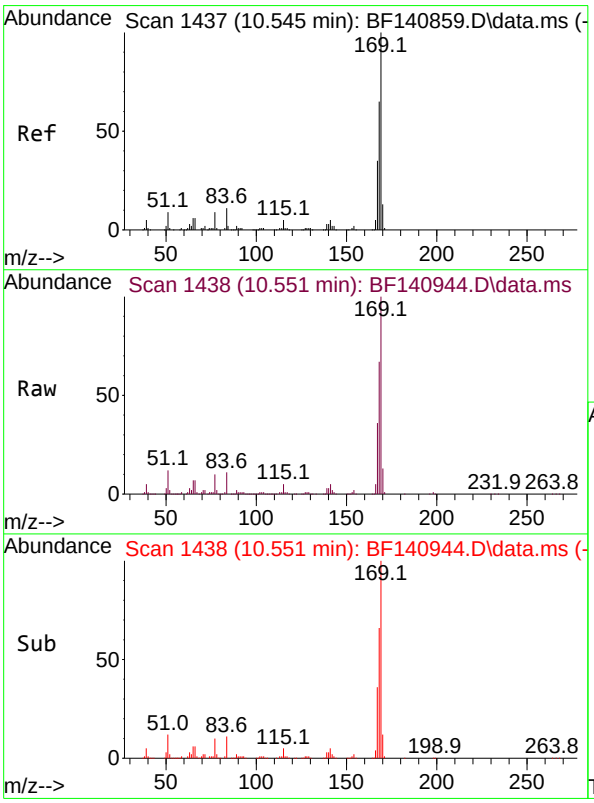
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.9 | 24.4 | 64.4 |
| 105 | 40.4 | 22.1 | 62.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

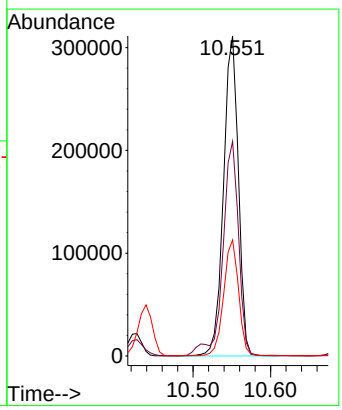


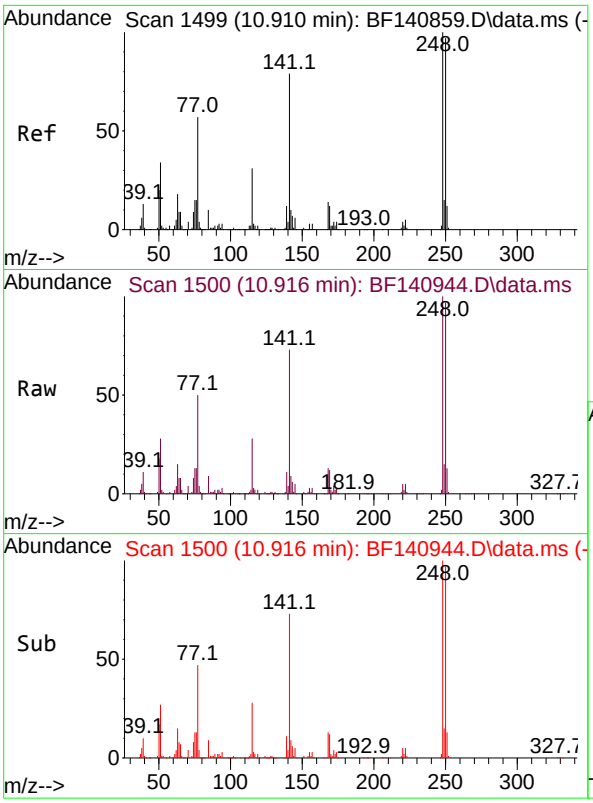




#66
n-Nitrosodiphenylamine
Concen: 56.716 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:169 Resp: 414949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.1 | 53.4 | 80.0 |
| 167 | 36.3 | 28.3 | 42.5 |

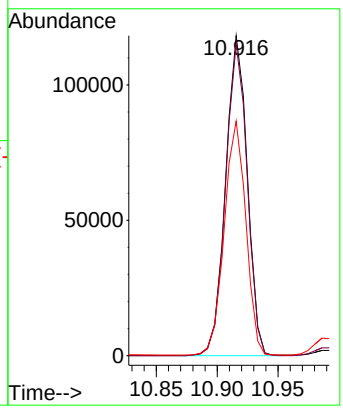





#67
4-Bromophenyl-phenylether
Concen: 55.009 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:248 Resp: 14644

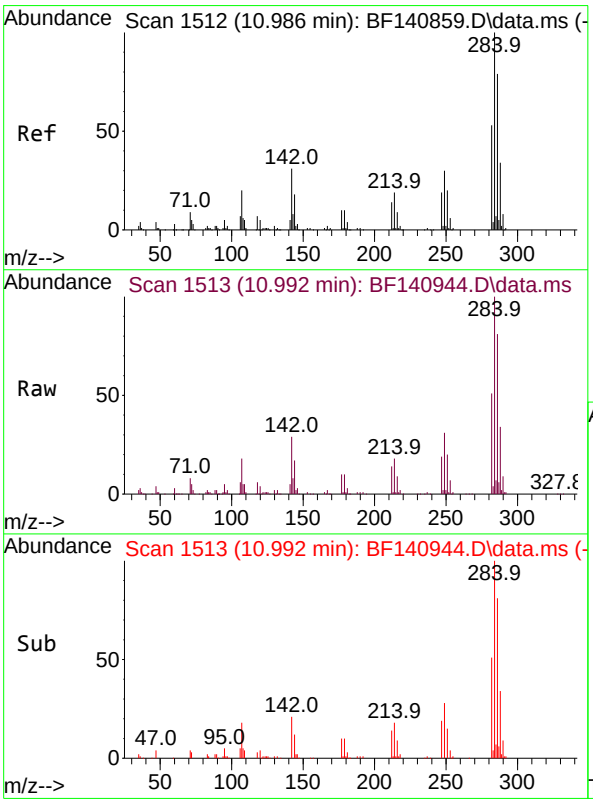
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.4 | 116.2 |
| 141 | 73.3 | 62.9 | 94.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

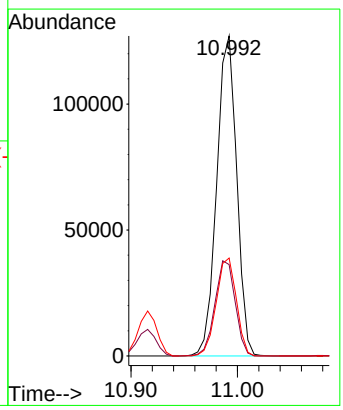
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

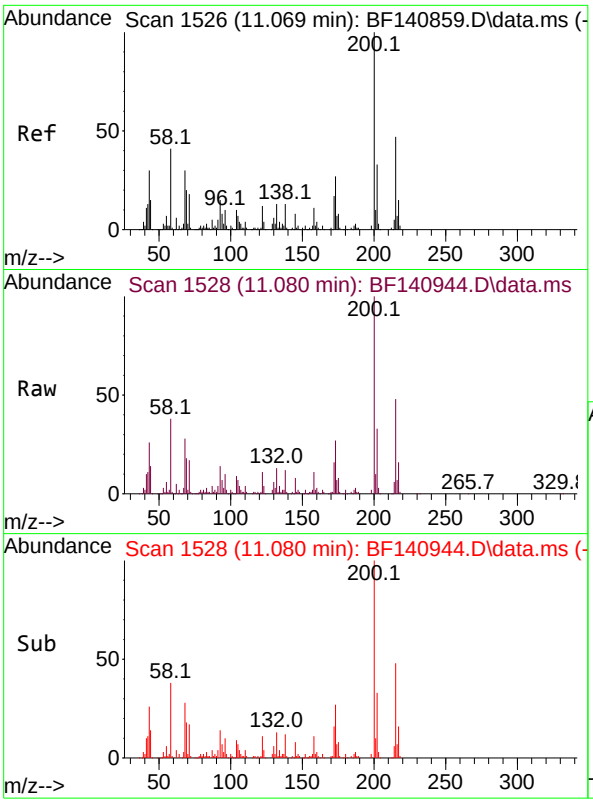



#68
Hexachlorobenzene
Concen: 54.744 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:284 Resp: 165233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.6 | 24.6 | 36.8 |
| 249 | 30.6 | 24.3 | 36.5 |

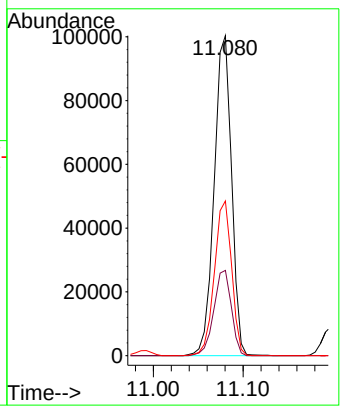





#69
Atrazine
Concen: 65.919 ng
RT: 11.080 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:200 Resp: 13469

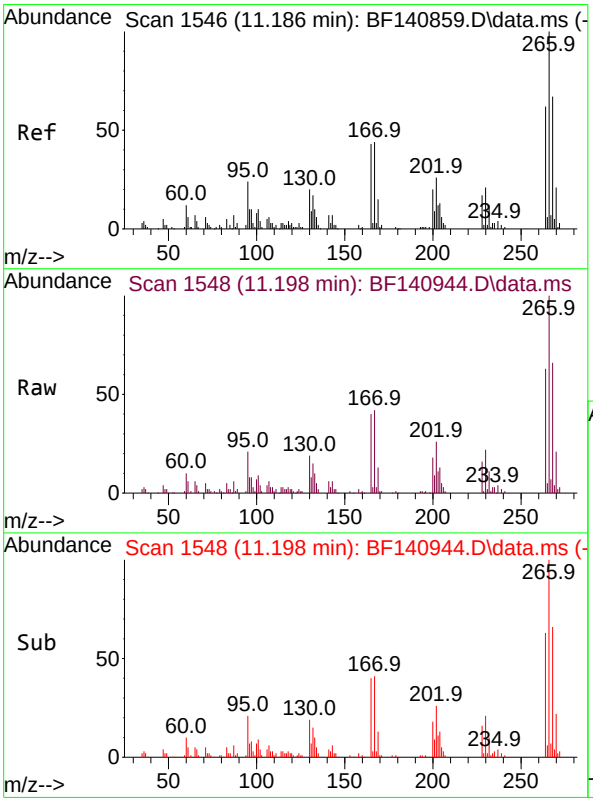
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 6.6 | 46.6 |
| 215 | 48.4 | 26.7 | 66.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

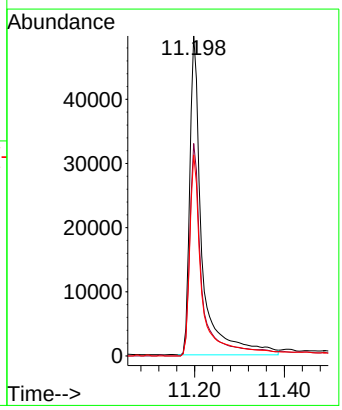
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

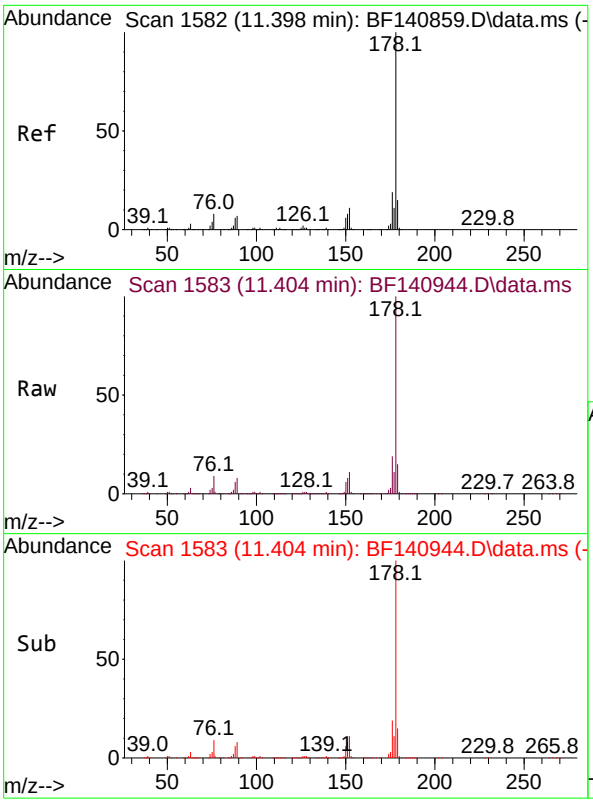



#70
Pentachlorophenol
Concen: 85.812 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:266 Resp: 94695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.4 | 54.0 | 81.0 |
| 264 | 62.9 | 49.4 | 74.2 |

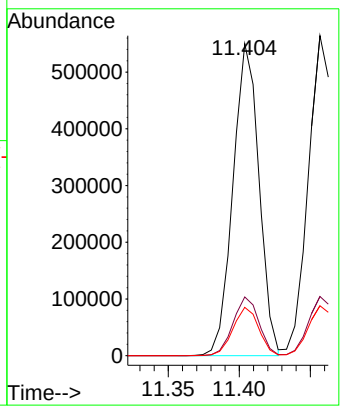





#71
Phenanthrene
Concen: 57.320 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:178 Resp: 70142

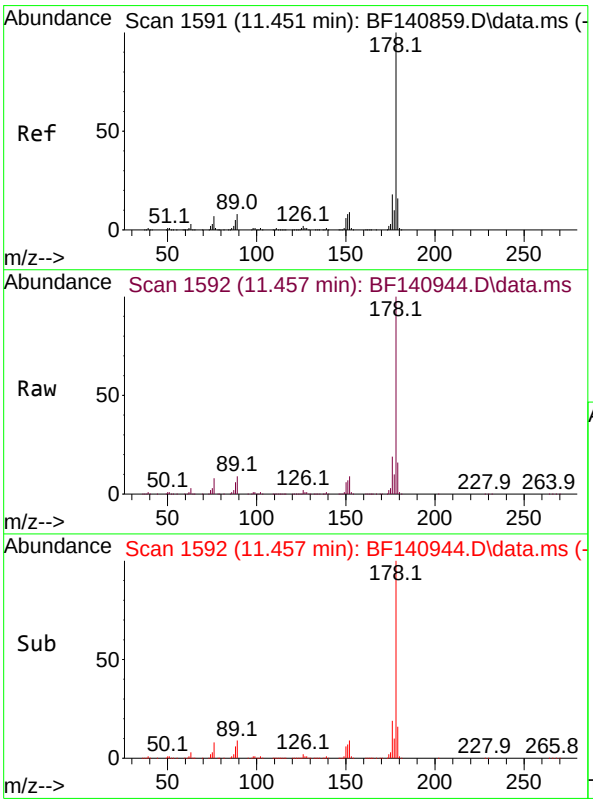
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.5 | 12.1 | 18.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

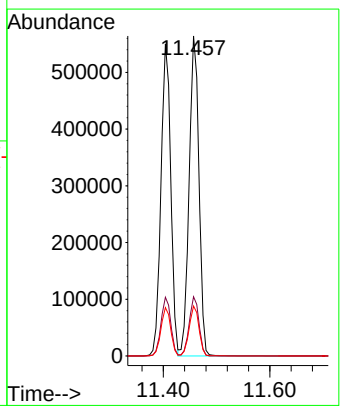
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

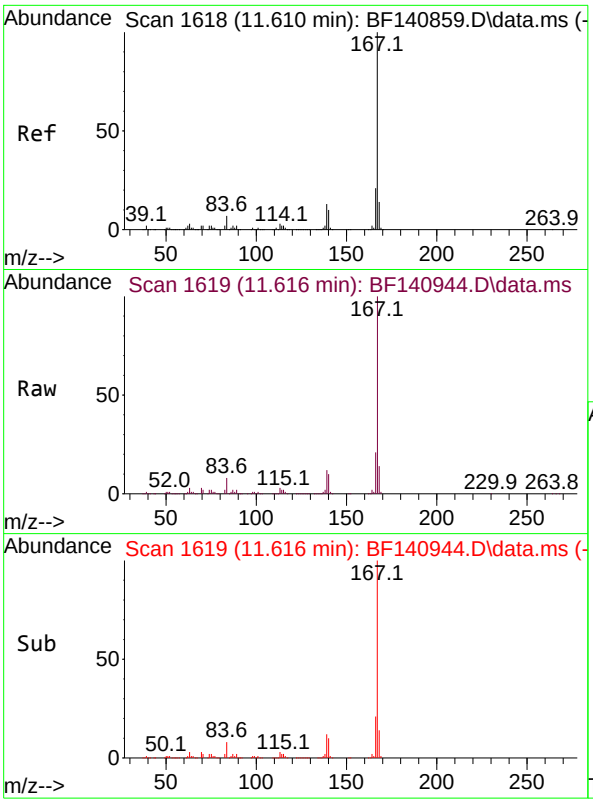



#72
Anthracene
Concen: 60.212 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:178 Resp: 725617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.6 | 22.0 |
| 179 | 15.6 | 12.6 | 18.8 |

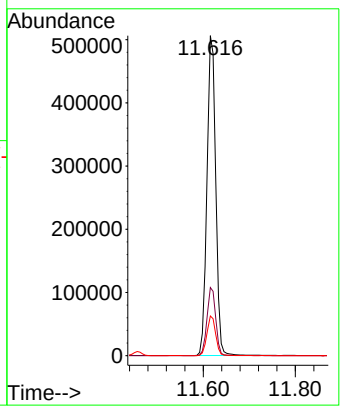





#73
Carbazole
Concen: 57.096 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:167 Resp: 673948

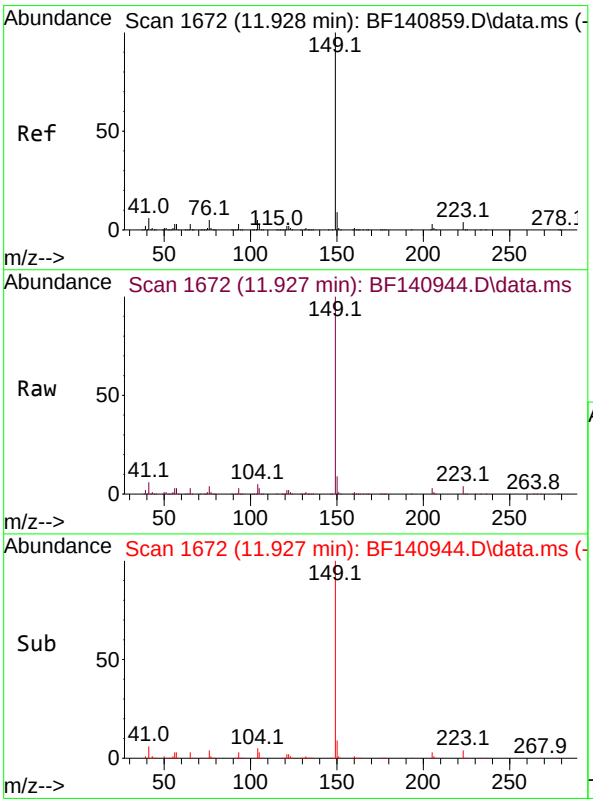
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.4 | 10.2 | 15.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

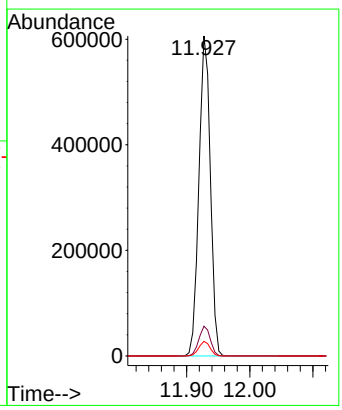
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

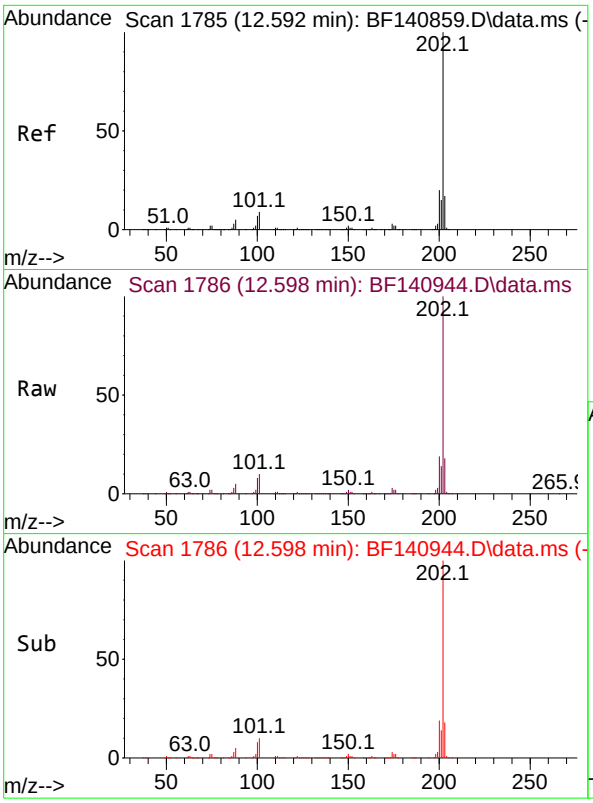



#74
Di-n-butylphthalate
Concen: 55.119 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 763567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |

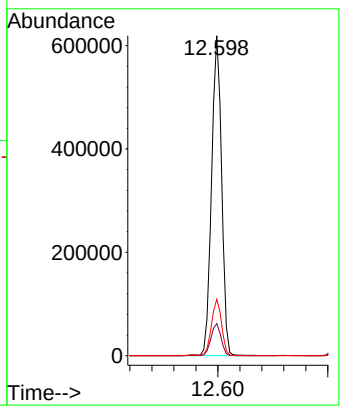





#75
Fluoranthene
Concen: 55.813 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:202 Resp: 78657

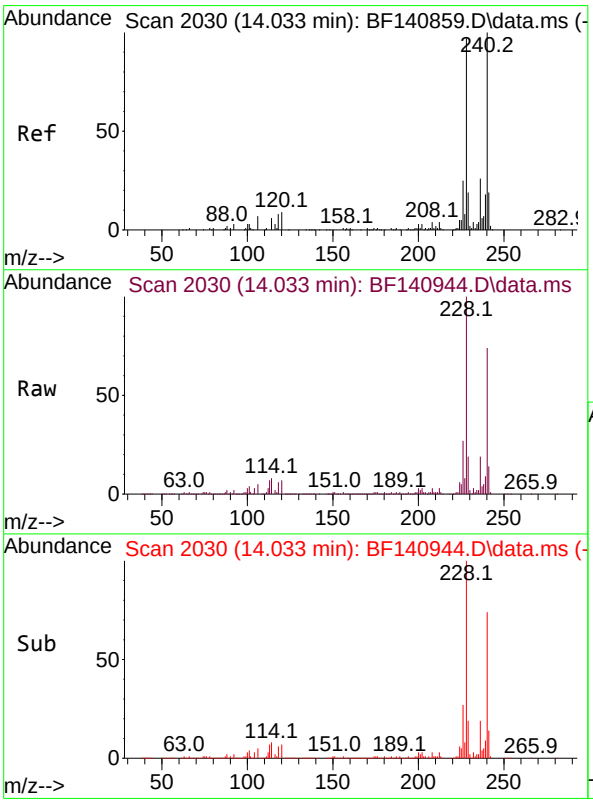
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 29.3 |
| 203 | 17.6 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

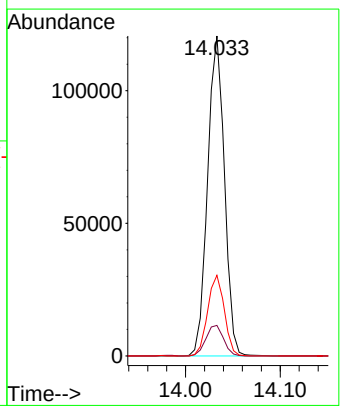
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

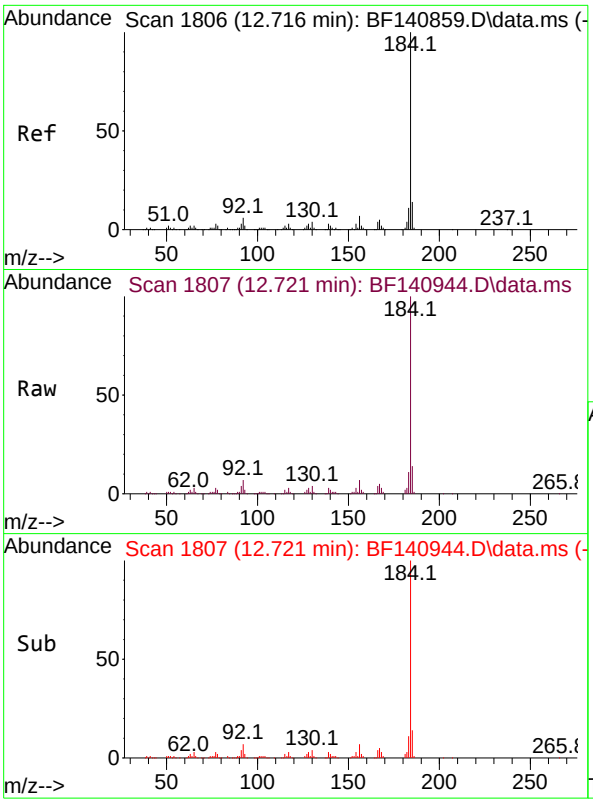



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:240 Resp: 149220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.2 | 20.5 | 30.7 |

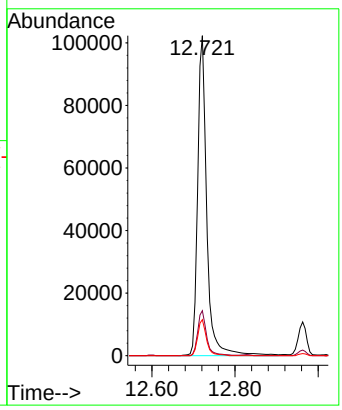





#77
Benzidine
Concen: 51.217 ng
RT: 12.721 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:184 Resp: 15598

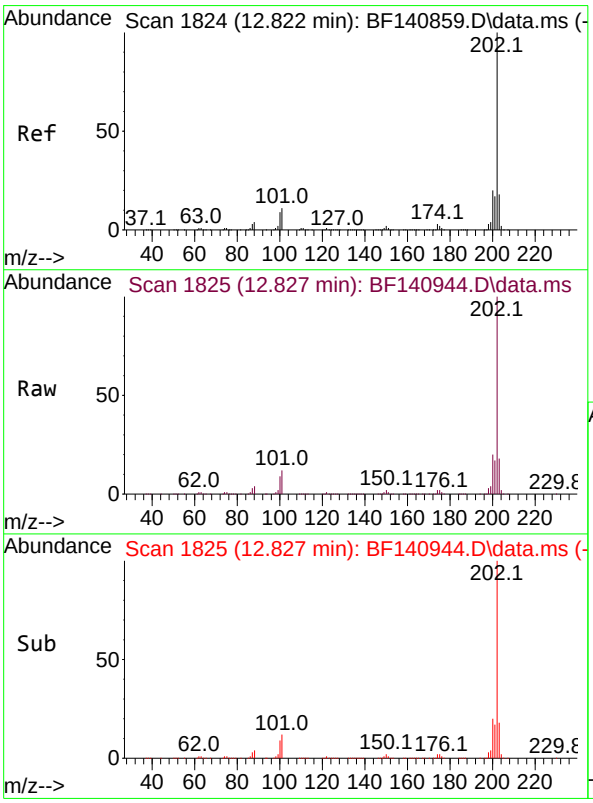
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.1 | 16.7 |
| 183 | 11.2 | 9.0 | 13.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

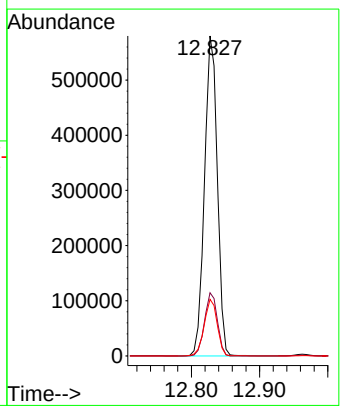
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

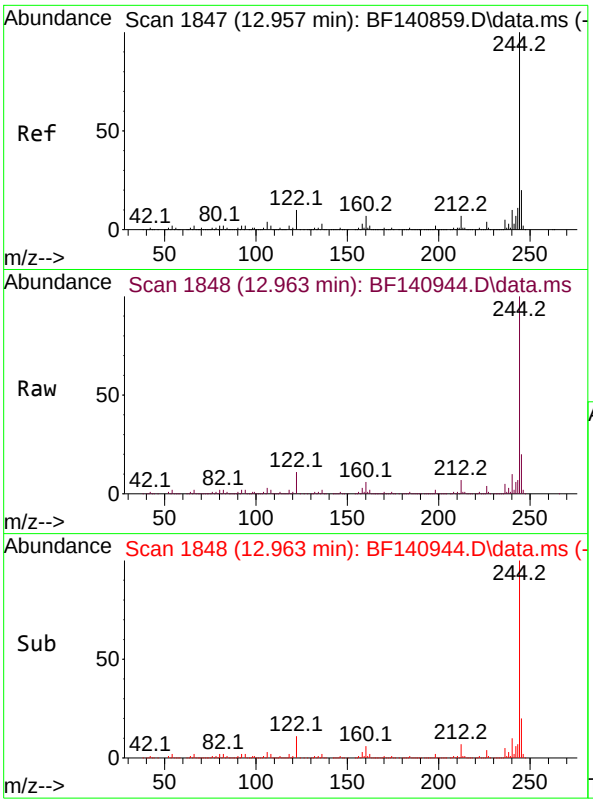



#78
Pyrene
Concen: 57.177 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:202 Resp: 758712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 16.1 | 24.1 |
| 203 | 17.7 | 14.2 | 21.4 |

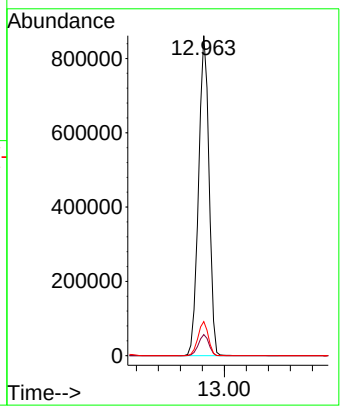





#79
Terphenyl-d14
Concen: 120.524 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:244 Resp: 114052

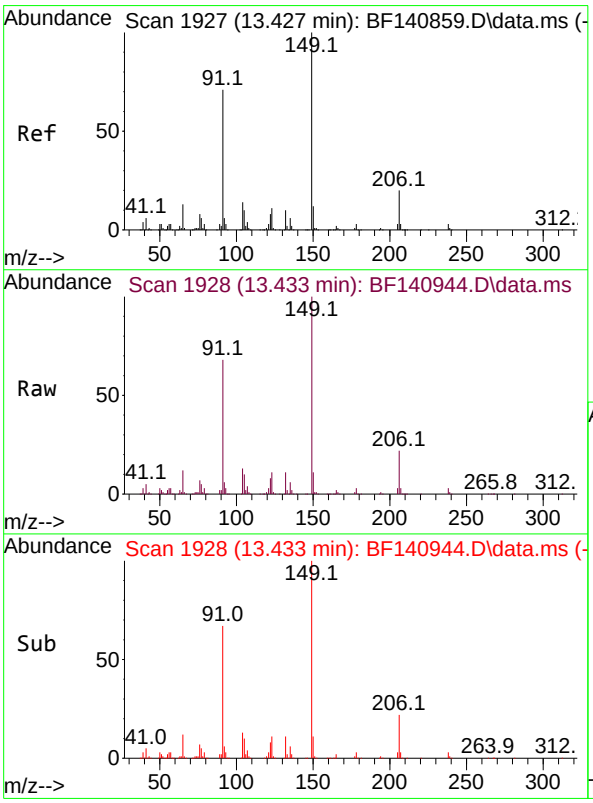
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.6 | 8.4 |
| 122 | 10.6 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

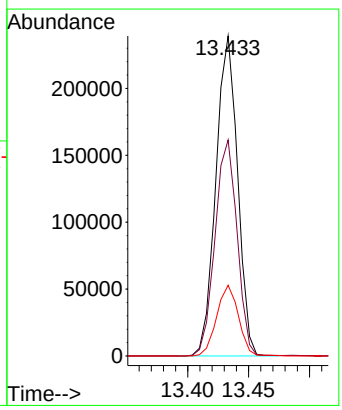
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

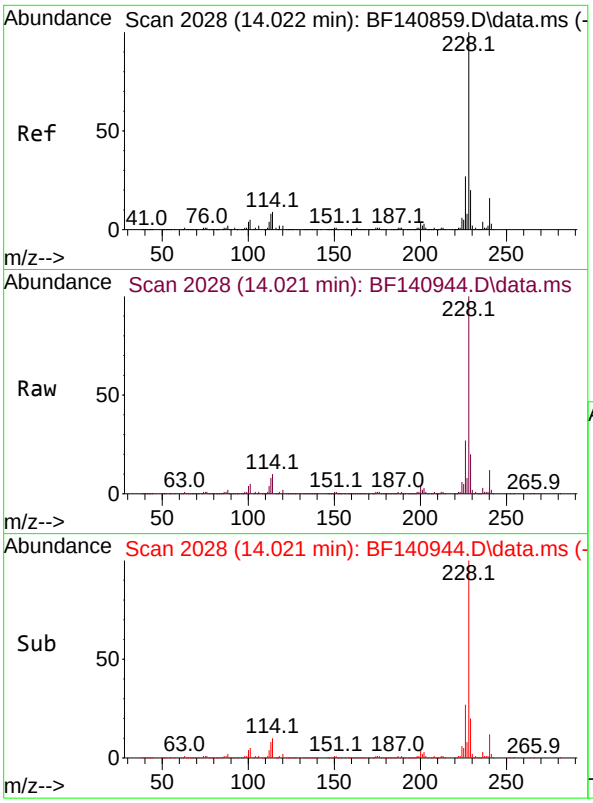



#80
Butylbenzylphthalate
Concen: 60.922 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 297455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.5 | 56.7 | 85.1 |
| 206 | 22.1 | 16.4 | 24.6 |

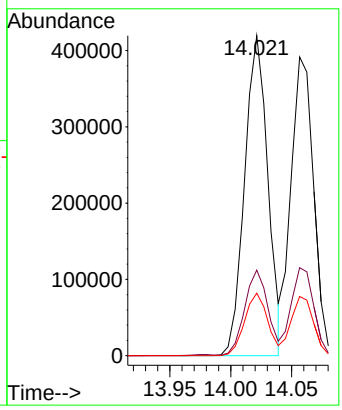





#81
Benzo(a)anthracene
Concen: 52.753 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

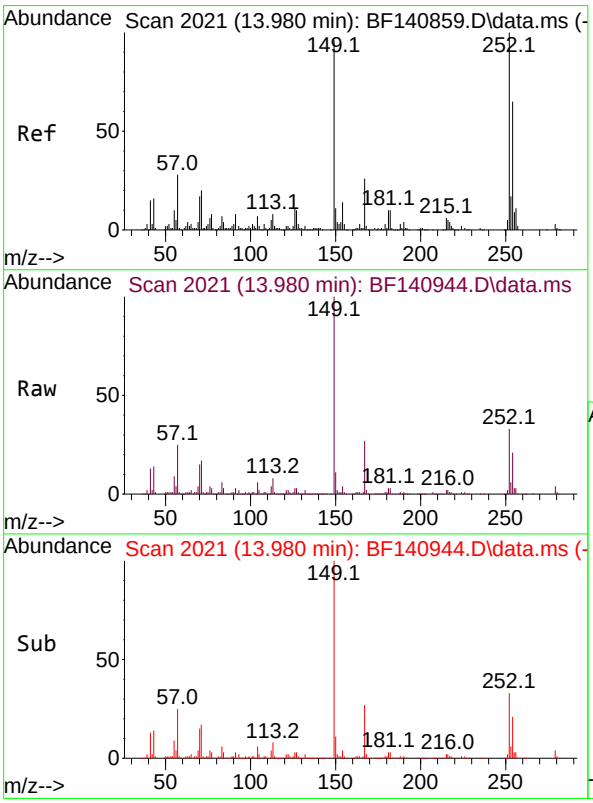
Tgt Ion:228 Resp: 55790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

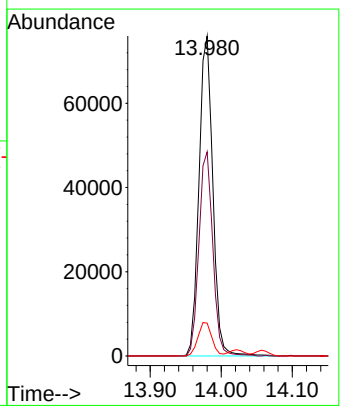
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

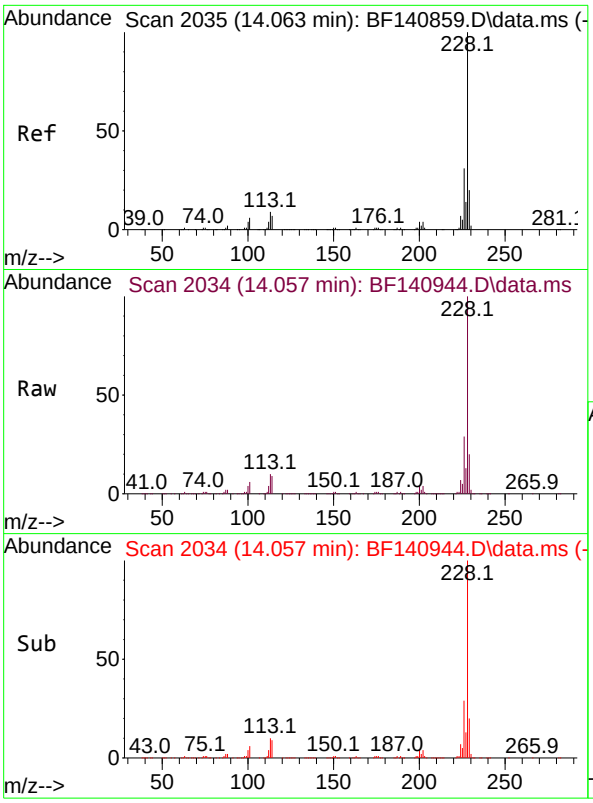



#82
3,3'-Dichlorobenzidine
Concen: 32.279 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 102996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 52.3 | 78.5 |
| 126 | 10.3 | 8.4 | 12.6 |

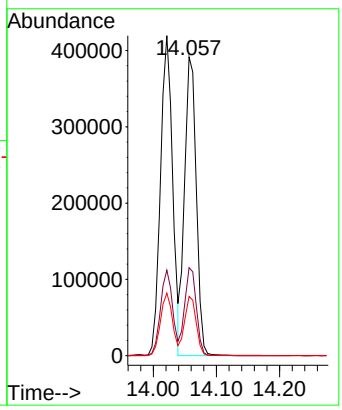





#83
Chrysene
Concen: 52.875 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:228 Resp: 50849

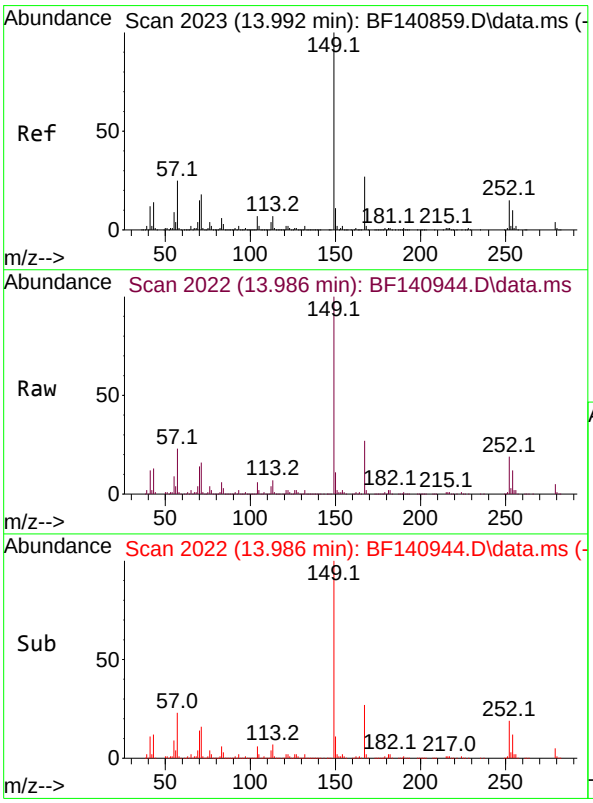
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

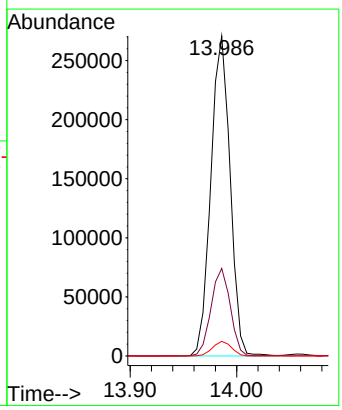
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

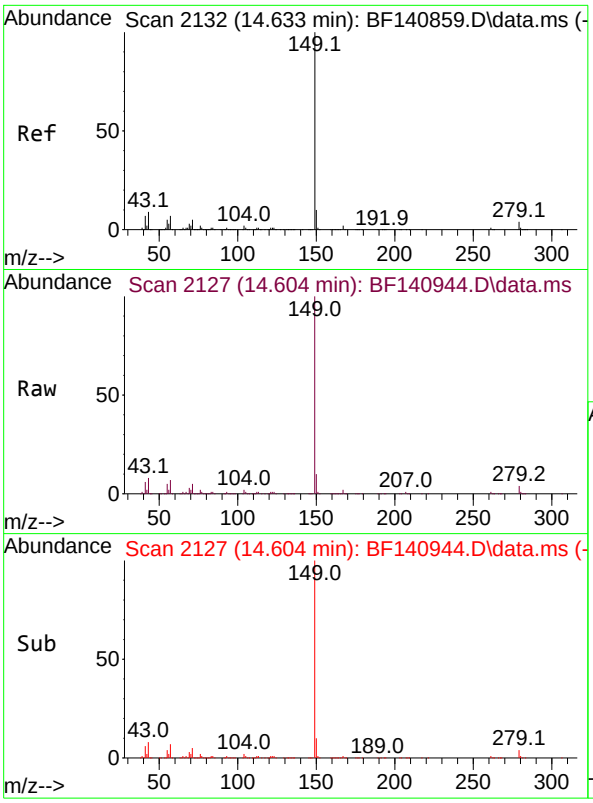



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.941 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 339592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.8 | 32.8 |
| 279 | 4.6 | 3.5 | 5.3 |

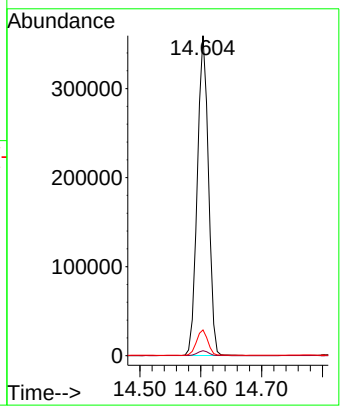





#85
Di-n-octyl phthalate
Concen: 47.866 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 45590

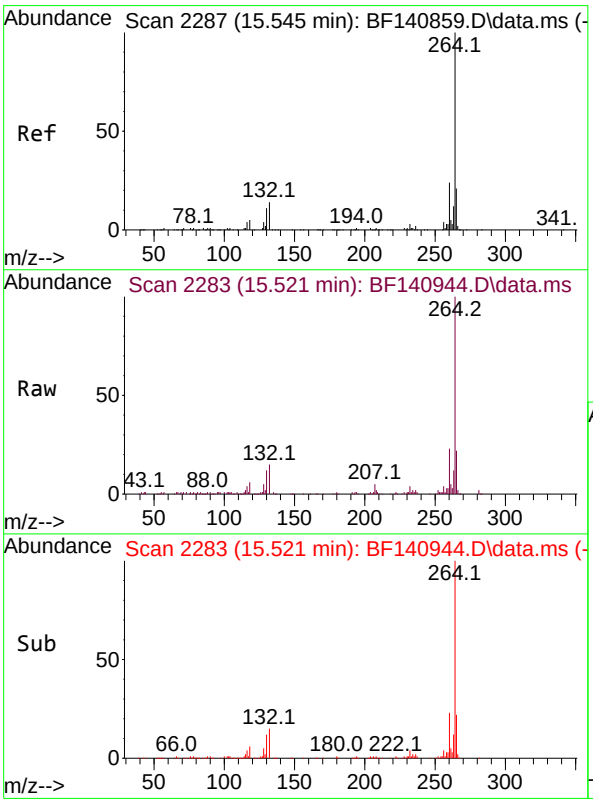
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations APPROVED**

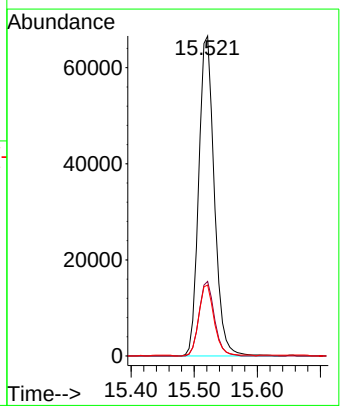
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

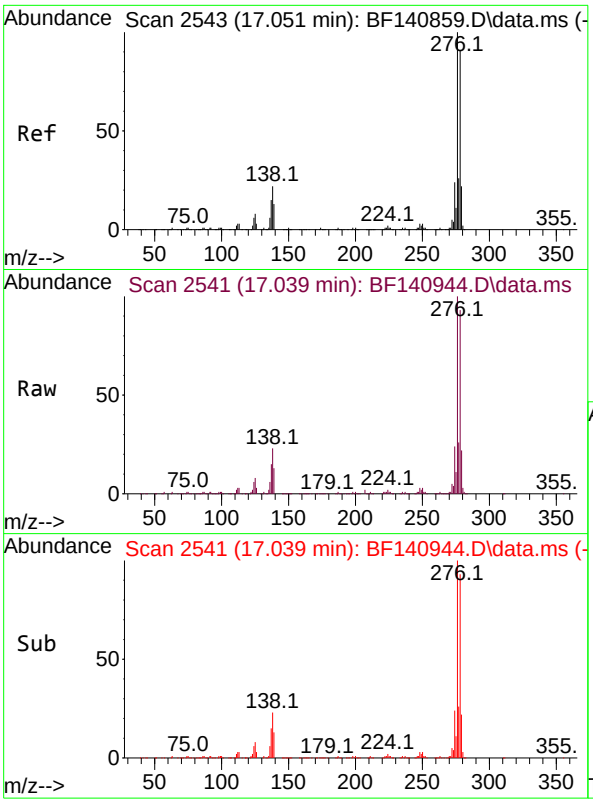



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:264 Resp: 113763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.1 | 28.7 |
| 265 | 22.2 | 17.0 | 25.4 |

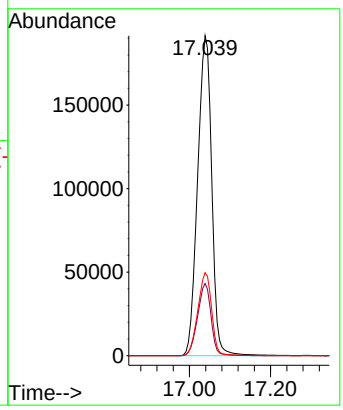





#87
Indeno(1,2,3-cd)pyrene
Concen: 65.266 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:276 Resp: 46333

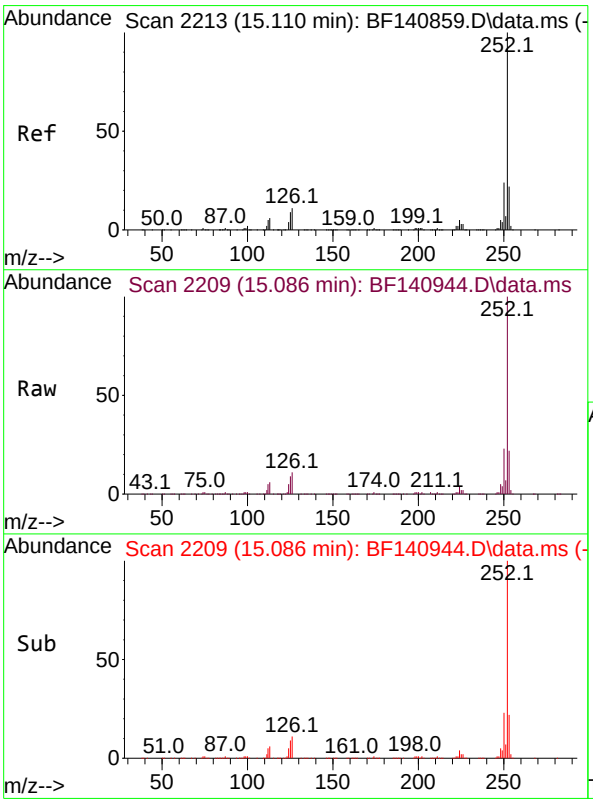
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.5 | 16.9 | 25.3 |
| 277 | 25.4 | 20.2 | 30.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

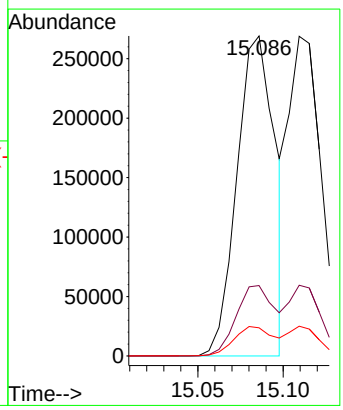
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

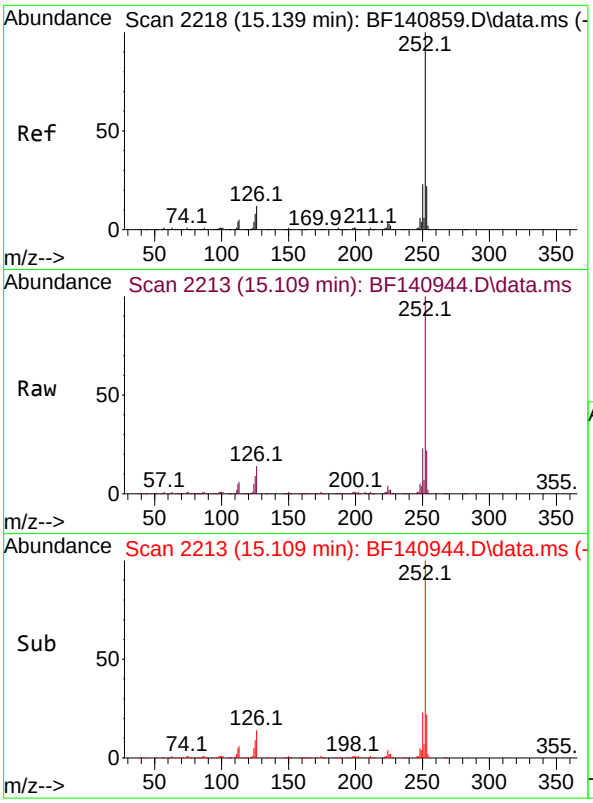



#88
Benzo(b)fluoranthene
Concen: 52.828 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 417172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 8.8 | 7.0 | 10.4 |

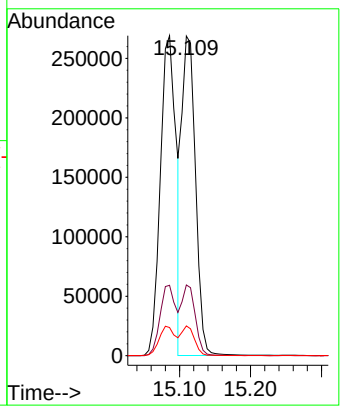





#89
Benzo(k)fluoranthene
Concen: 53.216 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 36048

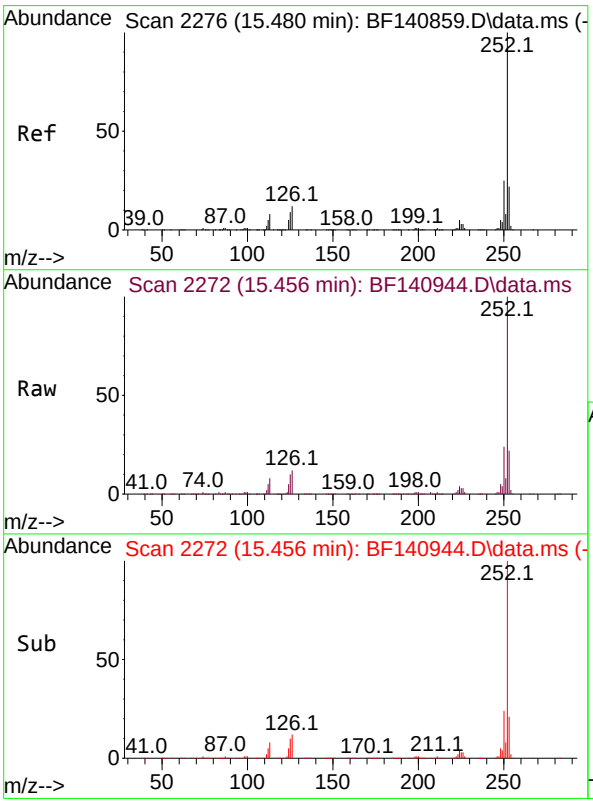
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.3 | 6.8 | 10.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

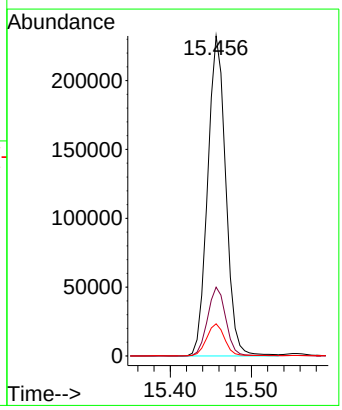
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

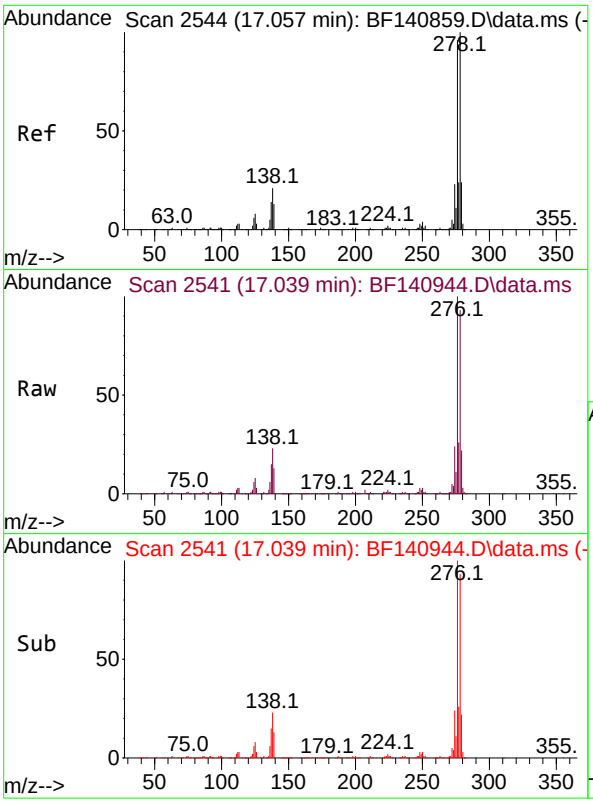



#90
Benzo(a)pyrene
Concen: 58.181 ng
RT: 15.456 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 359761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 10.0 | 7.5 | 11.3 |

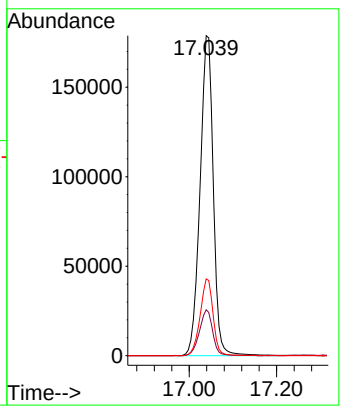





#91
Dibenzo(a,h)anthracene
Concen: 64.223 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:278 Resp: 37771

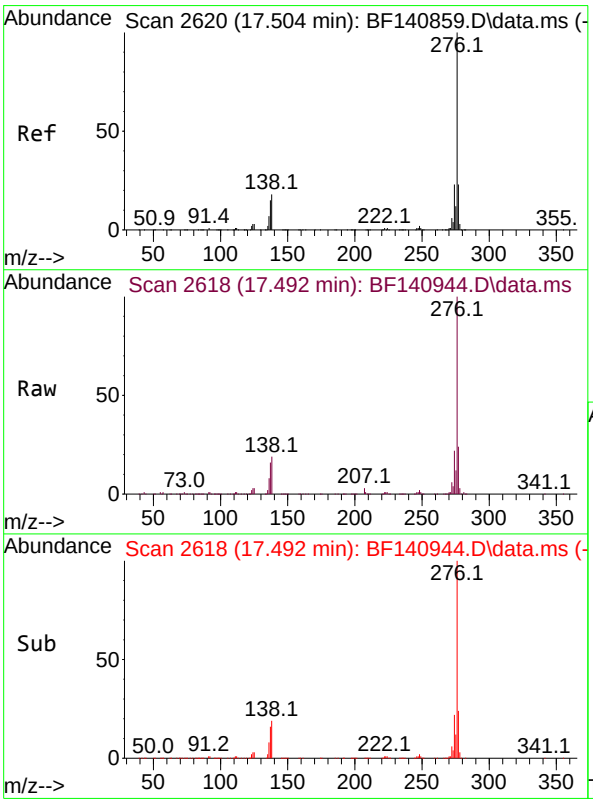
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.4 | 10.6 | 16.0 |
| 279 | 24.0 | 19.2 | 28.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

**Manual Integrations**
**APPROVED**

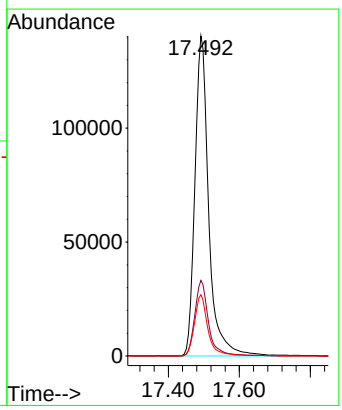
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024




#92
Benzo(g,h,i)perylene
Concen: 63.386 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:276 Resp: 379421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.7 | 28.1 |
| 138 | 19.2 | 14.2 | 21.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/12/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | OU4-VSL-11-121224MS | SDG No.: | P5316 |
| Lab Sample ID: | P5306-09MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.6 |
| Sample Wt/Vol: | 30.1 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140948.D | 1 | 12/18/24 08:56 | 12/20/24 14:10 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 108-95-2 | Phenol | 2000 | | 88.3 | 140 | 180 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1900 | | 85.8 | 140 | 180 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 2000 | | 85.0 | 290 | 350 | ug/Kg |
| 91-20-3 | Naphthalene | 1800 | | 88.0 | 140 | 180 | ug/Kg |
| 208-96-8 | Acenaphthylene | 2000 | | 92.1 | 140 | 180 | ug/Kg |
| 83-32-9 | Acenaphthene | 1900 | | 86.4 | 140 | 180 | ug/Kg |
| 86-73-7 | Fluorene | 1800 | | 91.0 | 140 | 180 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2800 | | 82.3 | 290 | 350 | ug/Kg |
| 120-12-7 | Anthracene | 1900 | | 89.9 | 140 | 180 | ug/Kg |
| 206-44-0 | Fluoranthene | 1700 | | 87.0 | 140 | 180 | ug/Kg |
| 129-00-0 | Pyrene | 2000 | | 88.4 | 140 | 180 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1900 | | 85.9 | 140 | 180 | ug/Kg |
| 218-01-9 | Chrysene | 1800 | | 84.7 | 140 | 180 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1700 | | 86.4 | 140 | 180 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 2000 | | 88.0 | 140 | 180 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2000 | | 99.0 | 140 | 180 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 2400 | | 83.2 | 140 | 180 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 2300 | | 86.5 | 140 | 180 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 2200 | | 85.3 | 140 | 180 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 131 | | 35 - 115 | | 88% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 134 | | 34 - 127 | | 90% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 89.0 | | 37 - 122 | | 89% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 84.0 | | 44 - 115 | | 84% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 122 | | 39 - 132 | | 82% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 91.0 | | 54 - 127 | | 91% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 55400 | 6.851 | | | | |
| 1146-65-2 | Naphthalene-d8 | 209000 | 8.128 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/12/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | OU4-VSL-11-121224MS | SDG No.: | P5316 |
| Lab Sample ID: | P5306-09MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.6 |
| Sample Wt/Vol: | 30.1 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140948.D | 1 | 12/18/24 08:56 | 12/20/24 14:10 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 15067-26-2 | Acenaphthene-d10 | 116000 | 9.886 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 219000 | 11.38 | | | | |
| 1719-03-5 | Chrysene-d12 | 133000 | 14.033 | | | | |
| 1520-96-3 | Perylene-d12 | 114000 | 15.521 | | | | |

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\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 55385 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 209218 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 115521 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 219277 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 133308 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 114231 | 20.000 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 442109 | 131.406 | ng | | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 599050 | 134.430 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 372228 | 89.012 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 167201 | 122.376 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 705412 | 83.953 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 769721 | 91.048 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 57898 | 39.952 | ng | | 98 |
| 3) Pyridine | 3.487 | 79 | 147343 | 43.903 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.440 | 42 | 73891 | 43.674 | ng | | 95 |
| 6) Aniline | 6.516 | 93 | 152345 | 39.984 | ng | # | 72 |
| 8) 2-Chlorophenol | 6.645 | 128 | 202633 | 55.230 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 38178 | 15.462 | ng | | 92 |
| 10) Phenol | 6.516 | 94 | 259118 | 56.104 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 180043 | 52.272 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 210487 | 50.348 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 216818 | 51.092 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 203761 | 50.890 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 175492 | 55.078 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 208259 | 51.327 | ng | | 91 |
| 17) 2-Methylphenol | 7.122 | 107 | 160183 | 54.685 | ng | | 99 |
| 18) Hexachloroethane | 7.351 | 117 | 77377 | 48.978 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 140269 | 52.475 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 218873 | 56.350 | ng | # | 80 |
| 22) Acetophenone | 7.263 | 105 | 281478 | 53.782 | ng | | 94 |
| 24) Nitrobenzene | 7.440 | 77 | 213867 | 49.921 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 358474 | 51.161 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 110125 | 55.813 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 151216 | 65.624 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 221616 | 50.641 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 170278 | 53.525 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 174689 | 47.901 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 576356 | 50.150 | ng | | 100 |
| 32) Benzoic acid | 7.945 | 122 | 79916 | 36.568 | ng | | 95 |
| 33) 4-Chloroaniline | 8.210 | 127 | 86711 | 22.717 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 112396 | 45.808 | ng | | 99 |
| 35) Caprolactam | 8.592 | 113 | 52938m | 55.895 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 176282 | 49.233 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 369738 | 48.635 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 347475 | 46.215 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 184825 | 52.053 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 34644 | 40.992 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 110805 | 50.964 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 117901 | 49.337 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 472666 | 51.455 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 352165 | 50.113 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 109079 | 51.395 | ng | 94 |
| 49) Acenaphthylene | 9.751 | 152 | 576620 | 55.834 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 409034 | 50.222 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 92478 | 49.668 | ng | 94 |
| 52) Acenaphthene | 9.922 | 154 | 351200 | 53.237 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 55538 | 30.057 | ng | 94 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 87671 | 95.155 | ng | 90 |
| 55) Dibenzofuran | 10.092 | 168 | 537457 | 52.577 | ng | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 83327 | 83.625 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 127795 | 52.166 | ng | 98 |
| 58) Fluorene | 10.439 | 166 | 428757 | 50.841 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 101786 | 52.272 | ng | 92 |
| 60) Diethylphthalate | 10.304 | 149 | 405299 | 47.990 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 212840 | 50.243 | ng | 96 |
| 62) 4-Nitroaniline | 10.475 | 138 | 98375m | 50.949 | ng | |
| 63) Azobenzene | 10.586 | 77 | 429196 | 54.056 | ng | 94 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 70374 | 56.637 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 372378 | 55.234 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 124883 | 50.908 | ng | 97 |
| 68) Hexachlorobenzene | 10.986 | 284 | 138231 | 49.700 | ng | 98 |
| 69) Atrazine | 11.075 | 200 | 116856 | 62.062 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 78972 | 77.662 | ng | 98 |
| 71) Phenanthrene | 11.404 | 178 | 628319 | 55.721 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 597017 | 53.762 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 569460 | 52.355 | ng | 99 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 638255 | 49.999 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 637105 | 49.060 | ng | 100 |
| 77) Benzidine | 12.722 | 184 | 125211 | 46.021 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 665883 | 56.171 | ng | 99 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 231762 | 53.133 | ng | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 492886 | 52.168 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 81414 | 28.561 | ng | 97 |
| 83) Chrysene | 14.057 | 228 | 441907 | 51.436 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 267856 | 47.624 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 365090 | 42.906 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.039 | 276 | 474317 | 66.539 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 381086 | 48.060 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.116 | 252 | 373879 | 54.968 | ng | 100 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 355872 | 57.316 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 390092 | 66.055 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.498 | 276 | 373367 | 62.119 | ng | 99 |

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

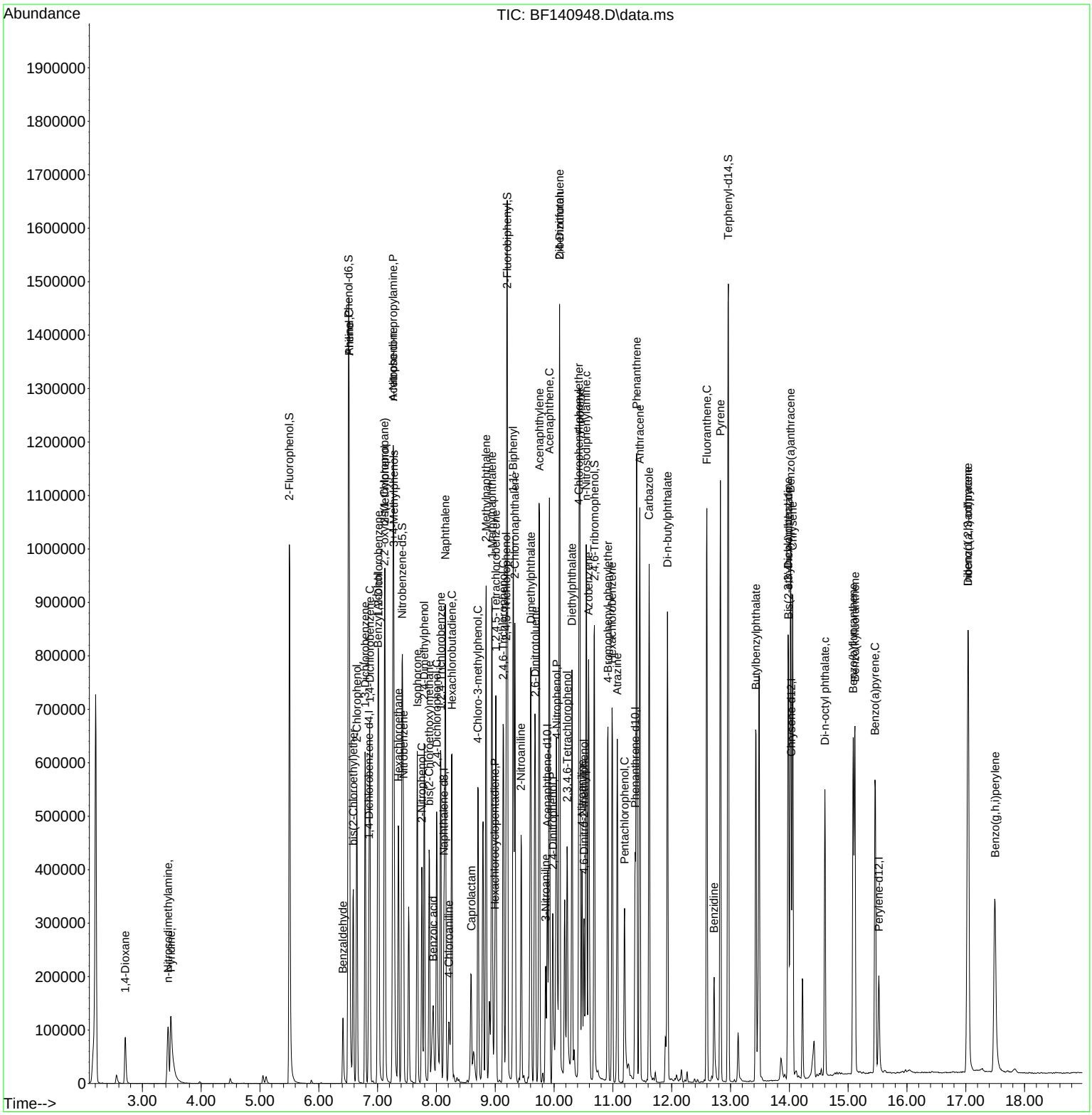
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Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

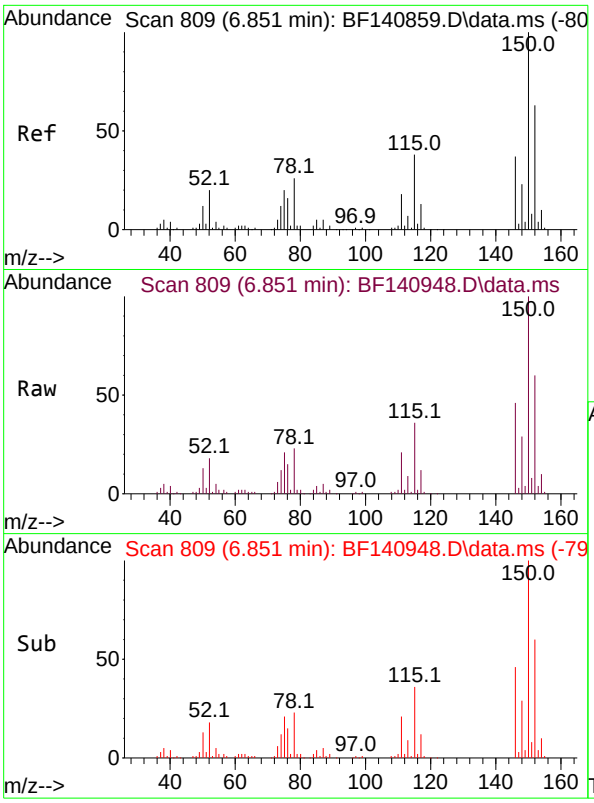
Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

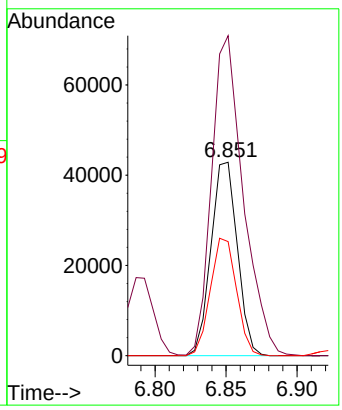





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:152 Resp: 5538

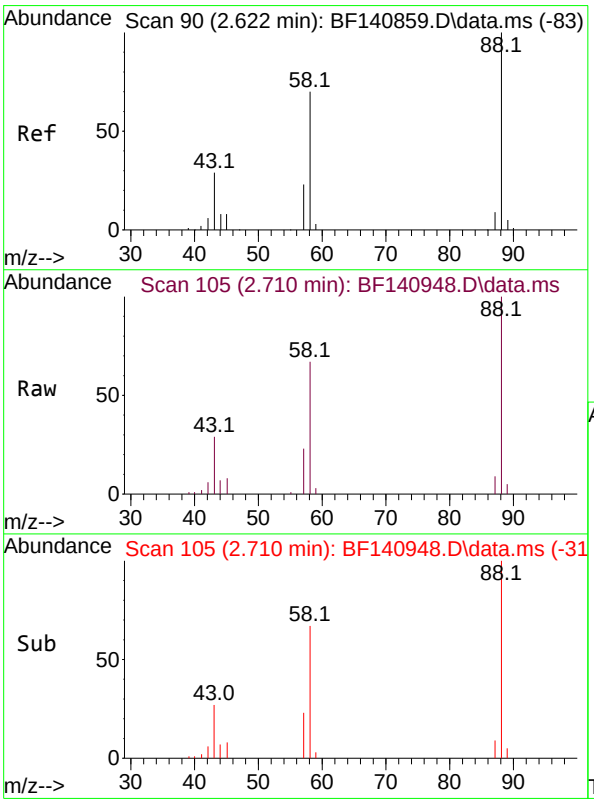
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 165.5 | 127.9 | 191.9 |
| 115 | 59.0 | 48.0 | 72.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

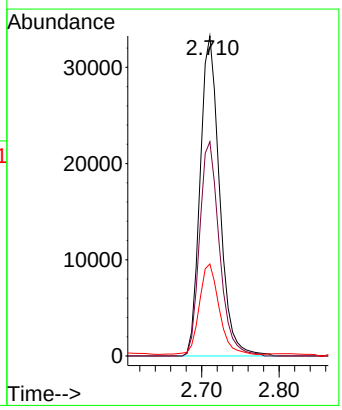
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

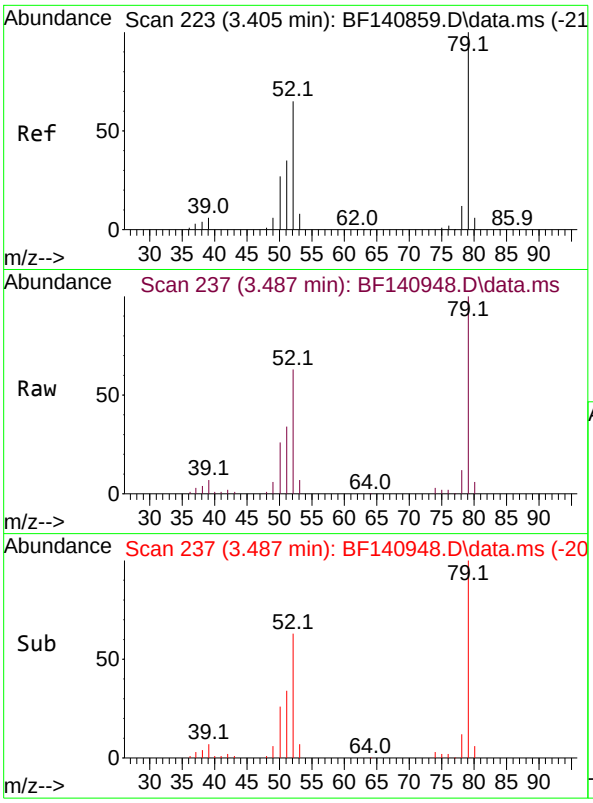



#2
1,4-Dioxane
Concen: 39.952 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 88 Resp: 57898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.2 | 55.8 | 83.8 |
| 43 | 29.7 | 22.7 | 34.1 |

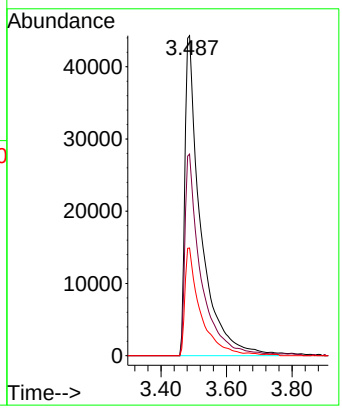





#3
Pyridine
Concen: 43.903 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

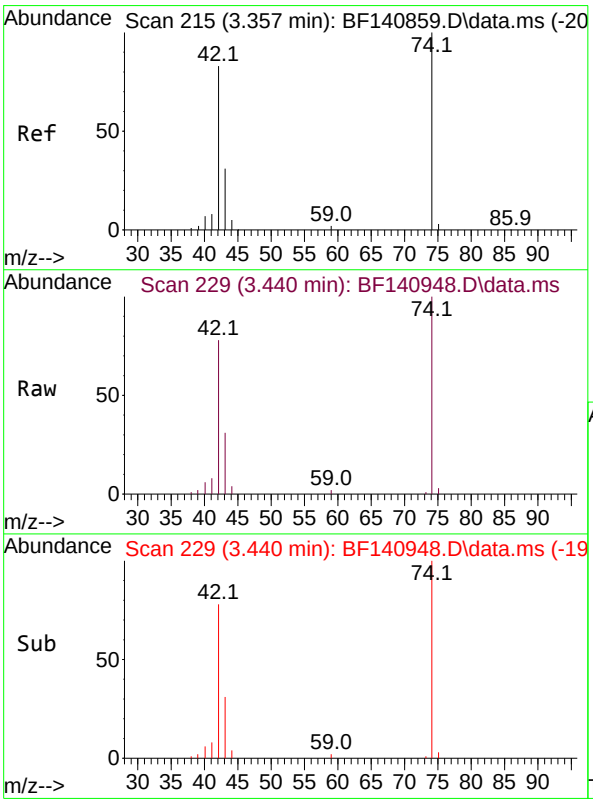
Tgt Ion: 79 Resp: 14734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.0 | 51.7 | 77.5 |
| 51 | 33.7 | 28.2 | 42.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

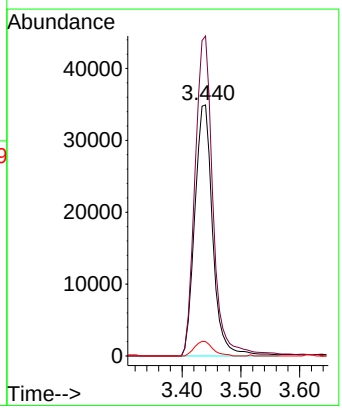
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

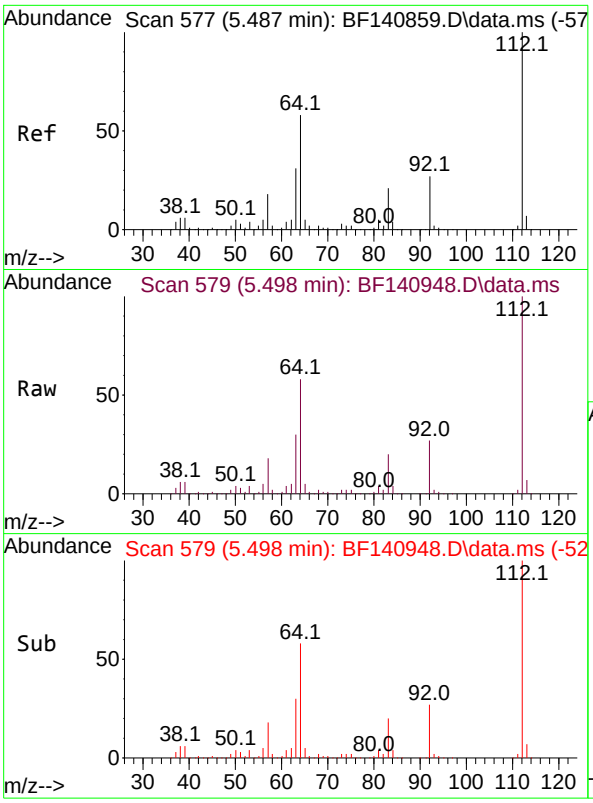



#4
n-Nitrosodimethylamine
Concen: 43.674 ng
RT: 3.440 min Scan# 229
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 42 Resp: 73891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.4 | 96.9 | 145.3 |
| 44 | 5.7 | 4.4 | 6.6 |

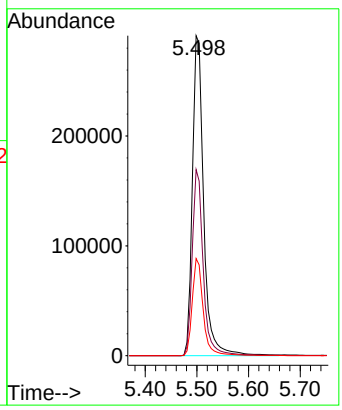





#5
2-Fluorophenol
Concen: 131.406 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:112 Resp: 44210

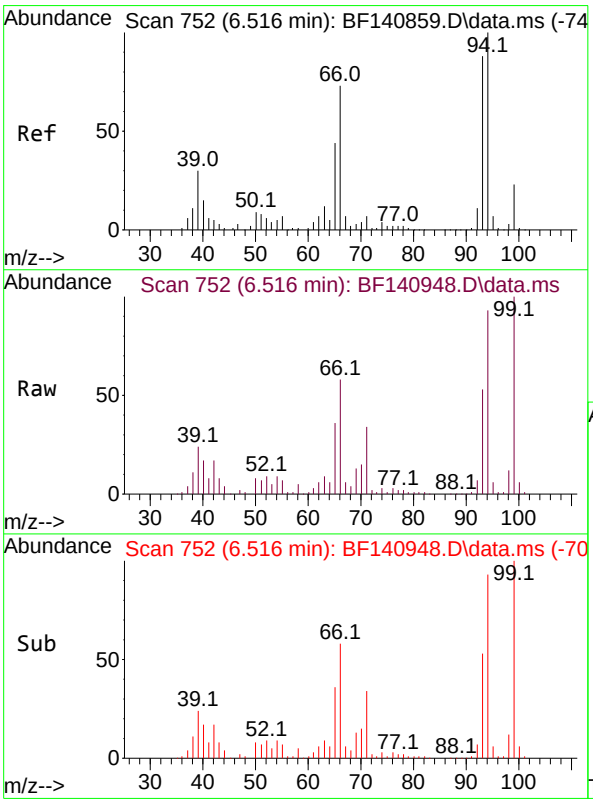
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.2 | 46.1 | 69.1 |
| 63 | 30.3 | 24.9 | 37.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

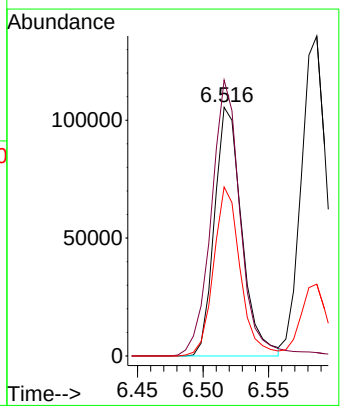
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

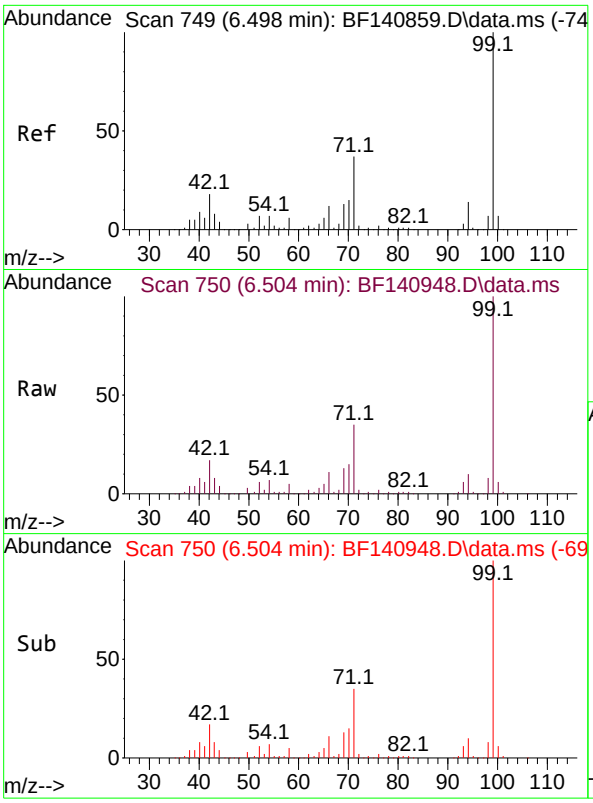



#6
Aniline
Concen: 39.984 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 93 Resp: 152345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 111.0 | 67.0 | 100.4# |
| 65 | 67.9 | 40.4 | 60.6# |

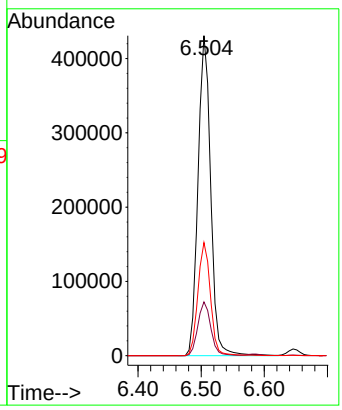





#7
Phenol-d6
Concen: 134.430 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 99 Resp: 59905

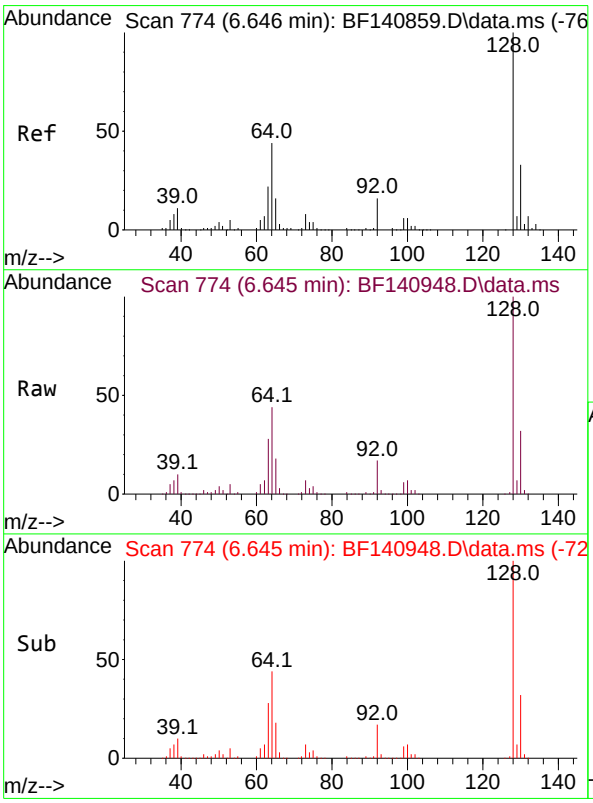
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.8 | 14.3 | 21.5 |
| 71 | 35.4 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

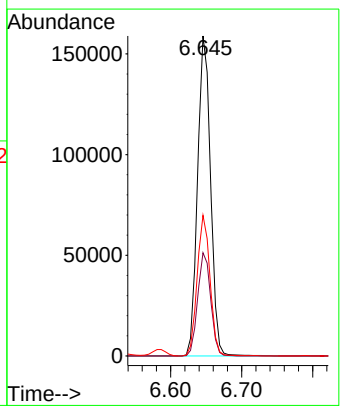
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

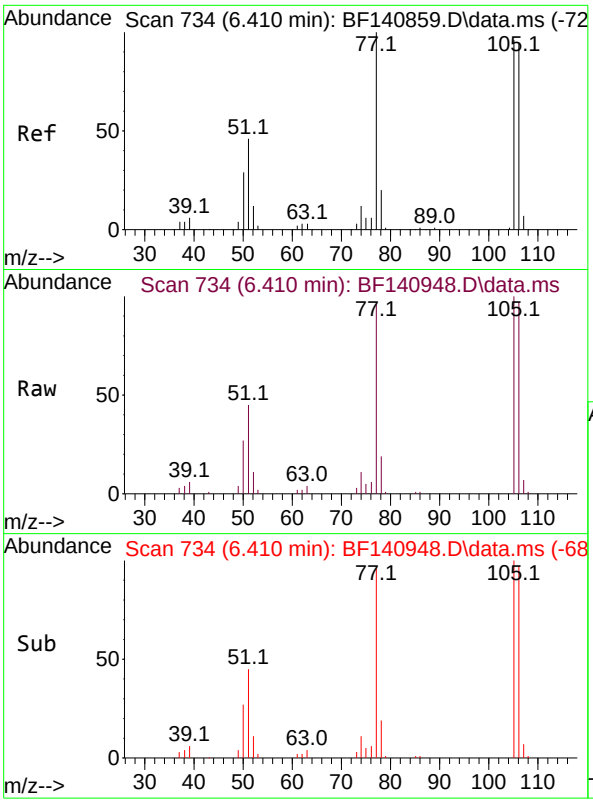



#8
2-Chlorophenol
Concen: 55.230 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:128 Resp: 202633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.9 | 52.9 |
| 64 | 44.0 | 24.3 | 64.3 |

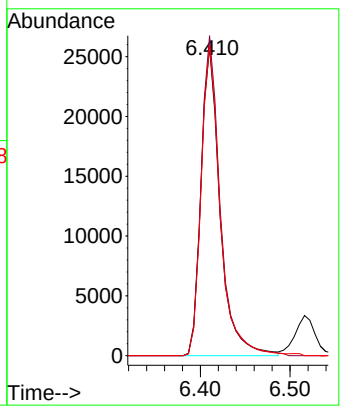





#9
Benzaldehyde
Concen: 15.462 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 77 Resp: 3817

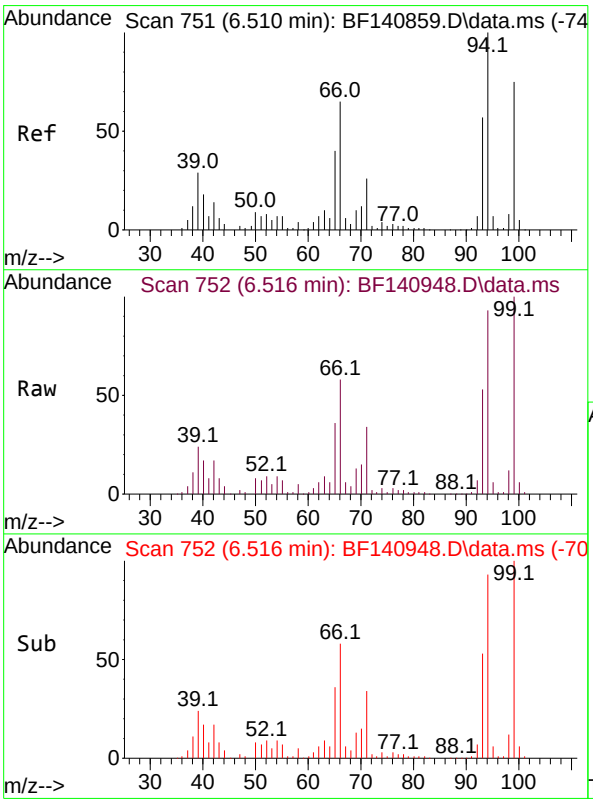
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 104.0 | 75.8 | 115.8 |
| 106 | 100.9 | 74.1 | 114.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

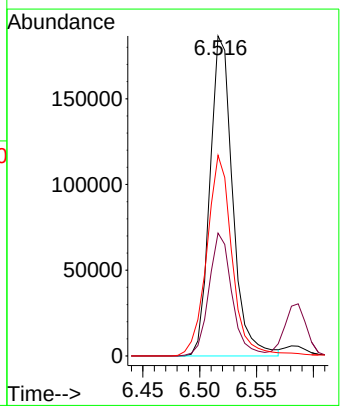
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

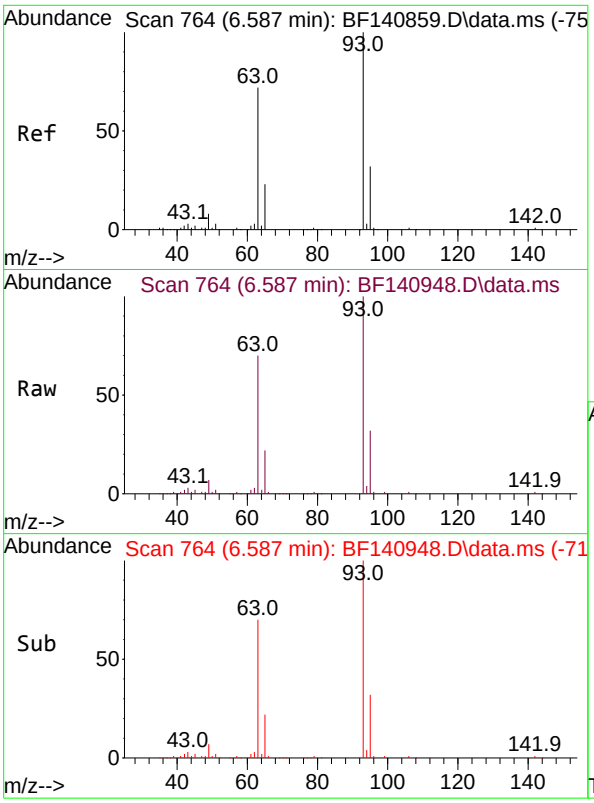



#10
Phenol
Concen: 56.104 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 94 Resp: 259118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.4 | 19.9 | 59.9 |
| 66 | 62.7 | 45.6 | 85.6 |

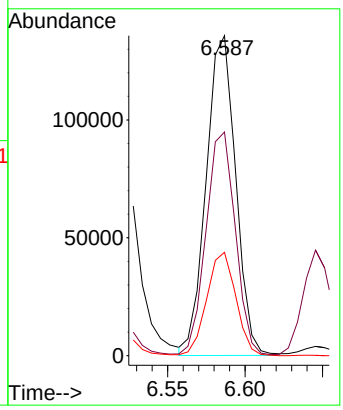





#11
bis(2-Chloroethyl)ether
Concen: 52.272 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 93 Resp: 18004

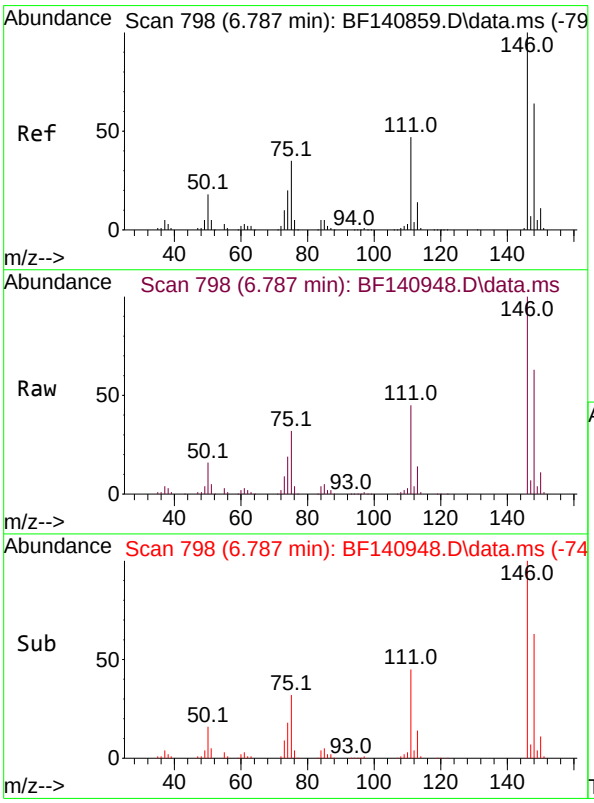
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.9 | 51.0 | 91.0 |
| 95 | 32.3 | 12.0 | 52.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

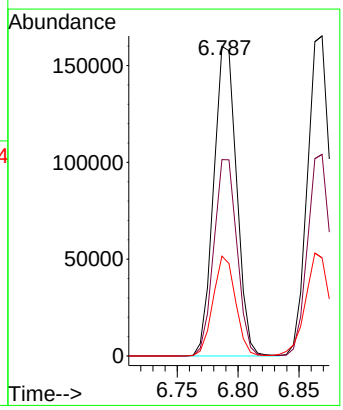
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

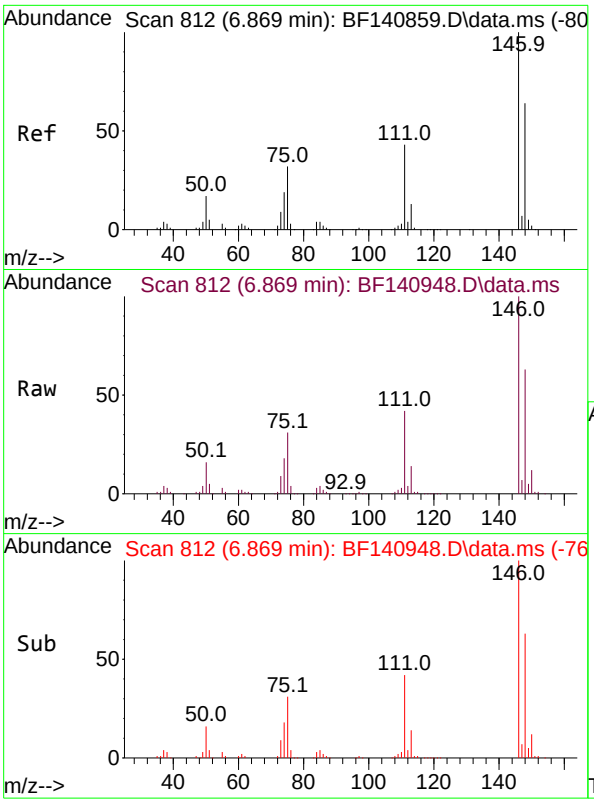



#12
1,3-Dichlorobenzene
Concen: 50.348 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 210487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.0 | 76.6 |
| 75 | 32.2 | 28.1 | 42.1 |

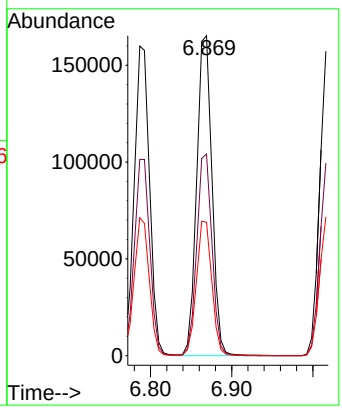





#13
1,4-Dichlorobenzene
Concen: 51.092 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 21681

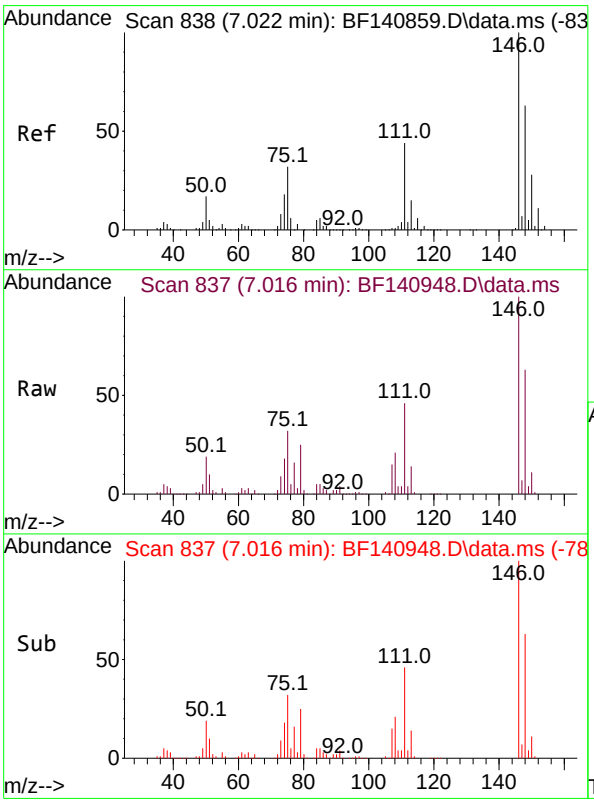
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.3 | 76.9 |
| 111 | 41.7 | 34.4 | 51.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

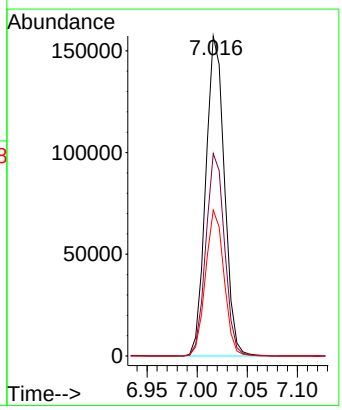
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

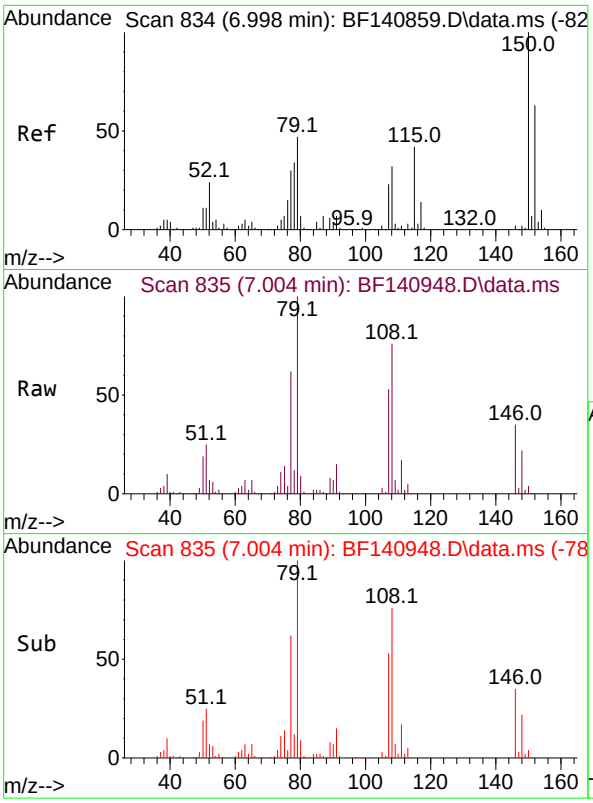



#14
1,2-Dichlorobenzene
Concen: 50.890 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 203761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.0 | 75.0 |
| 111 | 45.6 | 35.6 | 53.4 |






#15
Benzyl Alcohol
Concen: 55.078 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

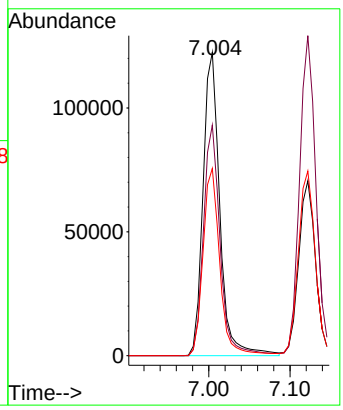
Tgt Ion: 79 Resp: 17549

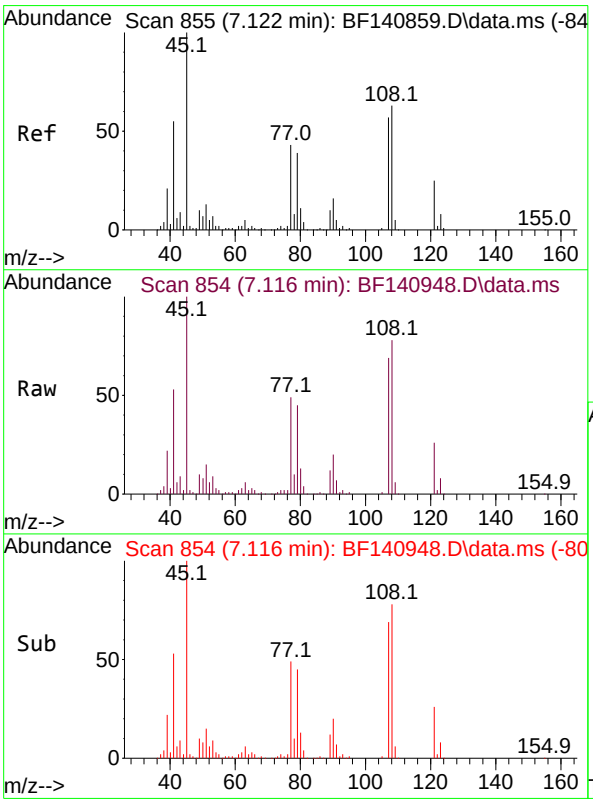
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 55.1 | 82.7 |
| 77 | 61.7 | 50.6 | 76.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

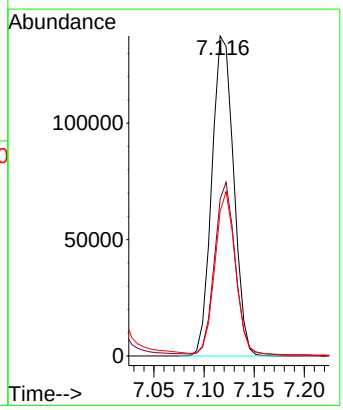


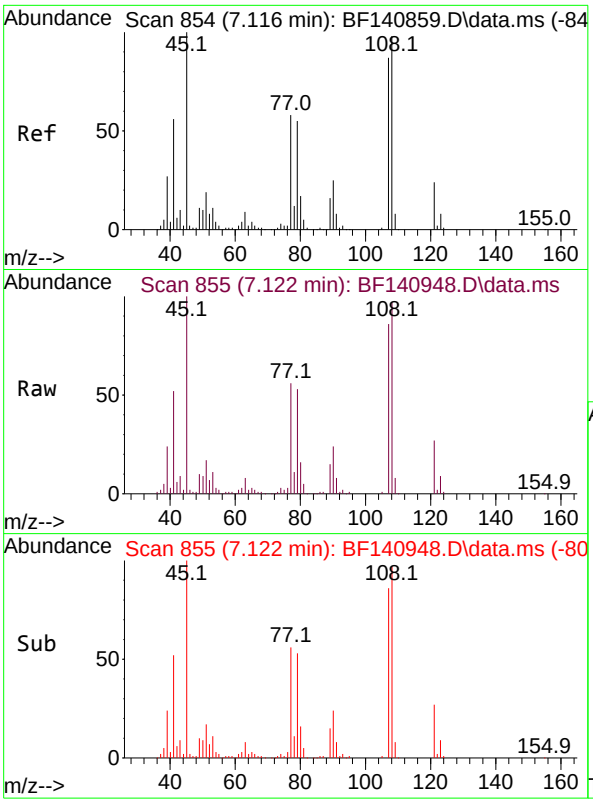




#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.327 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 45 Resp: 208259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 49.1 | 23.3 | 63.3 |
| 79 | 45.2 | 20.0 | 60.0 |

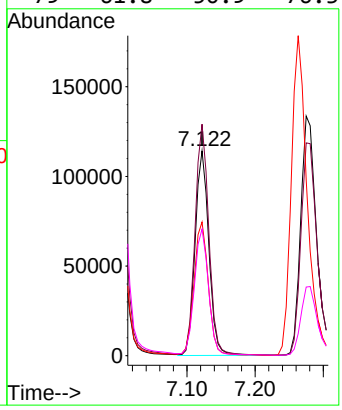





#17
2-Methylphenol
Concen: 54.685 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:107 Resp: 16018

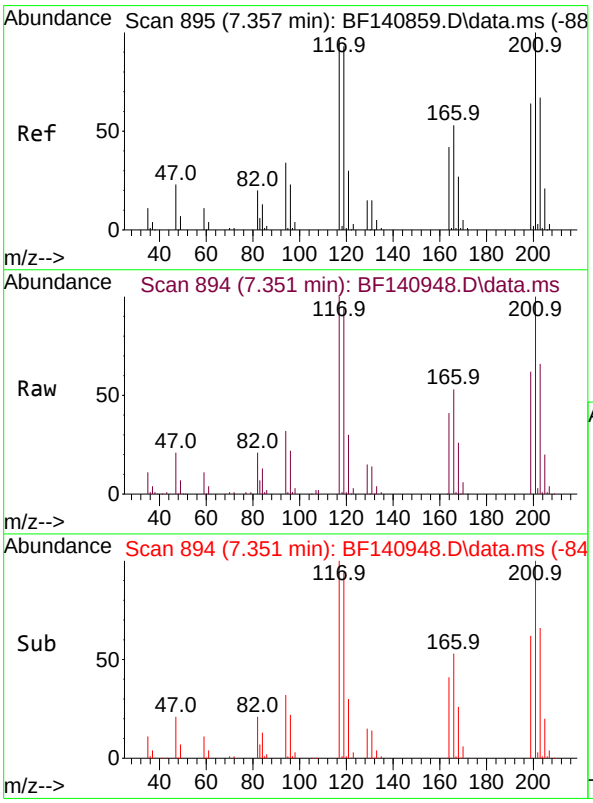
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.0 | 90.2 | 135.4 |
| 77 | 65.2 | 53.8 | 80.6 |
| 79 | 61.8 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

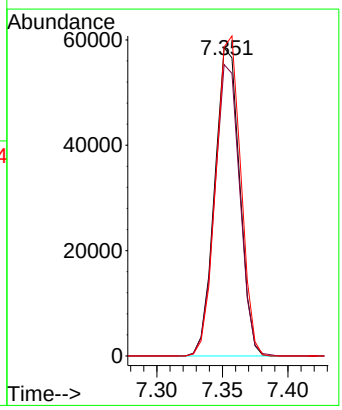
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

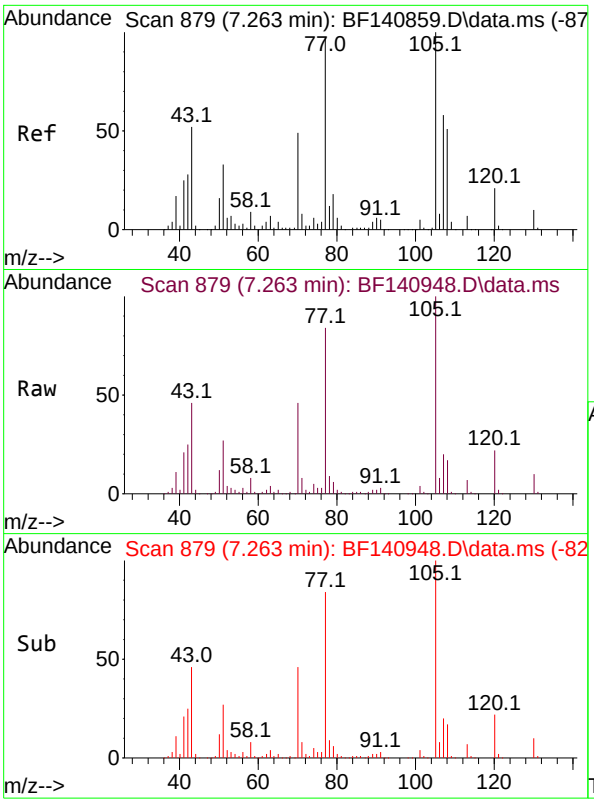



#18
Hexachloroethane
Concen: 48.978 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:117 Resp: 77377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 77.4 | 116.0 |
| 201 | 100.2 | 83.4 | 125.0 |

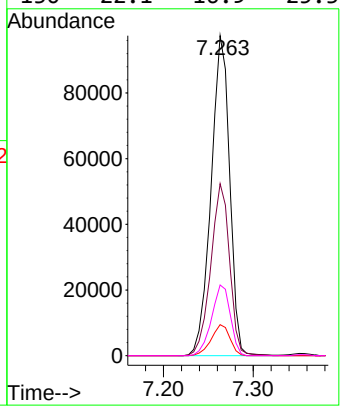





#19
n-Nitroso-di-n-propylamine
Concen: 52.475 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

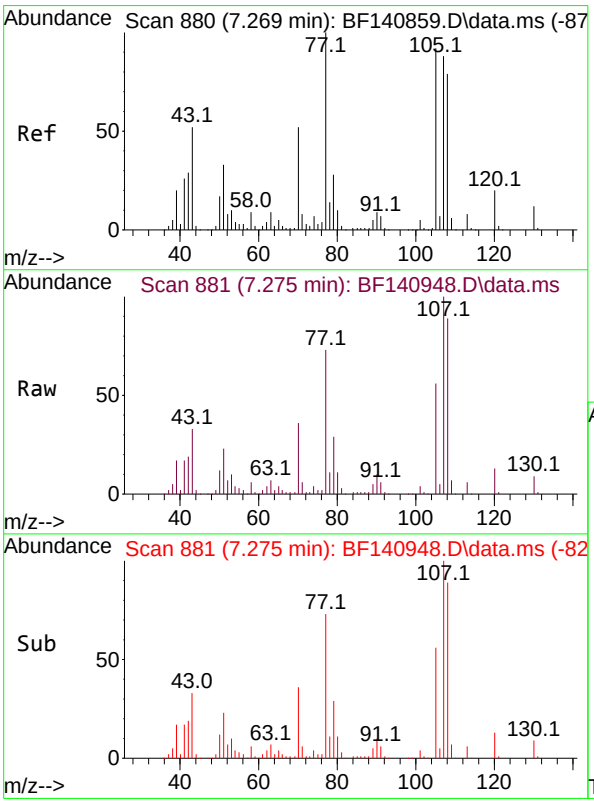
Tgt Ion: 70 Resp: 14026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.8 | 45.3 | 67.9 |
| 101 | 9.7 | 8.0 | 12.0 |
| 130 | 22.1 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

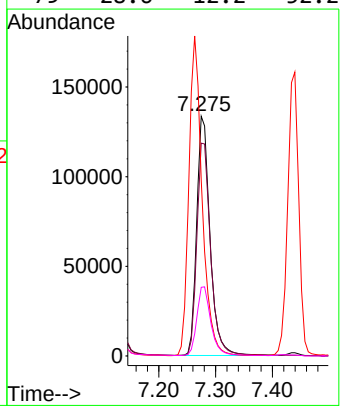
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

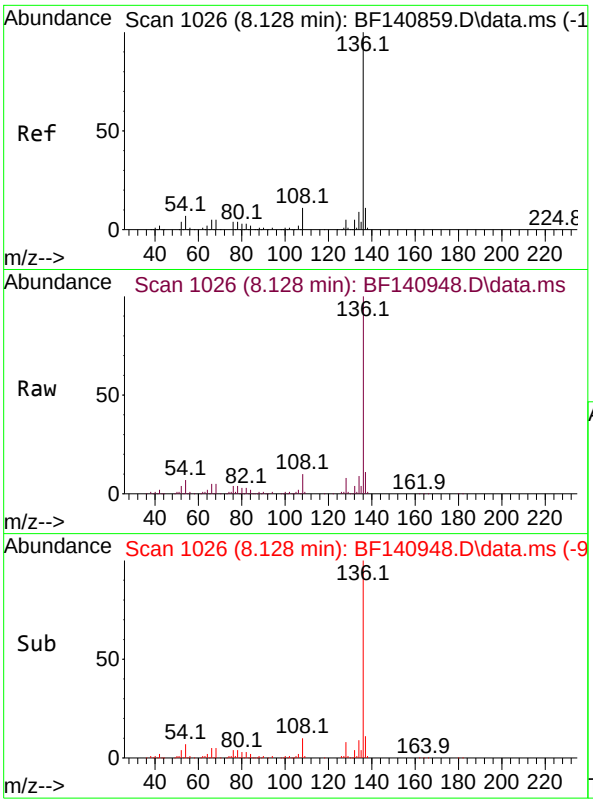



#20
3+4-Methylphenols
Concen: 56.350 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:107 Resp: 218873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.8 | 70.1 | 110.1 |
| 77 | 73.3 | 94.4 | 134.4# |
| 79 | 28.6 | 12.2 | 52.2 |

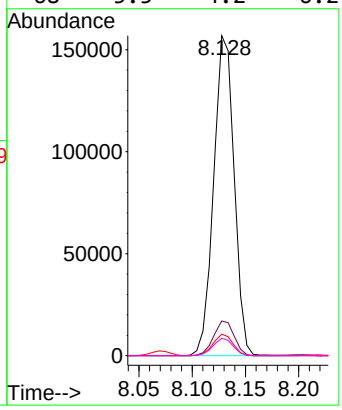





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

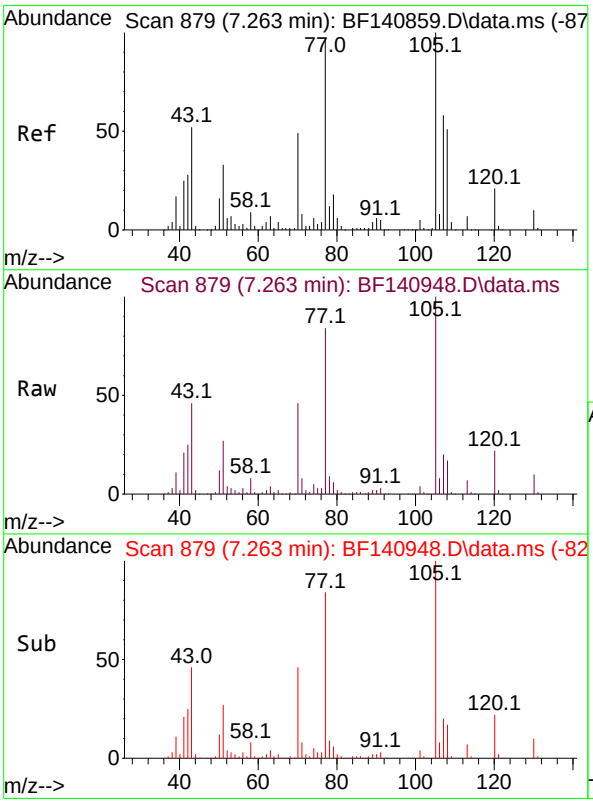
Tgt Ion:136 Resp: 20921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.7 | 5.6 | 8.4 |
| 68 | 5.5 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

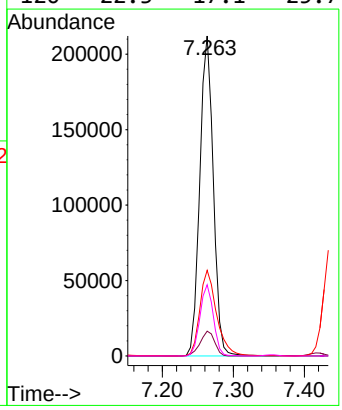
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

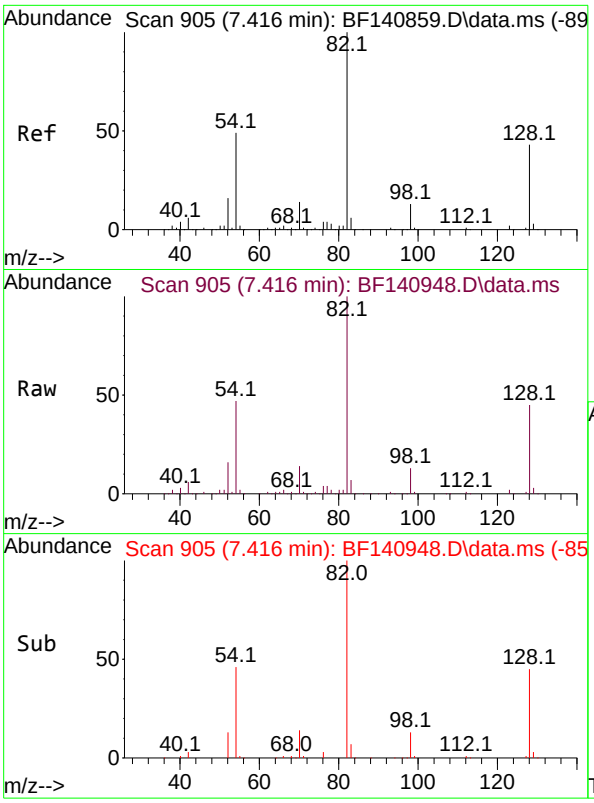



#22
Acetophenone
Concen: 53.782 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:105 Resp: 281478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 6.2 | 9.4 |
| 51 | 26.7 | 26.3 | 39.5 |
| 120 | 22.3 | 17.1 | 25.7 |

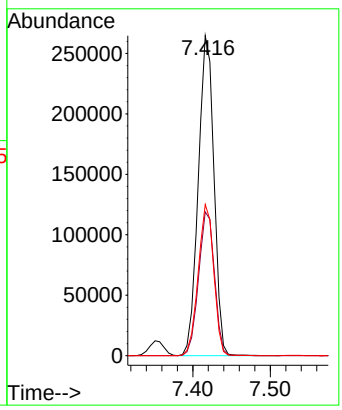





#23
Nitrobenzene-d5
Concen: 89.012 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 82 Resp: 37222

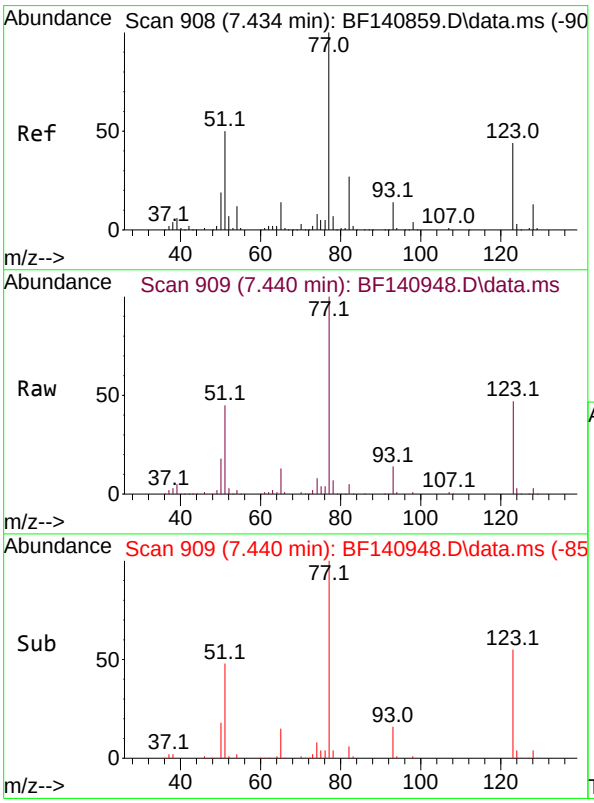
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 34.4 | 51.6 |
| 54 | 47.2 | 38.8 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

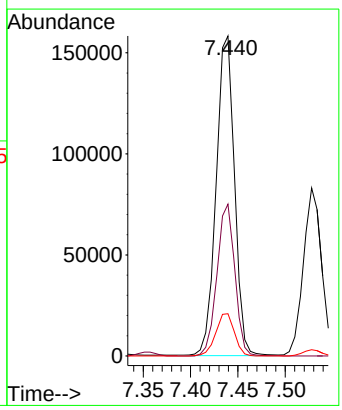
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

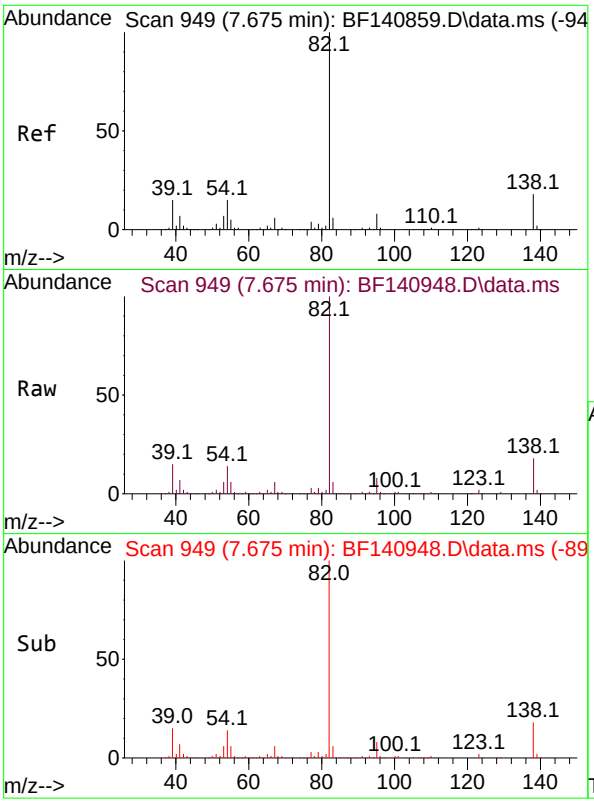



#24
Nitrobenzene
Concen: 49.921 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 77 Resp: 213867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 35.0 | 52.4 |
| 65 | 13.2 | 11.4 | 17.0 |

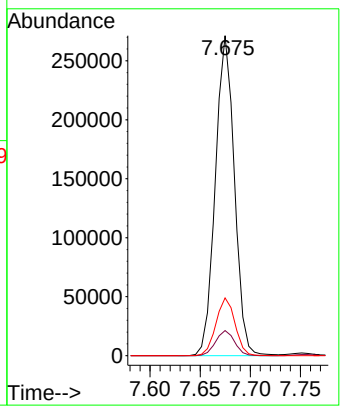





#25
Isophorone
Concen: 51.161 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

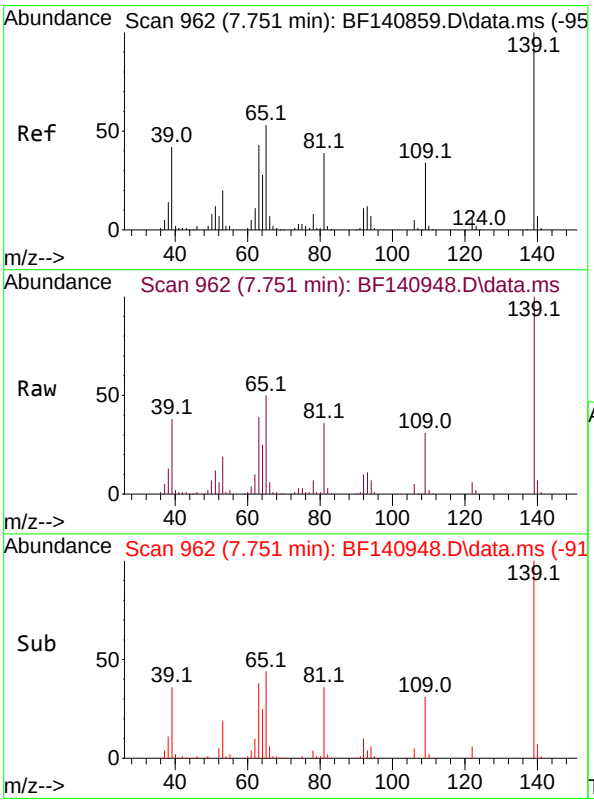
Tgt Ion: 82 Resp: 35847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 18.1 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

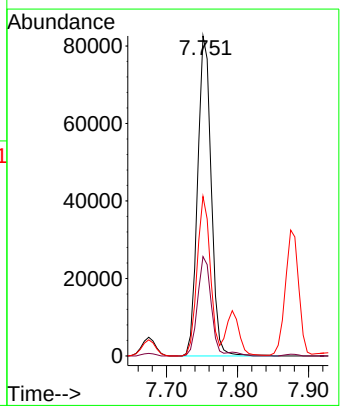
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

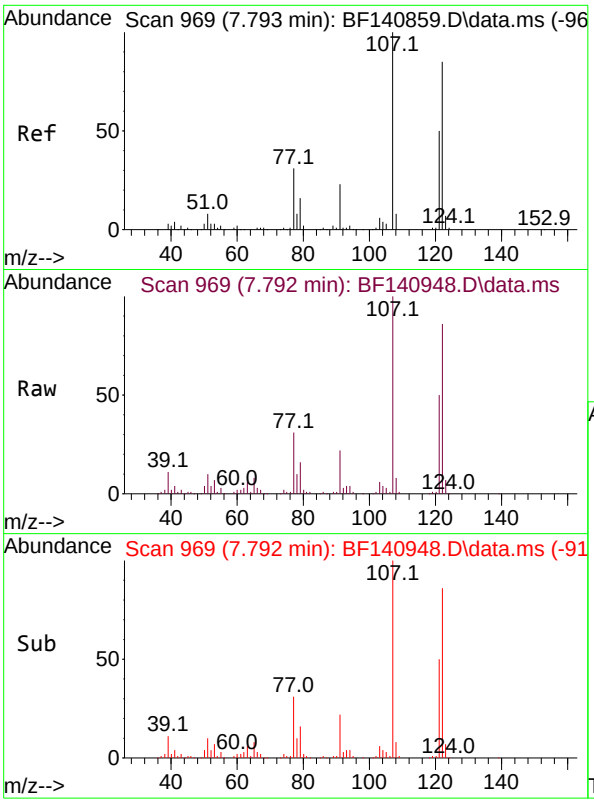



#26
2-Nitrophenol
Concen: 55.813 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:139 Resp: 110125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.1 | 26.9 | 40.3 |
| 65 | 49.8 | 42.6 | 64.0 |

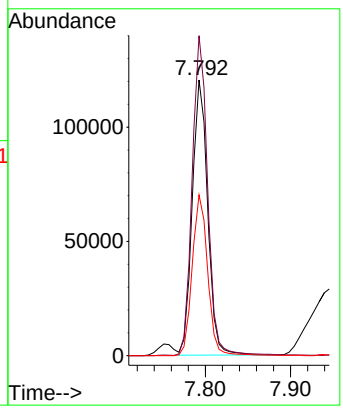





#27
2,4-Dimethylphenol
Concen: 65.624 ng
RT: 7.792 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:122 Resp: 15121(

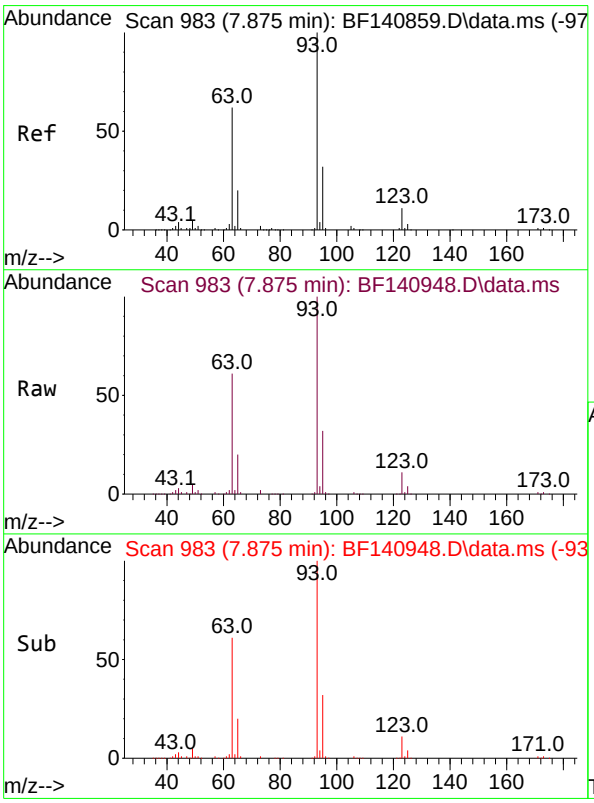
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.1 | 92.6 | 139.0 |
| 121 | 58.3 | 45.8 | 68.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

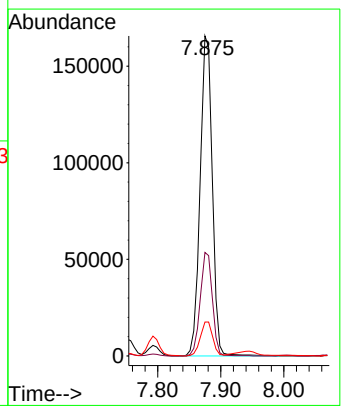
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

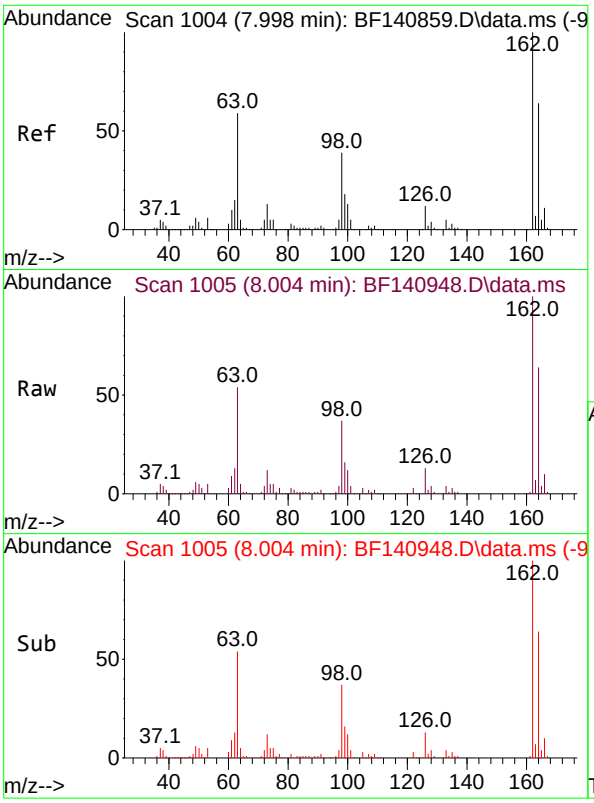



#28
bis(2-Chloroethoxy)methane
Concen: 50.641 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 93 Resp: 221616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.3 | 37.9 |
| 123 | 10.6 | 8.6 | 13.0 |

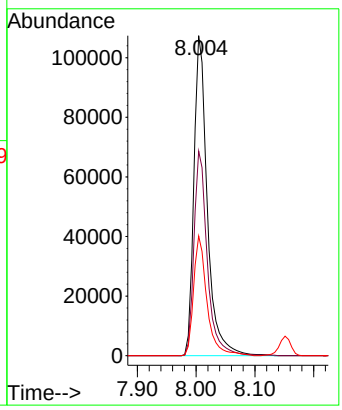





#29
2,4-Dichlorophenol
Concen: 53.525 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

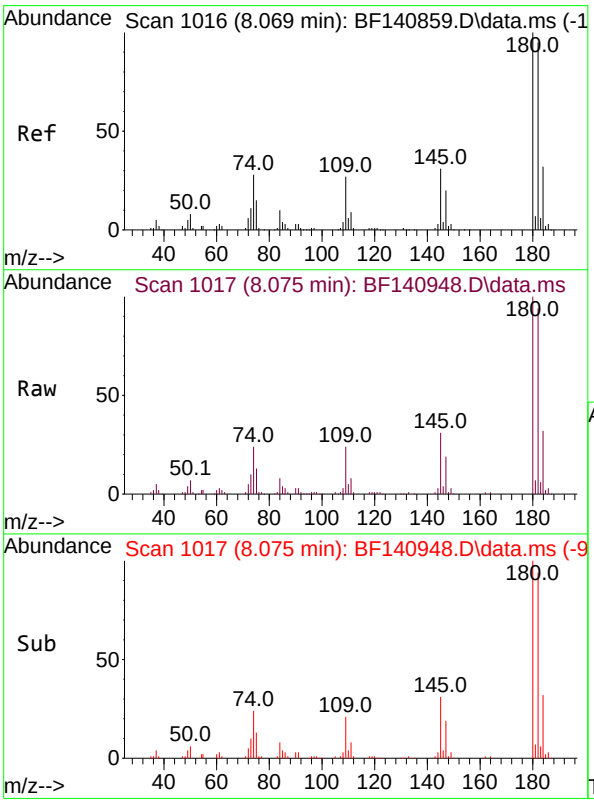
Tgt Ion:162 Resp: 17027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.7 | 83.7 |
| 98 | 37.4 | 18.6 | 58.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

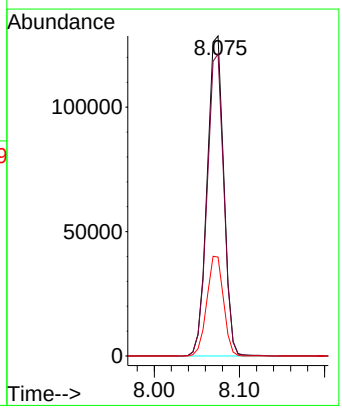
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

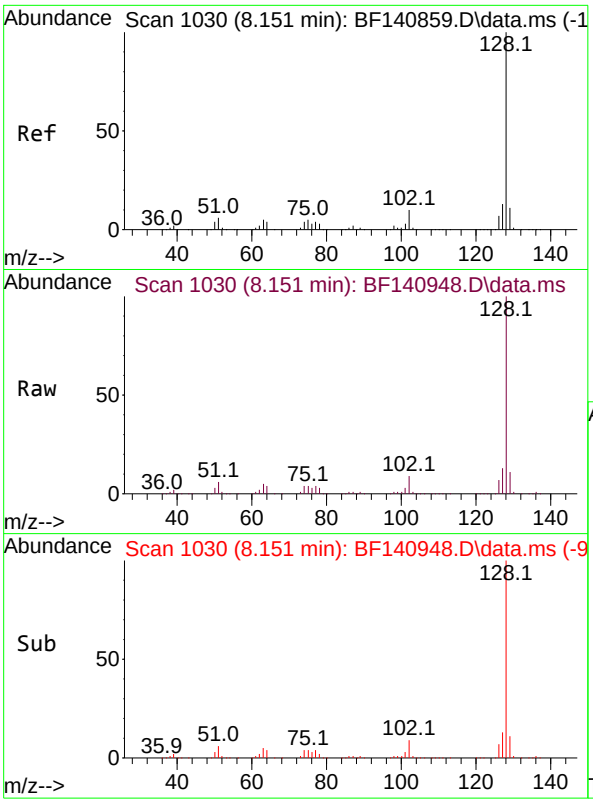



#30
1,2,4-Trichlorobenzene
Concen: 47.901 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:180 Resp: 174689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 75.8 | 113.6 |
| 145 | 30.9 | 25.2 | 37.8 |

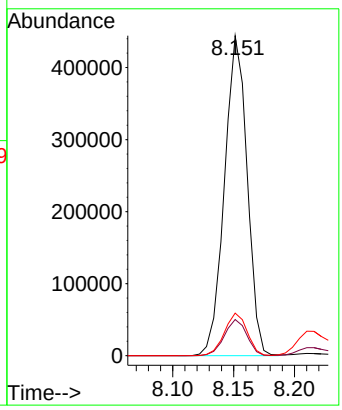





#31
Naphthalene
Concen: 50.150 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

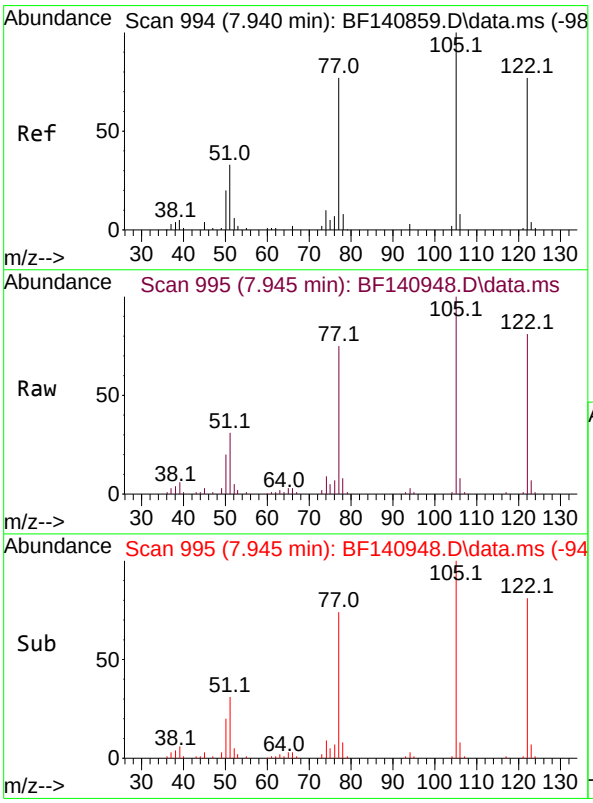
Tgt Ion:128 Resp: 57635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

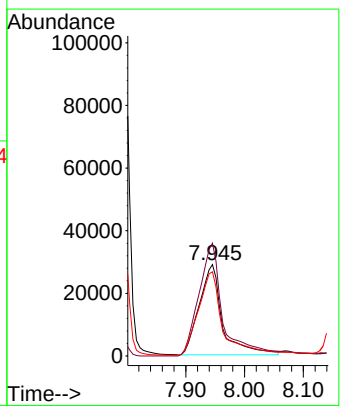
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

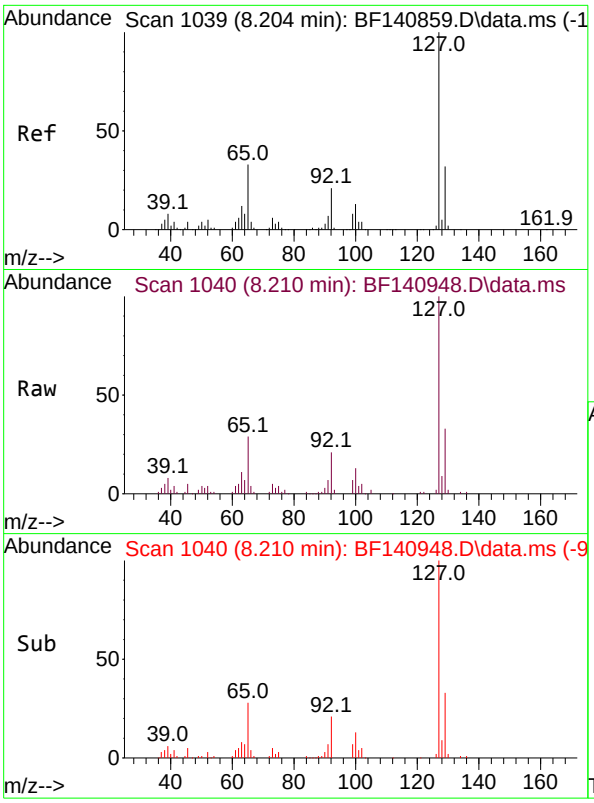



#32
Benzoic acid
Concen: 36.568 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:122 Resp: 79916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 108.3 | 148.3 |
| 77 | 92.2 | 78.8 | 118.8 |

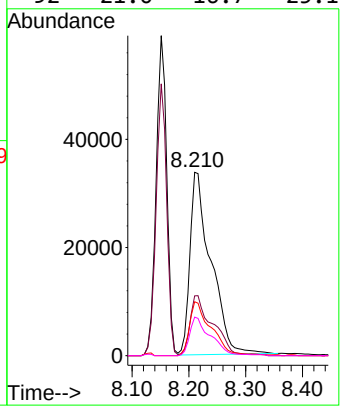





#33
4-Chloroaniline
Concen: 22.717 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

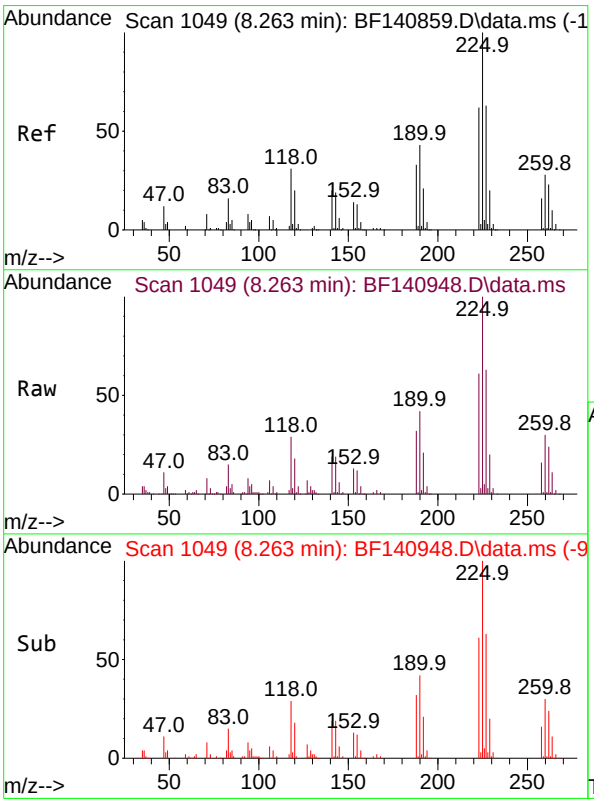
Tgt Ion:127 Resp: 8671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 26.0 | 39.0 |
| 65 | 29.4 | 26.0 | 39.0 |
| 92 | 21.0 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

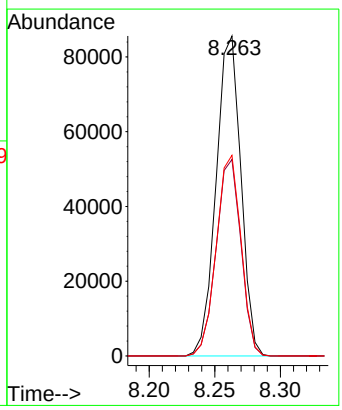
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

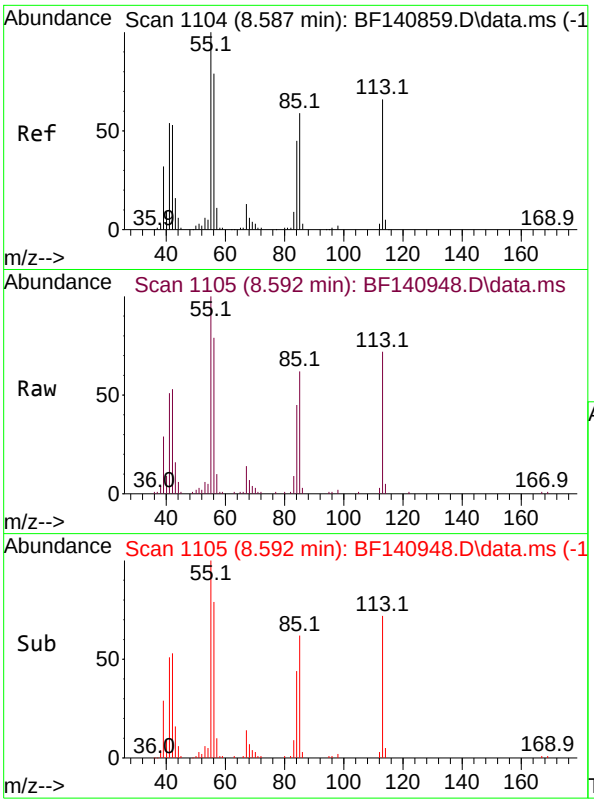



#34
Hexachlorobutadiene
Concen: 45.808 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:225 Resp: 112396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.4 | 49.6 | 74.4 |
| 227 | 62.7 | 50.7 | 76.1 |

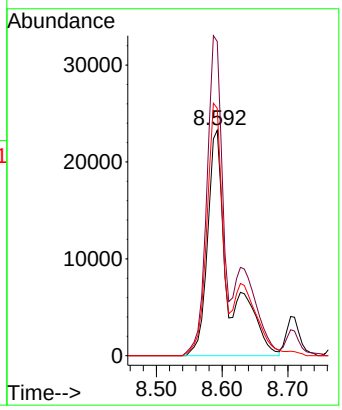





#35
Caprolactam
Concen: 55.895 ng m
RT: 8.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:113 Resp: 5293

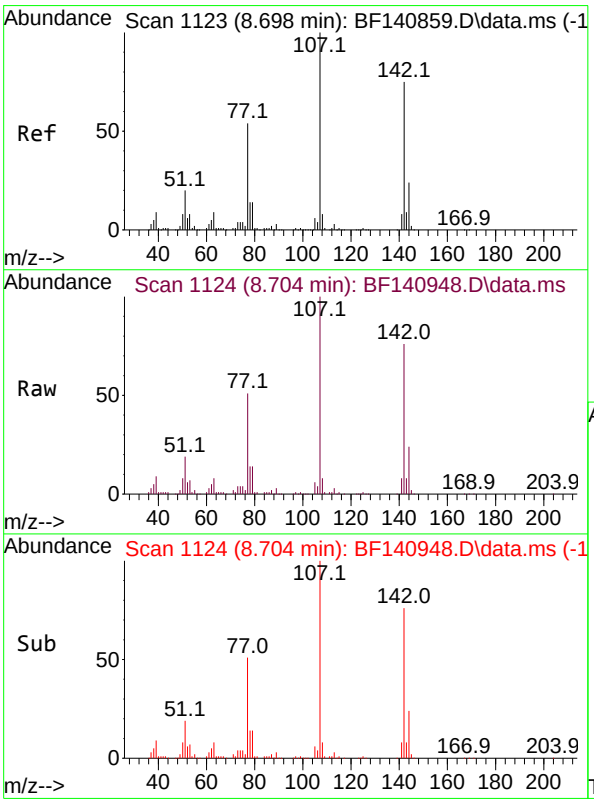
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.4 | 132.3 | 172.3 |
| 56 | 109.8 | 100.3 | 140.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

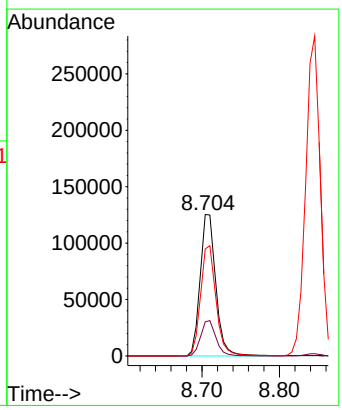
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

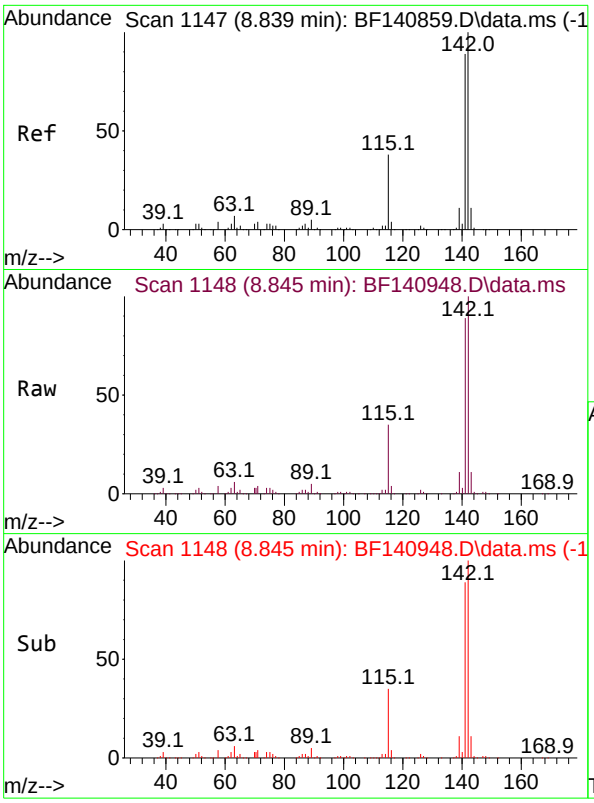



#36
4-Chloro-3-methylphenol
Concen: 49.233 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:107 Resp: 176282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 19.4 | 29.2 |
| 142 | 75.8 | 60.3 | 90.5 |

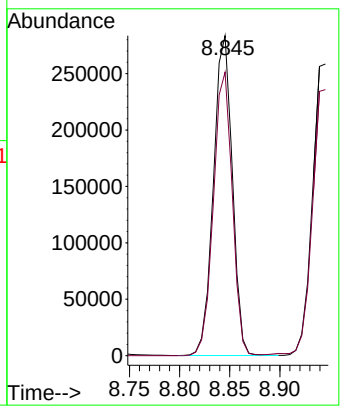





#37
2-Methylnaphthalene
Concen: 48.635 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:142 Resp: 36973

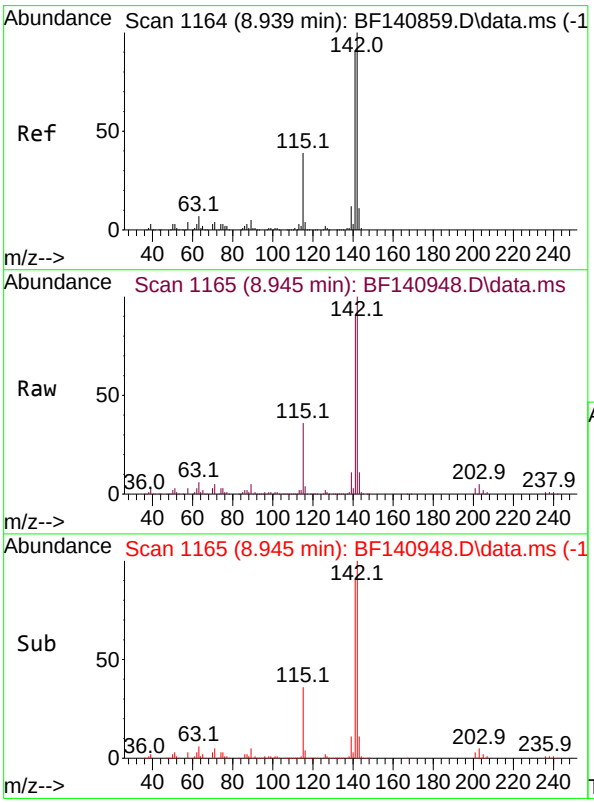
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.0 | 106.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

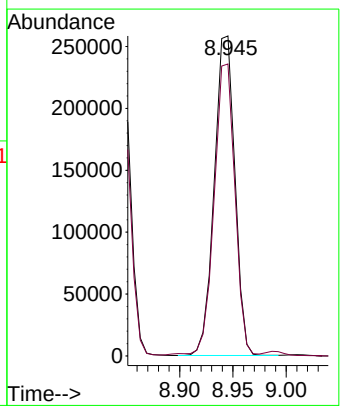
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

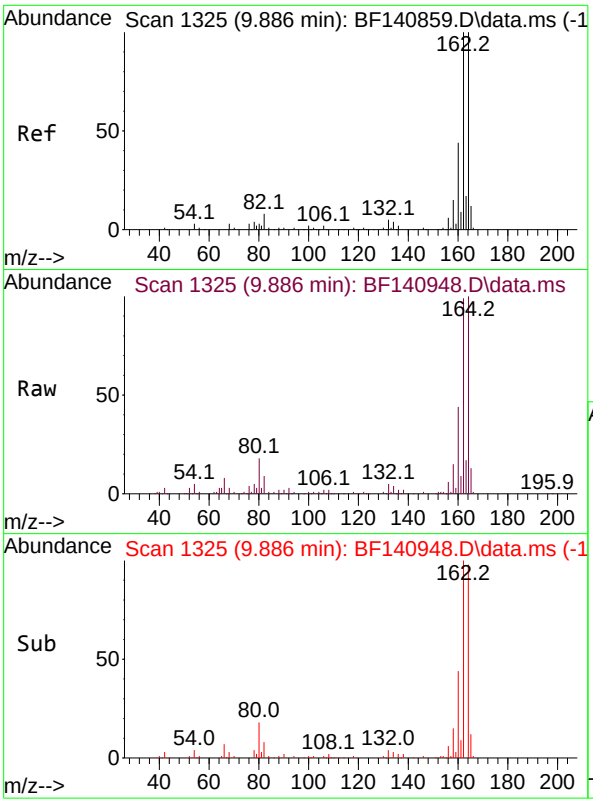



#38
1-Methylnaphthalene
Concen: 46.215 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:142 Resp: 347475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.4 | 110.0 |

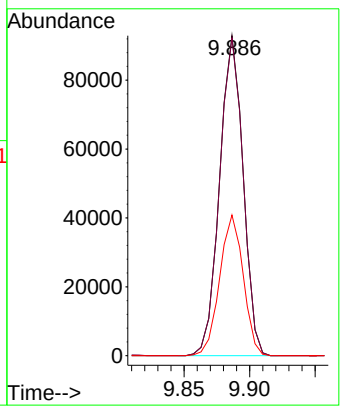





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:164 Resp: 11552

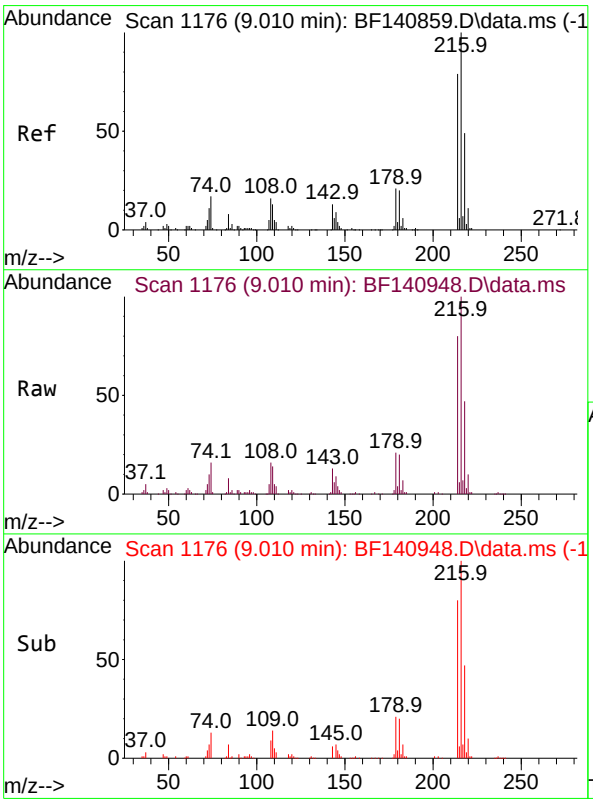
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 79.9 | 119.9 |
| 160 | 43.9 | 35.2 | 52.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

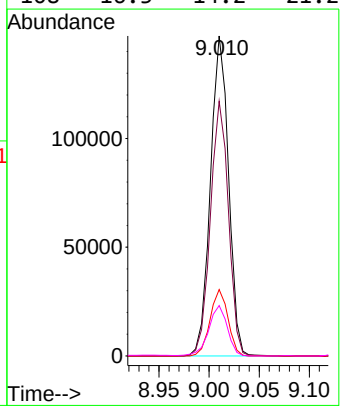
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

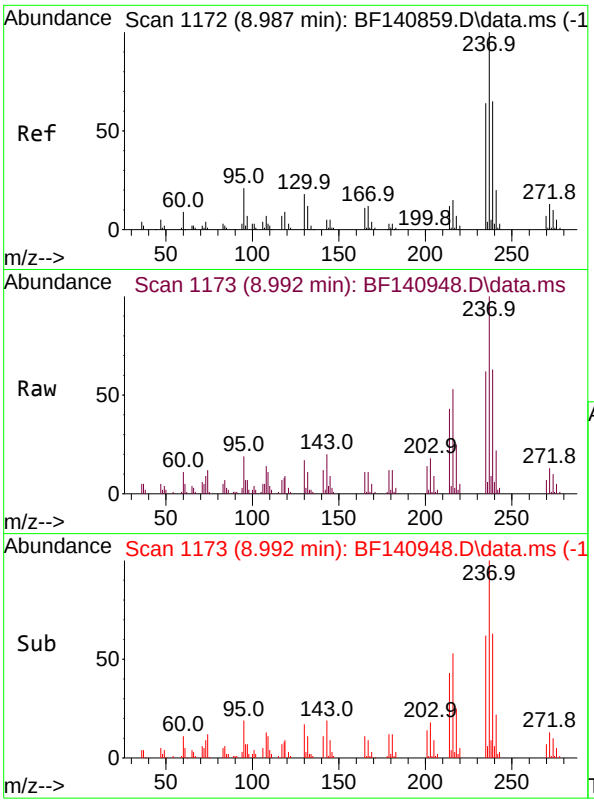



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.053 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:216 Resp: 184825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.4 | 63.6 | 95.4 |
| 179 | 20.4 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |

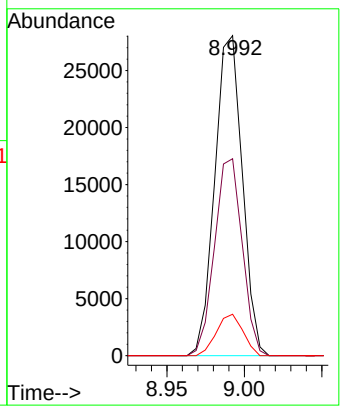





#41
Hexachlorocyclopentadiene
Concen: 40.992 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:237 Resp: 3464

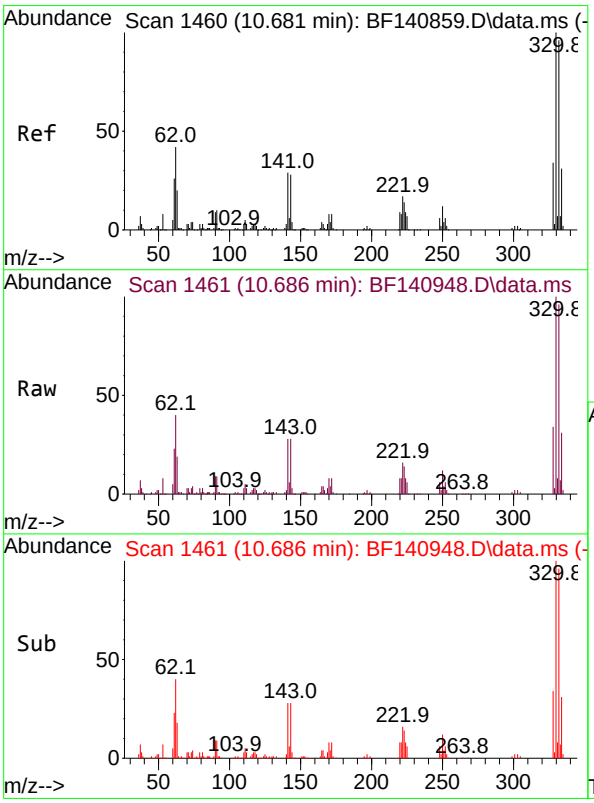
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.5 | 43.7 | 83.7 |
| 272 | 12.9 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

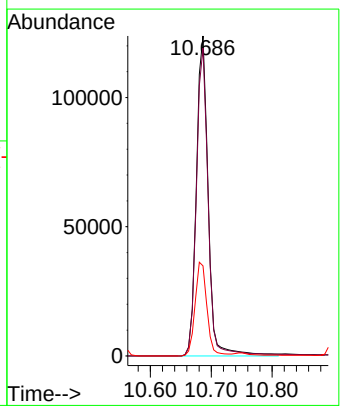
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

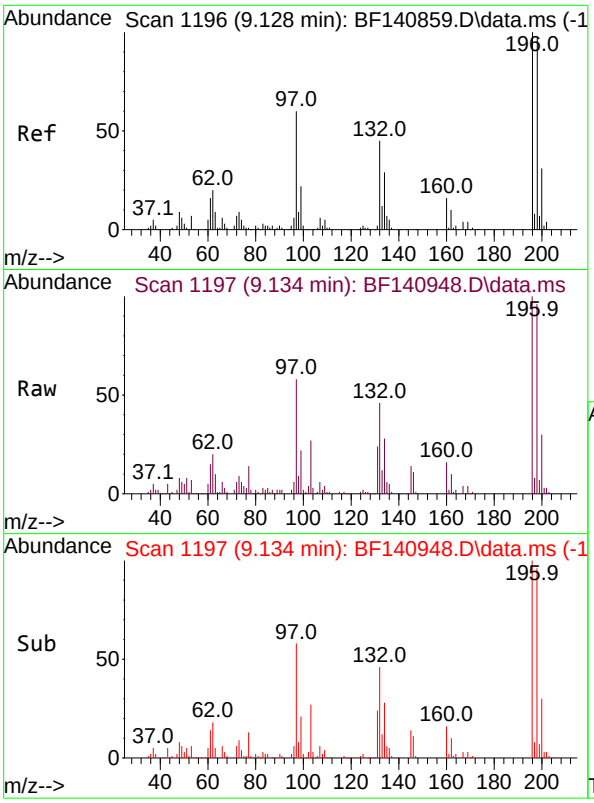



#42
2,4,6-Tribromophenol
Concen: 122.376 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:330 Resp: 167201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 76.2 | 114.4 |
| 141 | 29.4 | 24.9 | 37.3 |

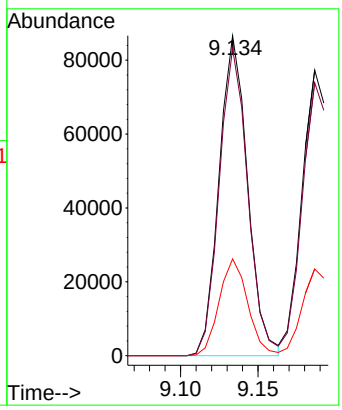





#43
2,4,6-Trichlorophenol
Concen: 50.964 ng
RT: 9.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:196 Resp: 11080

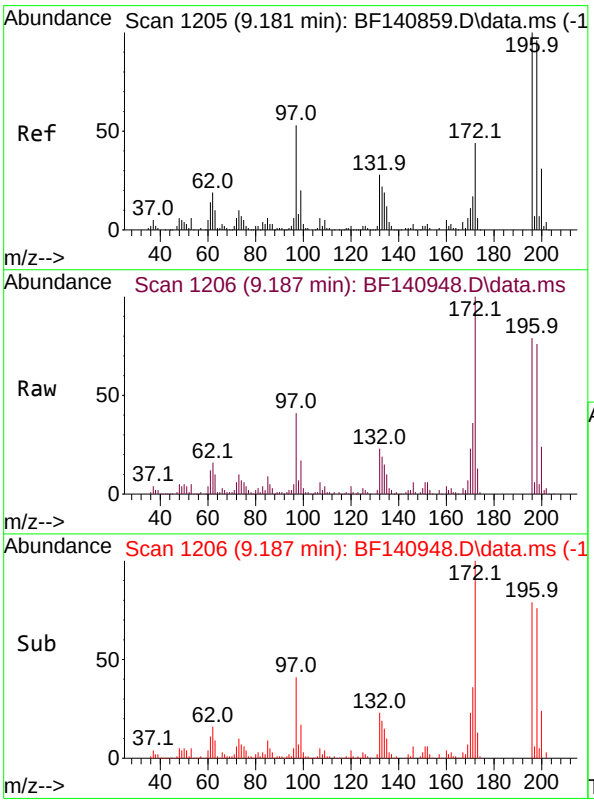
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 77.4 | 116.0 |
| 200 | 30.2 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

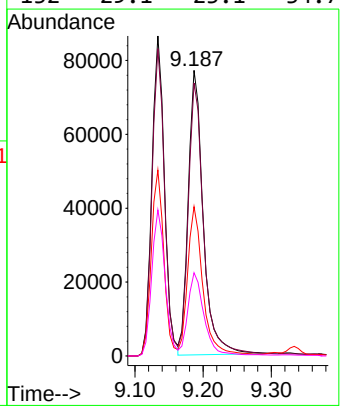
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

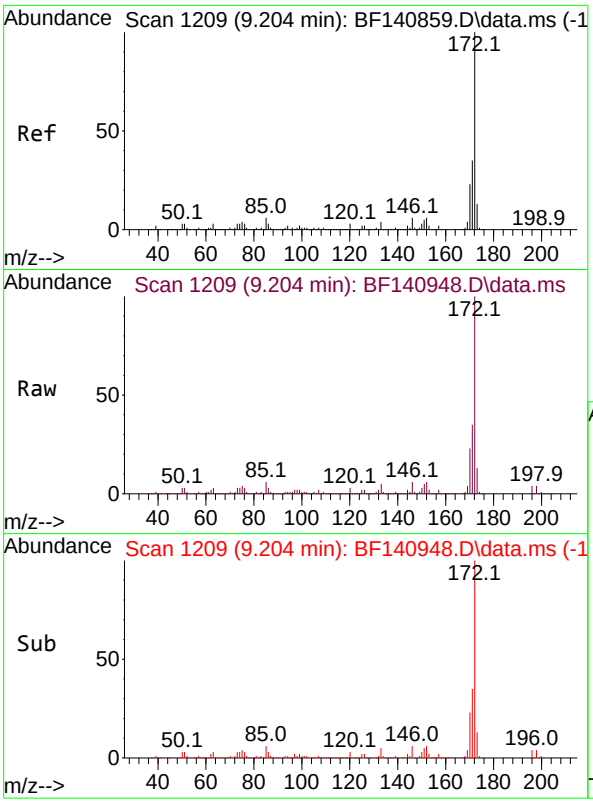



#44
2,4,5-Trichlorophenol
Concen: 49.337 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:196 Resp: 117901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 77.2 | 115.8 |
| 97 | 52.3 | 42.2 | 63.4 |
| 132 | 29.1 | 23.1 | 34.7 |

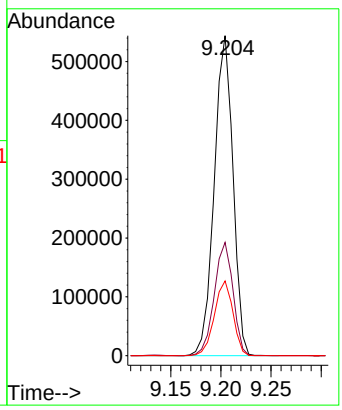





#45
2-Fluorobiphenyl
Concen: 83.953 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

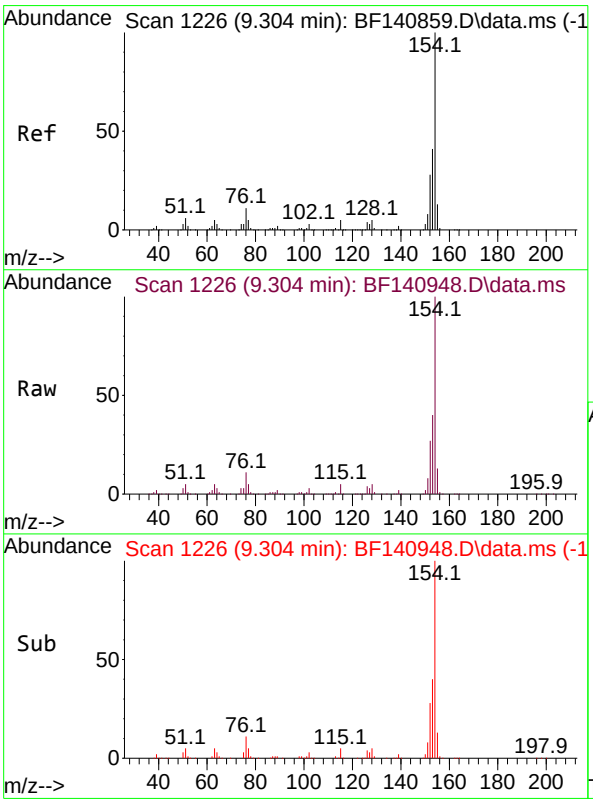
Tgt Ion:172 Resp: 70541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.4 | 42.6 |
| 170 | 23.3 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

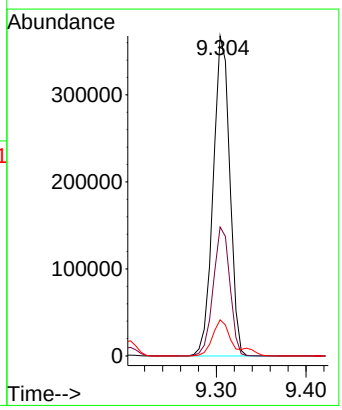
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

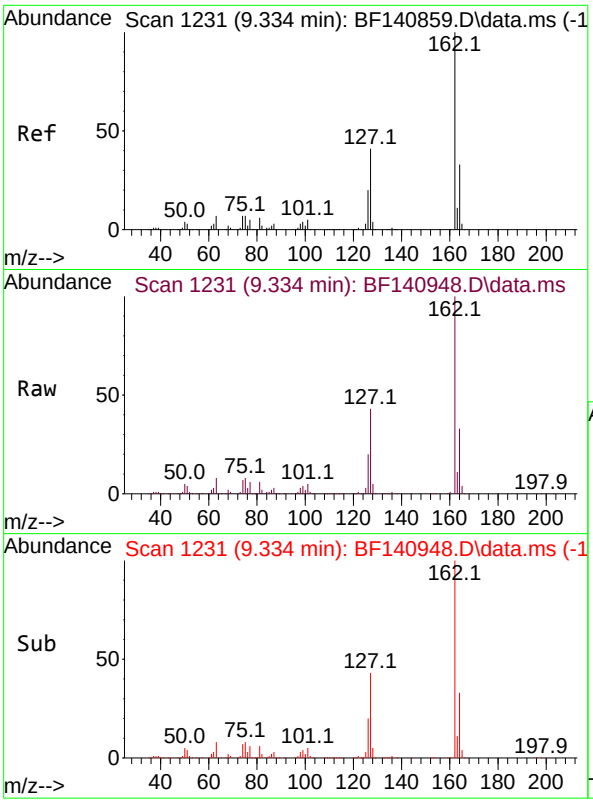



#46
1,1'-Biphenyl
Concen: 51.455 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:154 Resp: 472666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.8 | 60.8 |
| 76 | 11.3 | 0.0 | 31.0 |

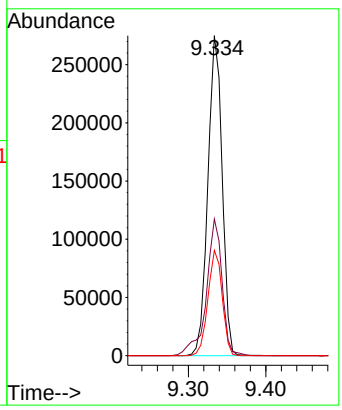





#47
2-Chloronaphthalene
Concen: 50.113 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

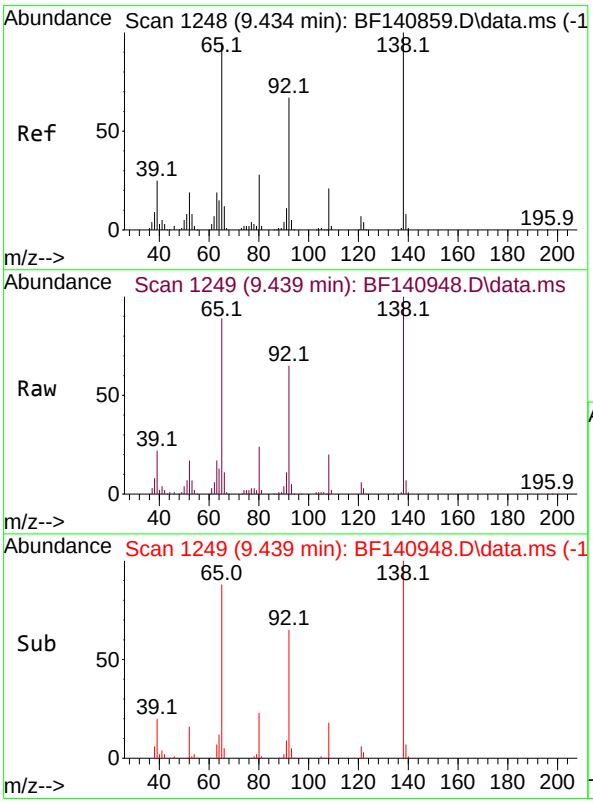
Tgt Ion:162 Resp: 35216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 33.5 | 50.3 |
| 164 | 32.9 | 26.2 | 39.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

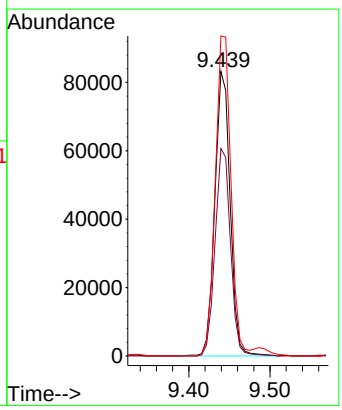
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

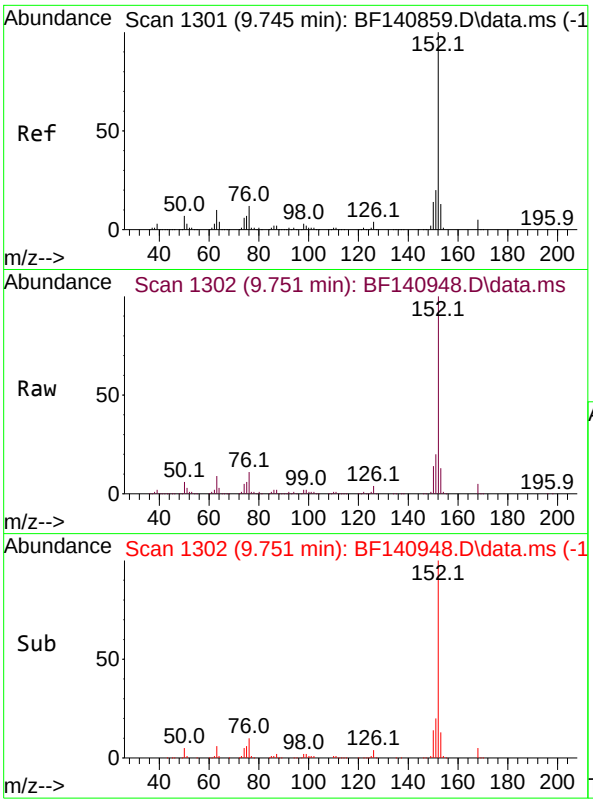



#48
2-Nitroaniline
Concen: 51.395 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 65 Resp: 109079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.9 | 56.3 | 84.5 |
| 138 | 112.5 | 83.8 | 125.6 |

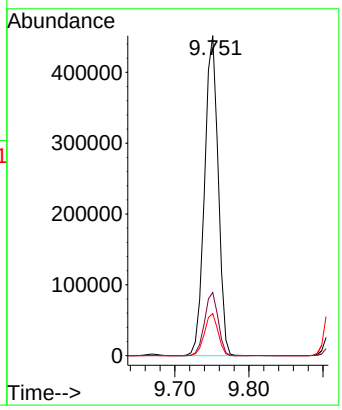





#49
Acenaphthylene
Concen: 55.834 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:152 Resp: 57662

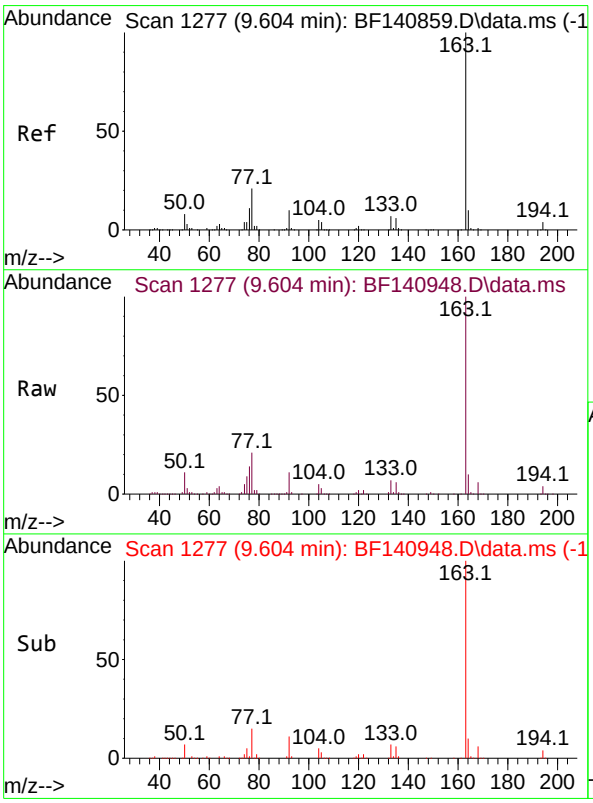
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

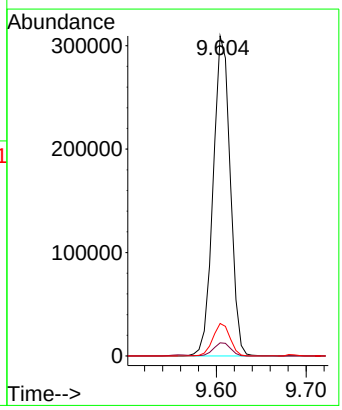
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

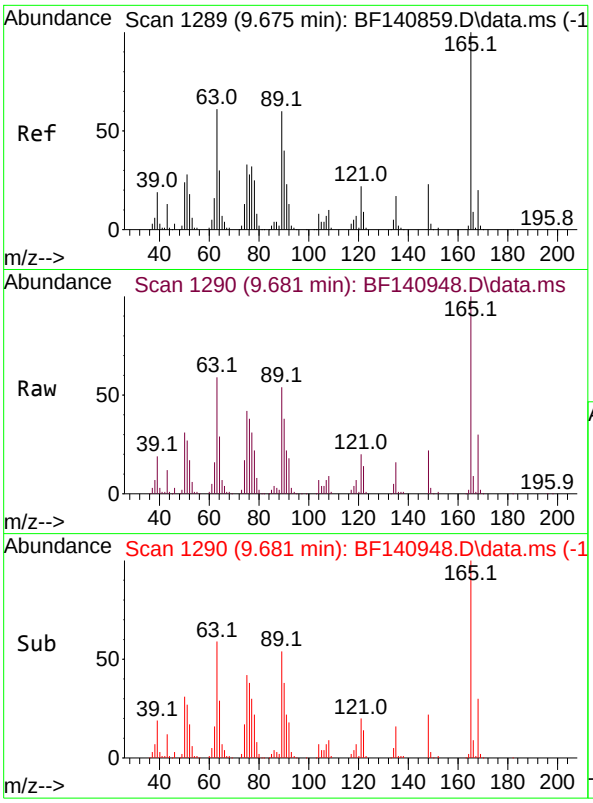



#50
Dimethylphthalate
Concen: 50.222 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:163 Resp: 409034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.1 | 12.1 |

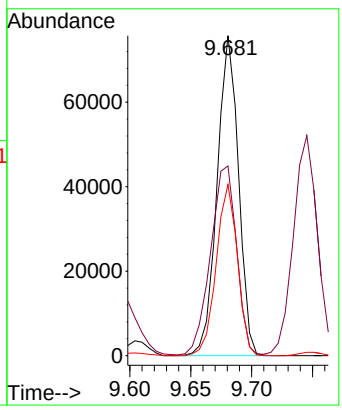





#51
2,6-Dinitrotoluene
Concen: 49.668 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:165 Resp: 9247

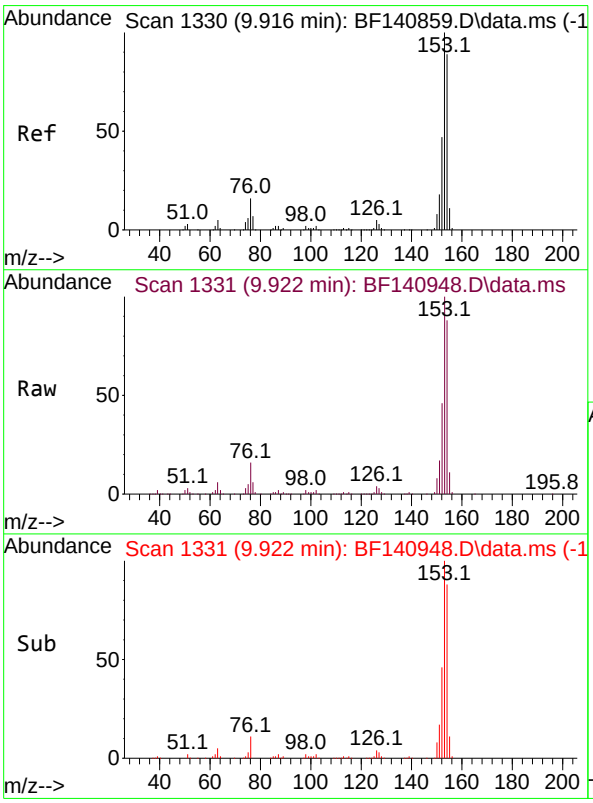
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.3 | 49.7 | 74.5 |
| 89 | 53.5 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

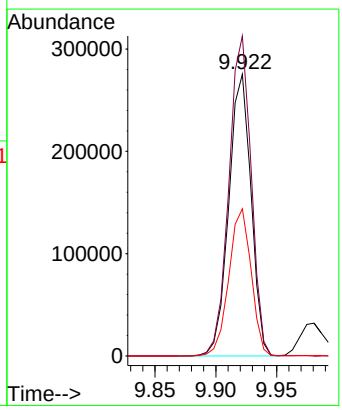
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

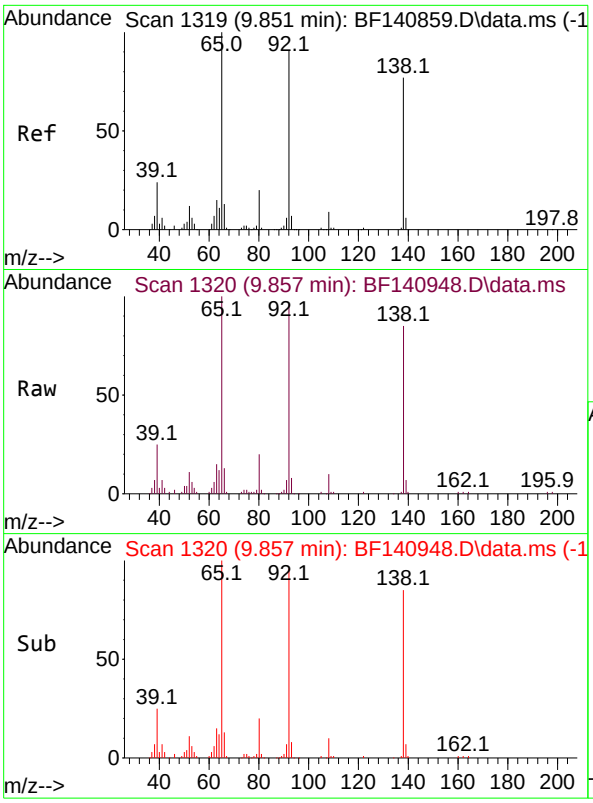



#52
Acenaphthene
Concen: 53.237 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:154 Resp: 351200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 89.9 | 134.9 |
| 152 | 52.3 | 42.6 | 63.8 |

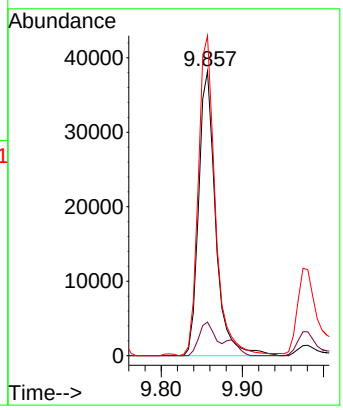





#53
3-Nitroaniline
Concen: 30.057 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:138 Resp: 5553

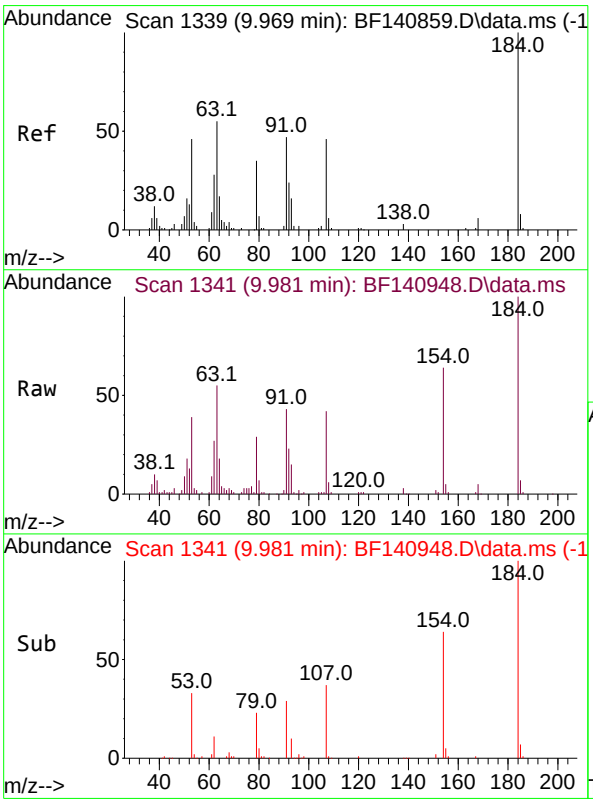
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 9.0 | 13.4 |
| 92 | 112.5 | 95.5 | 143.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

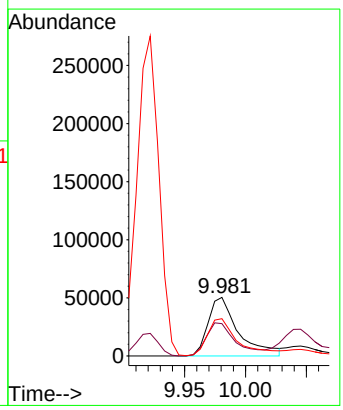
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

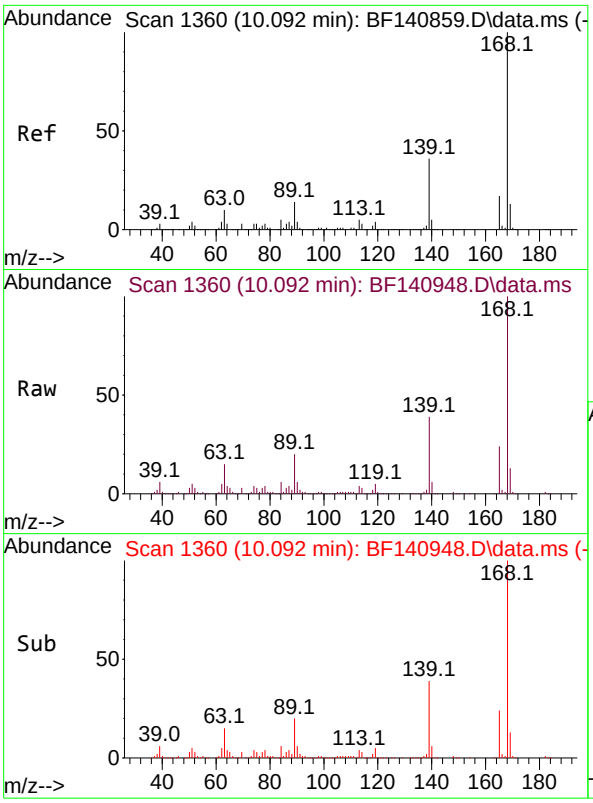



#54
2,4-Dinitrophenol
Concen: 95.155 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:184 Resp: 87671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.3 | 51.6 | 77.4 |
| 154 | 63.7 | 56.1 | 84.1 |

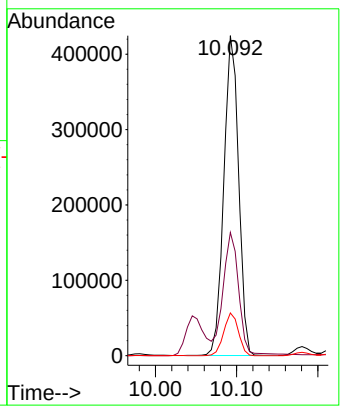





#55
Dibenzofuran
Concen: 52.577 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:168 Resp: 53745

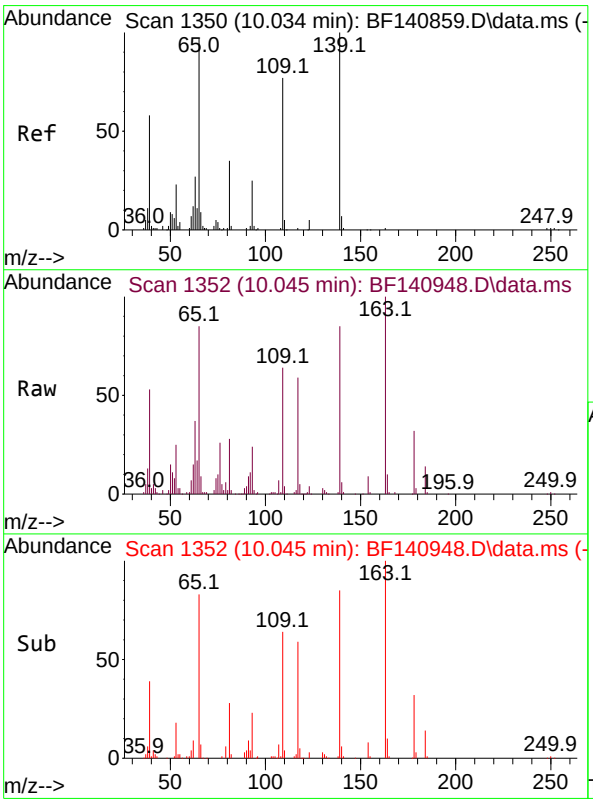
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 31.1 | 46.7 |
| 169 | 13.4 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

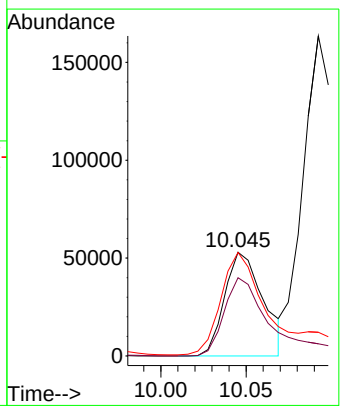
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

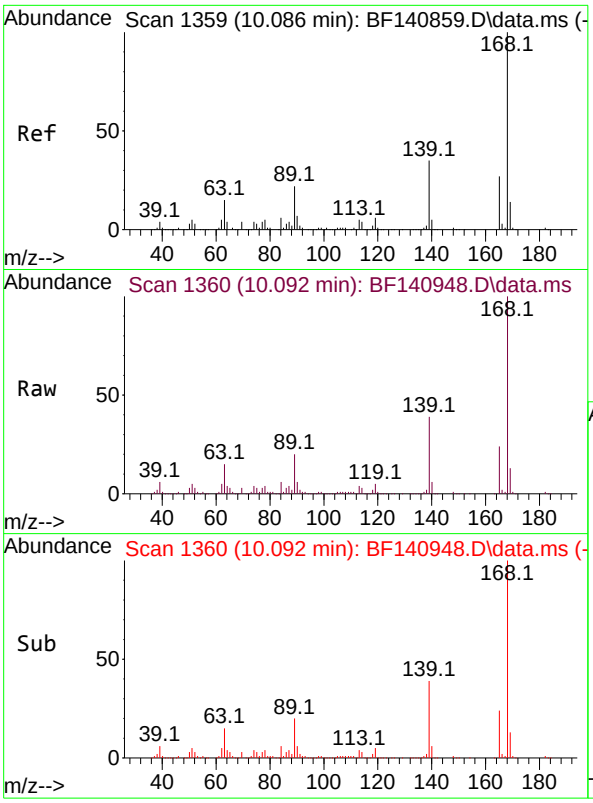



#56
4-Nitrophenol
Concen: 83.625 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:139 Resp: 83327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.4 | 56.7 | 96.7 |
| 65 | 99.8 | 78.1 | 118.1 |

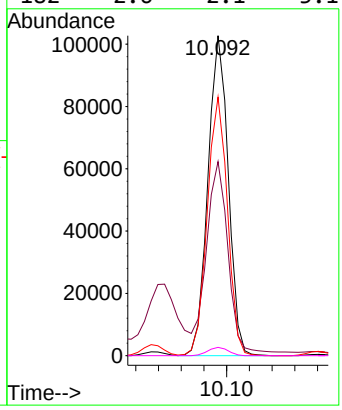





#57
2,4-Dinitrotoluene
Concen: 52.166 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:165 Resp: 12779

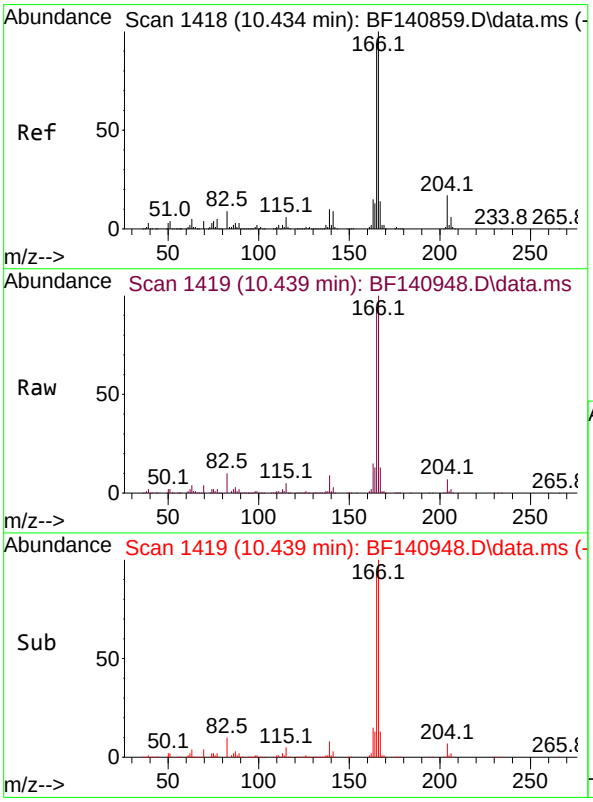
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.7 | 49.3 | 73.9 |
| 89 | 80.8 | 66.2 | 99.4 |
| 182 | 2.6 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

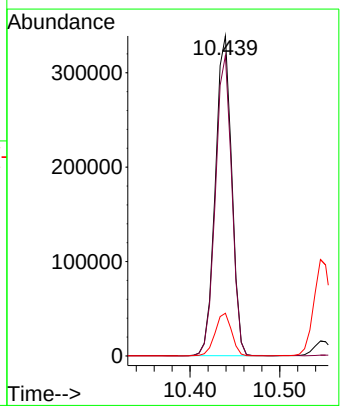
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

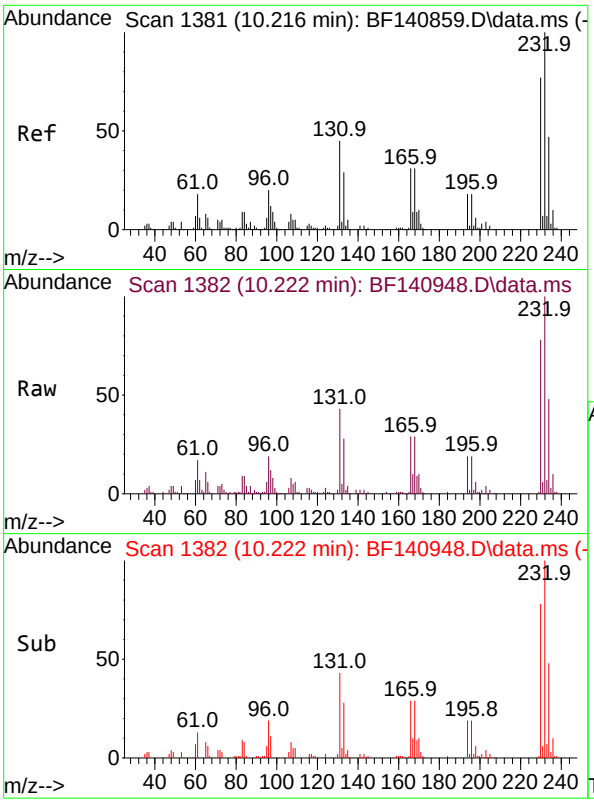



#58
Fluorene
Concen: 50.841 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:166 Resp: 428757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |

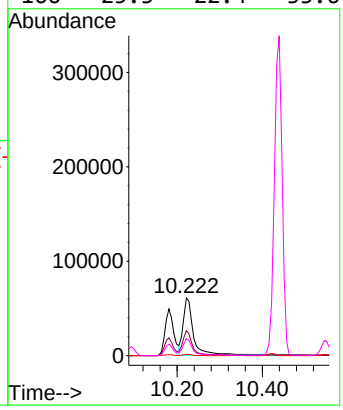





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.272 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

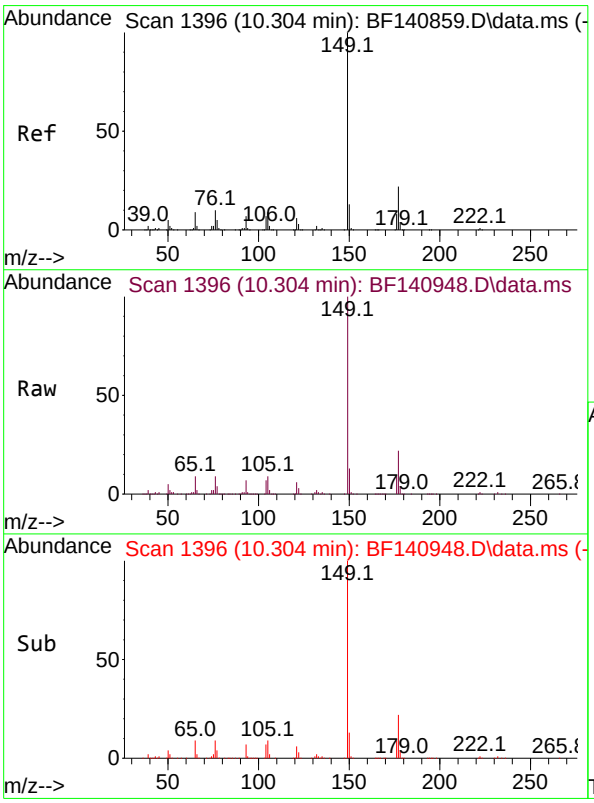
Tgt Ion:232 Resp: 10178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 37.4 | 35.1 | 52.7 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 25.3 | 22.4 | 33.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

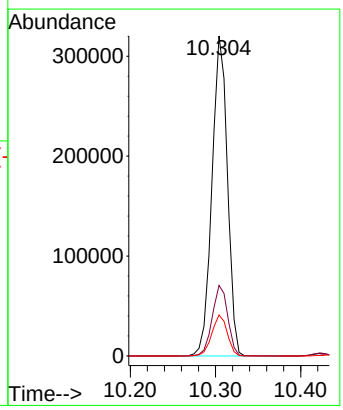
**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

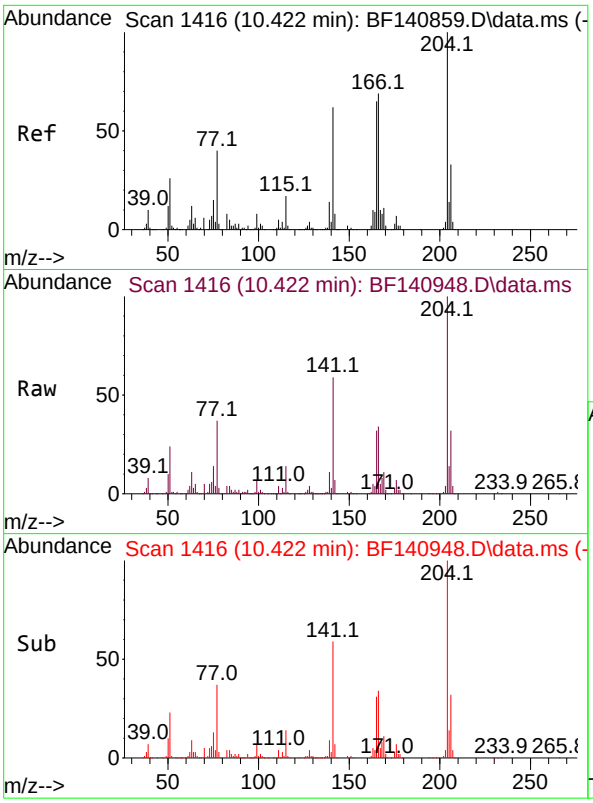



#60
Diethylphthalate
Concen: 47.990 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 405299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.2 | 25.8 |
| 150 | 12.8 | 10.1 | 15.1 |

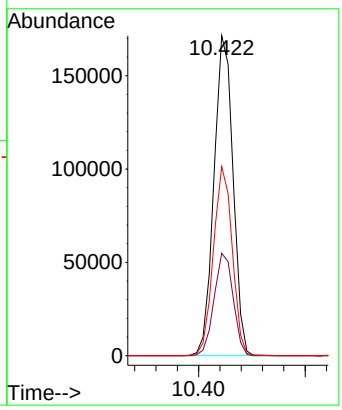





#61
4-Chlorophenyl-phenylether
Concen: 50.243 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:204 Resp: 21284

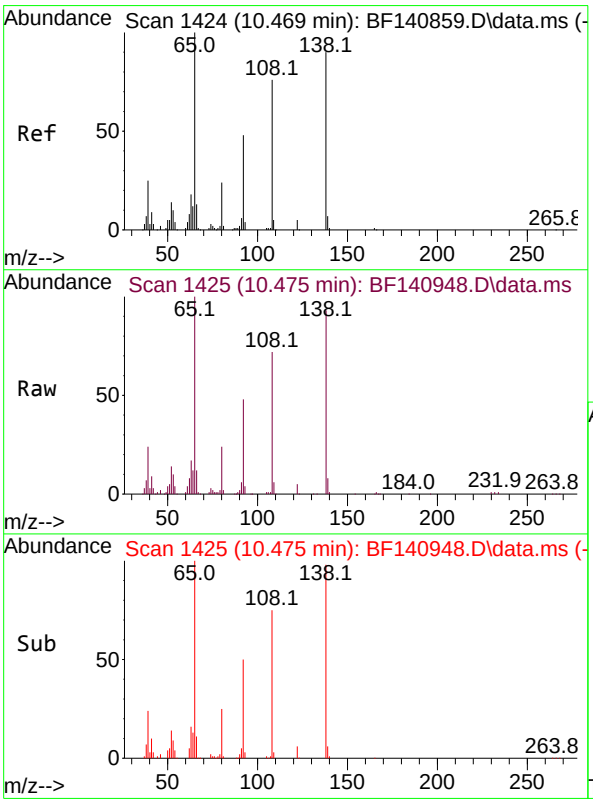
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 26.5 | 39.7 |
| 141 | 59.1 | 50.0 | 75.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

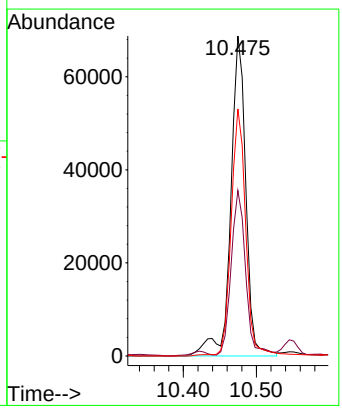
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

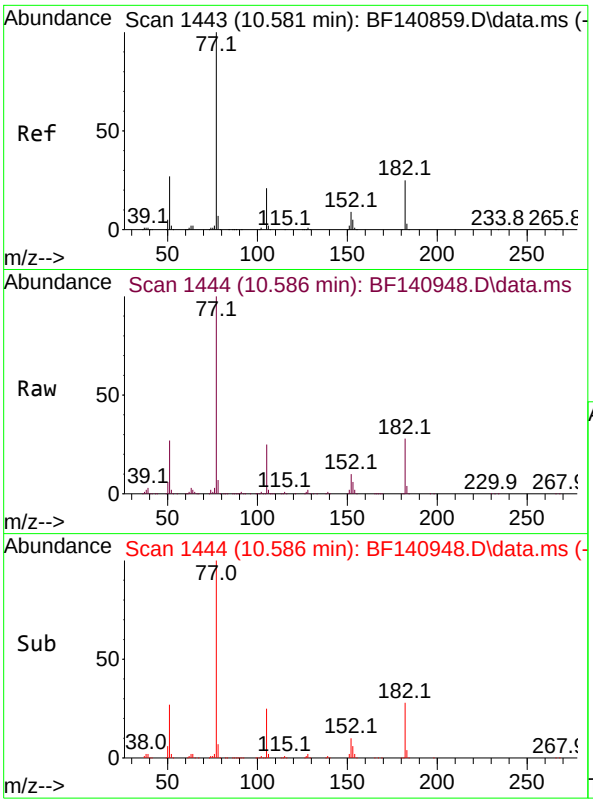



#62
4-Nitroaniline
Concen: 50.949 ng m
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:138 Resp: 98375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.7 | 32.6 | 72.6 |
| 108 | 77.2 | 64.1 | 104.1 |

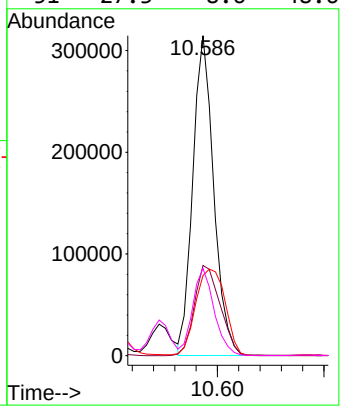





#63
Azobenzene
Concen: 54.056 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 77 Resp: 42919

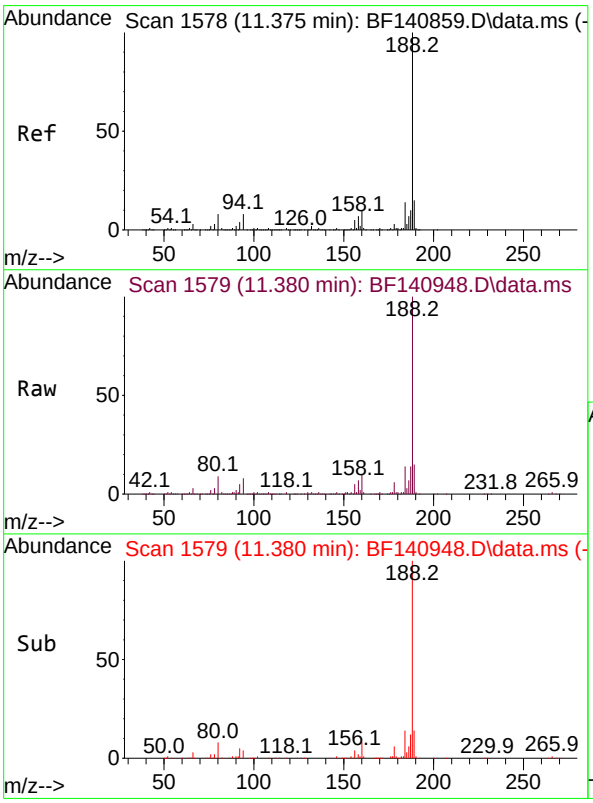
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.2 | 4.5 | 44.5 |
| 105 | 25.0 | 0.9 | 40.9 |
| 51 | 27.3 | 8.6 | 48.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

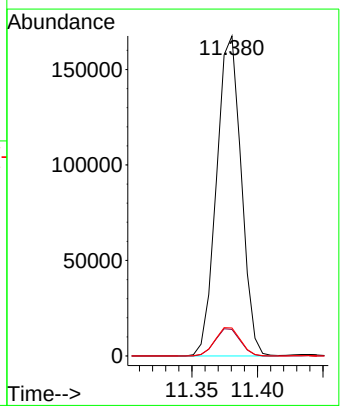
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

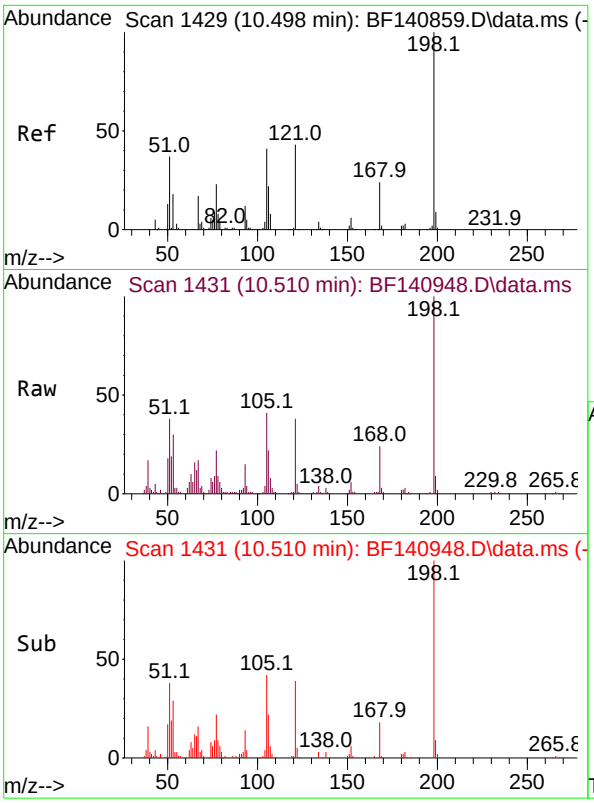



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:188 Resp: 219277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.4 | 9.6 |
| 80 | 8.7 | 6.8 | 10.2 |

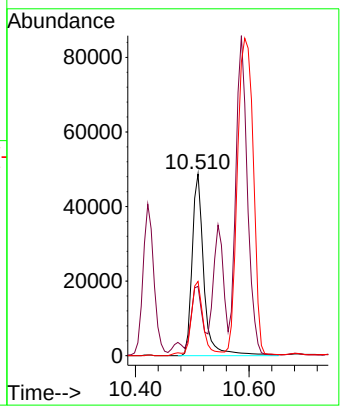





#65
4,6-Dinitro-2-methylphenol
Concen: 56.637 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:198 Resp: 7037

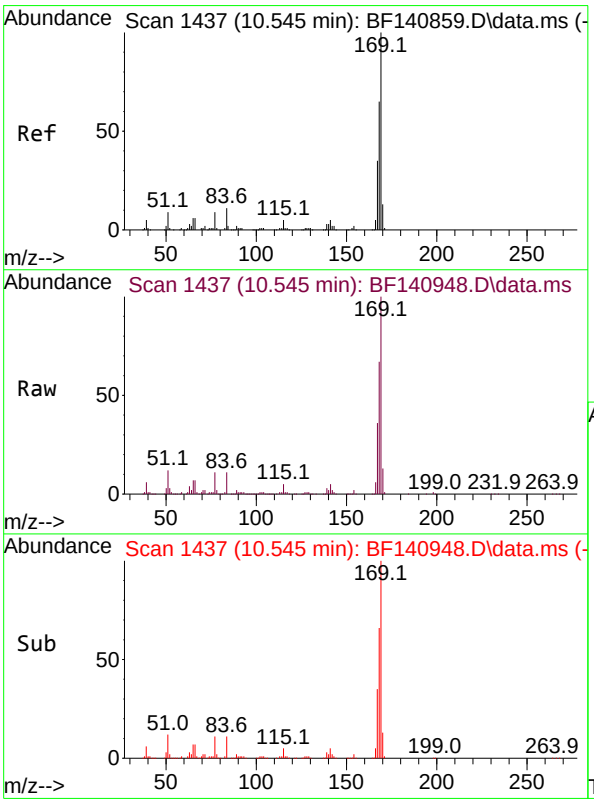
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 38.1 | 24.4 | 64.4 |
| 105 | 40.9 | 22.1 | 62.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

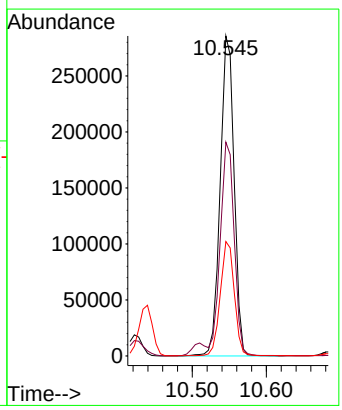
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

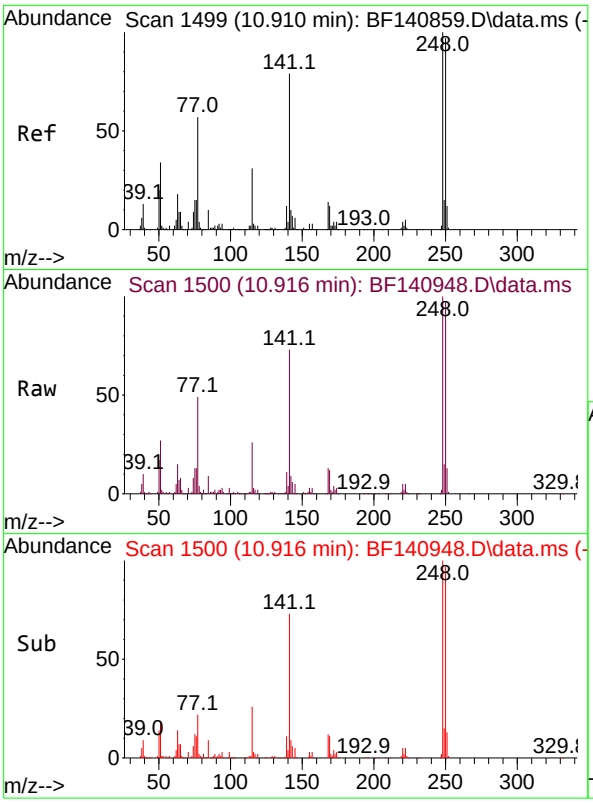



#66
n-Nitrosodiphenylamine
Concen: 55.234 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:169 Resp: 372378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.4 | 80.0 |
| 167 | 35.7 | 28.3 | 42.5 |

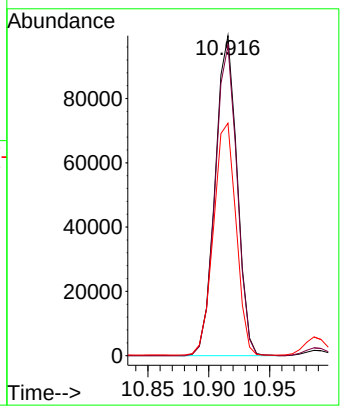





#67
4-Bromophenyl-phenylether
Concen: 50.908 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

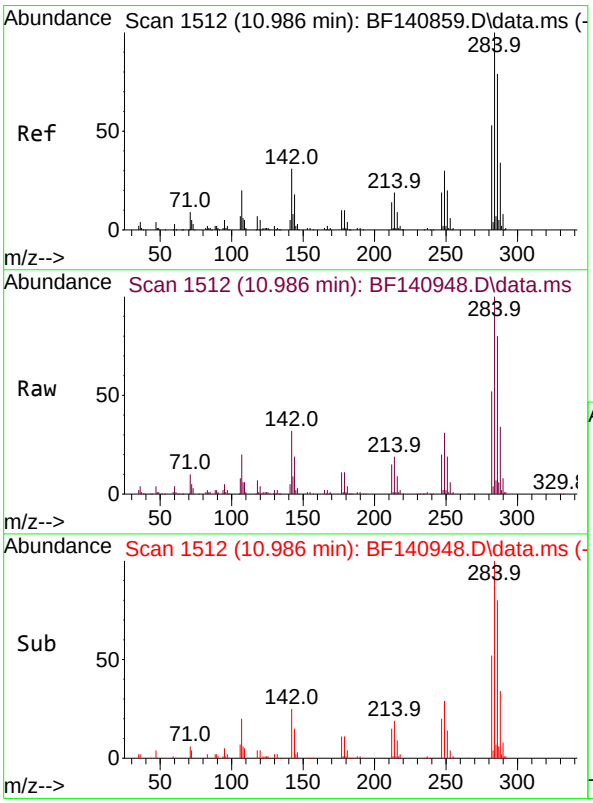
Tgt Ion:248 Resp: 12488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.4 | 116.2 |
| 141 | 72.6 | 62.9 | 94.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

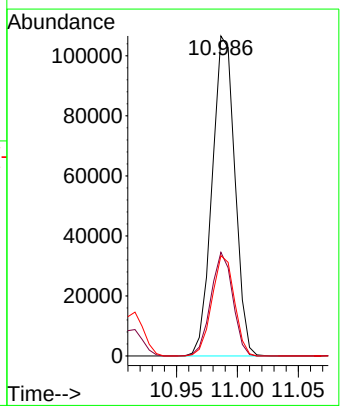
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

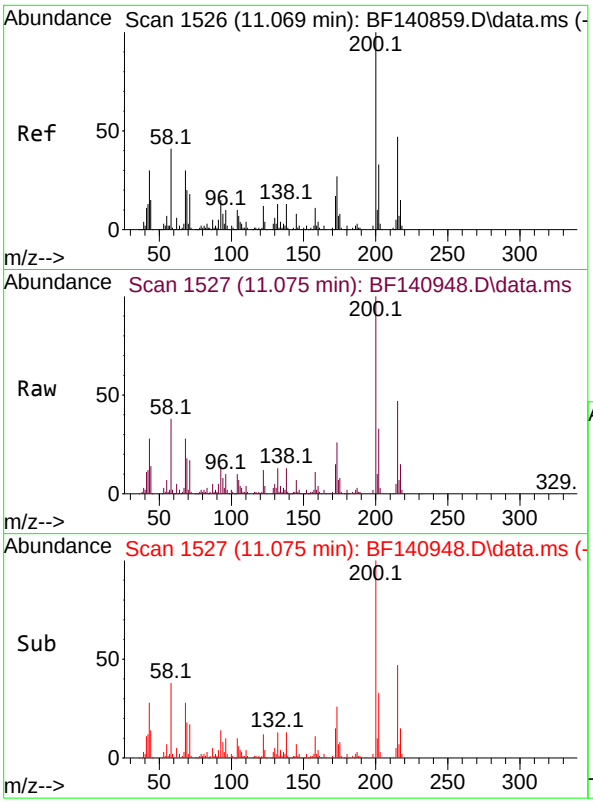



#68
Hexachlorobenzene
Concen: 49.700 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:284 Resp: 138231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 24.6 | 36.8 |
| 249 | 31.3 | 24.3 | 36.5 |

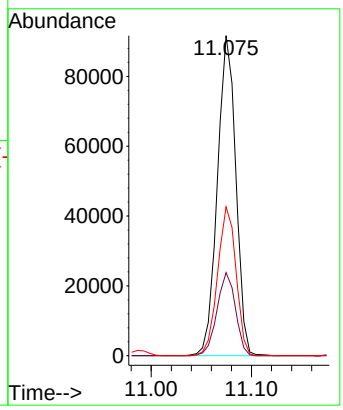





#69
Atrazine
Concen: 62.062 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

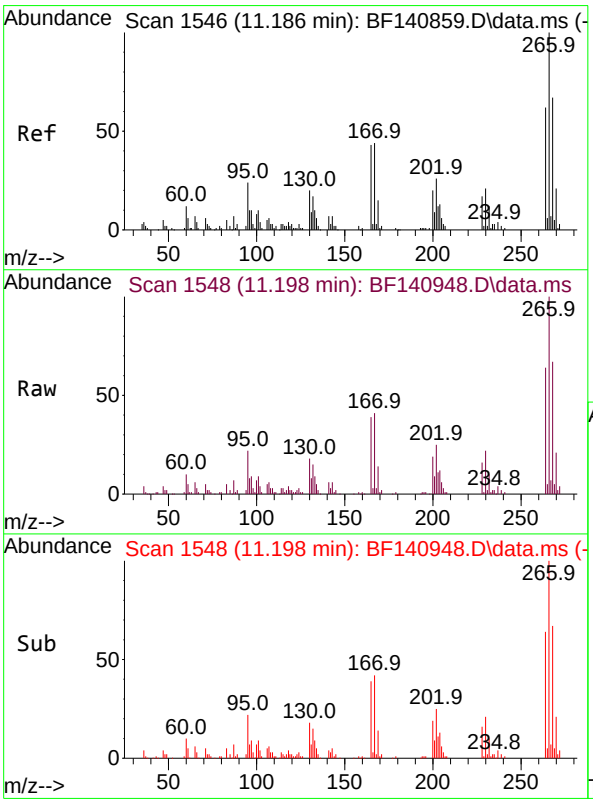
Tgt Ion:200 Resp: 11685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 6.6 | 46.6 |
| 215 | 46.5 | 26.7 | 66.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

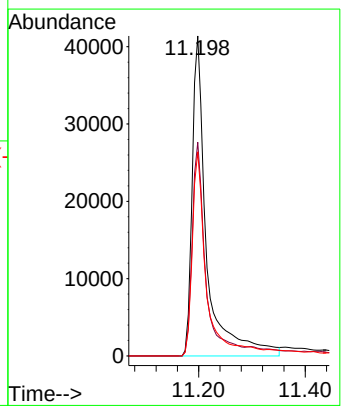
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

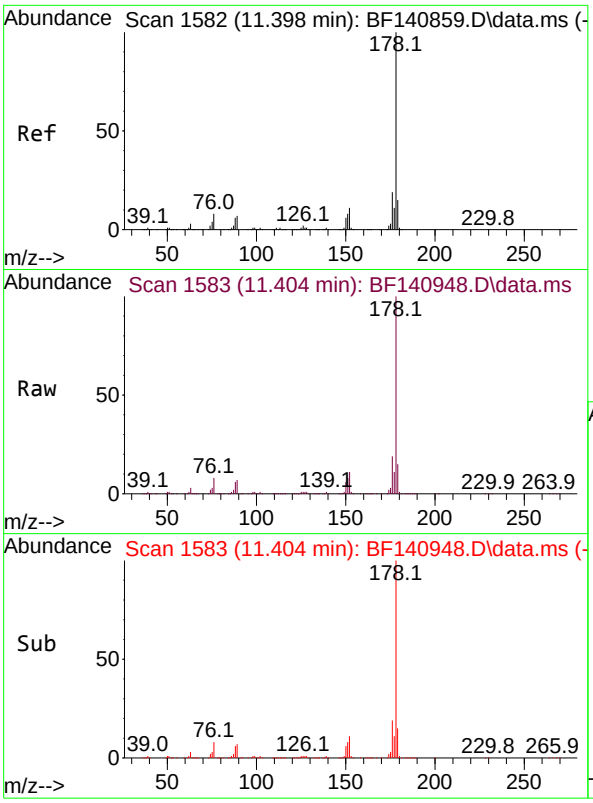



#70
Pentachlorophenol
Concen: 77.662 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:266 Resp: 78972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.8 | 54.0 | 81.0 |
| 264 | 63.8 | 49.4 | 74.2 |

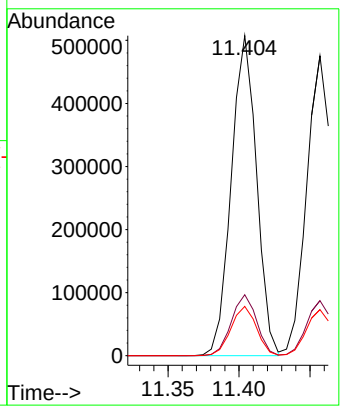





#71
Phenanthrene
Concen: 55.721 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:178 Resp: 62831

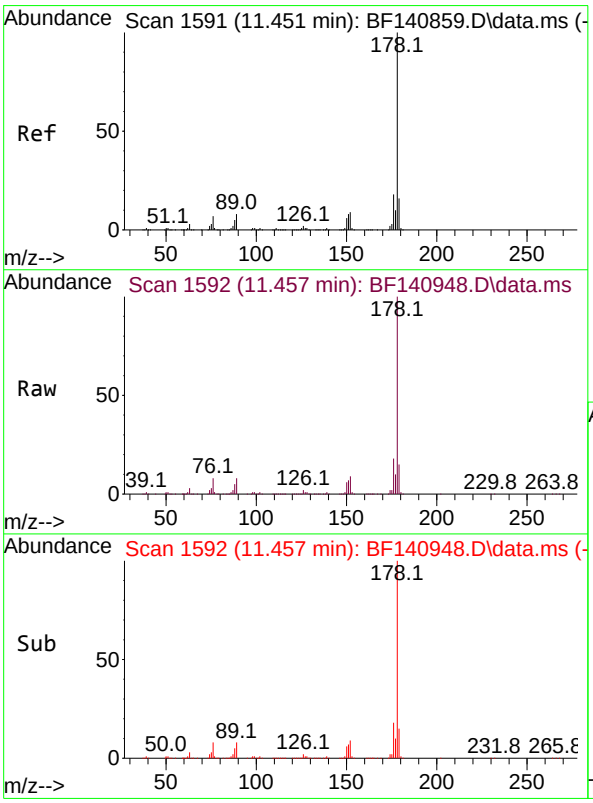
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 15.4 | 12.1 | 18.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

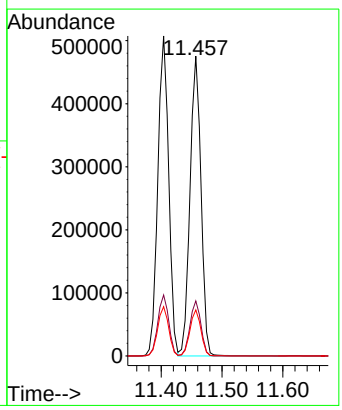
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

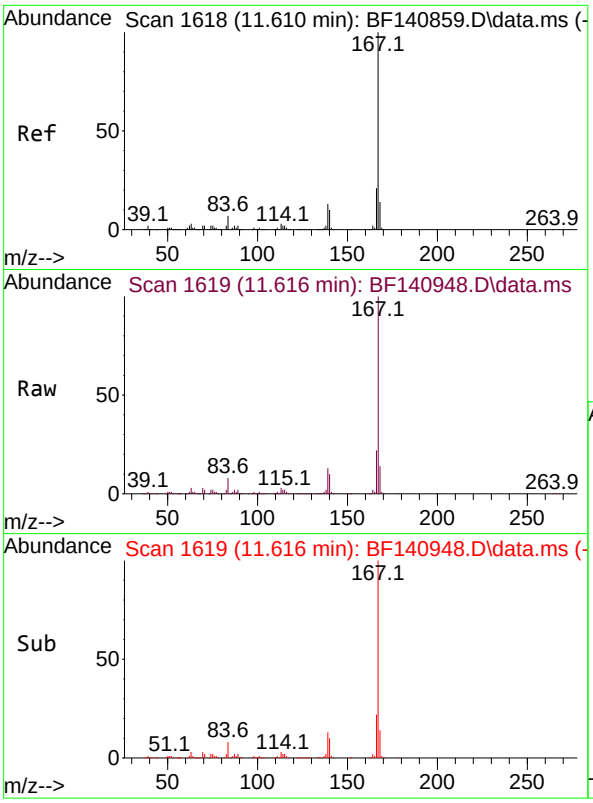



#72
Anthracene
Concen: 53.762 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:178 Resp: 597017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |

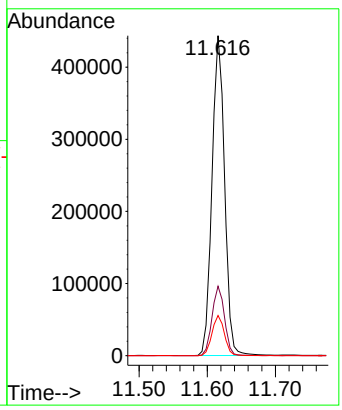





#73
Carbazole
Concen: 52.355 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

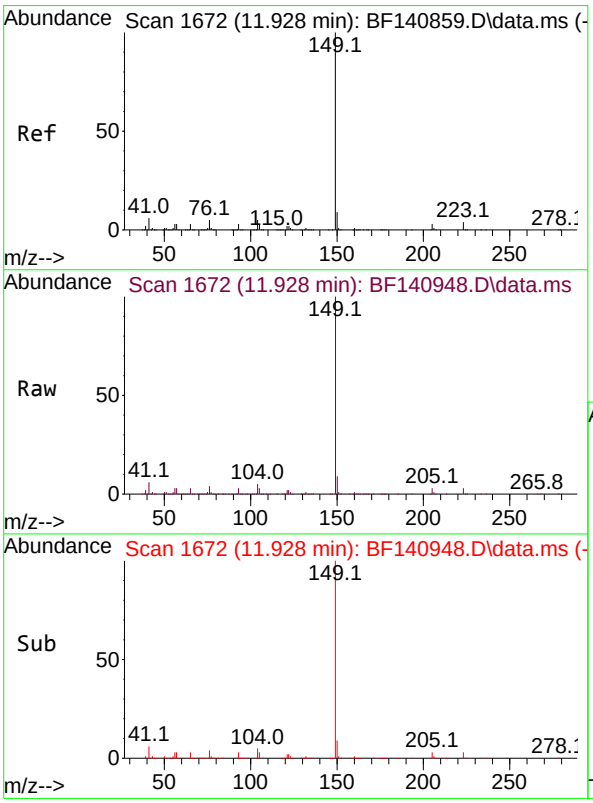
Tgt Ion:167 Resp: 56946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.0 | 25.6 |
| 139 | 12.5 | 10.2 | 15.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

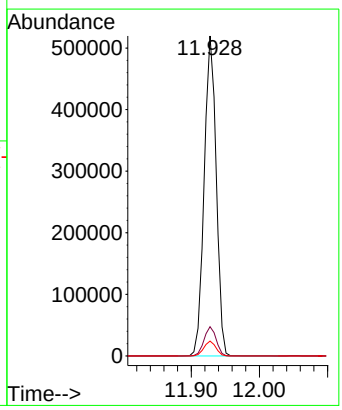
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

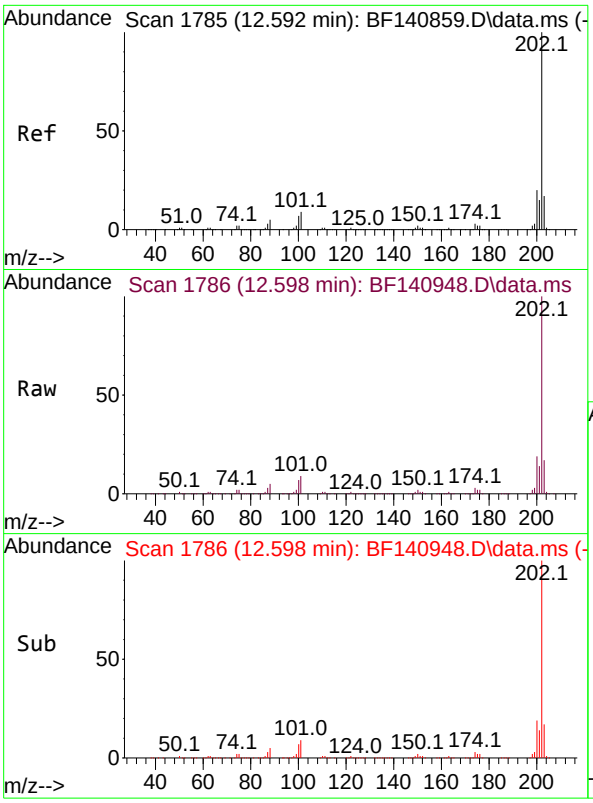



#74
Di-n-butylphthalate
Concen: 49.999 ng
RT: 11.928 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 638255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |






#75
Fluoranthene
Concen: 49.060 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

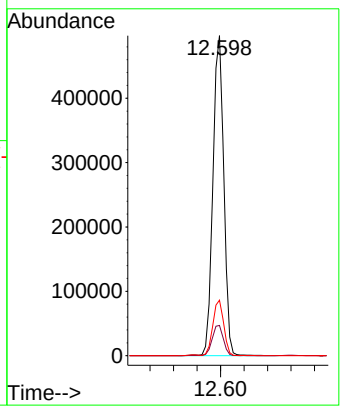
Tgt Ion:202 Resp: 63710

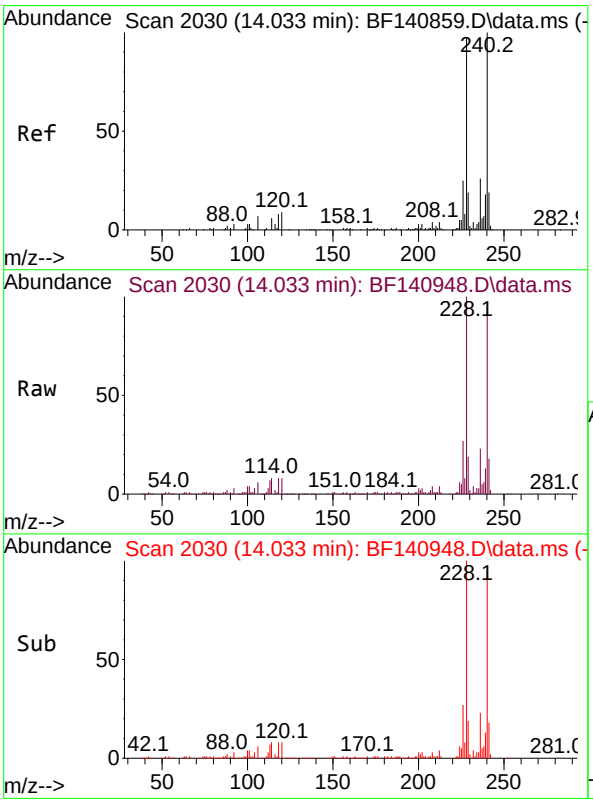
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 29.3 |
| 203 | 17.4 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

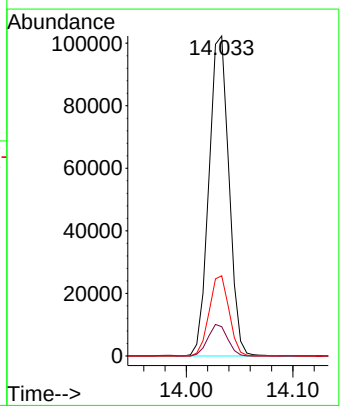


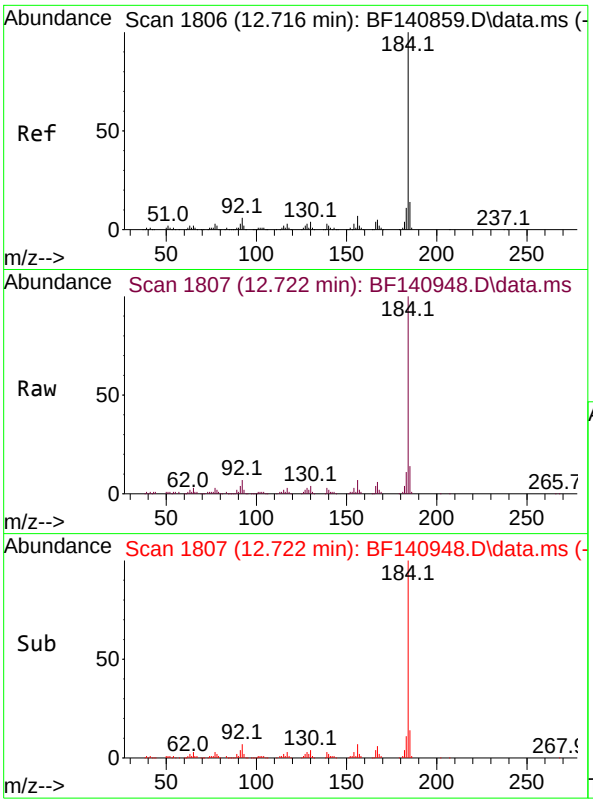




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:240 Resp: 133308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.6 | 11.4 |
| 236 | 25.1 | 20.5 | 30.7 |






#77
Benzidine
Concen: 46.021 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

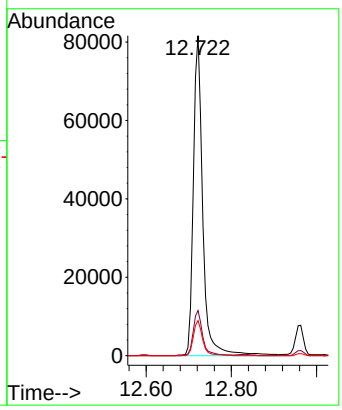
Tgt Ion:184 Resp: 12521

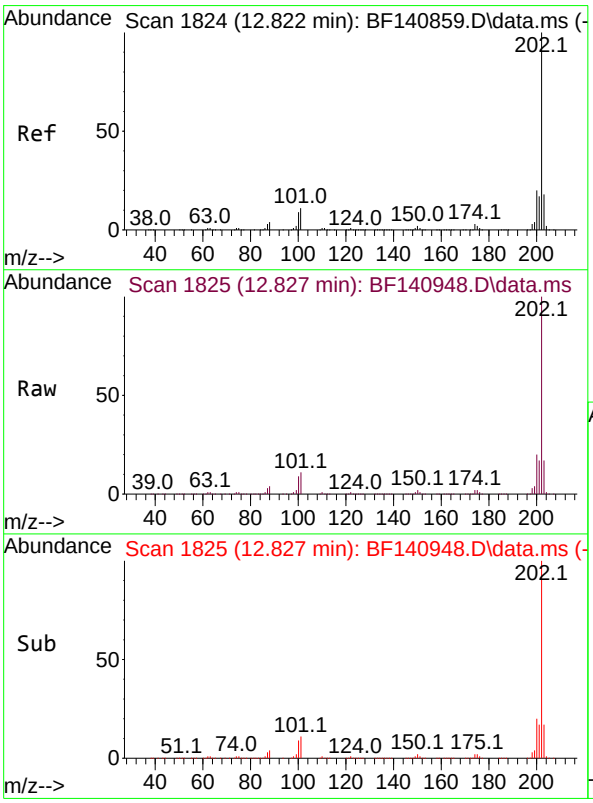
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

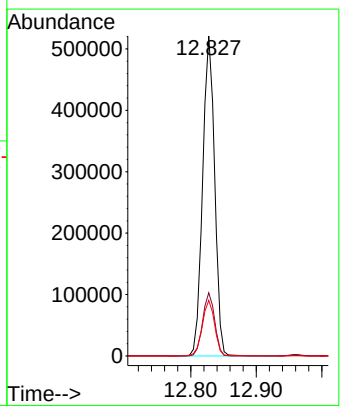


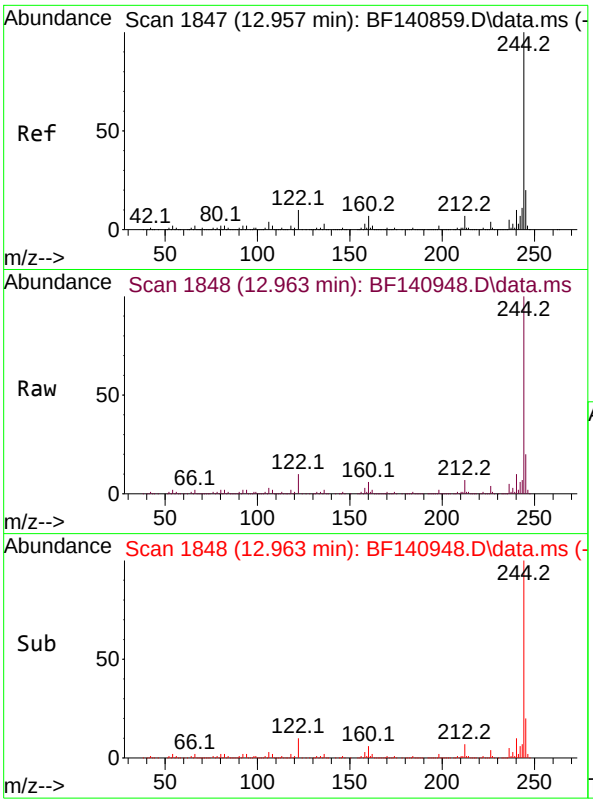




#78
Pyrene
Concen: 56.171 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:202 Resp: 665883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 16.1 | 24.1 |
| 203 | 17.4 | 14.2 | 21.4 |

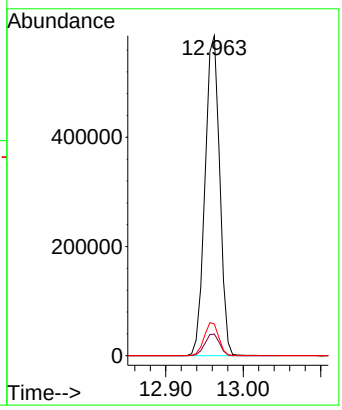





#79
Terphenyl-d14
Concen: 91.048 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:244 Resp: 76972

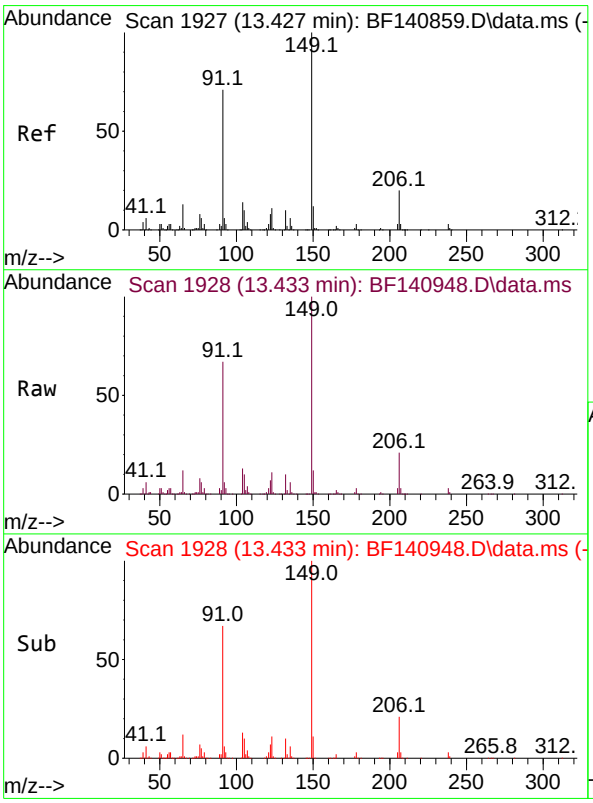
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 9.9 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

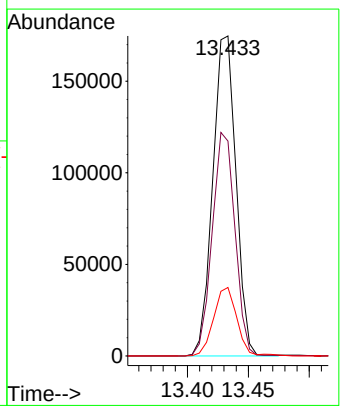
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

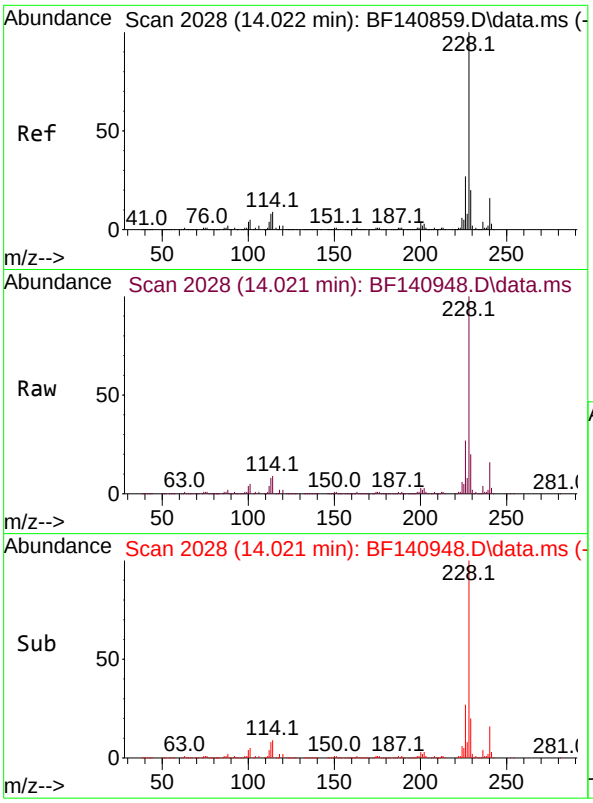



#80
Butylbenzylphthalate
Concen: 53.133 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 231762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.1 | 56.7 | 85.1 |
| 206 | 21.4 | 16.4 | 24.6 |

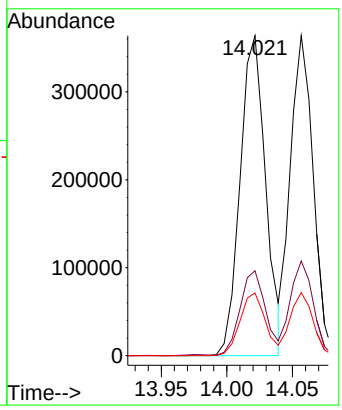





#81
Benzo(a)anthracene
Concen: 52.168 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

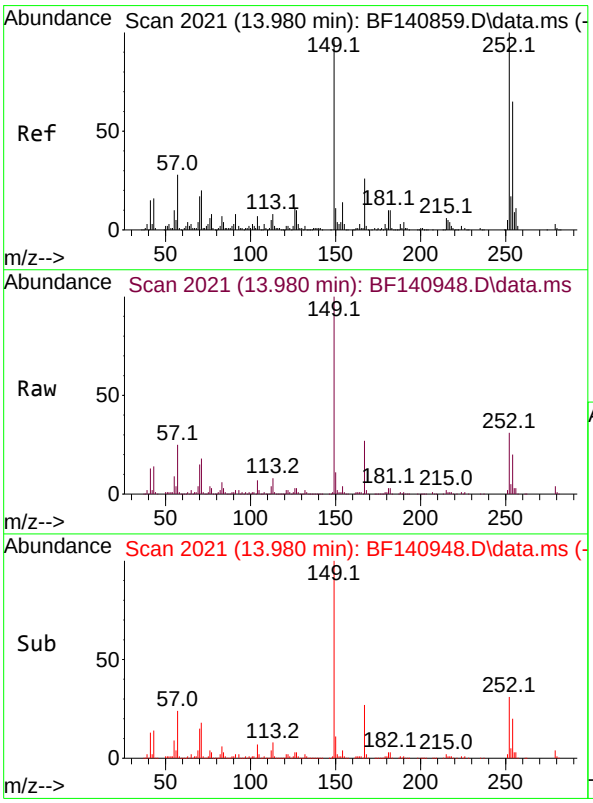
Tgt Ion:228 Resp: 49288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

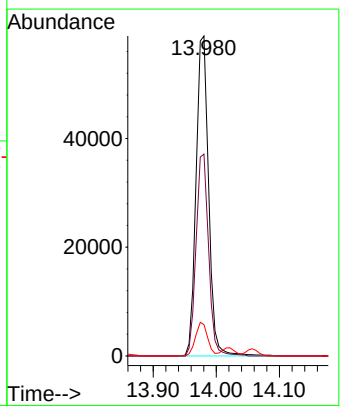
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

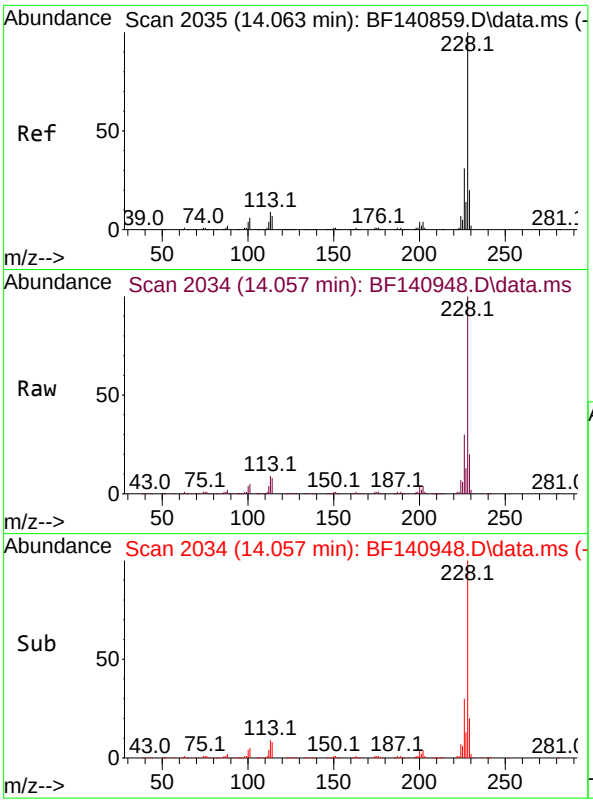



#82
3,3'-Dichlorobenzidine
Concen: 28.561 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 81414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.3 | 78.5 |
| 126 | 9.8 | 8.4 | 12.6 |

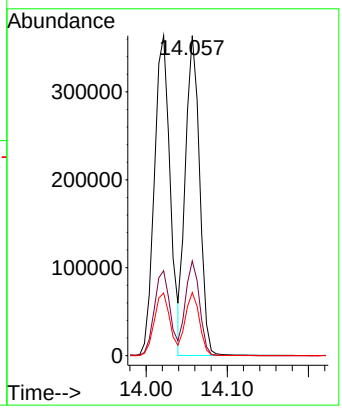





#83
Chrysene
Concen: 51.436 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:228 Resp: 44190

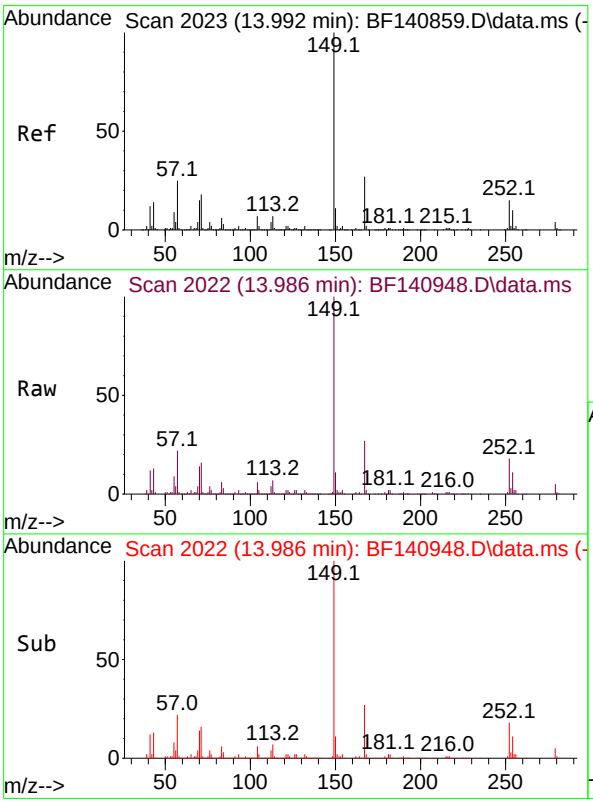
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.1 | 36.1 |
| 229 | 19.7 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

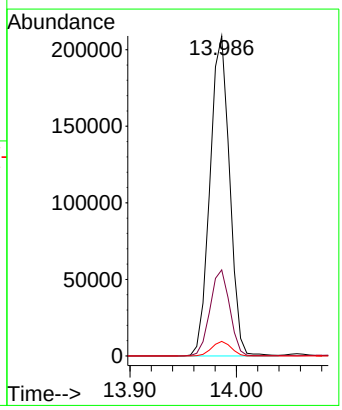
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

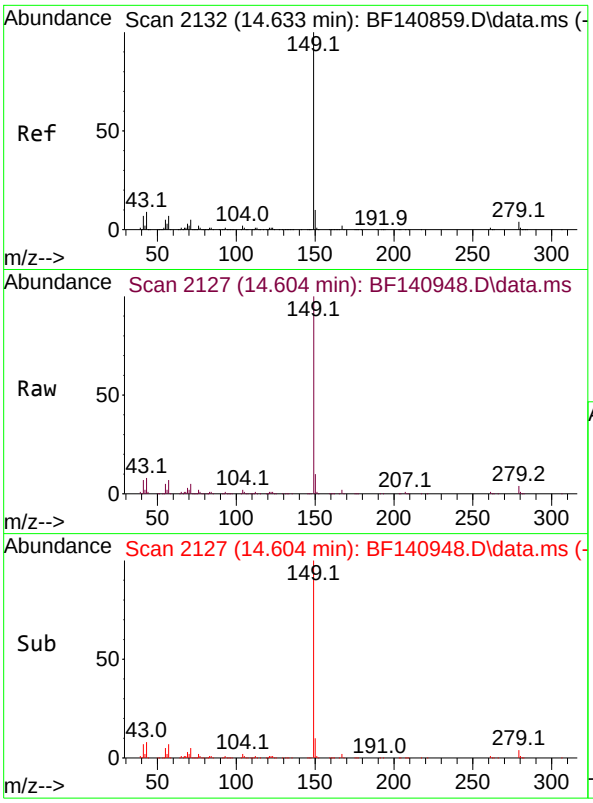



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.624 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 267856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.8 | 32.8 |
| 279 | 4.5 | 3.5 | 5.3 |

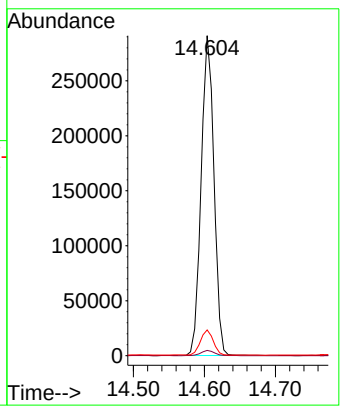





#85
Di-n-octyl phthalate
Concen: 42.906 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 36509

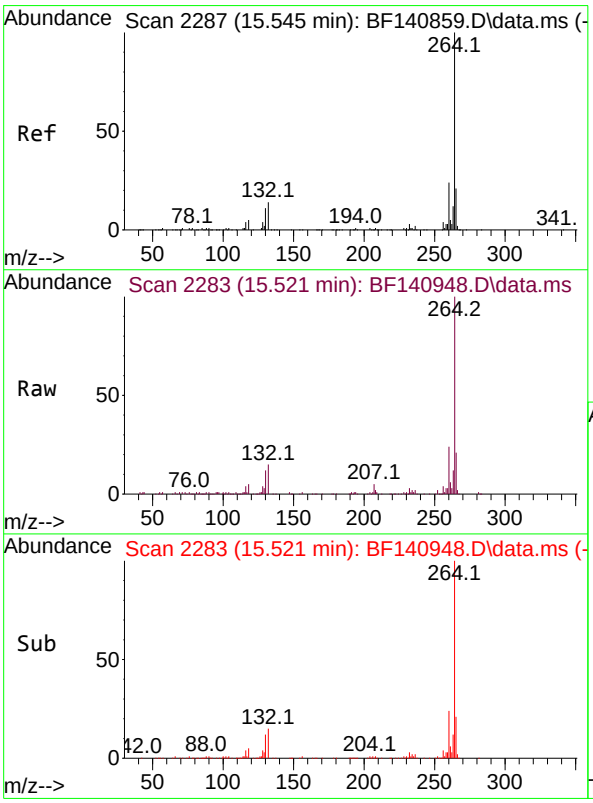
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.8 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

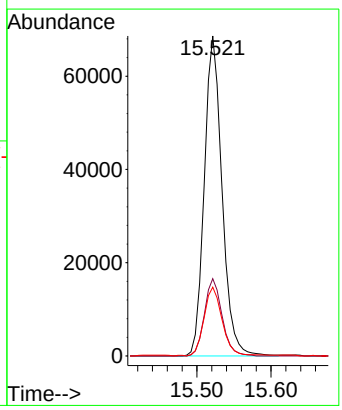
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

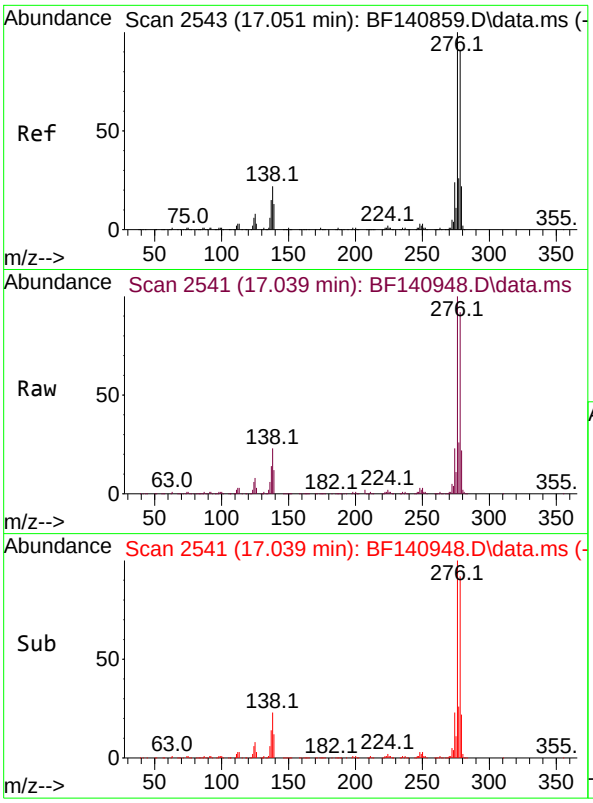



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:264 Resp: 114231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.1 | 28.7 |
| 265 | 21.5 | 17.0 | 25.4 |

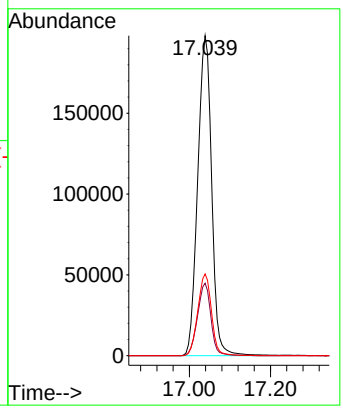





#87
Indeno(1,2,3-cd)pyrene
Concen: 66.539 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:276 Resp: 47431

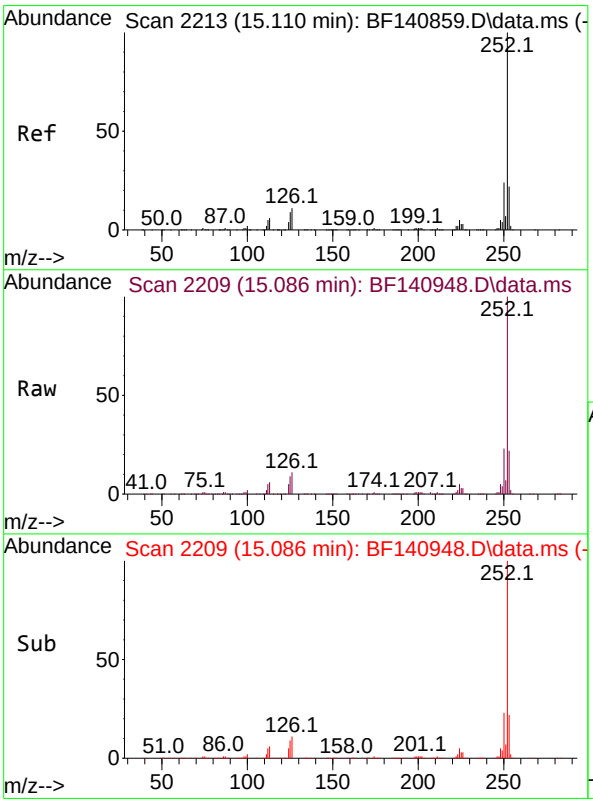
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.7 | 16.9 | 25.3 |
| 277 | 25.0 | 20.2 | 30.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

**Manual Integrations**
**APPROVED**

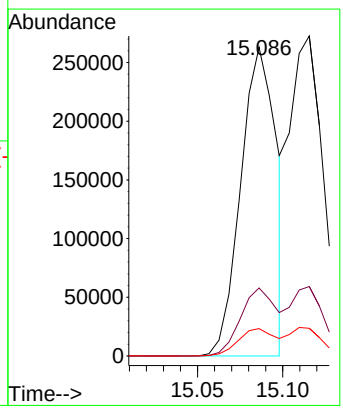
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

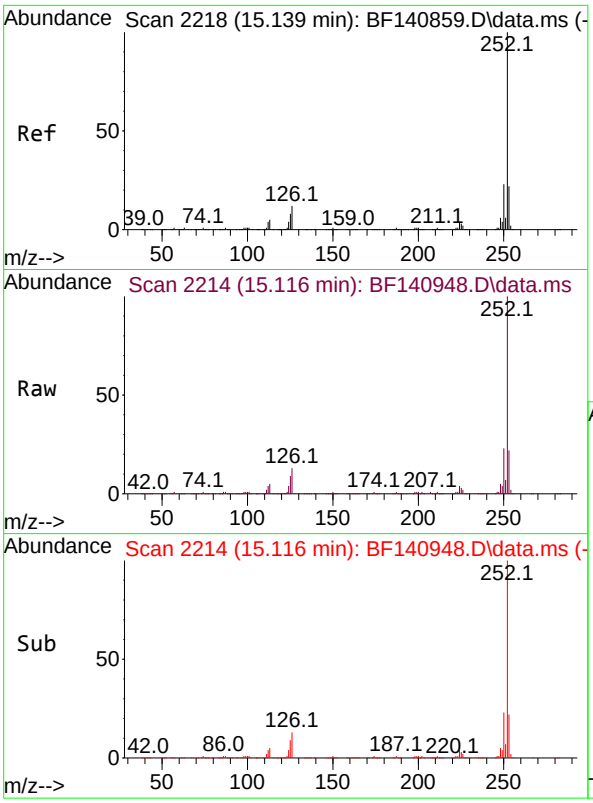



#88
Benzo(b)fluoranthene
Concen: 48.060 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 381086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |

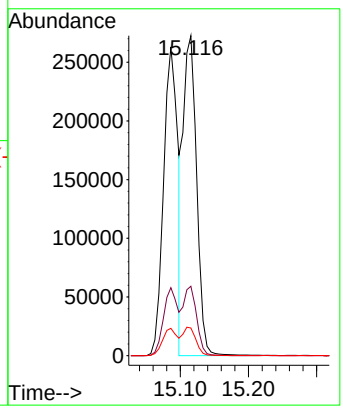





#89
Benzo(k)fluoranthene
Concen: 54.968 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

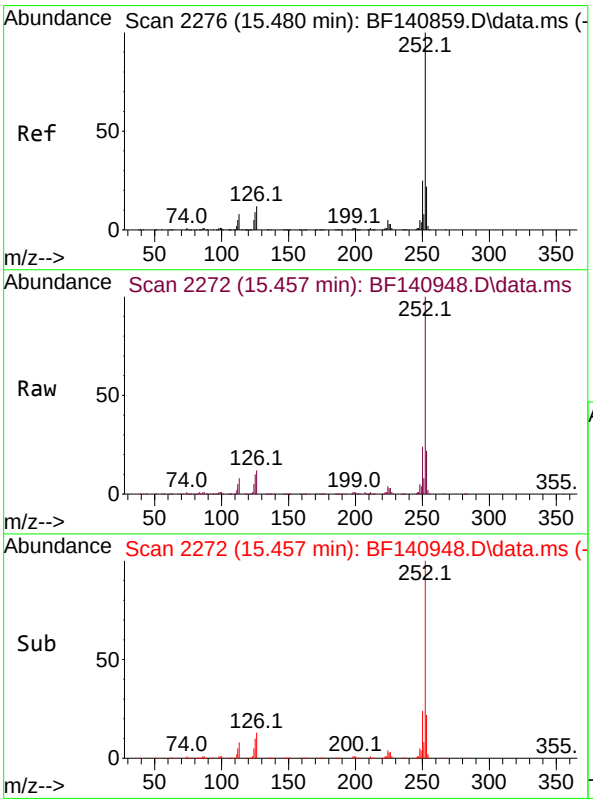
Tgt Ion:252 Resp: 373879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 8.7 | 6.8 | 10.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

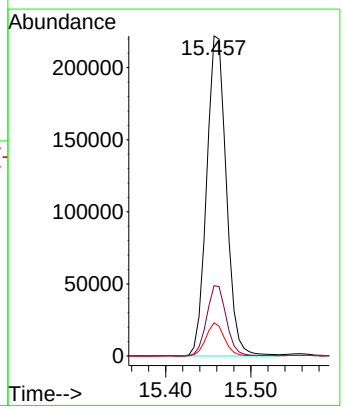
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

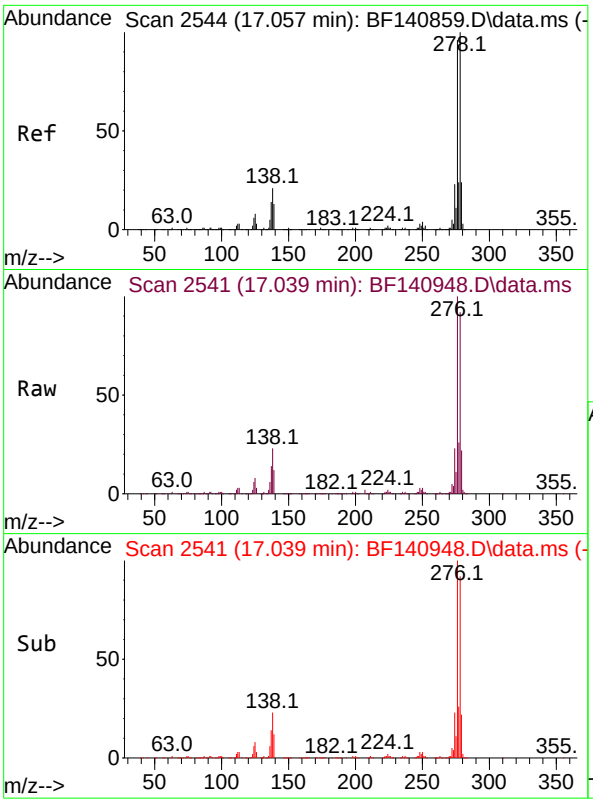



#90
Benzo(a)pyrene
Concen: 57.316 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 355872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 10.3 | 7.5 | 11.3 |

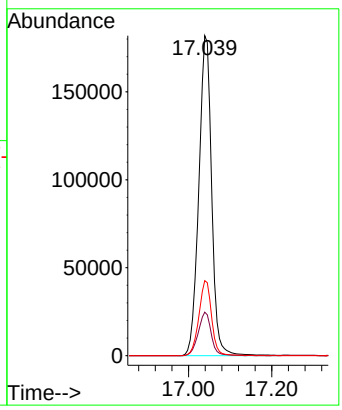





#91
Dibenzo(a,h)anthracene
Concen: 66.055 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

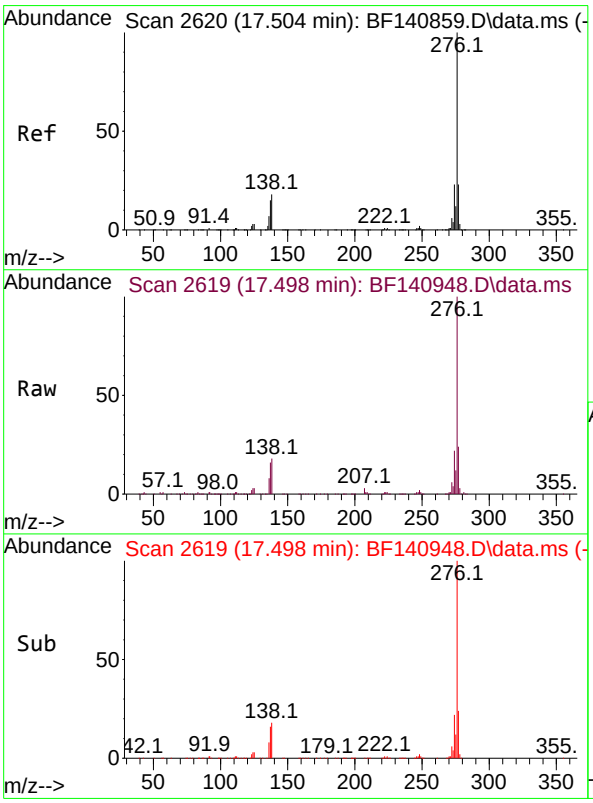
Tgt Ion:278 Resp: 39009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.6 | 10.6 | 16.0 |
| 279 | 23.5 | 19.2 | 28.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

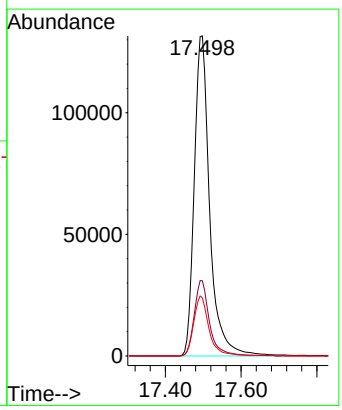
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024




#92
Benzo(g,h,i)perylene
Concen: 62.119 ng
RT: 17.498 min Scan# 2619
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:276 Resp: 373367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.7 | 28.1 |
| 138 | 18.1 | 14.2 | 21.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/12/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | OU4-VSL-11-121224MSD | SDG No.: | P5316 |
| Lab Sample ID: | P5306-09MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.6 |
| Sample Wt/Vol: | 30.08 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140949.D | 1 | 12/18/24 08:56 | 12/20/24 14:36 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 108-95-2 | Phenol | 2100 | | 88.3 | 140 | 180 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 2000 | | 85.9 | 140 | 180 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 2000 | | 85.0 | 290 | 350 | ug/Kg |
| 91-20-3 | Naphthalene | 1900 | | 88.0 | 140 | 180 | ug/Kg |
| 208-96-8 | Acenaphthylene | 2100 | | 92.2 | 140 | 180 | ug/Kg |
| 83-32-9 | Acenaphthene | 2000 | | 86.4 | 140 | 180 | ug/Kg |
| 86-73-7 | Fluorene | 1900 | | 91.1 | 140 | 180 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3000 | E | 82.4 | 290 | 350 | ug/Kg |
| 120-12-7 | Anthracene | 2200 | | 89.9 | 140 | 180 | ug/Kg |
| 206-44-0 | Fluoranthene | 2000 | | 87.1 | 140 | 180 | ug/Kg |
| 129-00-0 | Pyrene | 2000 | | 88.4 | 140 | 180 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1900 | | 86.0 | 140 | 180 | ug/Kg |
| 218-01-9 | Chrysene | 1900 | | 84.7 | 140 | 180 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1900 | | 86.4 | 140 | 180 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 2000 | | 88.0 | 140 | 180 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2100 | | 99.1 | 140 | 180 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 2400 | | 83.2 | 140 | 180 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 2400 | | 86.5 | 140 | 180 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 2200 | | 85.3 | 140 | 180 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 142 | | 35 - 115 | | 95% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 140 | | 34 - 127 | | 94% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 89.7 | | 37 - 122 | | 90% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 86.8 | | 44 - 115 | | 87% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 39 - 132 | | 90% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 92.3 | | 54 - 127 | | 92% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 45900 | 6.851 | | | | |
| 1146-65-2 | Naphthalene-d8 | 176000 | 8.128 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 12/12/24 |
| Project: | CTO WE13 | Date Received: | 12/17/24 |
| Client Sample ID: | OU4-VSL-11-121224MSD | SDG No.: | P5316 |
| Lab Sample ID: | P5306-09MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.6 |
| Sample Wt/Vol: | 30.08 Units: g | 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 : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF140949.D | 1 | 12/18/24 08:56 | 12/20/24 14:36 | PB165705 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 15067-26-2 | Acenaphthene-d10 | 102000 | 9.886 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 188000 | 11.38 | | | | |
| 1719-03-5 | Chrysene-d12 | 131000 | 14.045 | | | | |
| 1520-96-3 | Perylene-d12 | 114000 | 15.562 | | | | |

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\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 45949 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 175670 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 102157 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 188148 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 131096 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 15.562 | 264 | 113765 | 20.000 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 397303 | 142.339 | ng | | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 518890 | 140.353 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 315005 | 89.714 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 162262 | 134.298 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 644674 | 86.762 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 767138 | 92.274 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 57585 | 47.896 | ng | | 98 |
| 3) Pyridine | 3.481 | 79 | 136795 | 49.130 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.434 | 42 | 71728 | 51.102 | ng | | 96 |
| 6) Aniline | 6.516 | 93 | 130848 | 41.394 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.645 | 128 | 172137 | 56.552 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 33958 | 16.577 | ng | | 99 |
| 10) Phenol | 6.516 | 94 | 224652 | 58.630 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 152512 | 53.372 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 181700 | 52.387 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 185568 | 52.708 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 176510 | 53.137 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 151766 | 57.414 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 177636 | 52.770 | ng | | 91 |
| 17) 2-Methylphenol | 7.122 | 107 | 138692 | 57.071 | ng | | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 66118 | 50.446 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 119168 | 53.736 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 185300 | 57.503 | ng | # | 82 |
| 22) Acetophenone | 7.263 | 105 | 241328 | 54.917 | ng | | 94 |
| 24) Nitrobenzene | 7.439 | 77 | 180083 | 50.063 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 314395 | 53.439 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 94485 | 57.032 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 127969 | 66.141 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 188944 | 51.420 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 149408 | 55.934 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 153263 | 50.051 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 517245 | 53.602 | ng | | 99 |
| 32) Benzoic acid | 7.945 | 122 | 71840 | 39.151 | ng | | 97 |
| 33) 4-Chloroaniline | 8.210 | 127 | 70709 | 22.062 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 100776 | 48.916 | ng | | 100 |
| 35) Caprolactam | 8.592 | 113 | 46987m | 59.086 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 163449 | 54.366 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 343391 | 53.795 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 318541 | 50.458 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 169136 | 53.866 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 31402 | 41.662 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 102644 | 53.386 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 107412 | 50.828 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 433578 | 53.374 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 319959 | 51.486 | ng | 98 |
| 48) 2-Nitroaniline | 9.439 | 65 | 100764 | 53.688 | ng | 94 |
| 49) Acenaphthylene | 9.751 | 152 | 529169 | 57.943 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 378063 | 52.492 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 84402 | 51.261 | ng | 95 |
| 52) Acenaphthene | 9.922 | 154 | 324577 | 55.638 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 49243 | 30.137 | ng | 93 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 79873 | 97.834 | ng | 93 |
| 55) Dibenzofuran | 10.092 | 168 | 493268 | 54.567 | ng | 100 |
| 56) 4-Nitrophenol | 10.045 | 139 | 72978 | 82.863 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 113633 | 52.453 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 397342 | 53.279 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 97009 | 56.336 | ng | 91 |
| 60) Diethylphthalate | 10.304 | 149 | 376001 | 50.345 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 193903 | 51.761 | ng | 98 |
| 62) 4-Nitroaniline | 10.474 | 138 | 88397m | 51.770 | ng | |
| 63) Azobenzene | 10.586 | 77 | 404359 | 57.590 | ng | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 64685 | 60.672 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 341229 | 58.988 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 117531 | 55.838 | ng | 96 |
| 68) Hexachlorobenzene | 10.992 | 284 | 133215 | 55.821 | ng | 98 |
| 69) Atrazine | 11.074 | 200 | 111739 | 69.163 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 74523 | 85.412 | ng | 98 |
| 71) Phenanthrene | 11.404 | 178 | 569035 | 58.813 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 585440 | 61.442 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 541131 | 57.981 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 577959 | 52.767 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 628778 | 56.429 | ng | 100 |
| 77) Benzidine | 12.721 | 184 | 132623 | 49.567 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 642867 | 55.145 | ng | 100 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 231266 | 53.914 | ng | 97 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 508709 | 54.752 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 84711 | 30.219 | ng | 98 |
| 83) Chrysene | 14.068 | 228 | 458342 | 54.249 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149 | 277592 | 50.188 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 383542 | 45.836 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.086 | 276 | 486592 | 68.540 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.127 | 252 | 420442 | 53.241 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.151 | 252 | 378547 | 55.882 | ng | 100 |
| 90) Benzo(a)pyrene | 15.504 | 252 | 372093 | 60.174 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.092 | 278 | 395812 | 67.298 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.545 | 276 | 366040 | 61.149 | ng | 99 |

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

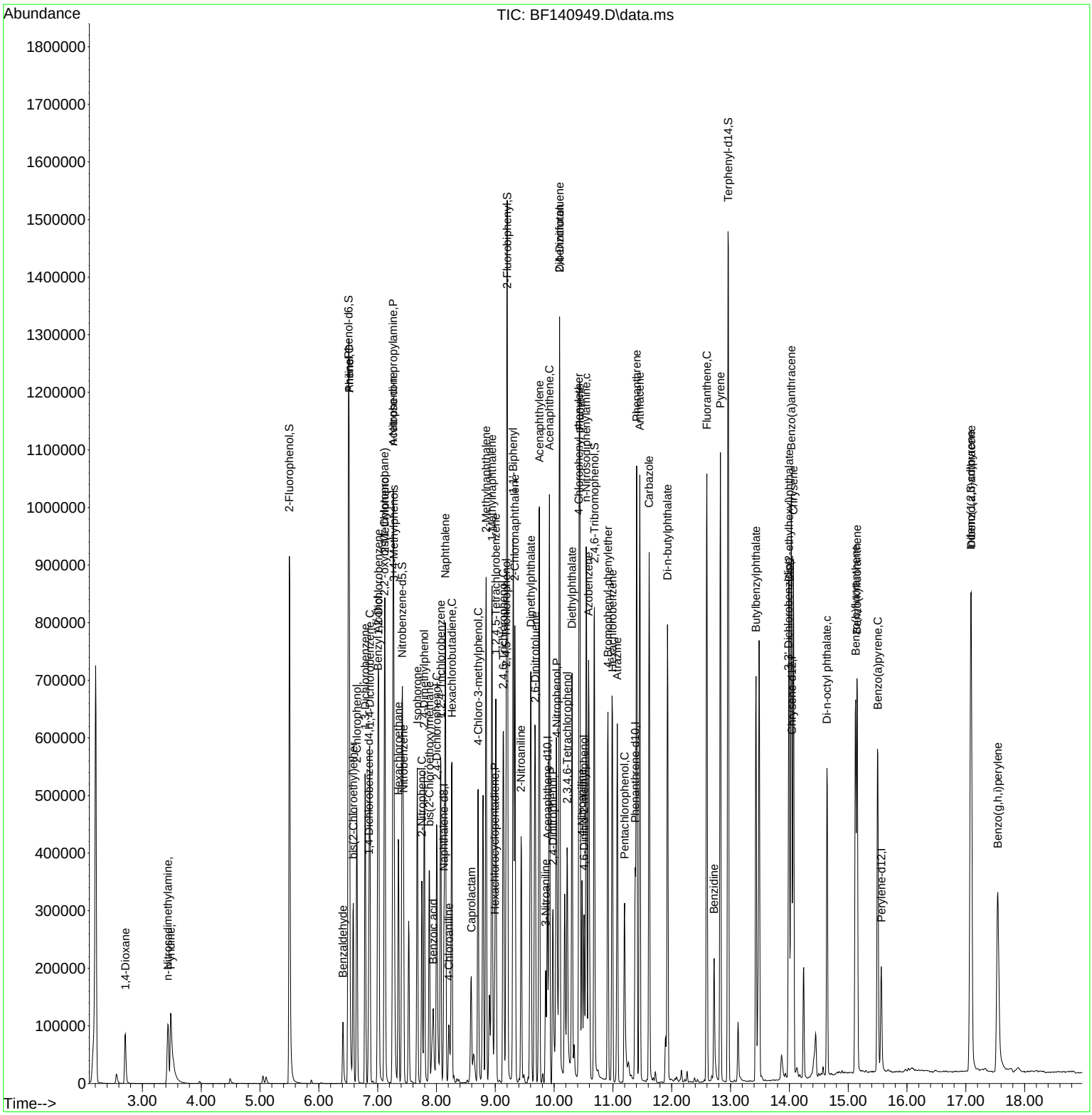
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Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

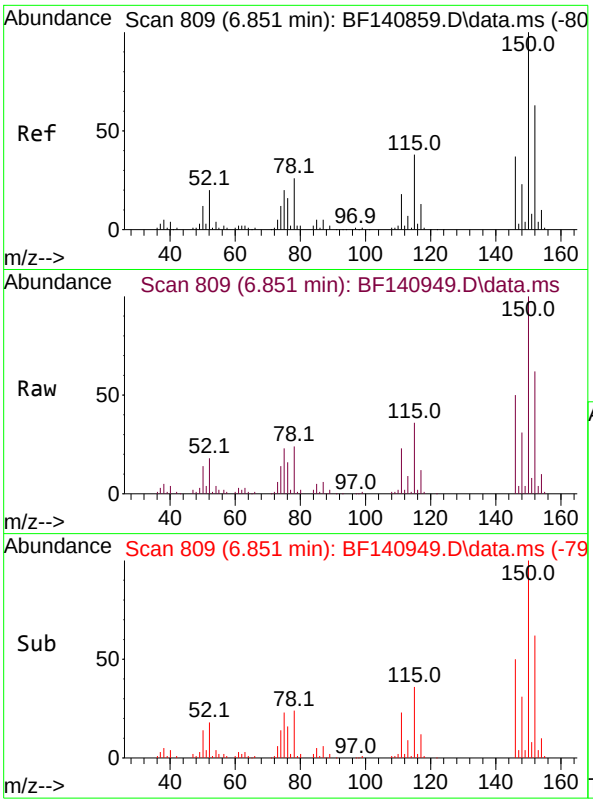
Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

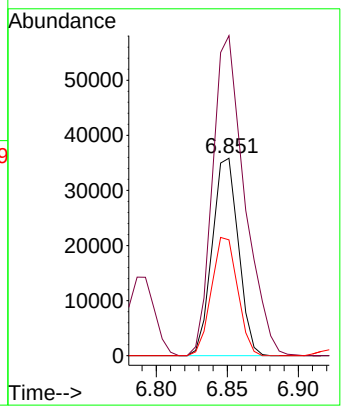





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

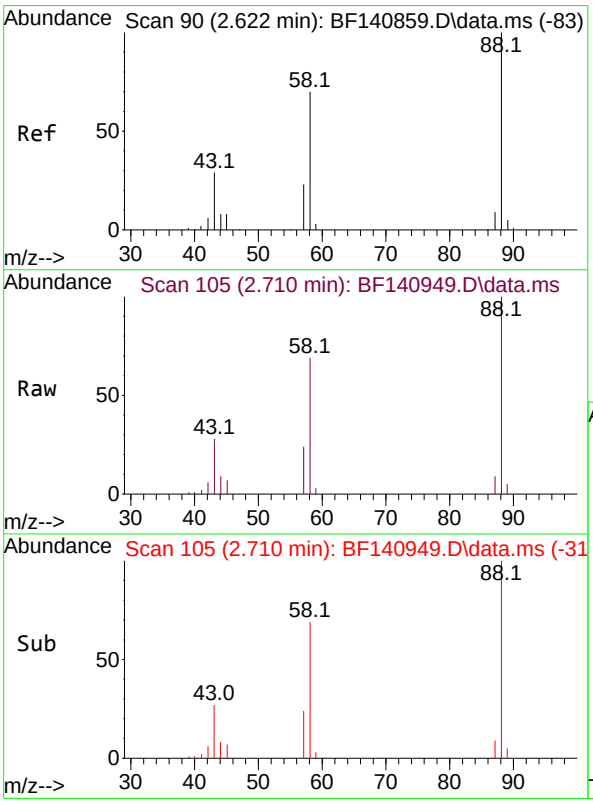
Tgt Ion:152 Resp: 4594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.1 | 127.9 | 191.9 |
| 115 | 58.7 | 48.0 | 72.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

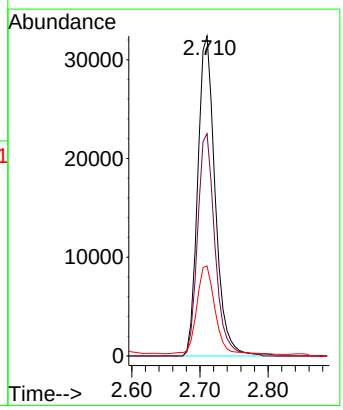
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

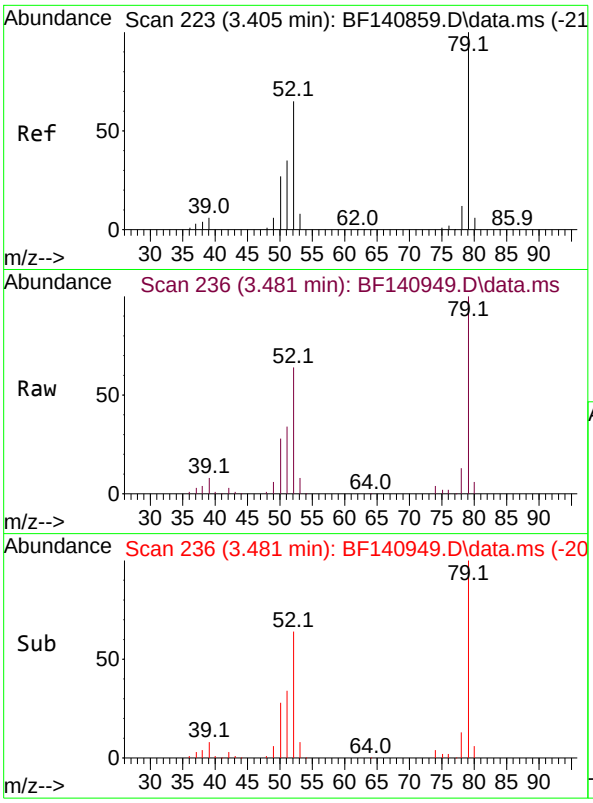



#2
1,4-Dioxane
Concen: 47.896 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 88 Resp: 57585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.3 | 55.8 | 83.8 |
| 43 | 30.7 | 22.7 | 34.1 |

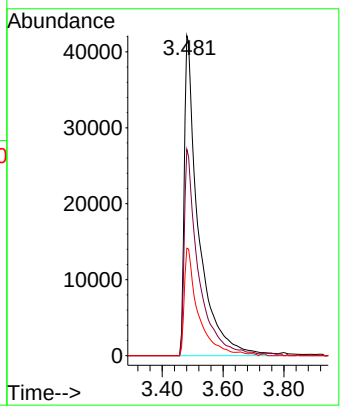





#3
Pyridine
Concen: 49.130 ng
RT: 3.481 min Scan# 2
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

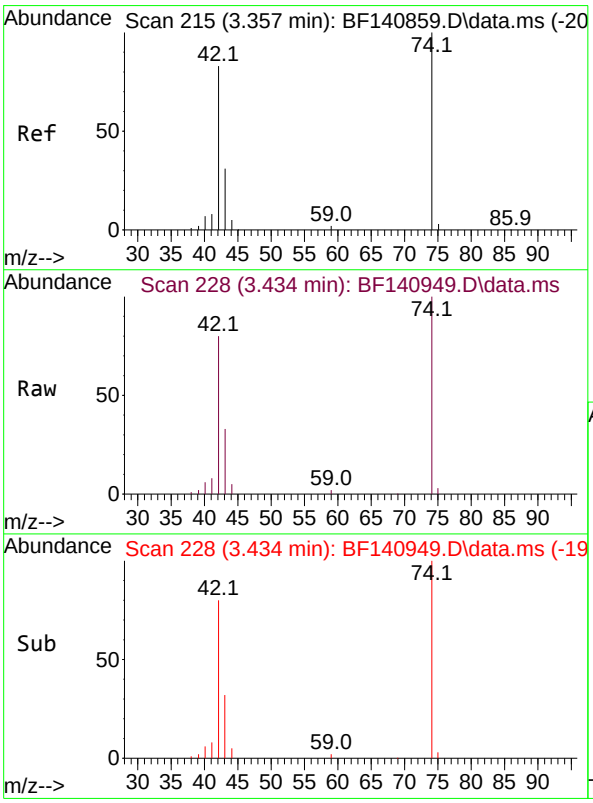
Tgt Ion: 79 Resp: 13679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.5 | 51.7 | 77.5 |
| 51 | 33.6 | 28.2 | 42.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

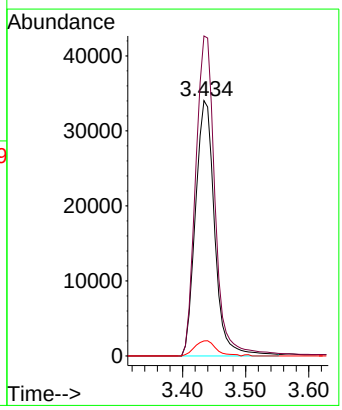
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

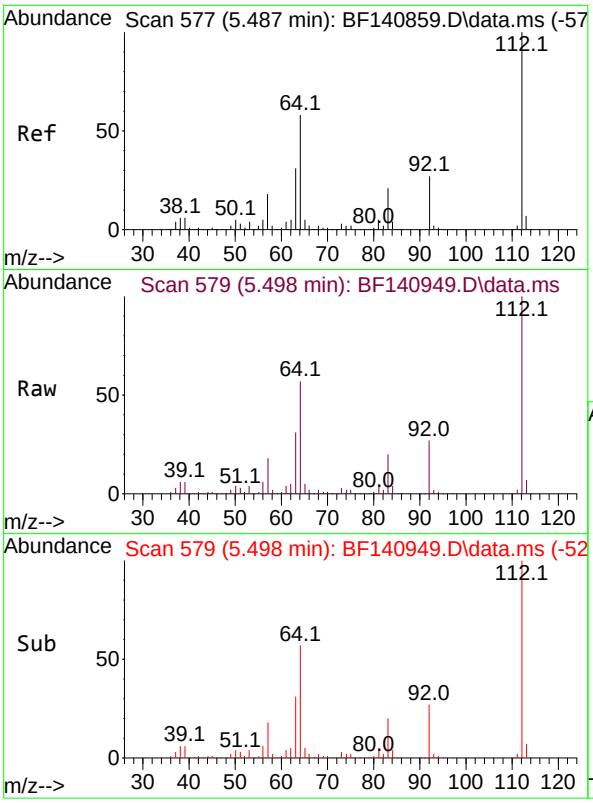



#4
n-Nitrosodimethylamine
Concen: 51.102 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 42 Resp: 71728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 125.3 | 96.9 | 145.3 |
| 44 | 5.9 | 4.4 | 6.6 |

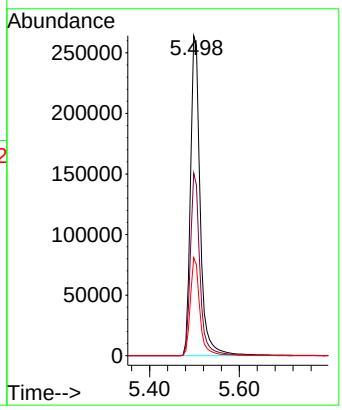





#5
2-Fluorophenol
Concen: 142.339 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:112 Resp: 39730

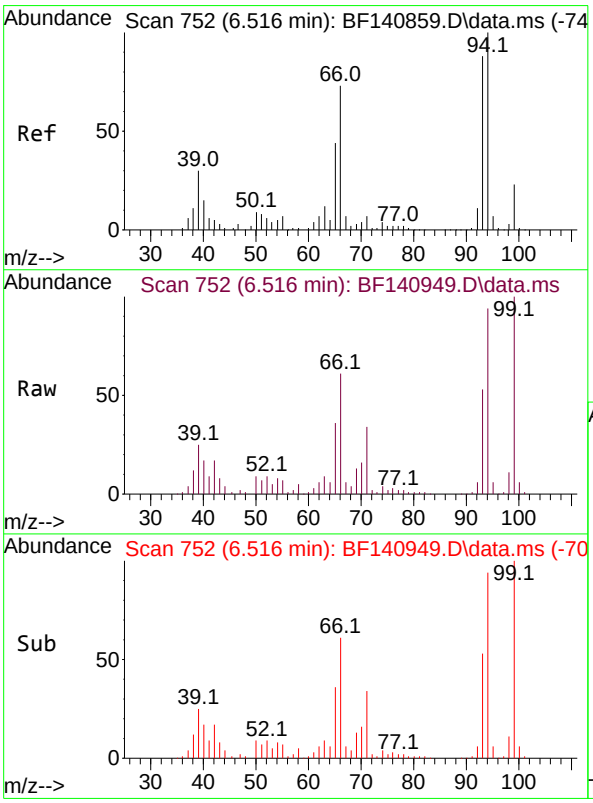
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.0 | 46.1 | 69.1 |
| 63 | 30.7 | 24.9 | 37.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

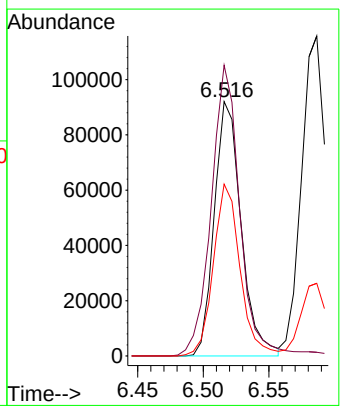
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

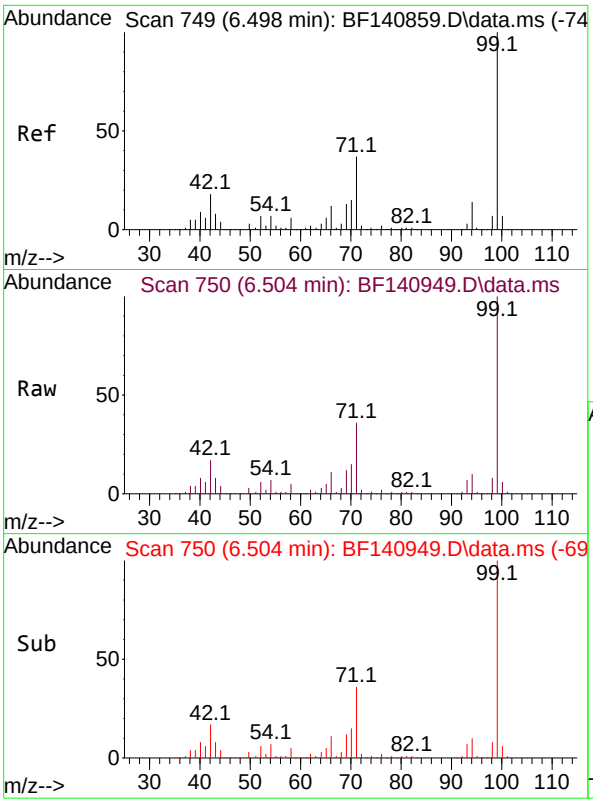



#6
Aniline
Concen: 41.394 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 130848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 114.3 | 67.0 | 100.4# |
| 65 | 67.5 | 40.4 | 60.6# |

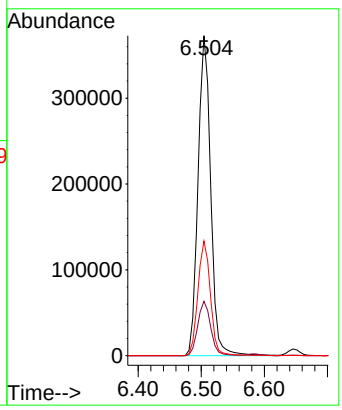





#7
Phenol-d6
Concen: 140.353 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

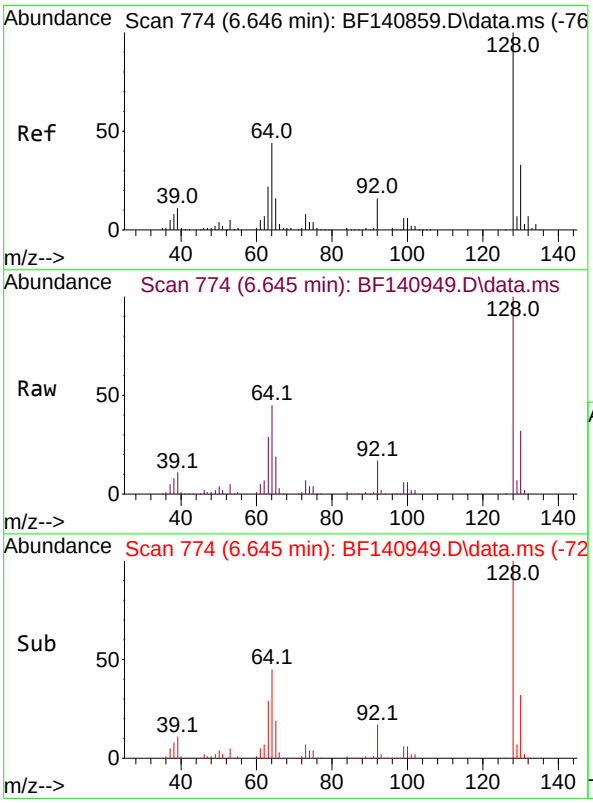
Tgt Ion: 99 Resp: 51889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.0 | 14.3 | 21.5 |
| 71 | 35.8 | 29.9 | 44.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

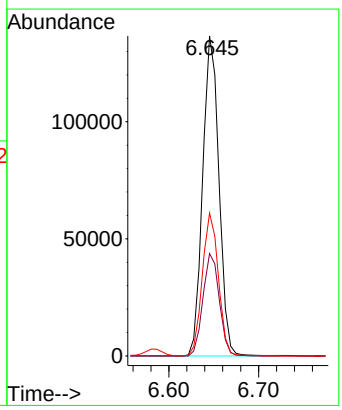
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

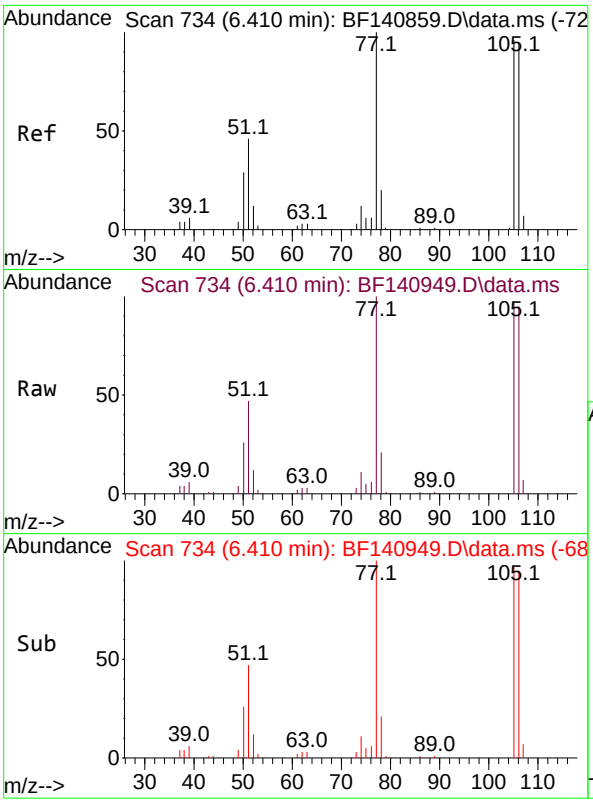



#8
2-Chlorophenol
Concen: 56.552 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:128 Resp: 172137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.9 | 52.9 |
| 64 | 44.7 | 24.3 | 64.3 |

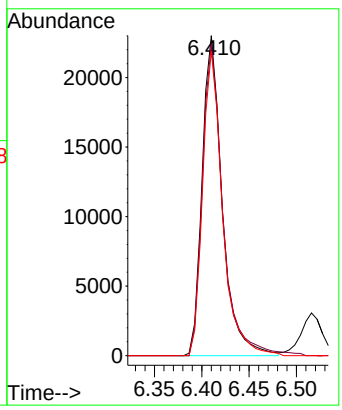





#9
Benzaldehyde
Concen: 16.577 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 77 Resp: 3395

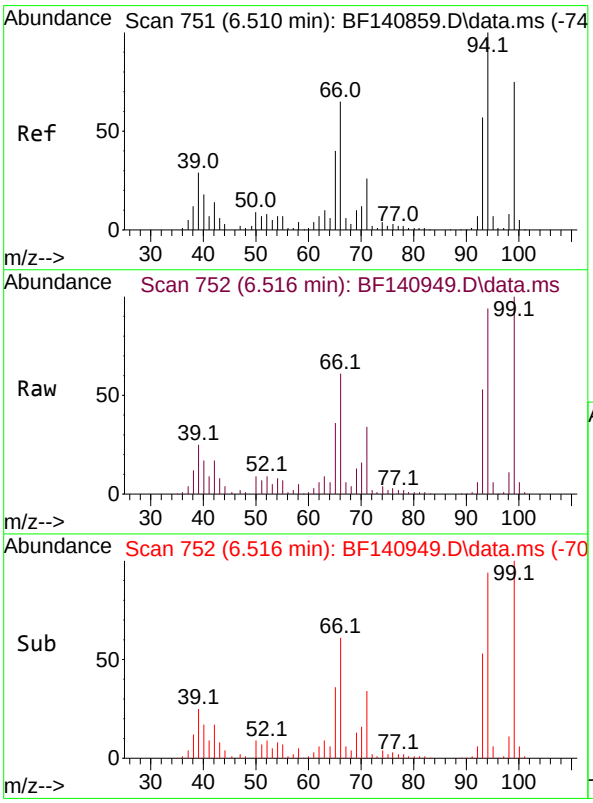
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 97.4 | 75.8 | 115.8 |
| 106 | 95.2 | 74.1 | 114.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

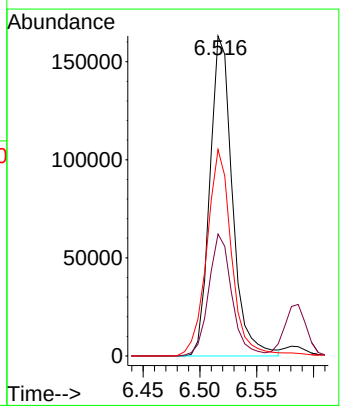
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

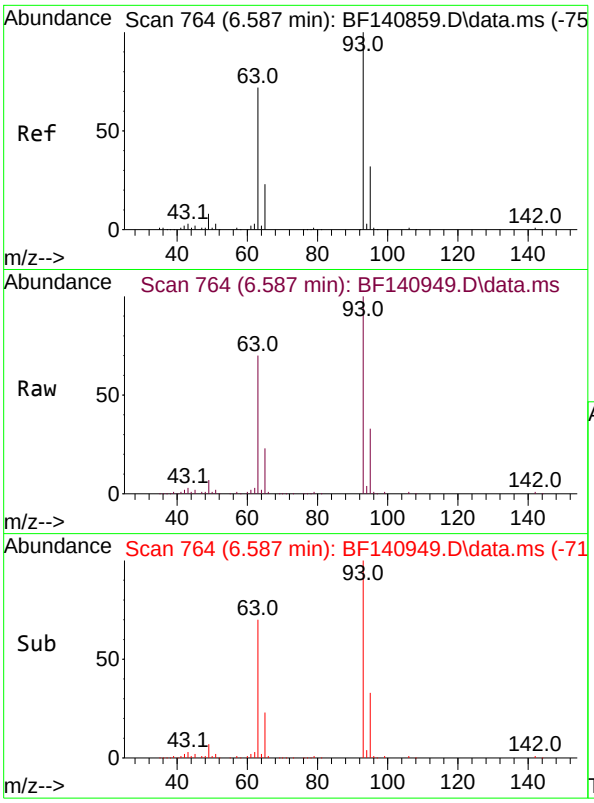



#10
Phenol
Concen: 58.630 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 94 Resp: 224652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.1 | 19.9 | 59.9 |
| 66 | 64.5 | 45.6 | 85.6 |

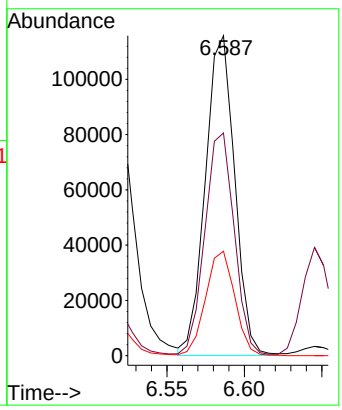





#11
bis(2-Chloroethyl)ether
Concen: 53.372 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

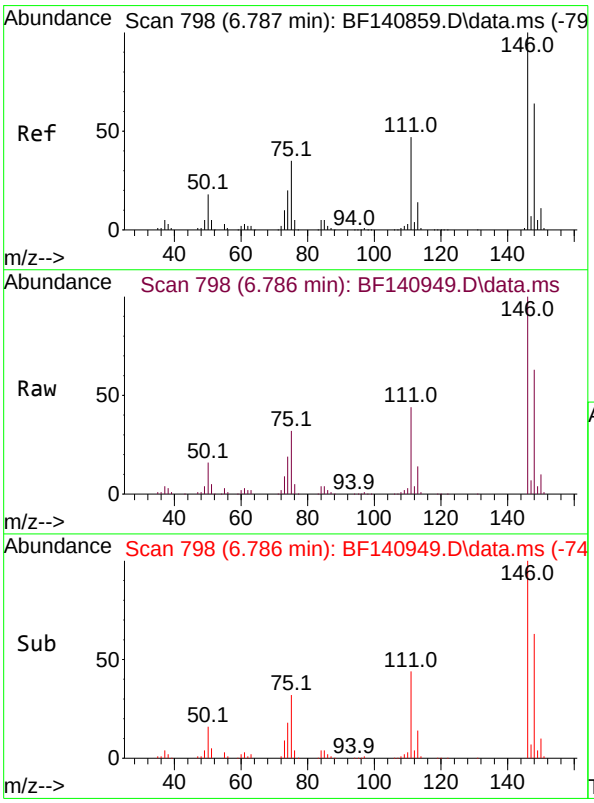
Tgt Ion: 93 Resp: 15251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.6 | 51.0 | 91.0 |
| 95 | 32.6 | 12.0 | 52.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

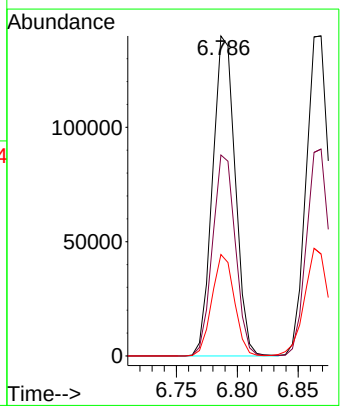
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

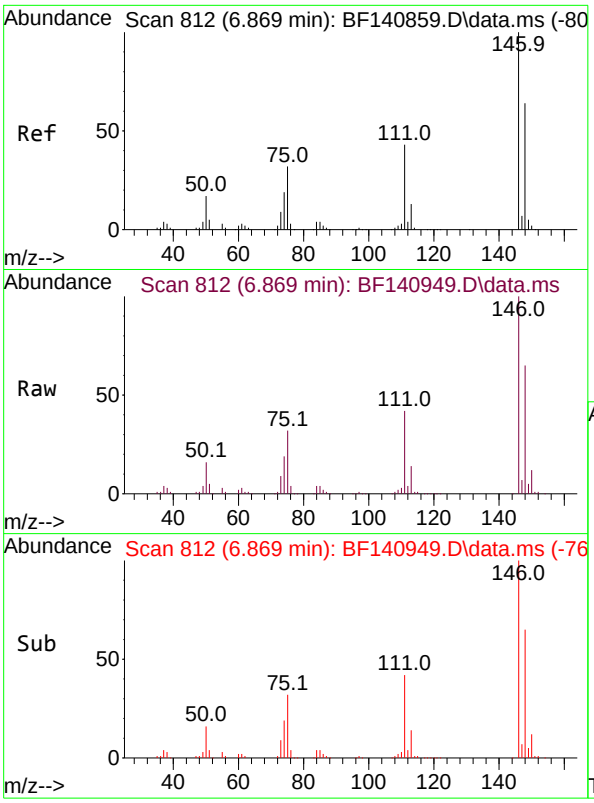



#12
1,3-Dichlorobenzene
Concen: 52.387 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 181700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.0 | 76.6 |
| 75 | 31.7 | 28.1 | 42.1 |

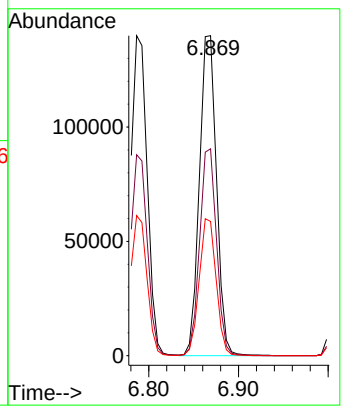





#13
1,4-Dichlorobenzene
Concen: 52.708 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 18556

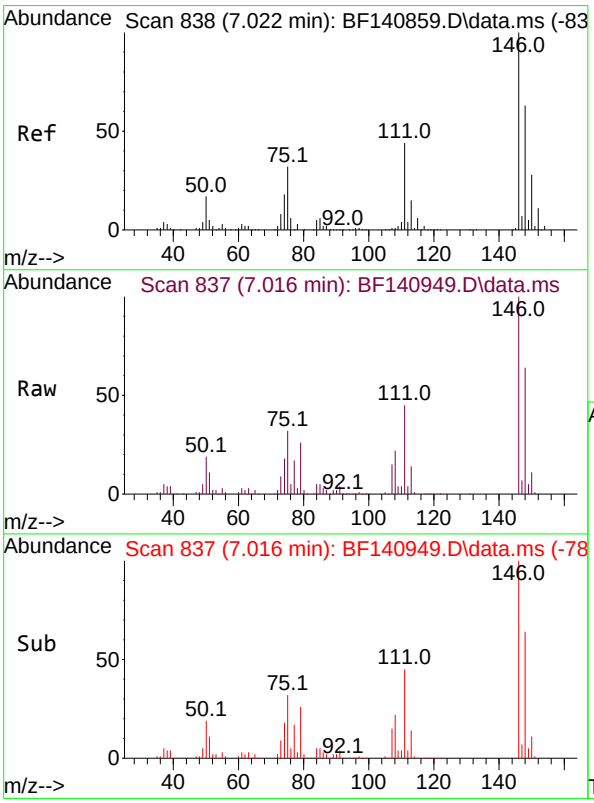
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.3 | 76.9 |
| 111 | 42.0 | 34.4 | 51.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

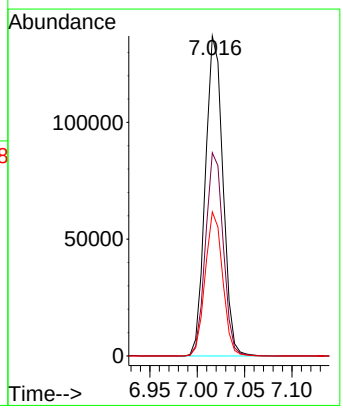
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

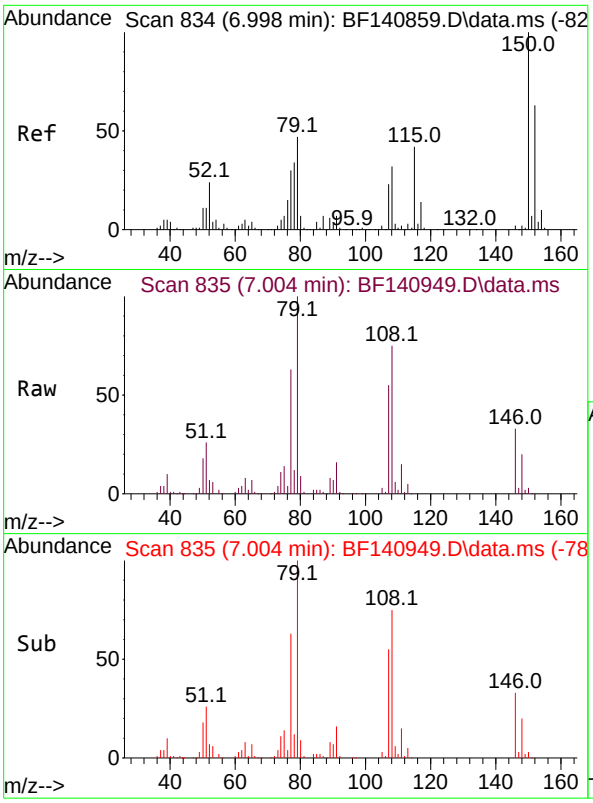



#14
1,2-Dichlorobenzene
Concen: 53.137 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 176510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.0 | 75.0 |
| 111 | 45.0 | 35.6 | 53.4 |






#15
Benzyl Alcohol
Concen: 57.414 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

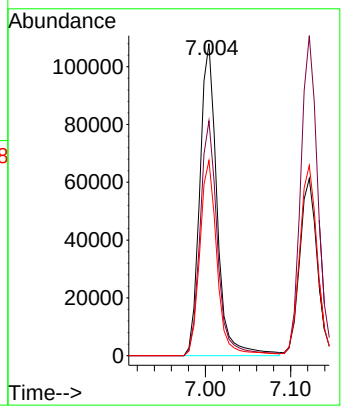
Tgt Ion: 79 Resp: 15176

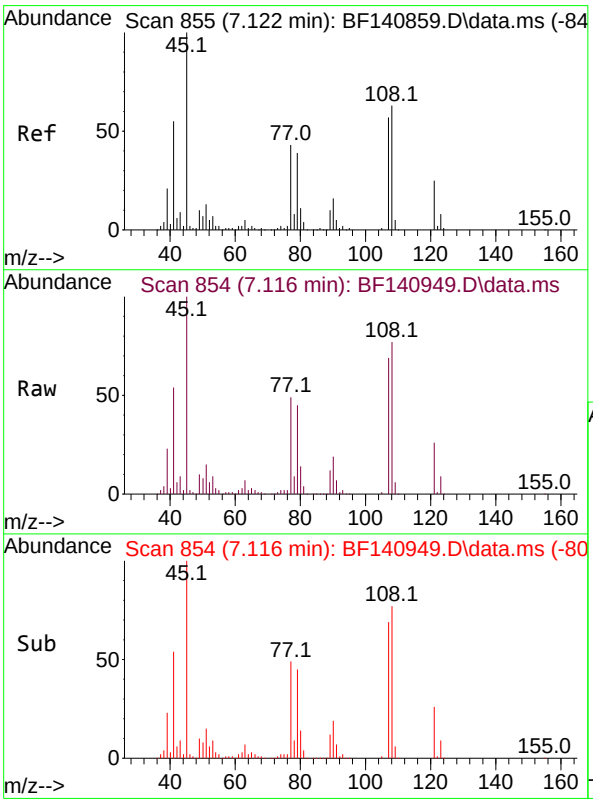
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.3 | 55.1 | 82.7 |
| 77 | 62.6 | 50.6 | 76.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

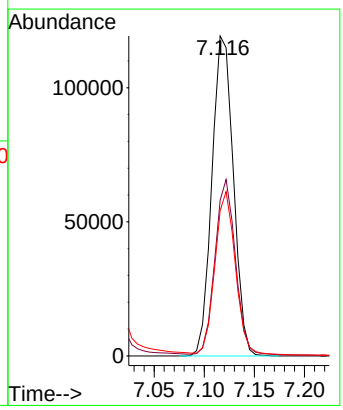


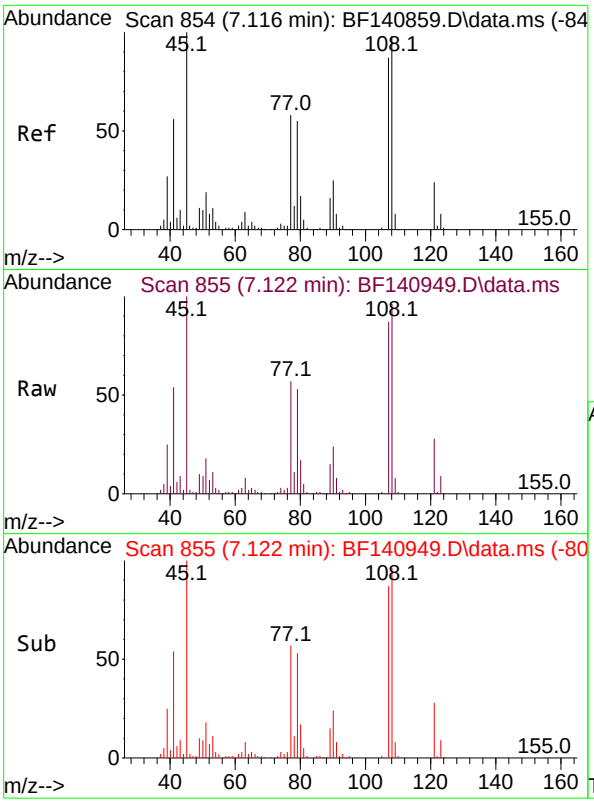




#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.770 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 45 Resp: 177636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 48.7 | 23.3 | 63.3 |
| 79 | 45.4 | 20.0 | 60.0 |

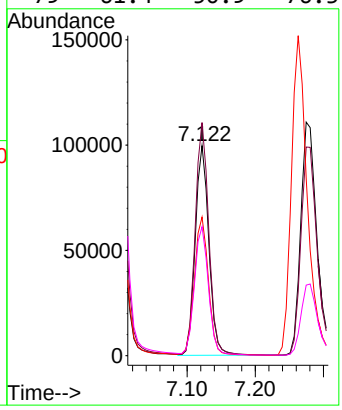





#17
2-Methylphenol
Concen: 57.071 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 13869

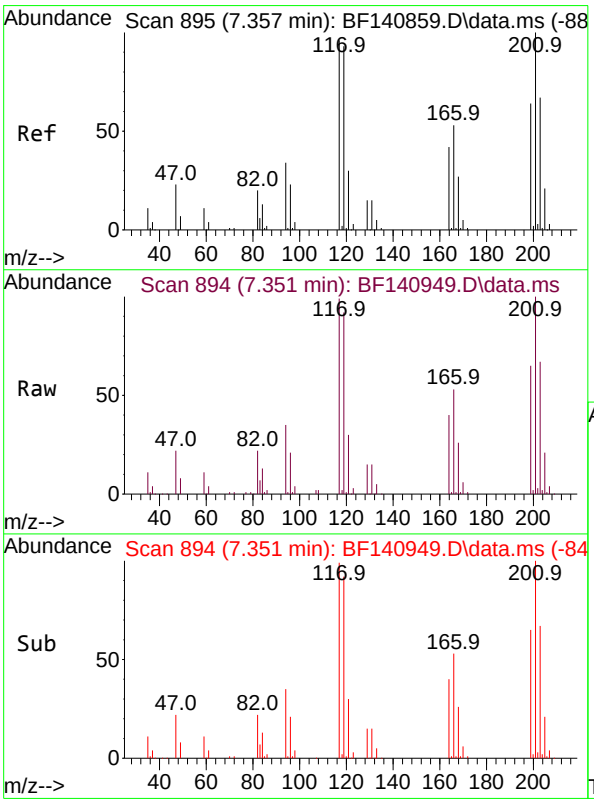
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.2 | 135.4 |
| 77 | 65.9 | 53.8 | 80.6 |
| 79 | 61.4 | 50.9 | 76.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

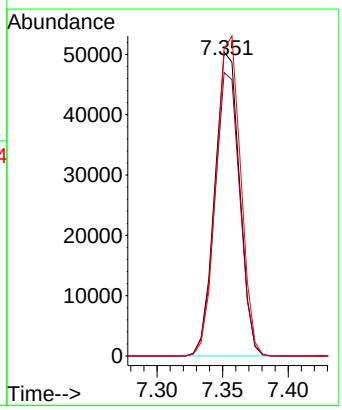
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

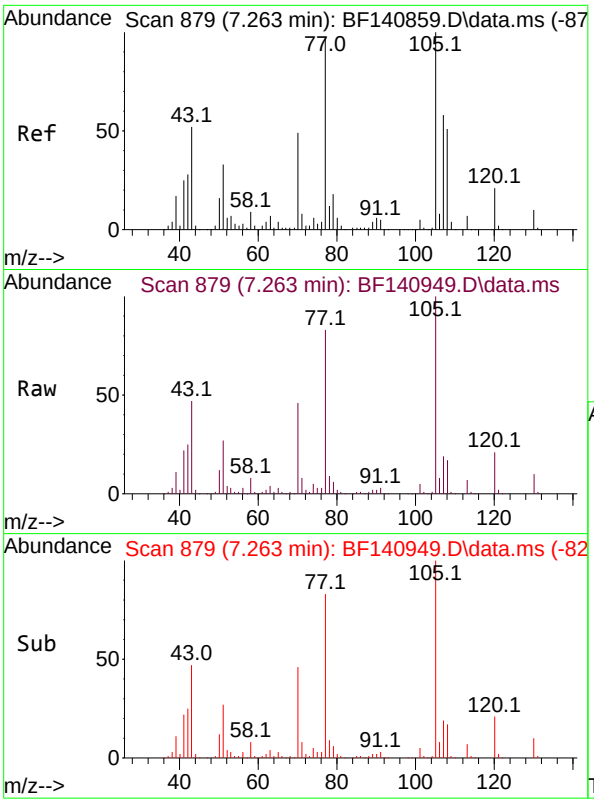



#18
Hexachloroethane
Concen: 50.446 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:117 Resp: 66118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.2 | 77.4 | 116.0 |
| 201 | 101.0 | 83.4 | 125.0 |

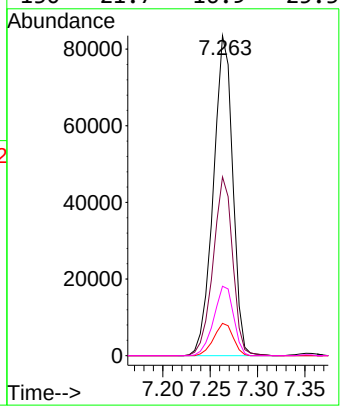





#19
n-Nitroso-di-n-propylamine
Concen: 53.736 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 70 Resp: 11916

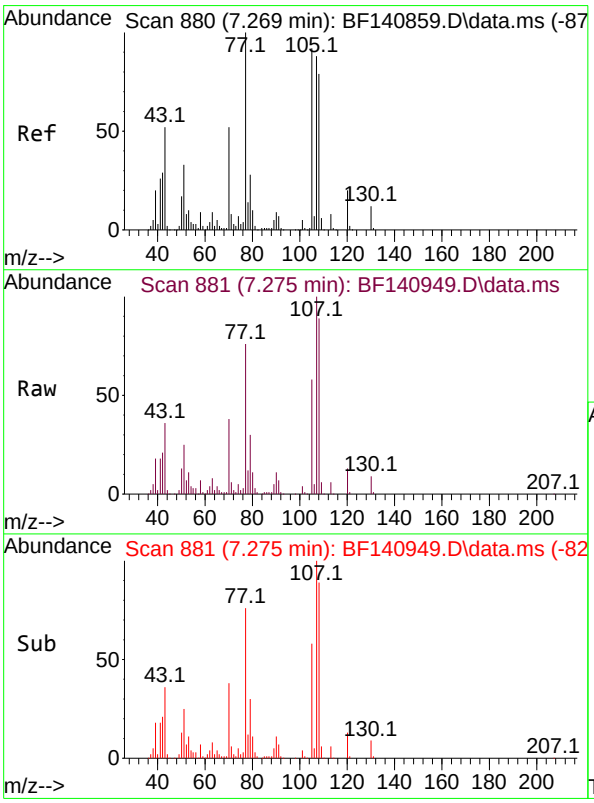
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.8 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 21.7 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

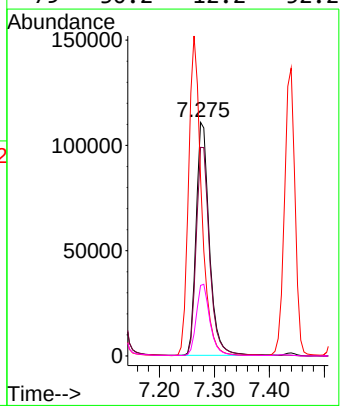
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

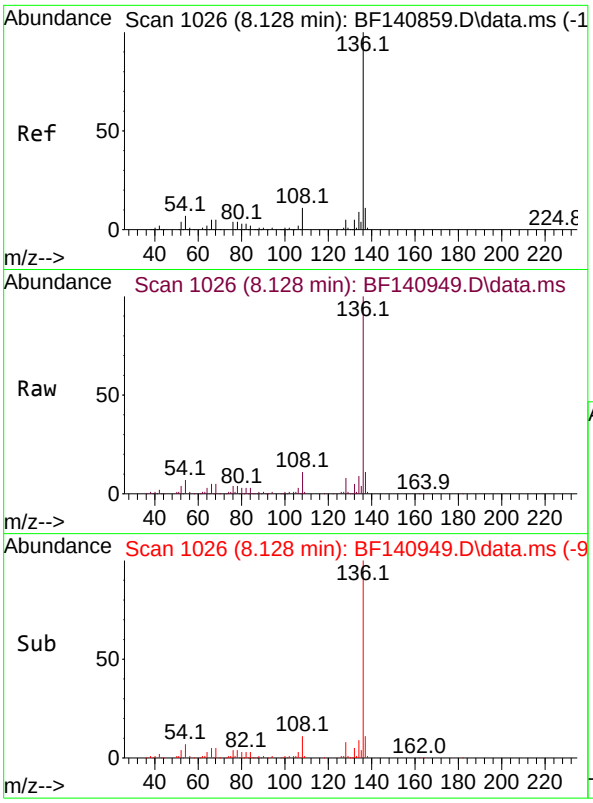



#20
3+4-Methylphenols
Concen: 57.503 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 185300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 70.1 | 110.1 |
| 77 | 75.9 | 94.4 | 134.4# |
| 79 | 30.2 | 12.2 | 52.2 |

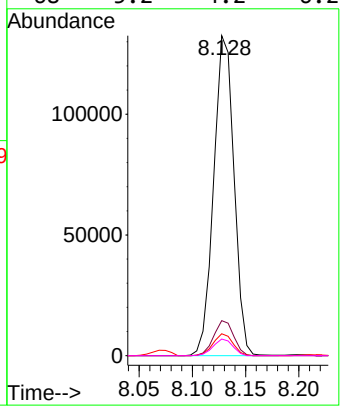





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:136 Resp: 17567

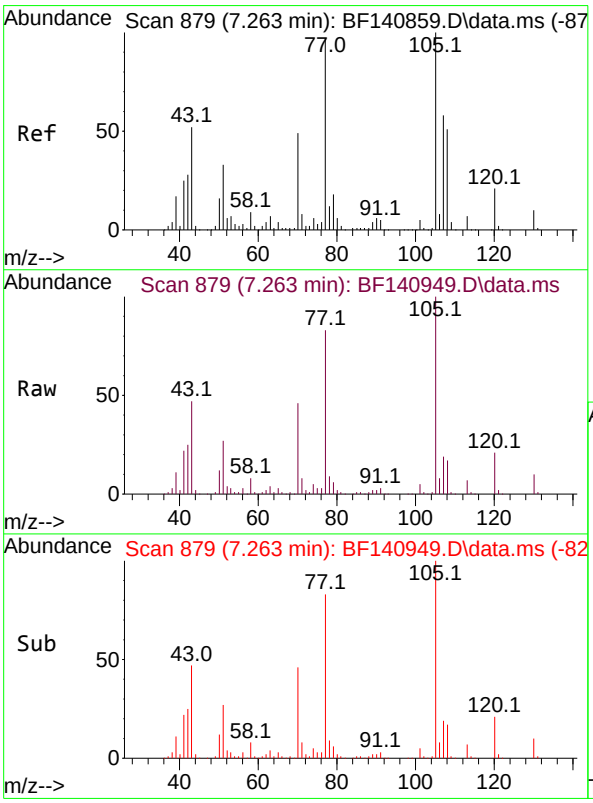
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.2 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

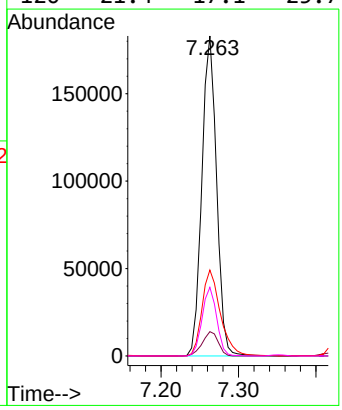
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

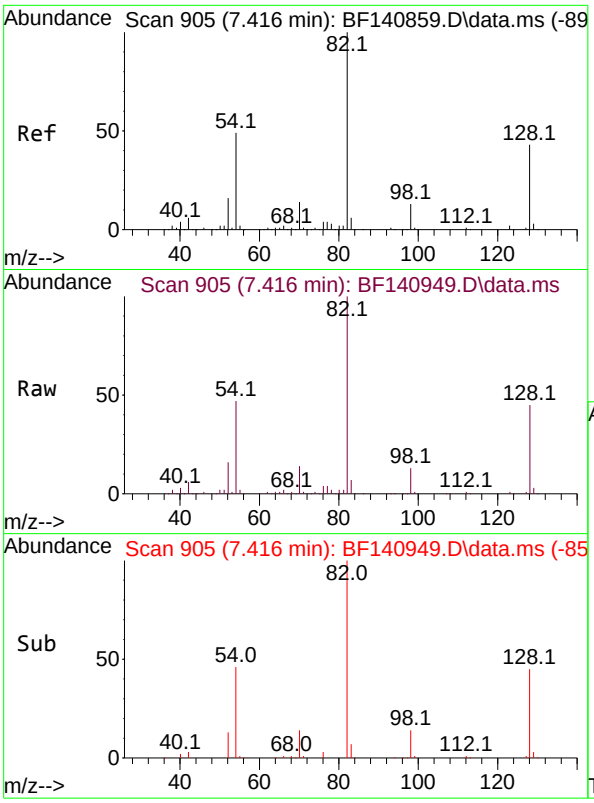



#22
Acetophenone
Concen: 54.917 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:105 Resp: 241328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.6 | 6.2 | 9.4 |
| 51 | 26.8 | 26.3 | 39.5 |
| 120 | 21.4 | 17.1 | 25.7 |

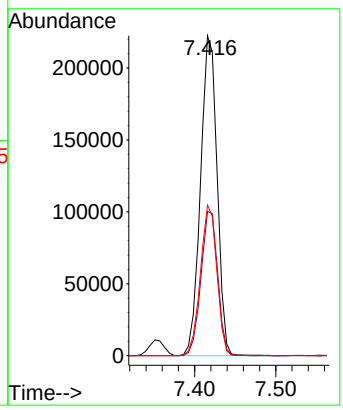





#23
Nitrobenzene-d5
Concen: 89.714 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 82 Resp: 31500

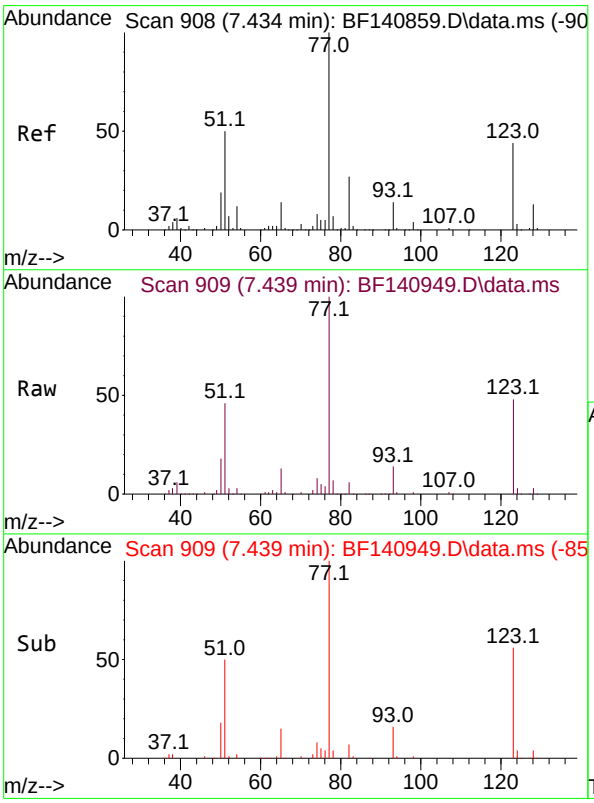
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 34.4 | 51.6 |
| 54 | 47.1 | 38.8 | 58.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

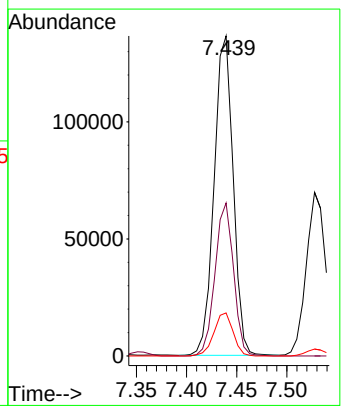
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

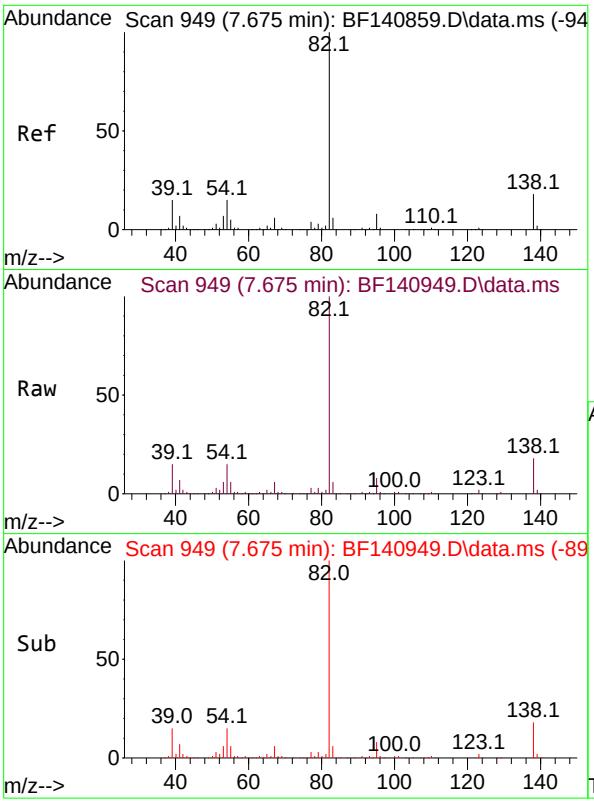



#24
Nitrobenzene
Concen: 50.063 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 77 Resp: 180083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 35.0 | 52.4 |
| 65 | 13.4 | 11.4 | 17.0 |

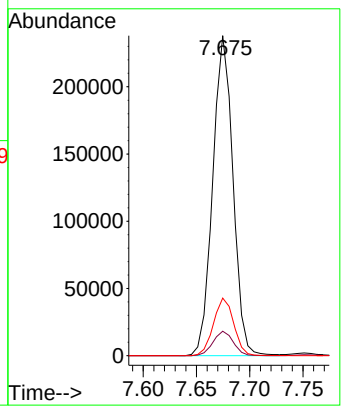





#25
Isophorone
Concen: 53.439 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

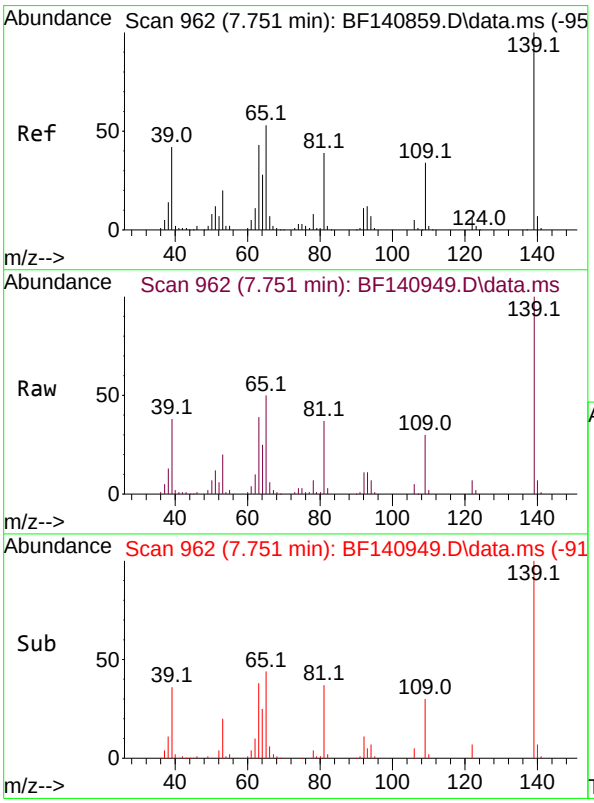
Tgt Ion: 82 Resp: 31439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.3 | 9.5 |
| 138 | 18.0 | 14.1 | 21.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

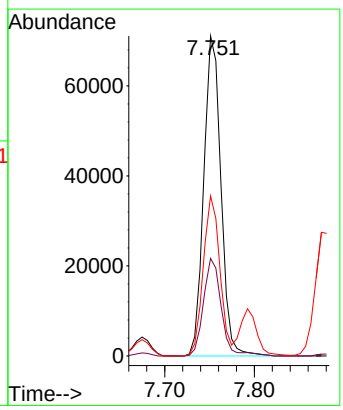
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

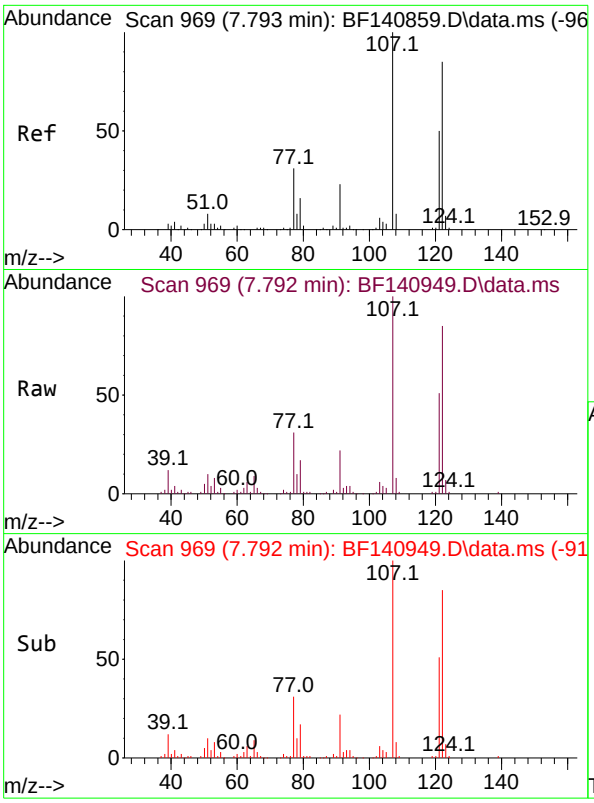



#26
2-Nitrophenol
Concen: 57.032 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 94485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 26.9 | 40.3 |
| 65 | 50.0 | 42.6 | 64.0 |

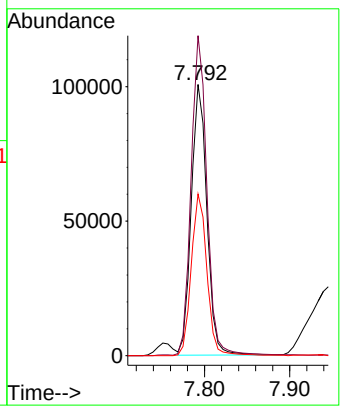





#27
2,4-Dimethylphenol
Concen: 66.141 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:122 Resp: 12796

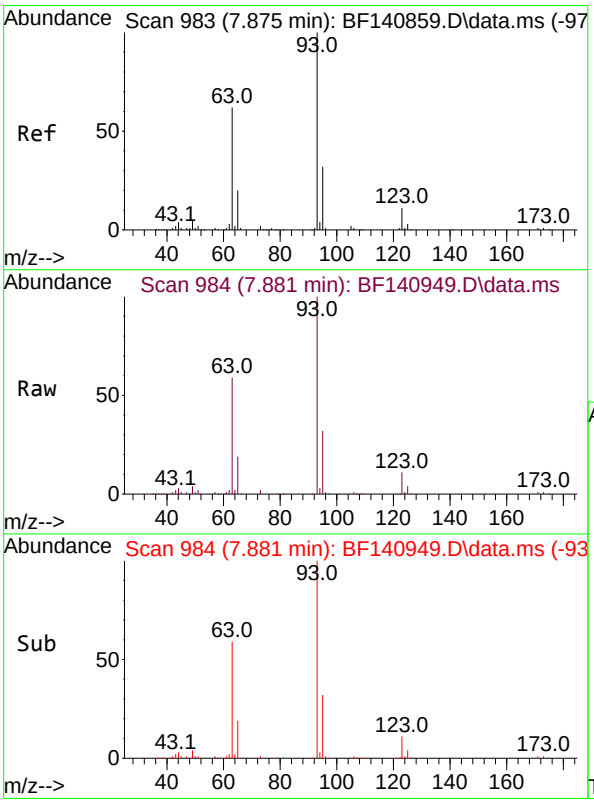
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.0 | 92.6 | 139.0 |
| 121 | 59.6 | 45.8 | 68.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

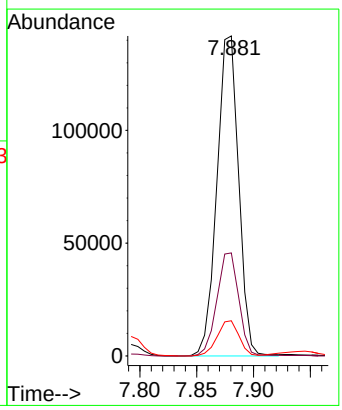
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

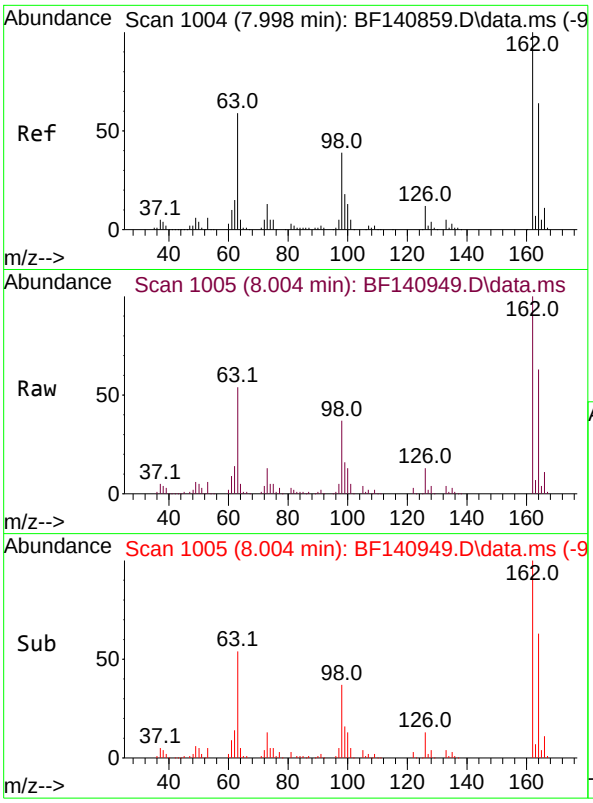



#28
bis(2-Chloroethoxy)methane
Concen: 51.420 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 188944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.3 | 37.9 |
| 123 | 11.0 | 8.6 | 13.0 |

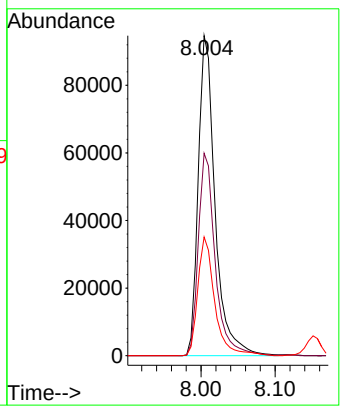





#29
2,4-Dichlorophenol
Concen: 55.934 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

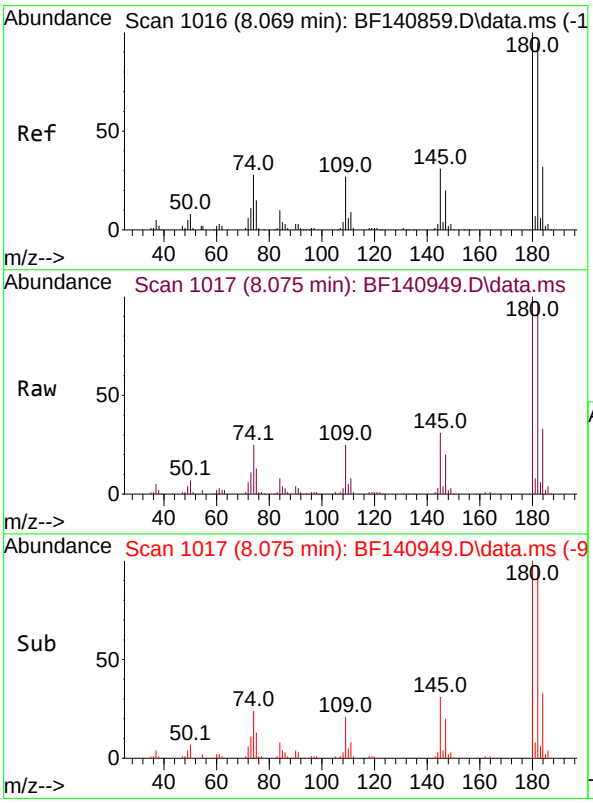
Tgt Ion:162 Resp: 14940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 43.7 | 83.7 |
| 98 | 37.1 | 18.6 | 58.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

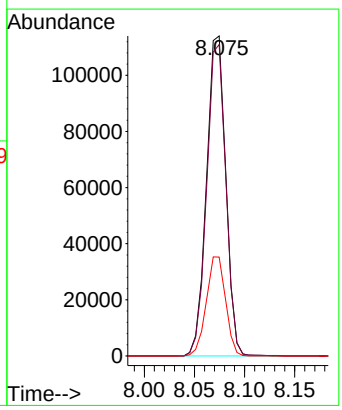
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

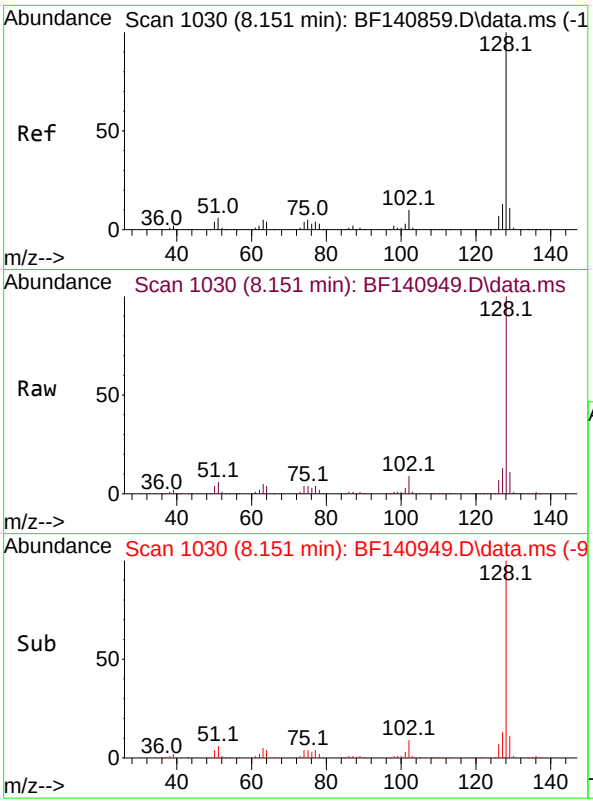



#30
1,2,4-Trichlorobenzene
Concen: 50.051 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:180 Resp: 153263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.3 | 75.8 | 113.6 |
| 145 | 30.9 | 25.2 | 37.8 |

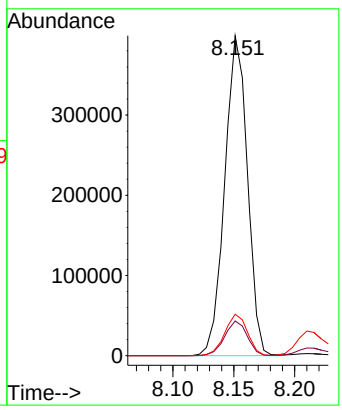





#31
Naphthalene
Concen: 53.602 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:128 Resp: 51724

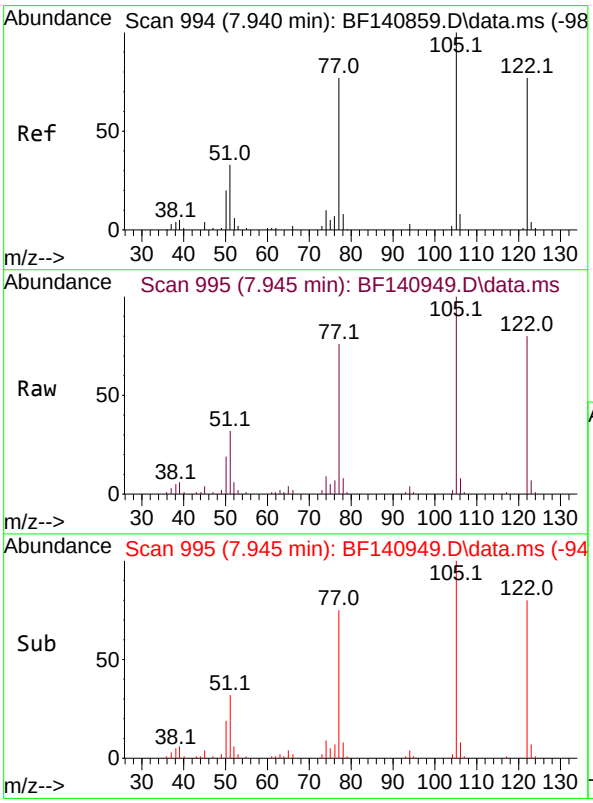
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 13.0 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

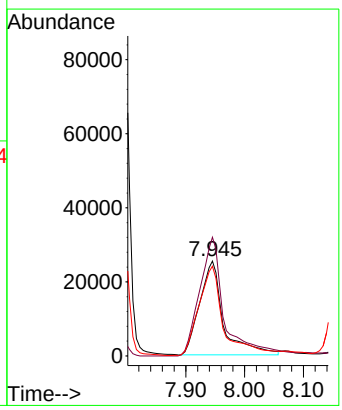
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

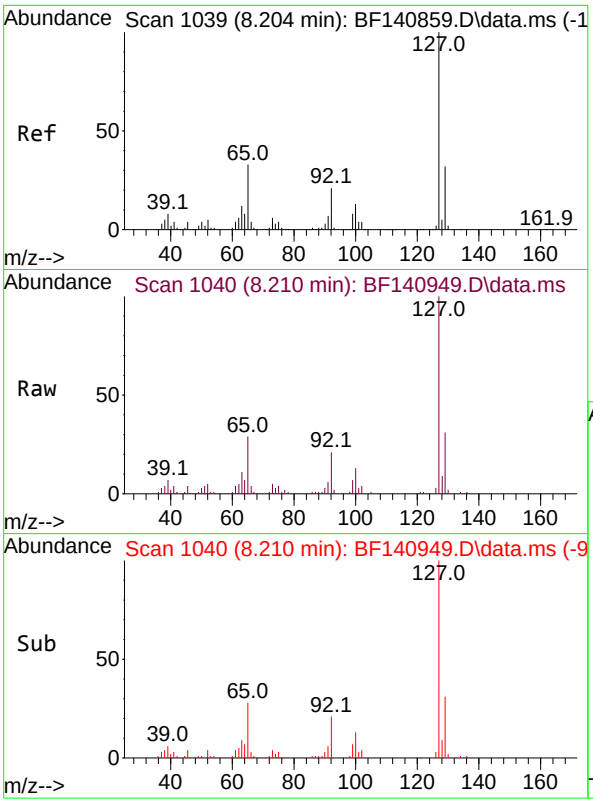



#32
Benzoic acid
Concen: 39.151 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:122 Resp: 71840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.1 | 108.3 | 148.3 |
| 77 | 94.6 | 78.8 | 118.8 |

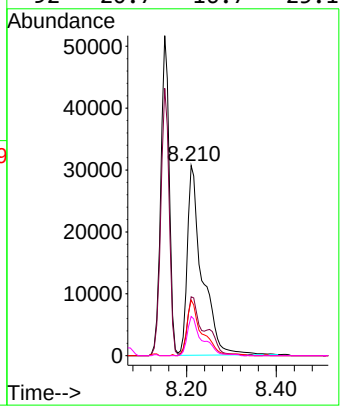





#33
4-Chloroaniline
Concen: 22.062 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:127 Resp: 7070

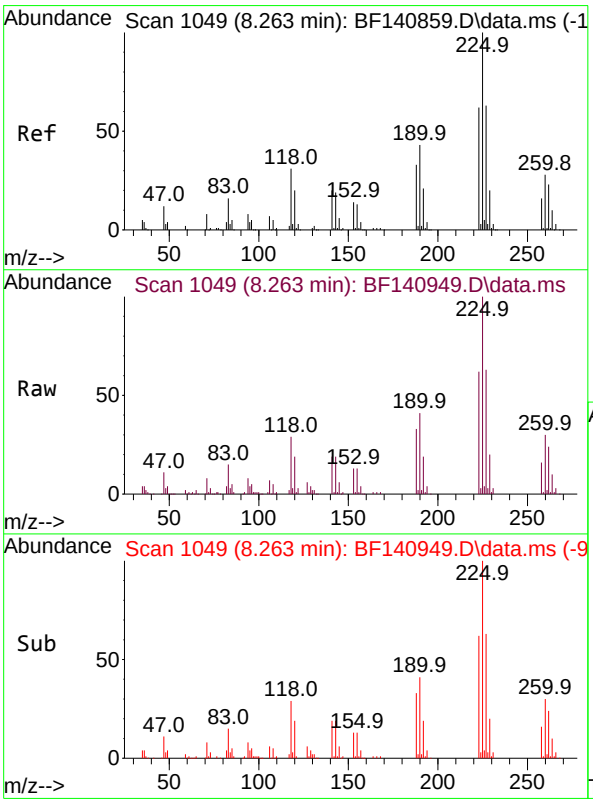
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.0 | 26.0 | 39.0 |
| 65 | 29.2 | 26.0 | 39.0 |
| 92 | 20.7 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

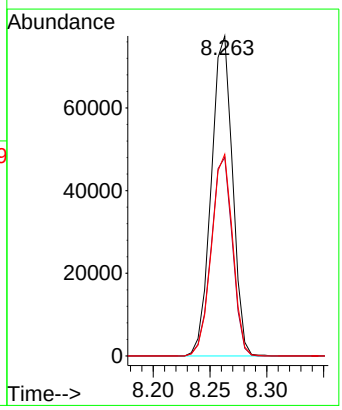
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

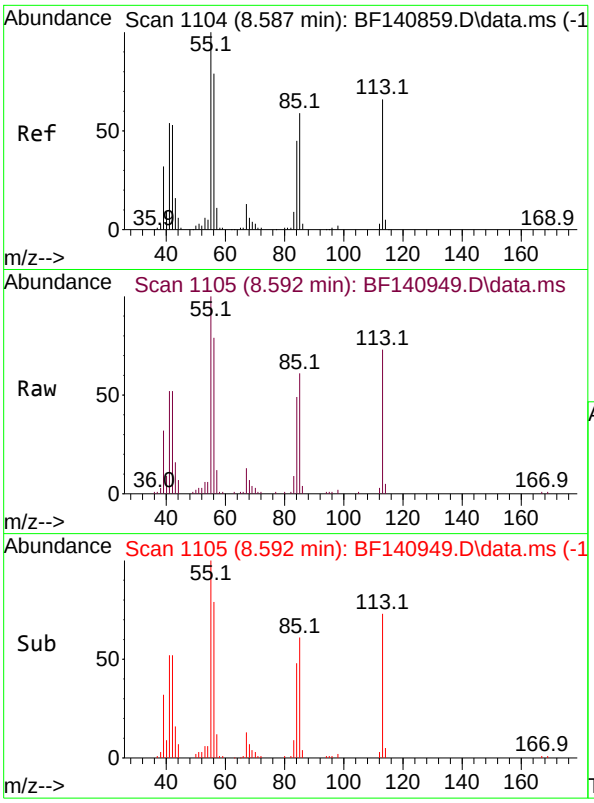



#34
Hexachlorobutadiene
Concen: 48.916 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:225 Resp: 100776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.6 | 74.4 |
| 227 | 63.0 | 50.7 | 76.1 |

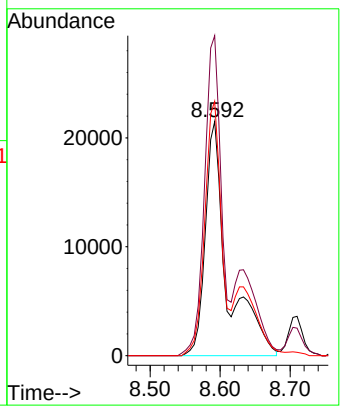





#35
Caprolactam
Concen: 59.086 ng m
RT: 8.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:113 Resp: 4698

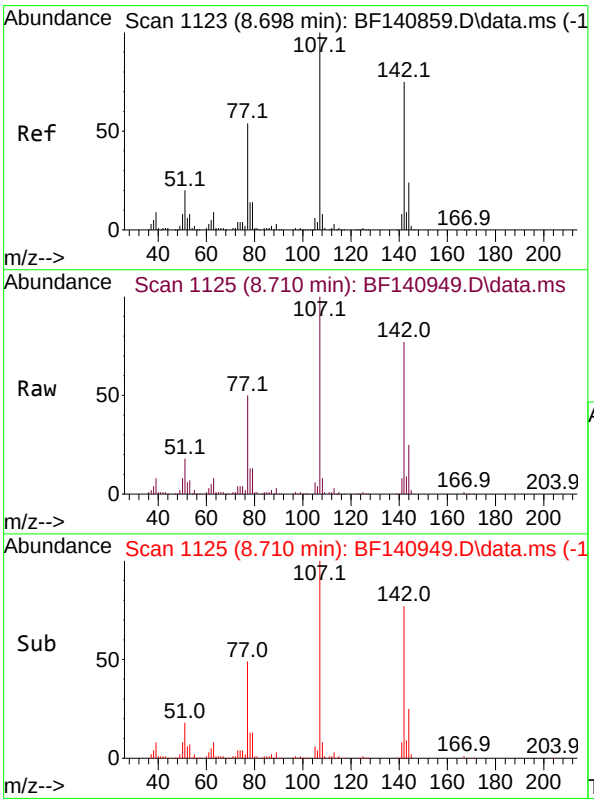
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.7 | 132.3 | 172.3 |
| 56 | 108.7 | 100.3 | 140.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

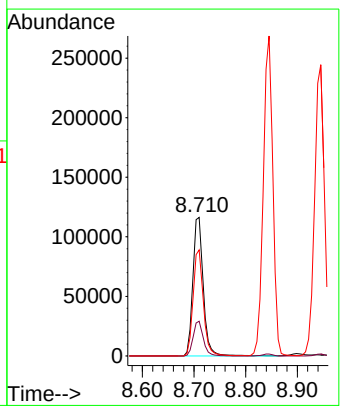
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

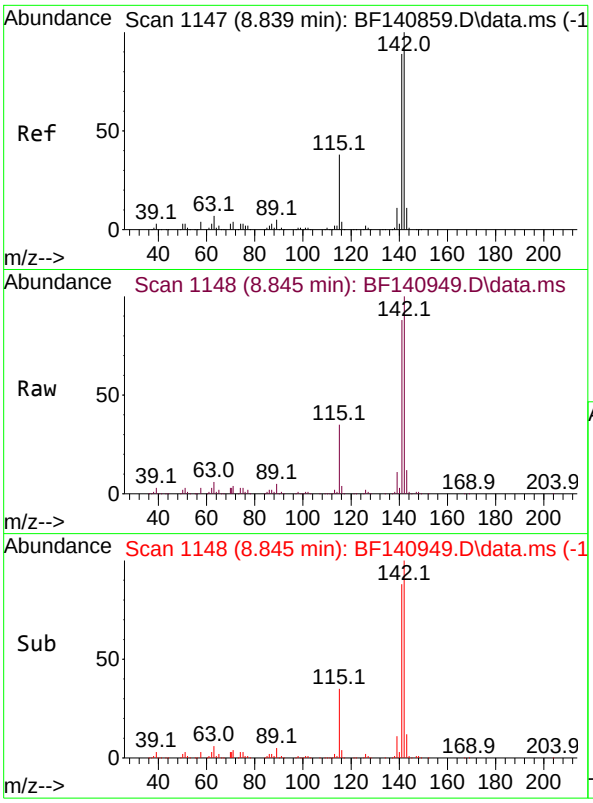



#36
4-Chloro-3-methylphenol
Concen: 54.366 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 163449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 19.4 | 29.2 |
| 142 | 76.5 | 60.3 | 90.5 |

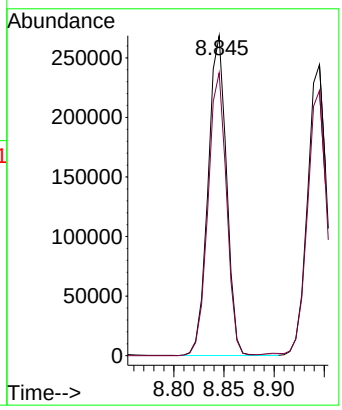





#37
2-Methylnaphthalene
Concen: 53.795 ng
RT: 8.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:142 Resp: 34339

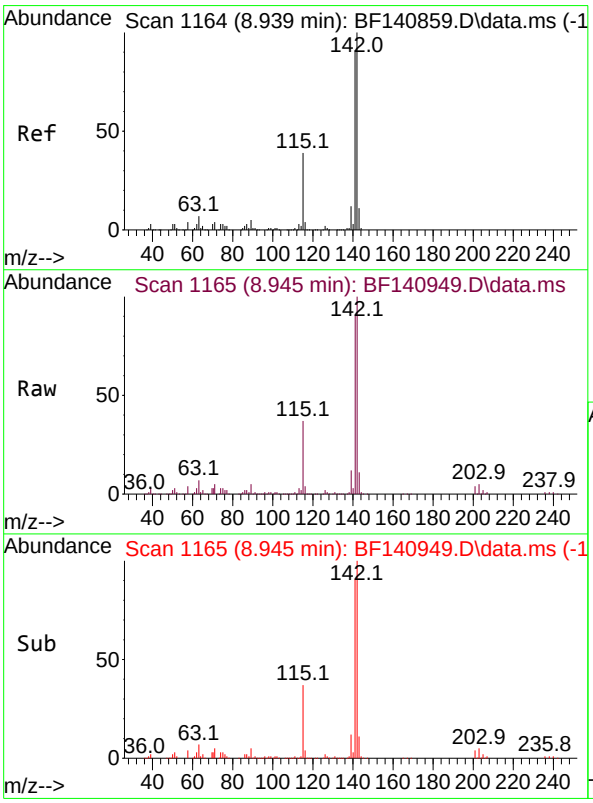
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.4 | 71.0 | 106.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

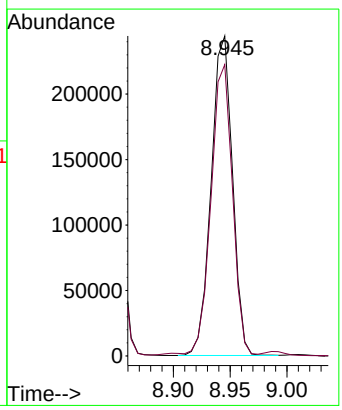
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

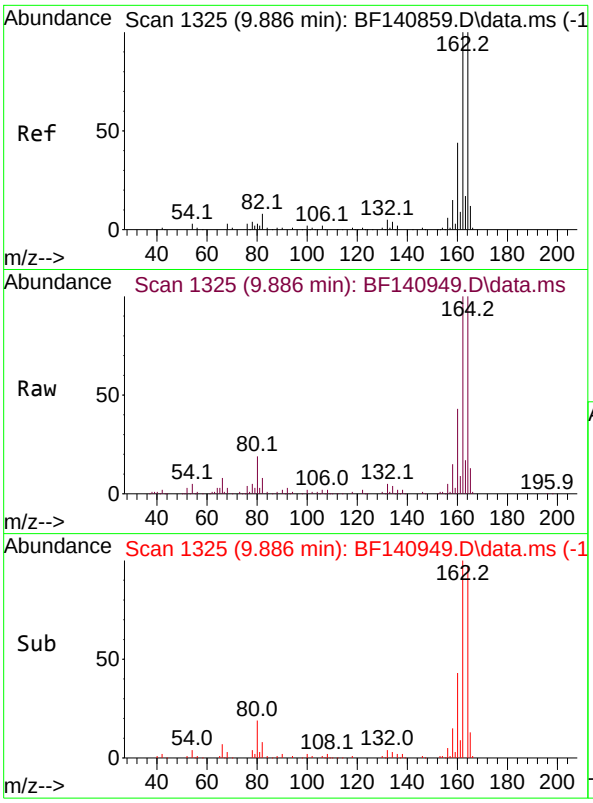



#38
1-Methylnaphthalene
Concen: 50.458 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:142 Resp: 318541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 73.4 | 110.0 |

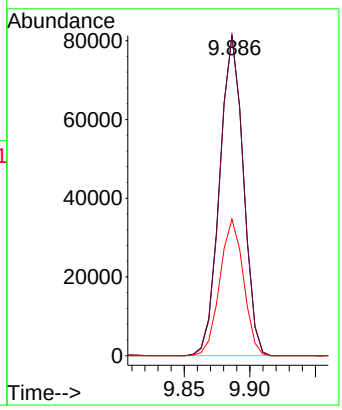





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:164 Resp: 10215

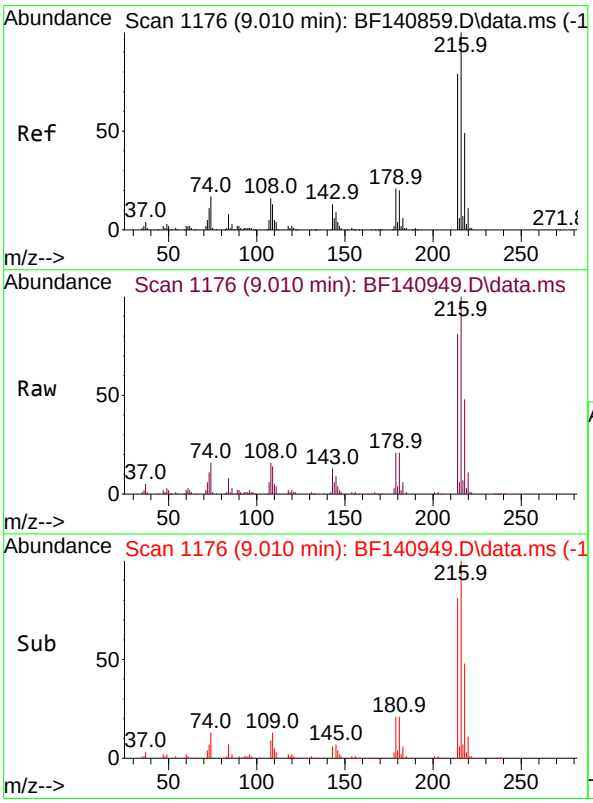
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 79.9 | 119.9 |
| 160 | 42.7 | 35.2 | 52.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

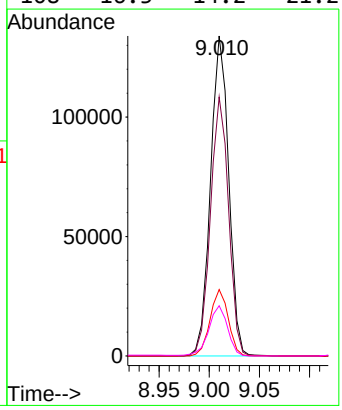
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

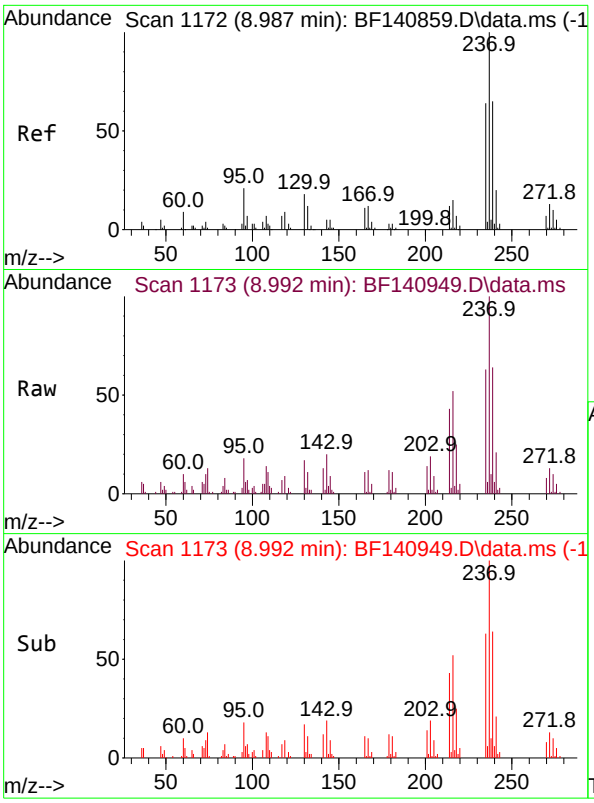



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.866 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:216 Resp: 169136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.7 | 63.6 | 95.4 |
| 179 | 20.7 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |

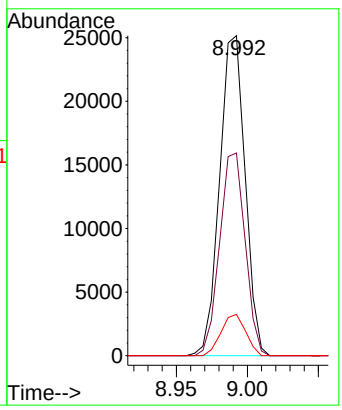





#41
Hexachlorocyclopentadiene
Concen: 41.662 ng
RT: 8.992 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:237 Resp: 3140

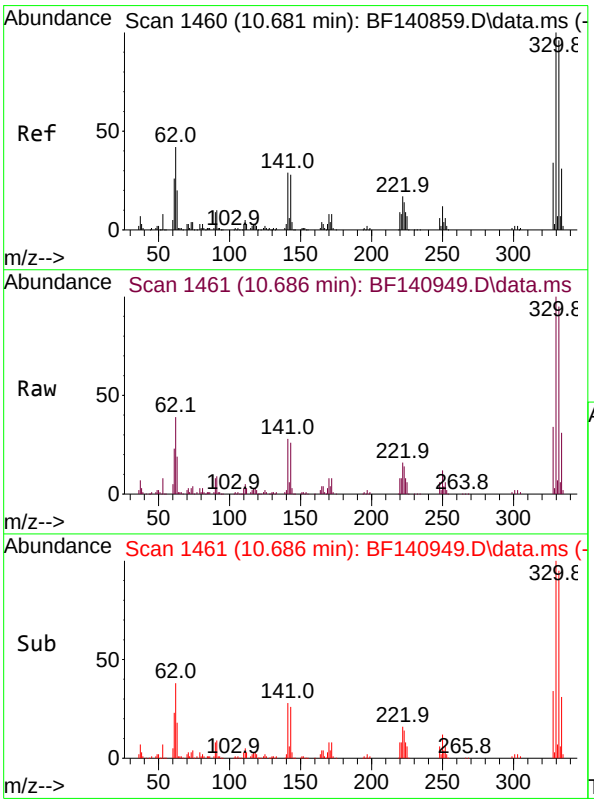
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 43.7 | 83.7 |
| 272 | 12.9 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

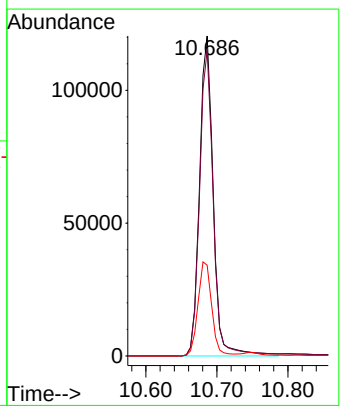
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

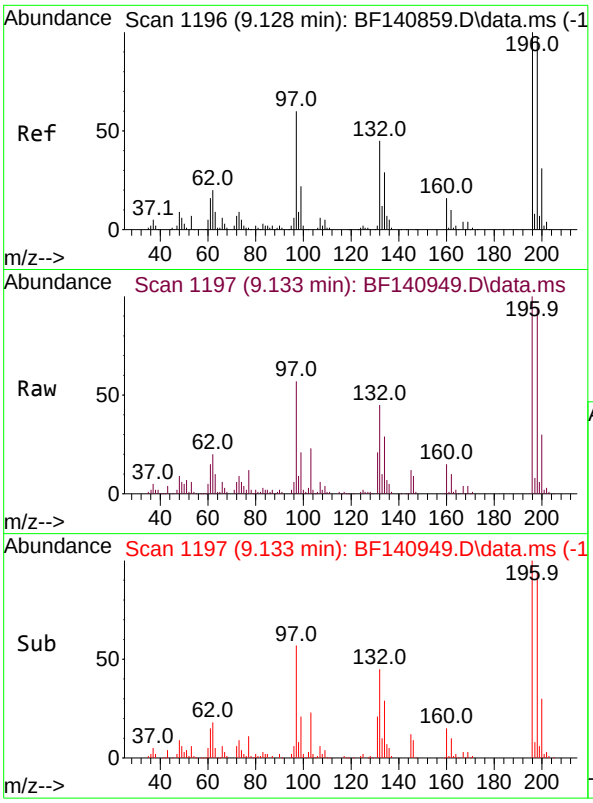



#42
2,4,6-Tribromophenol
Concen: 134.298 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:330 Resp: 162262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 76.2 | 114.4 |
| 141 | 29.6 | 24.9 | 37.3 |

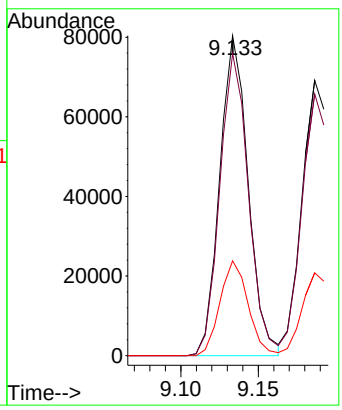





#43
2,4,6-Trichlorophenol
Concen: 53.386 ng
RT: 9.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

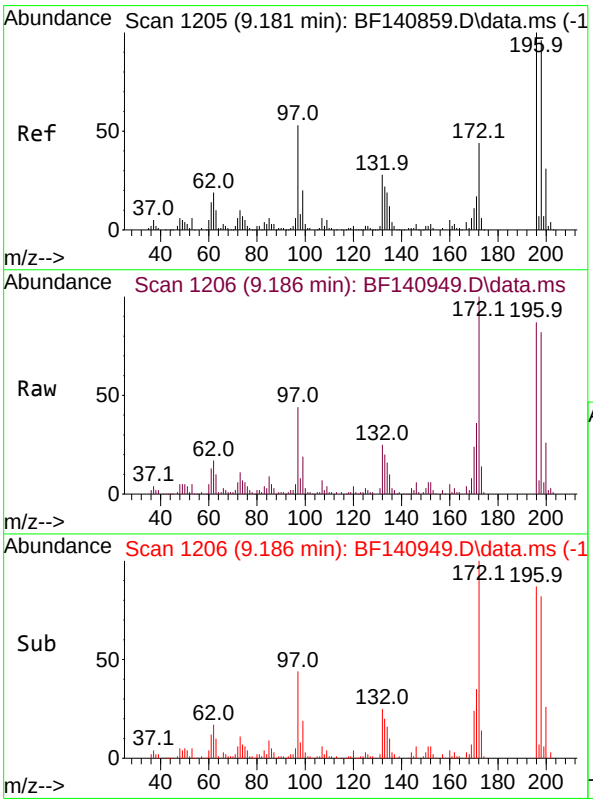
Tgt Ion:196 Resp: 10264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.4 | 77.4 | 116.0 |
| 200 | 29.6 | 24.5 | 36.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

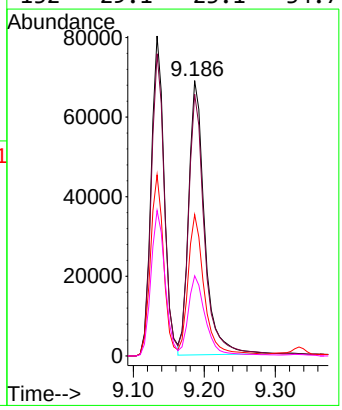
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

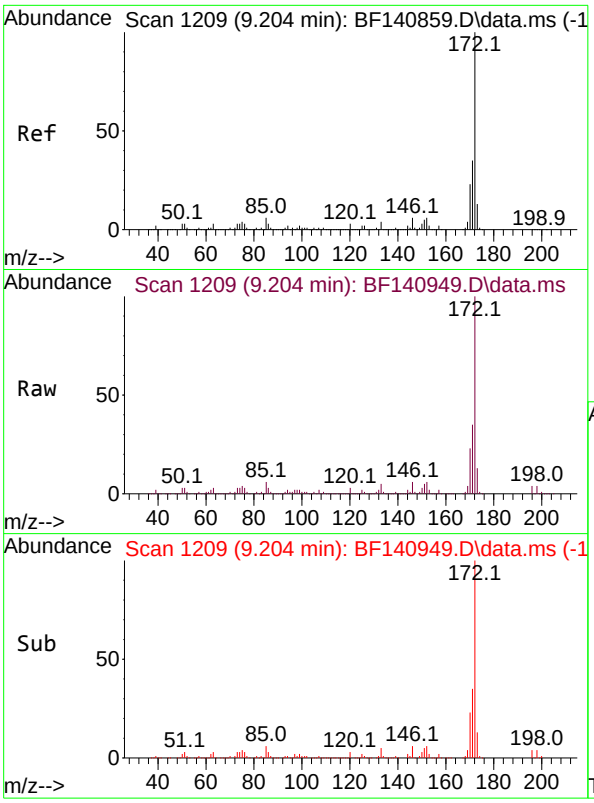



#44
2,4,5-Trichlorophenol
Concen: 50.828 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:196 Resp: 107412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.1 | 77.2 | 115.8 |
| 97 | 51.3 | 42.2 | 63.4 |
| 132 | 29.1 | 23.1 | 34.7 |

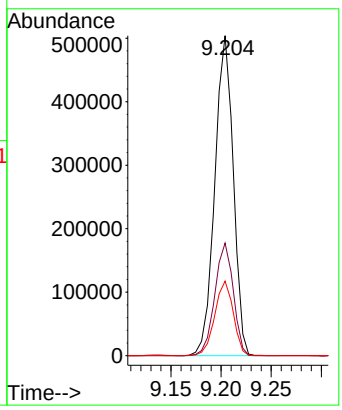





#45
2-Fluorobiphenyl
Concen: 86.762 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:172 Resp: 64467

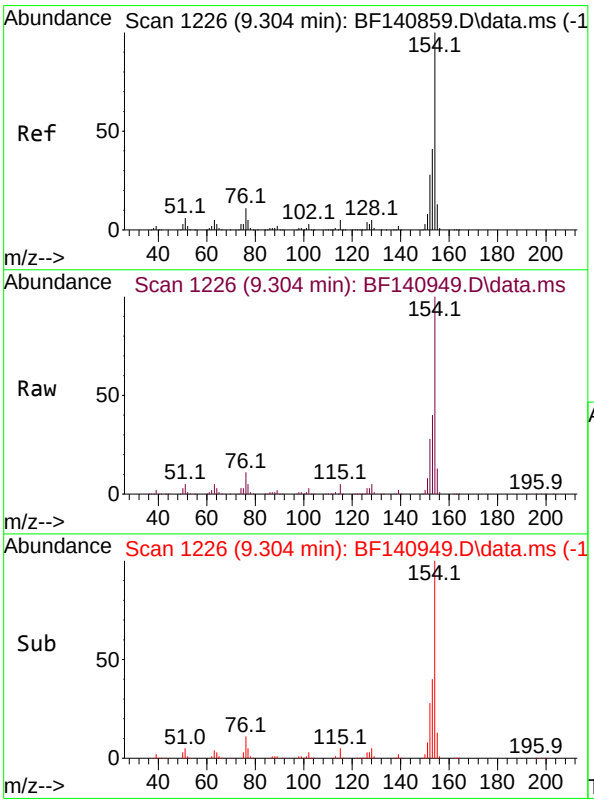
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.3 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

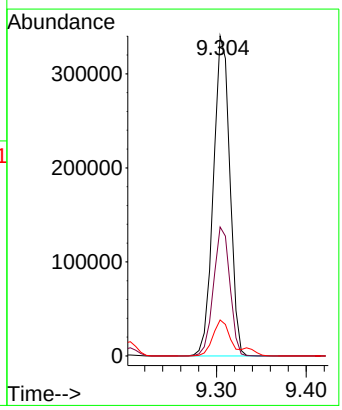
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

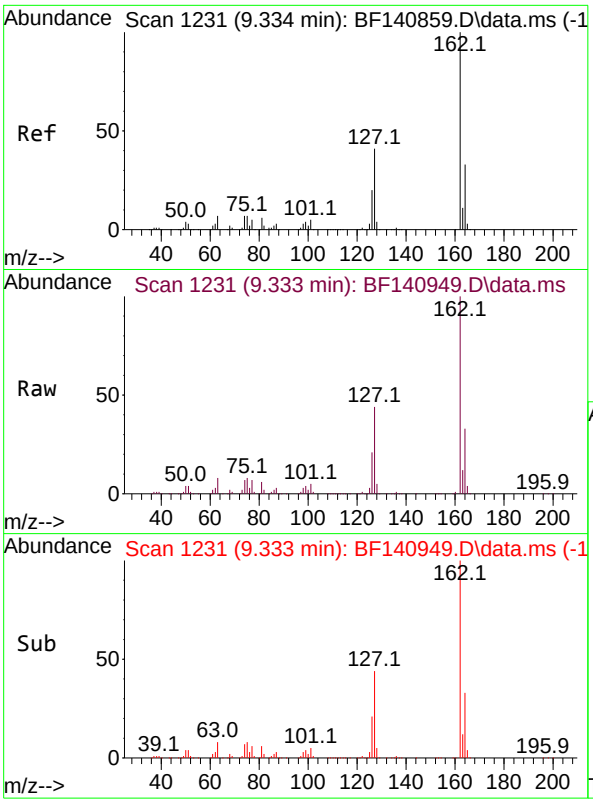



#46
1,1'-Biphenyl
Concen: 53.374 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:154 Resp: 433578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.8 | 60.8 |
| 76 | 11.3 | 0.0 | 31.0 |

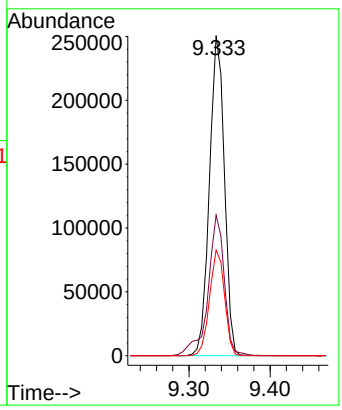





#47
2-Chloronaphthalene
Concen: 51.486 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

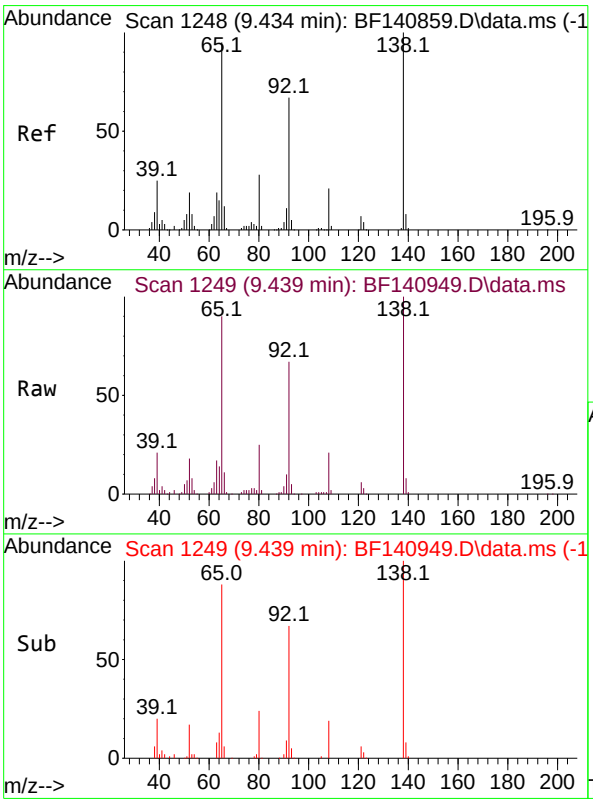
Tgt Ion:162 Resp: 31995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.9 | 33.5 | 50.3 |
| 164 | 33.0 | 26.2 | 39.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

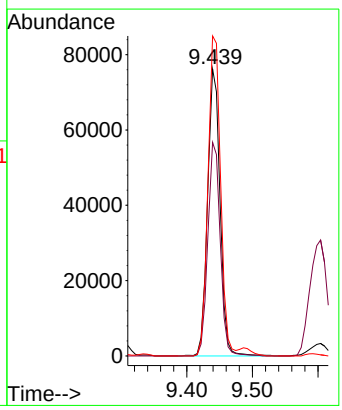
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

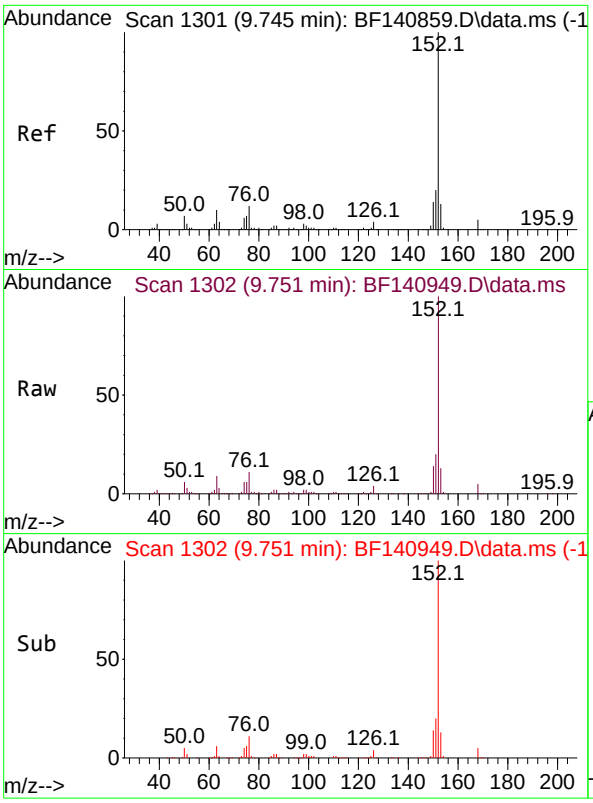



#48
2-Nitroaniline
Concen: 53.688 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 65 Resp: 100764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.4 | 56.3 | 84.5 |
| 138 | 111.5 | 83.8 | 125.6 |

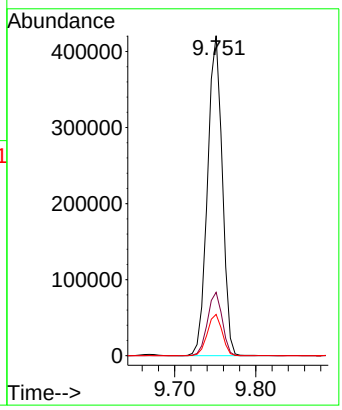





#49
Acenaphthylene
Concen: 57.943 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

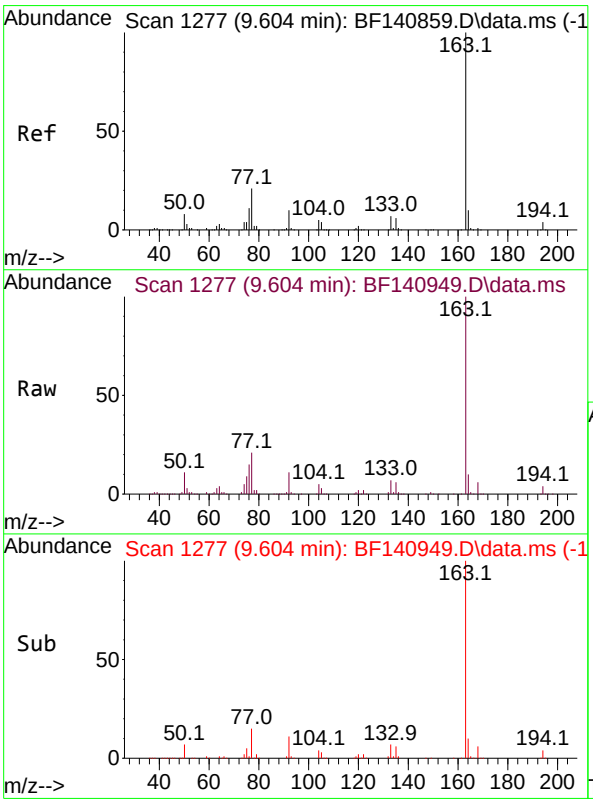
Tgt Ion:152 Resp: 52916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 12.9 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

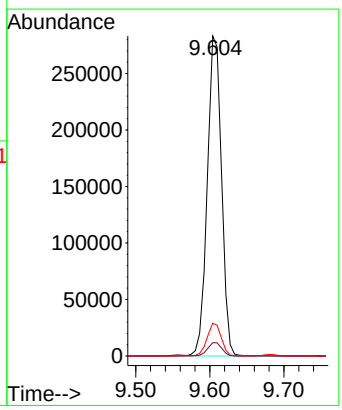
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

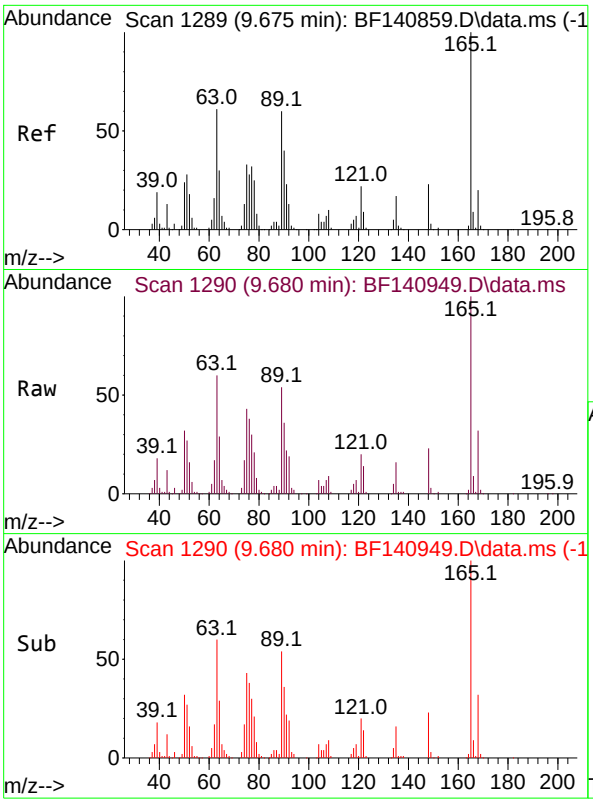



#50
Dimethylphthalate
Concen: 52.492 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:163 Resp: 378063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.2 | 8.1 | 12.1 |

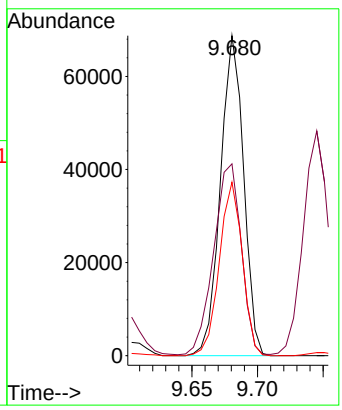





#51
2,6-Dinitrotoluene
Concen: 51.261 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

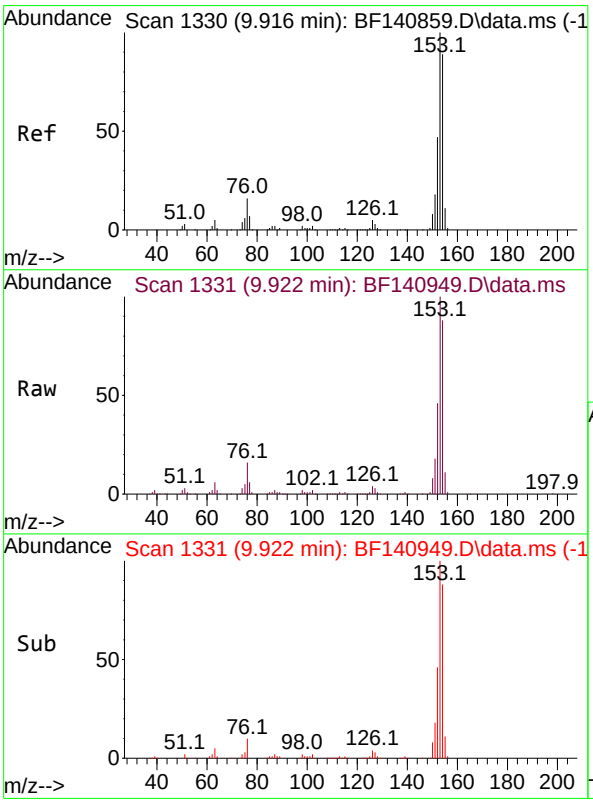
Tgt Ion:165 Resp: 8440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.9 | 49.7 | 74.5 |
| 89 | 54.2 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

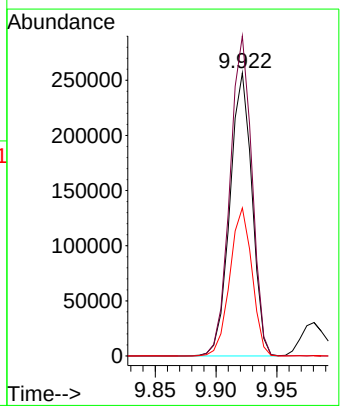
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

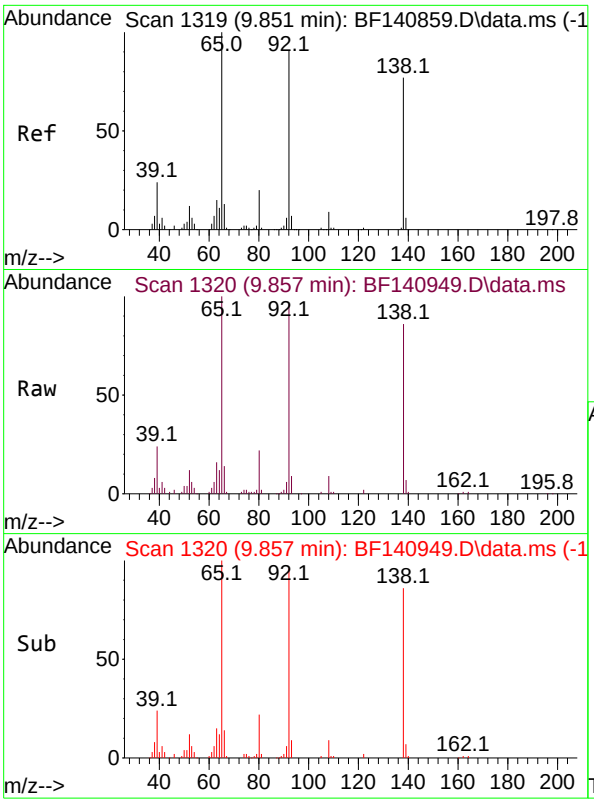



#52
Acenaphthene
Concen: 55.638 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:154 Resp: 324577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 89.9 | 134.9 |
| 152 | 52.3 | 42.6 | 63.8 |

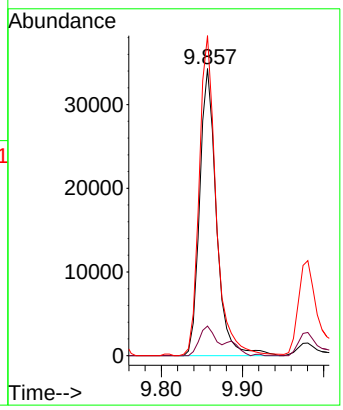





#53
3-Nitroaniline
Concen: 30.137 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:138 Resp: 4924

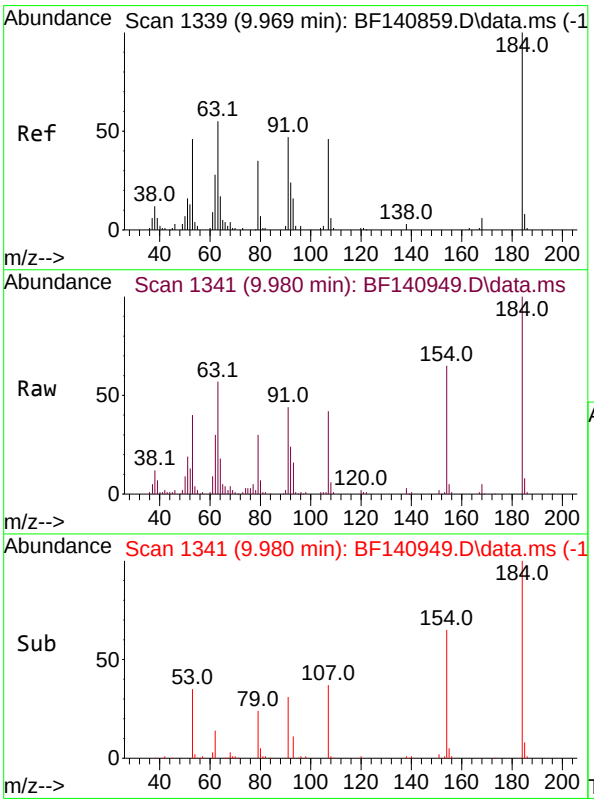
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 9.0 | 13.4 |
| 92 | 111.5 | 95.5 | 143.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

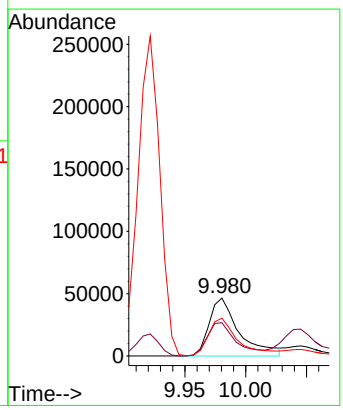
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

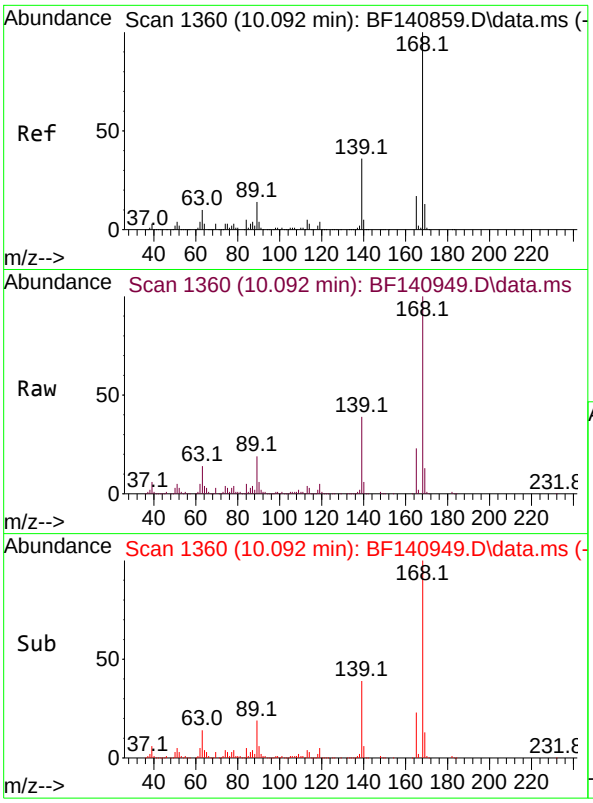



#54
2,4-Dinitrophenol
Concen: 97.834 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:184 Resp: 79873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 57.4 | 51.6 | 77.4 |
| 154 | 65.2 | 56.1 | 84.1 |






#55
Dibenzofuran
Concen: 54.567 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

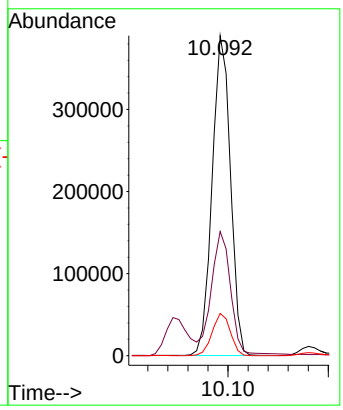
Tgt Ion:168 Resp: 49326

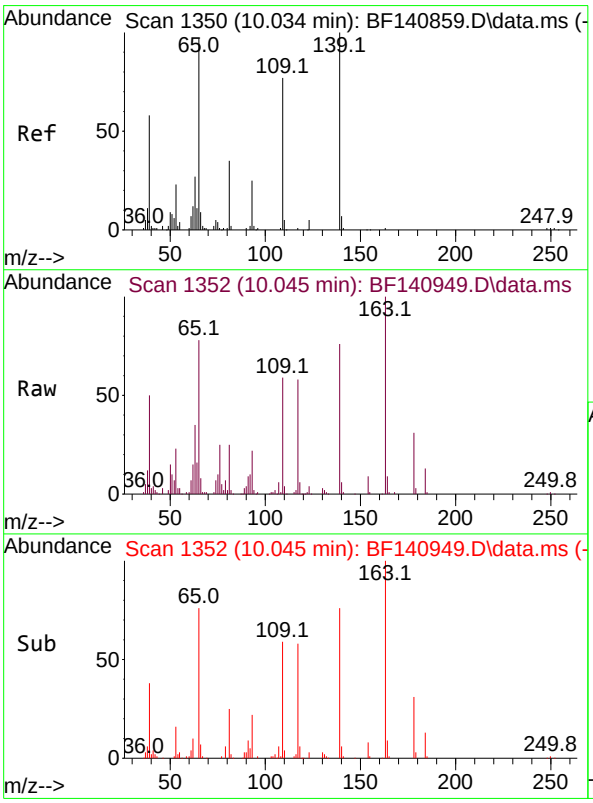
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.8 | 31.1 | 46.7 |
| 169 | 13.2 | 10.6 | 16.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

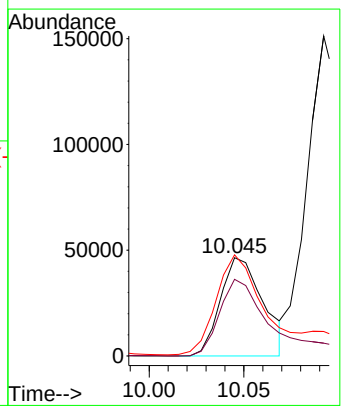


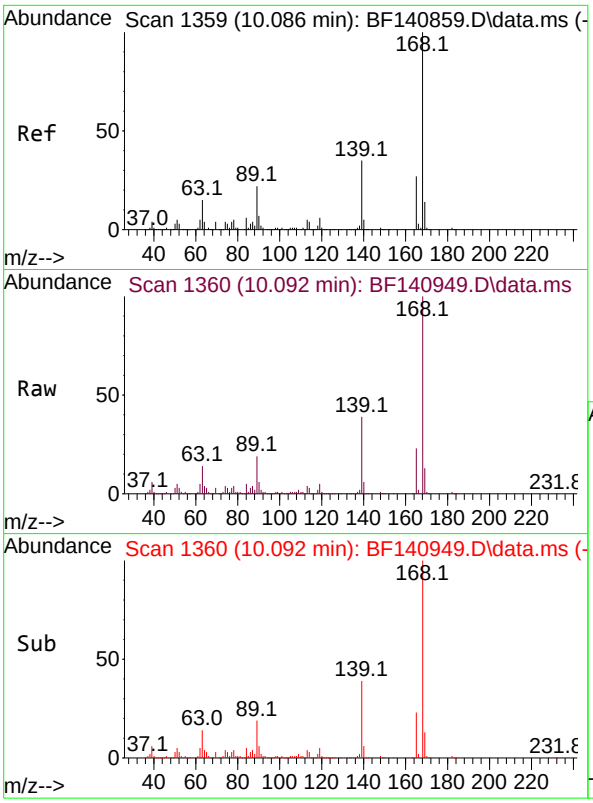




#56
4-Nitrophenol
Concen: 82.863 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 72978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.9 | 56.7 | 96.7 |
| 65 | 102.9 | 78.1 | 118.1 |

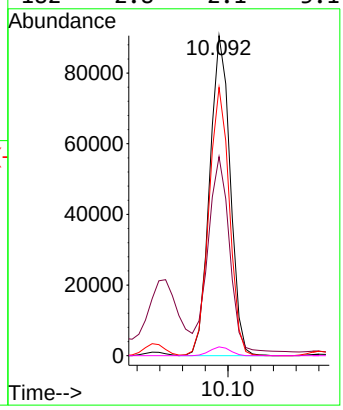





#57
2,4-Dinitrotoluene
Concen: 52.453 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:165 Resp: 11363

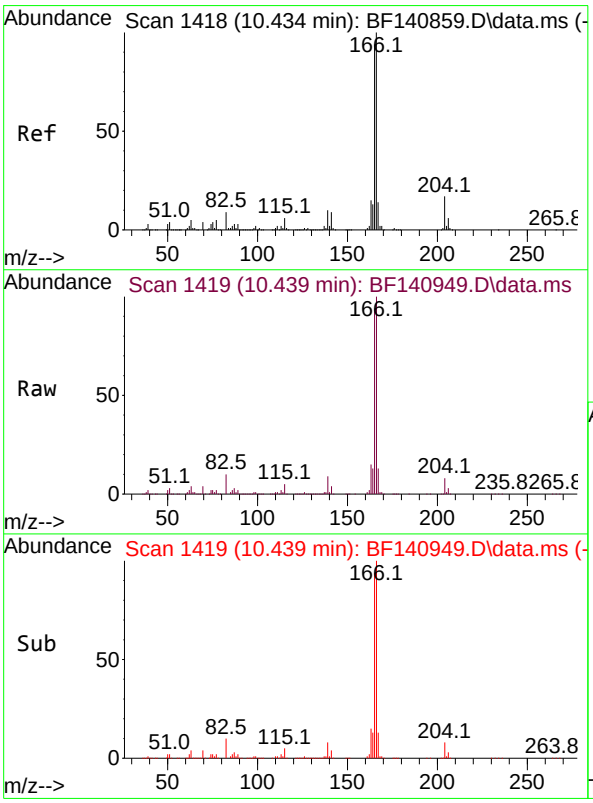
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.2 | 49.3 | 73.9 |
| 89 | 83.8 | 66.2 | 99.4 |
| 182 | 2.8 | 2.1 | 3.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**

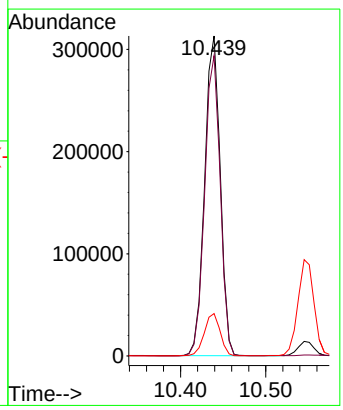
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

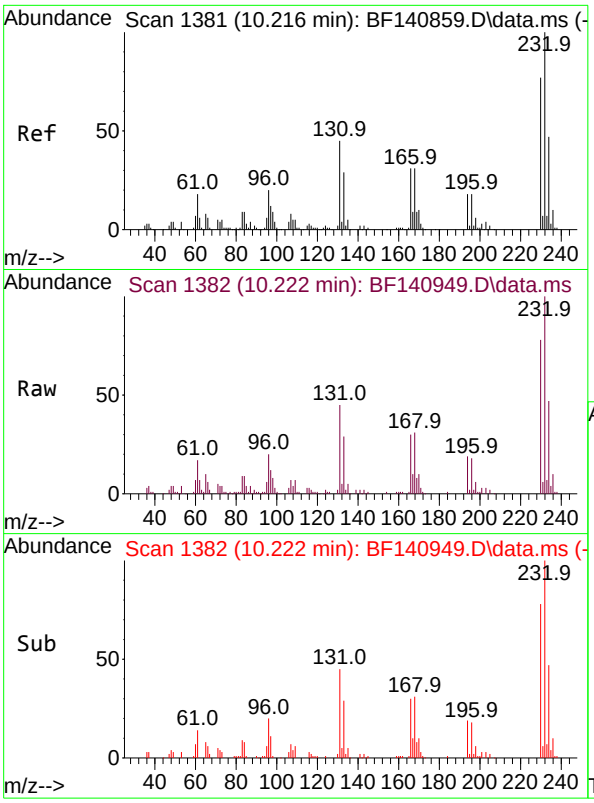



#58
Fluorene
Concen: 53.279 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:166 Resp: 397342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.8 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |

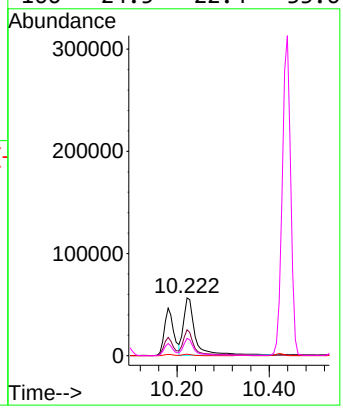





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.336 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

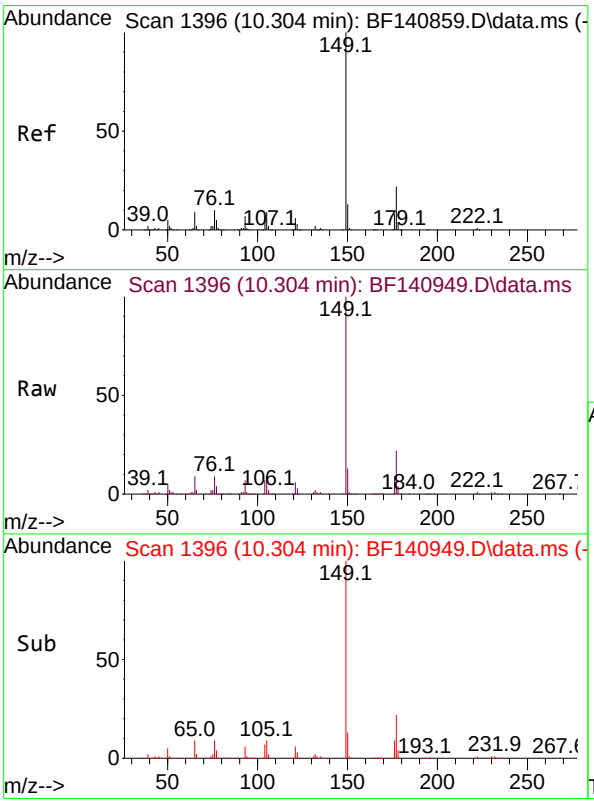
Tgt Ion:232 Resp: 9700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 36.7 | 35.1 | 52.7 |
| 130 | 2.0 | 1.8 | 2.8 |
| 166 | 24.5 | 22.4 | 33.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

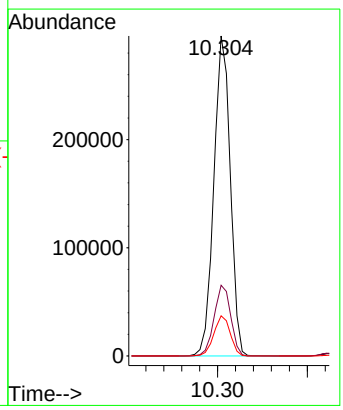
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

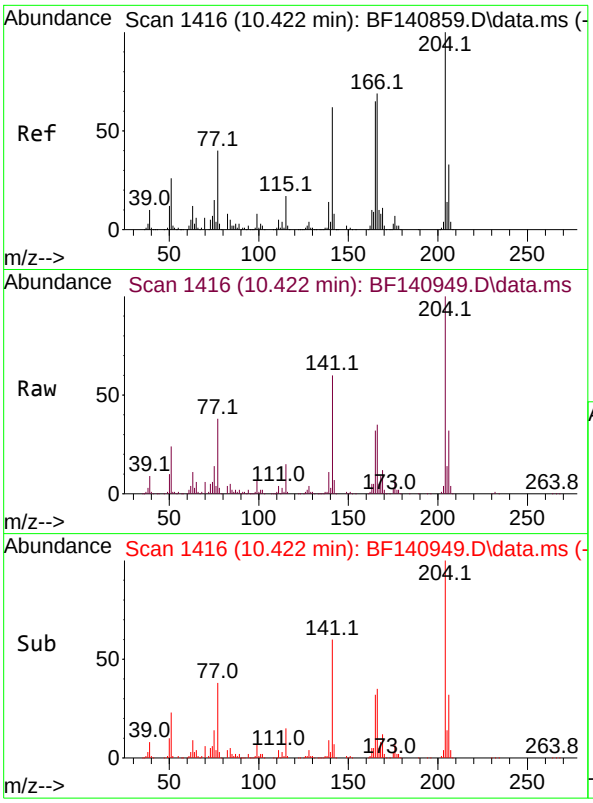



#60
Diethylphthalate
Concen: 50.345 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 376001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.2 | 25.8 |
| 150 | 12.6 | 10.1 | 15.1 |






#61
4-Chlorophenyl-phenylether
Concen: 51.761 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

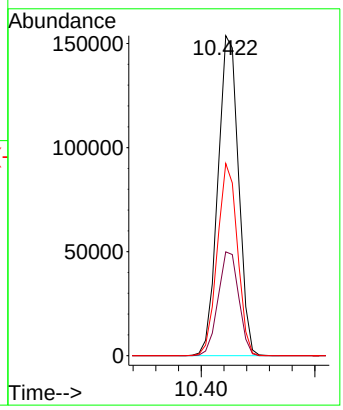
Tgt Ion:204 Resp: 19390

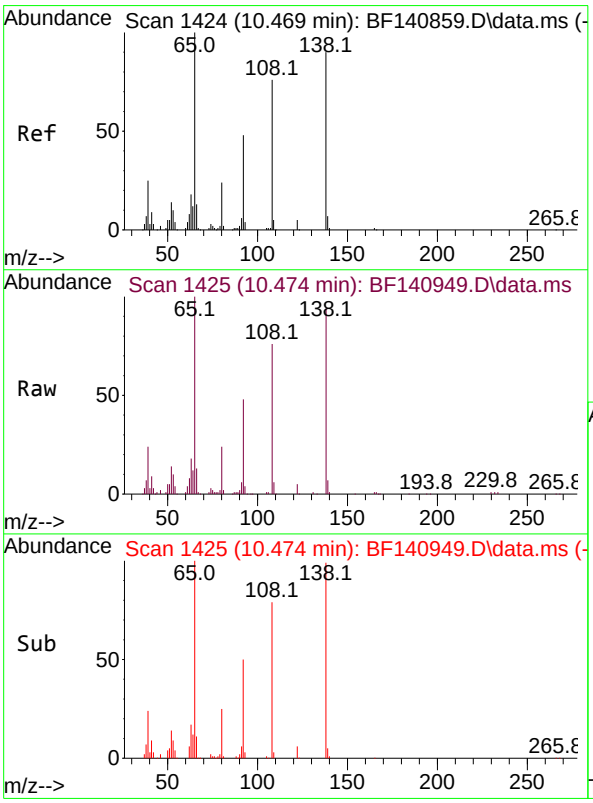
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 60.0 | 50.0 | 75.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

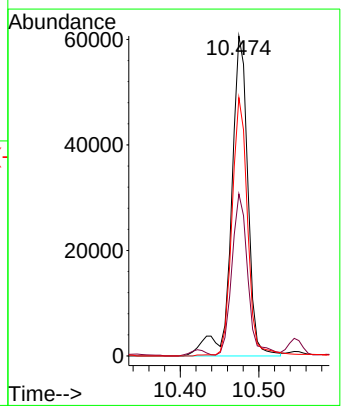


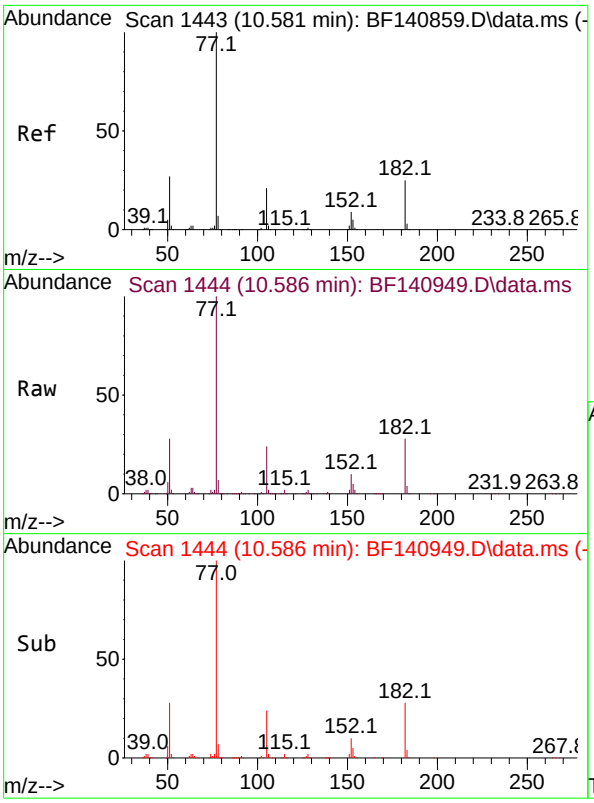




#62
4-Nitroaniline
Concen: 51.770 ng m
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:138 Resp: 88397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.7 | 32.6 | 72.6 |
| 108 | 80.7 | 64.1 | 104.1 |

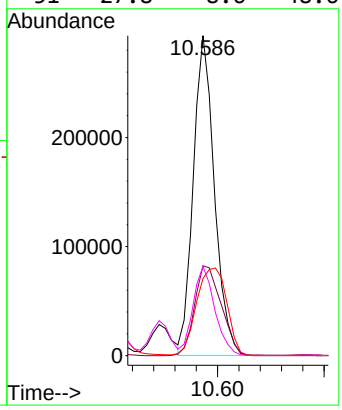





#63
Azobenzene
Concen: 57.590 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 77 Resp: 40435

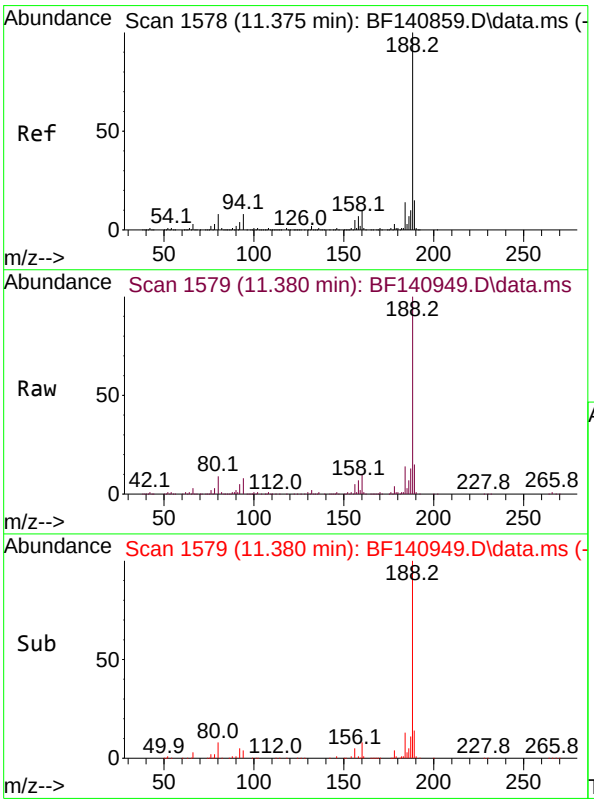
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.1 | 4.5 | 44.5 |
| 105 | 24.2 | 0.9 | 40.9 |
| 51 | 27.8 | 8.6 | 48.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

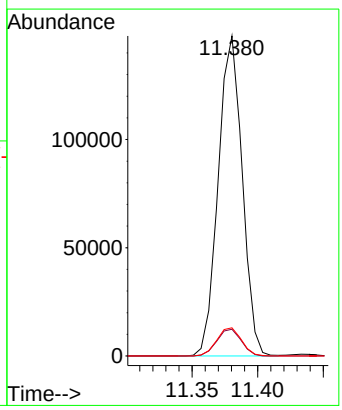
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

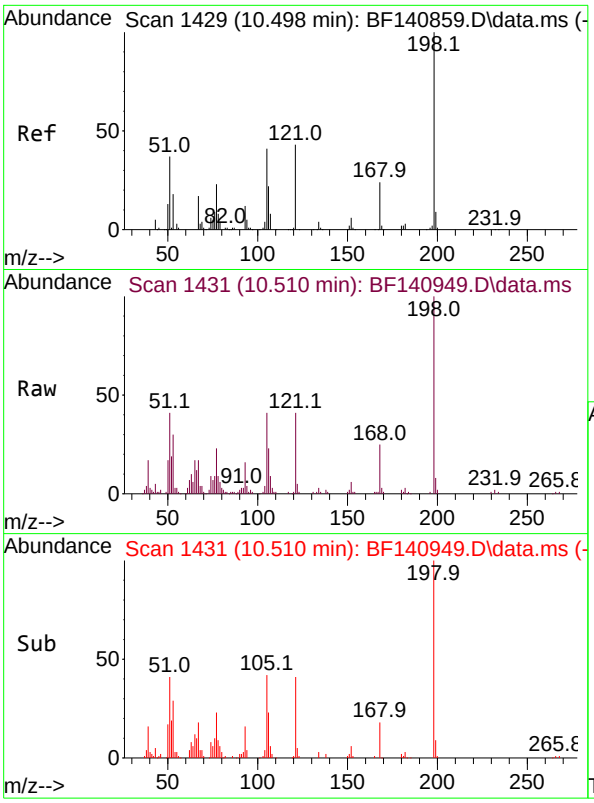



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:188 Resp: 188148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.4 | 9.6 |
| 80 | 8.8 | 6.8 | 10.2 |






#65
4,6-Dinitro-2-methylphenol
Concen: 60.672 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

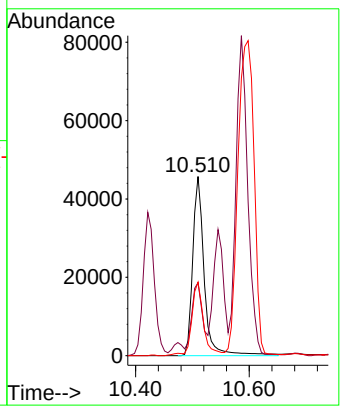
Tgt Ion:198 Resp: 6468

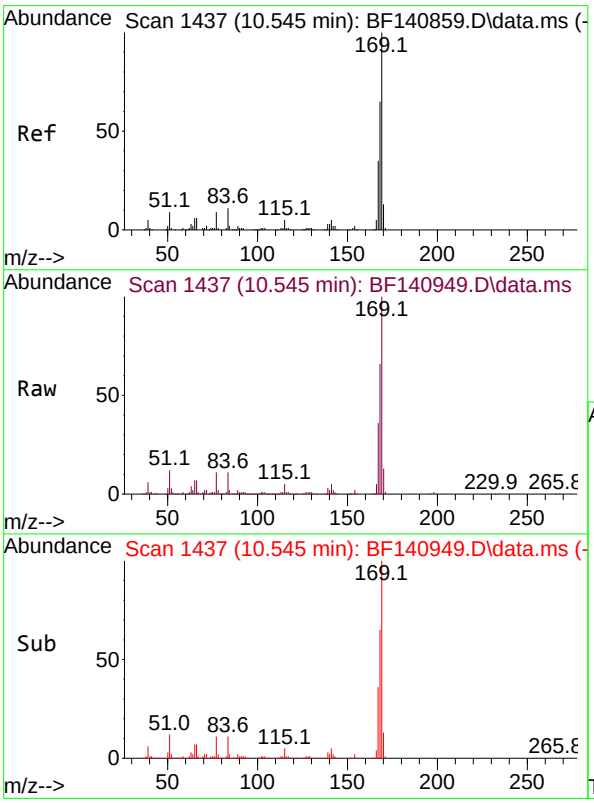
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.7 | 24.4 | 64.4 |
| 105 | 41.0 | 22.1 | 62.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

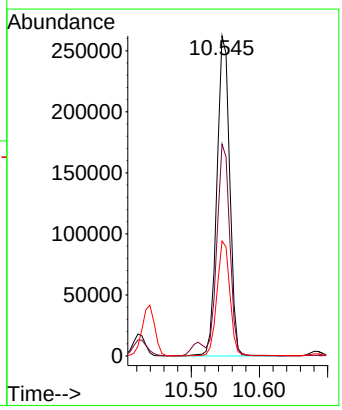


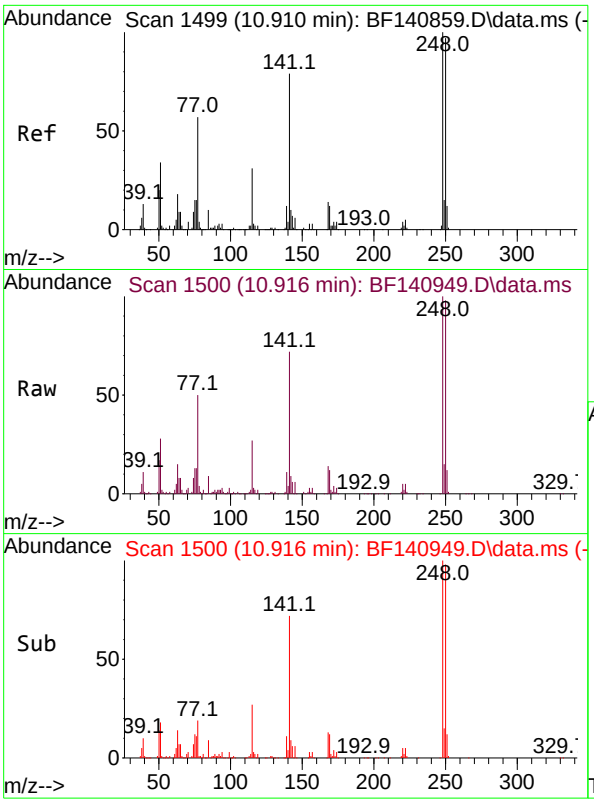




#66
n-Nitrosodiphenylamine
Concen: 58.988 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:169 Resp: 341229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.4 | 80.0 |
| 167 | 36.0 | 28.3 | 42.5 |

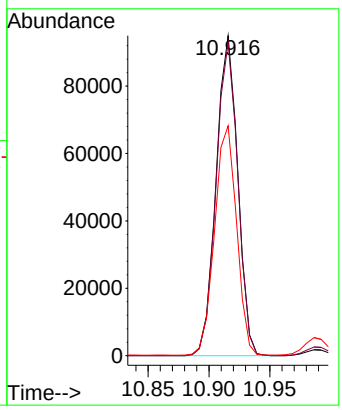





#67
4-Bromophenyl-phenylether
Concen: 55.838 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:248 Resp: 11753

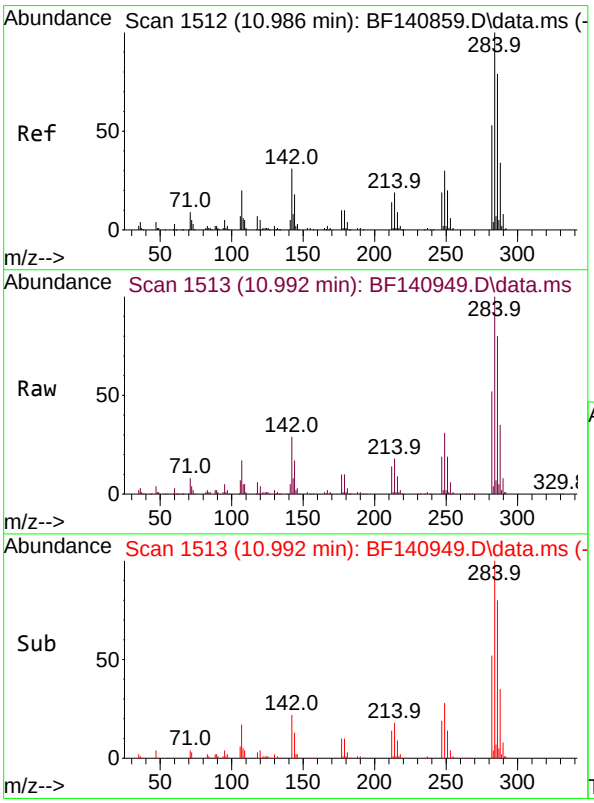
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.4 | 116.2 |
| 141 | 71.8 | 62.9 | 94.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

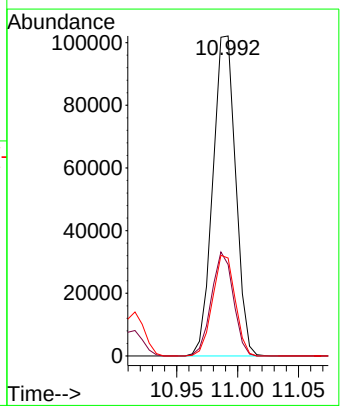
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

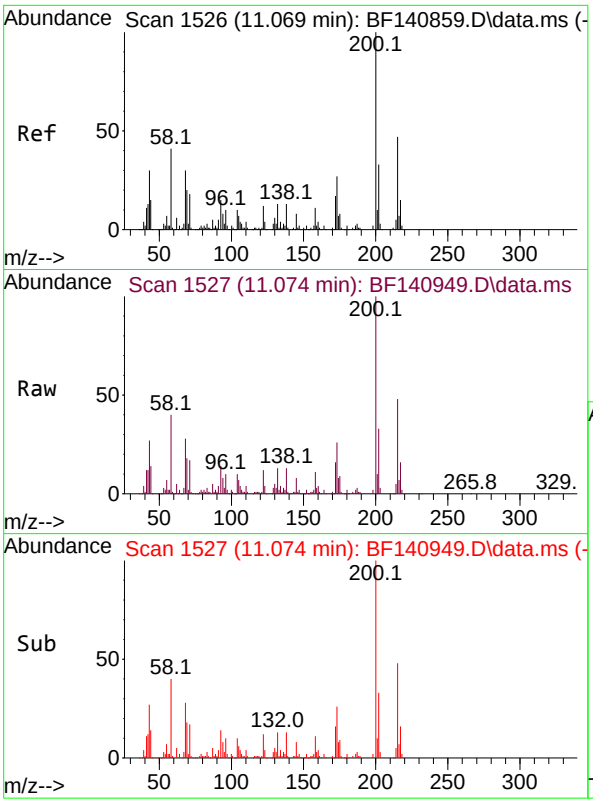



#68
Hexachlorobenzene
Concen: 55.821 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:284 Resp: 133215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.6 | 24.6 | 36.8 |
| 249 | 30.6 | 24.3 | 36.5 |

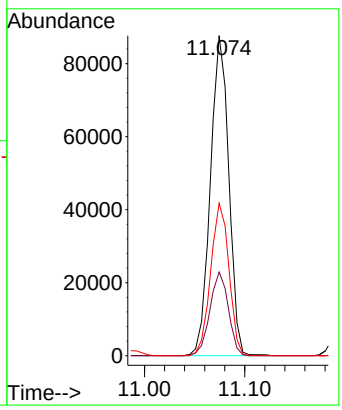





#69
Atrazine
Concen: 69.163 ng
RT: 11.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:200 Resp: 11173

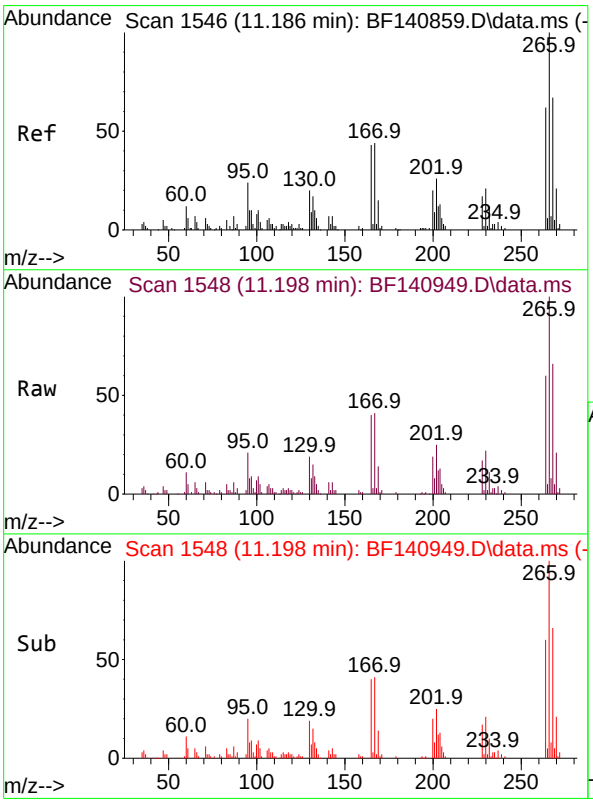
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.1 | 6.6 | 46.6 |
| 215 | 47.6 | 26.7 | 66.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

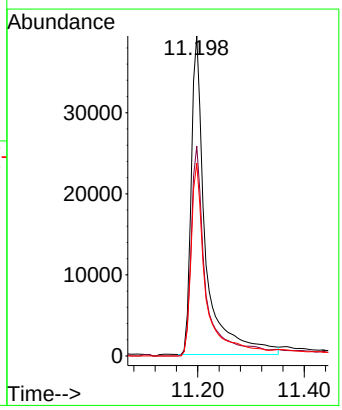
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

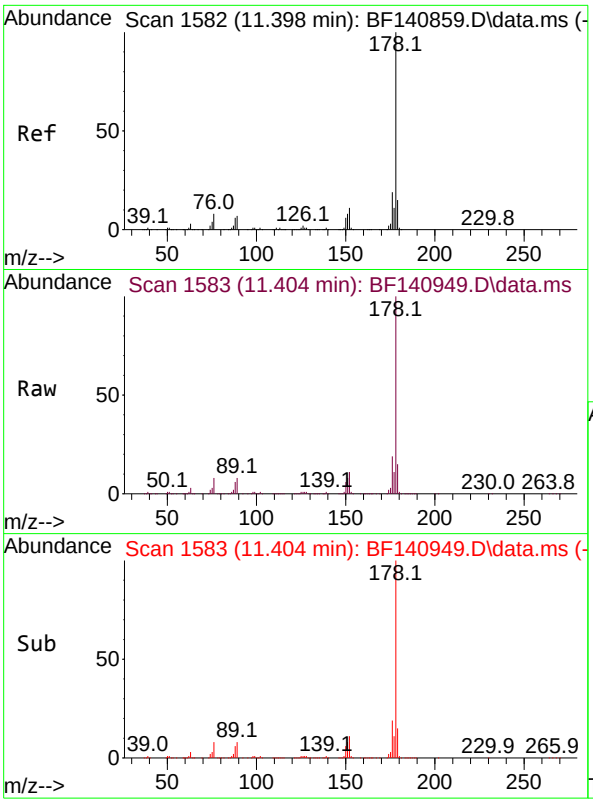



#70
Pentachlorophenol
Concen: 85.412 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:266 Resp: 74523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.6 | 54.0 | 81.0 |
| 264 | 60.3 | 49.4 | 74.2 |

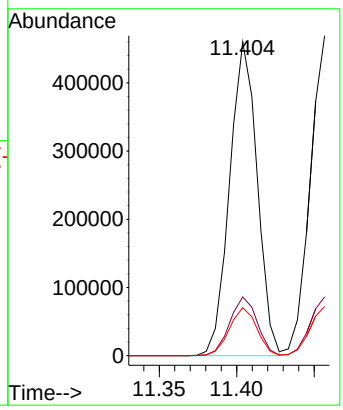





#71
Phenanthrene
Concen: 58.813 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:178 Resp: 56903

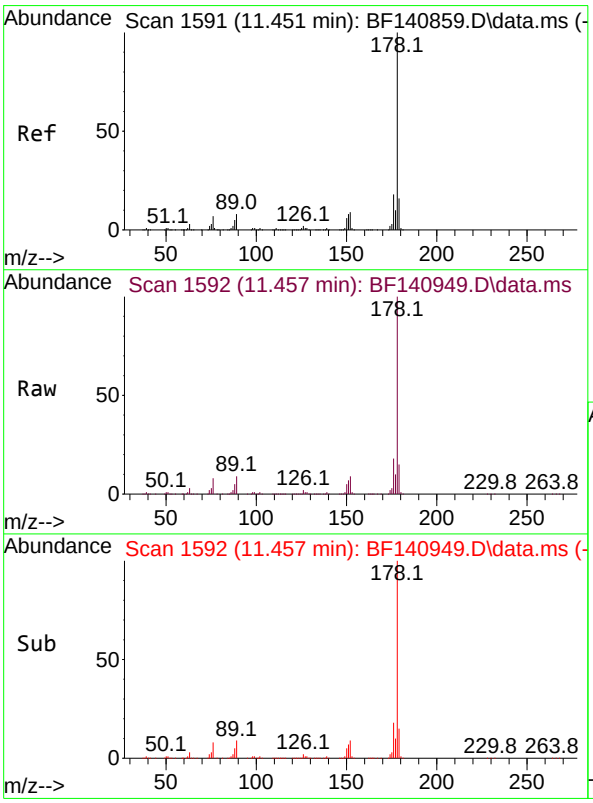
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 15.3 | 12.1 | 18.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

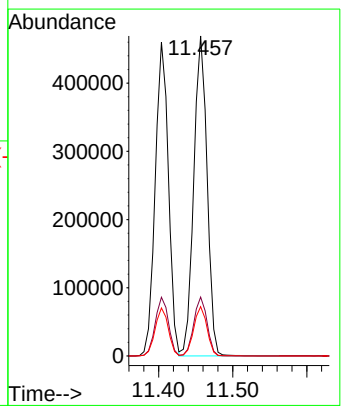
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

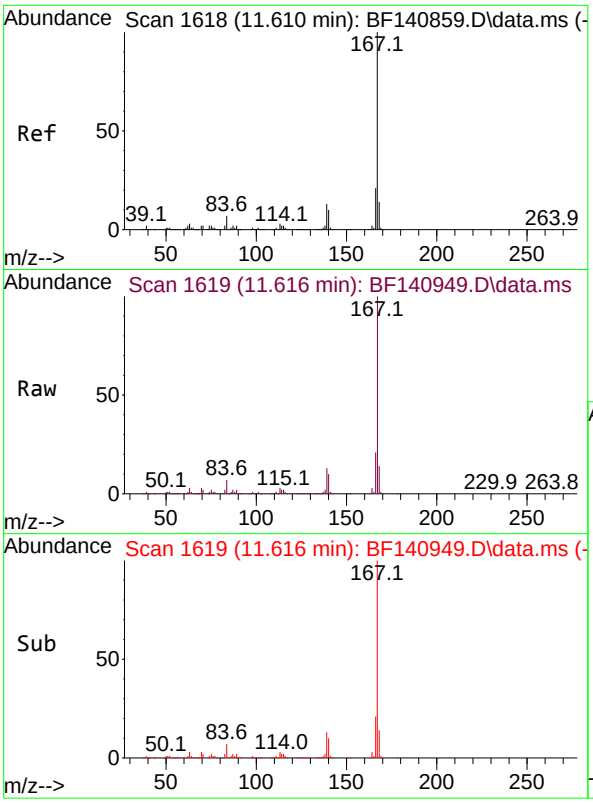



#72
Anthracene
Concen: 61.442 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:178 Resp: 585440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |

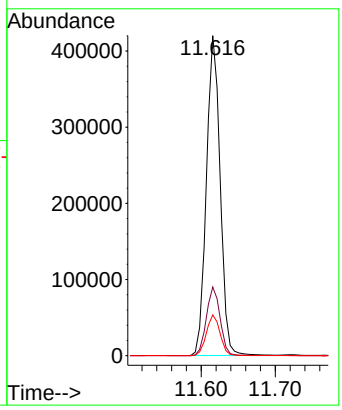





#73
Carbazole
Concen: 57.981 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:167 Resp: 54113

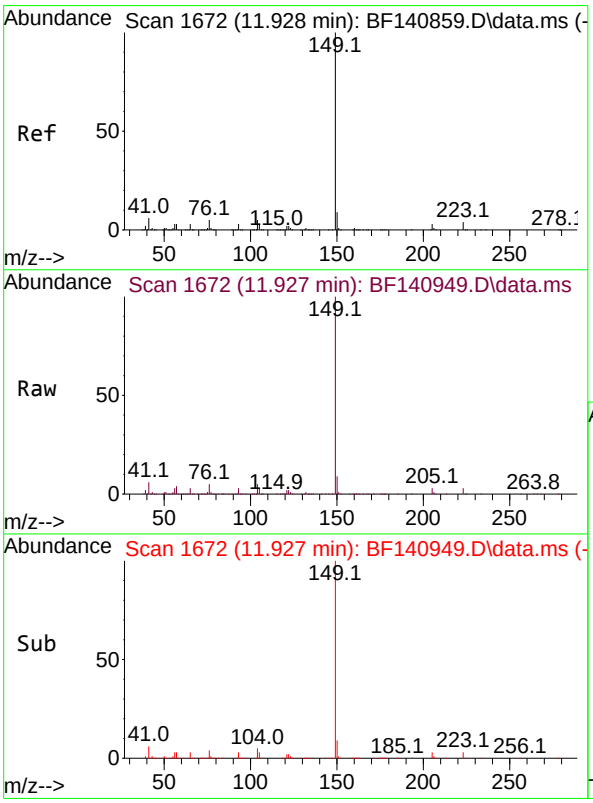
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.6 |
| 139 | 12.7 | 10.2 | 15.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

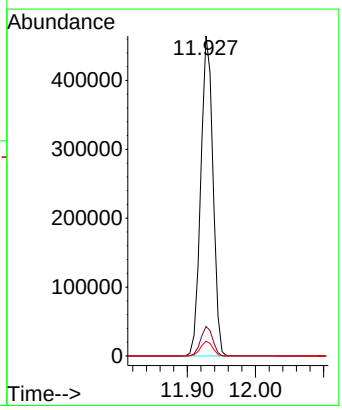
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

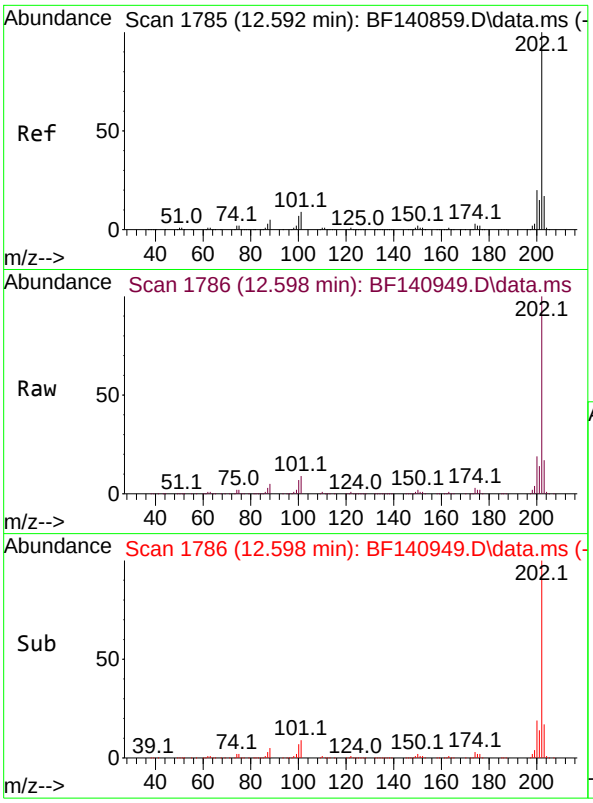



#74
Di-n-butylphthalate
Concen: 52.767 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 577959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |

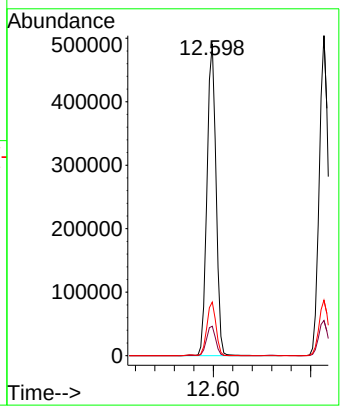





#75
Fluoranthene
Concen: 56.429 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:202 Resp: 62877

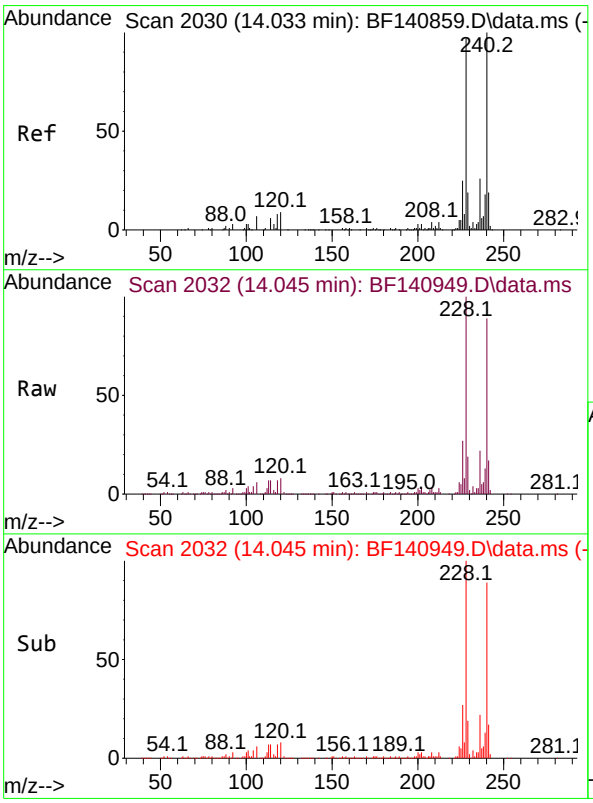
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 29.3 |
| 203 | 17.2 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

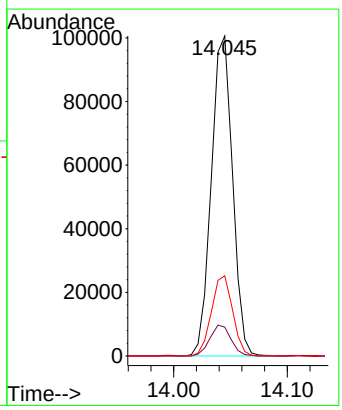
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

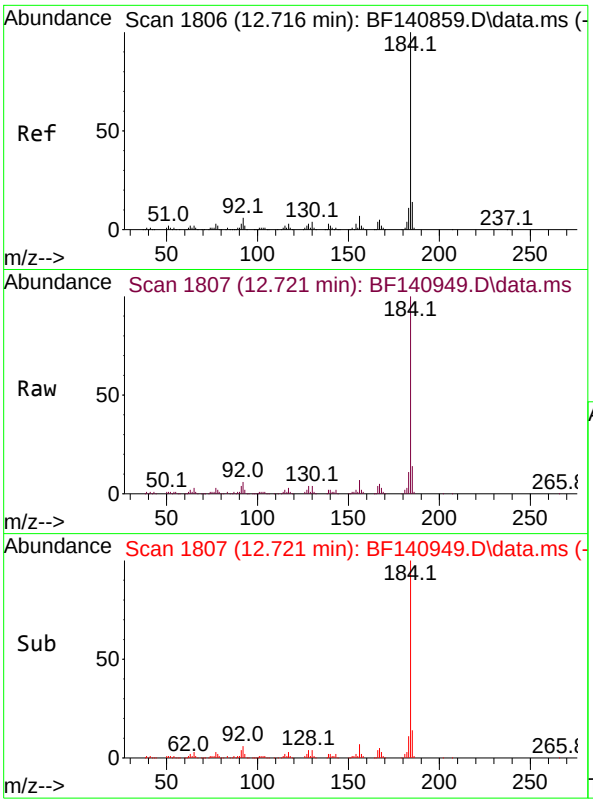



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:240 Resp: 131096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 7.6 | 11.4 |
| 236 | 25.0 | 20.5 | 30.7 |

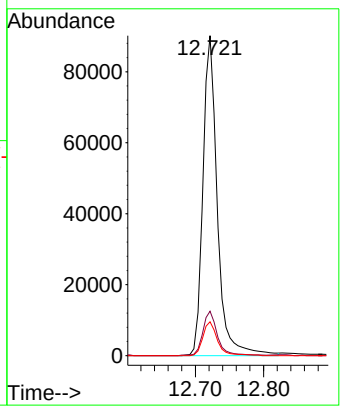





#77
Benzidine
Concen: 49.567 ng
RT: 12.721 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:184 Resp: 13262

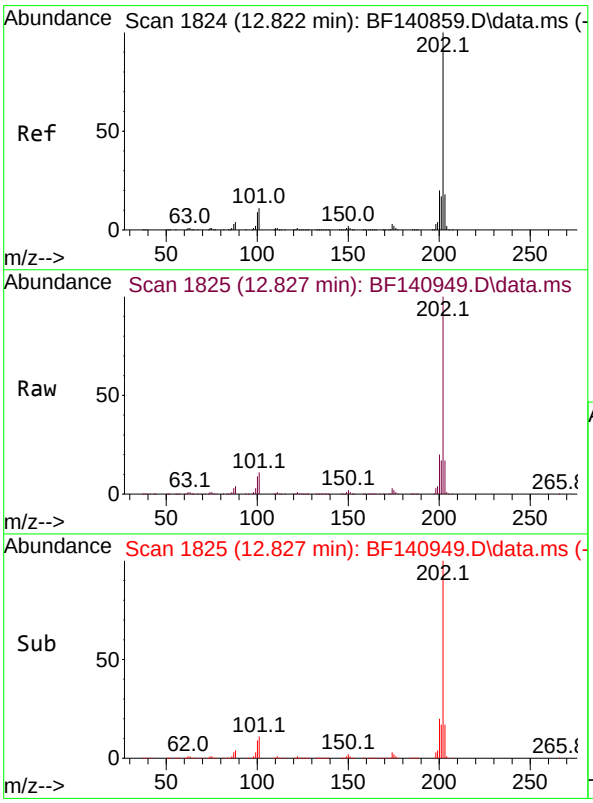
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.1 | 16.7 |
| 183 | 10.6 | 9.0 | 13.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

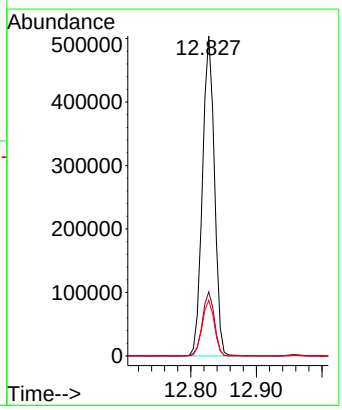
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

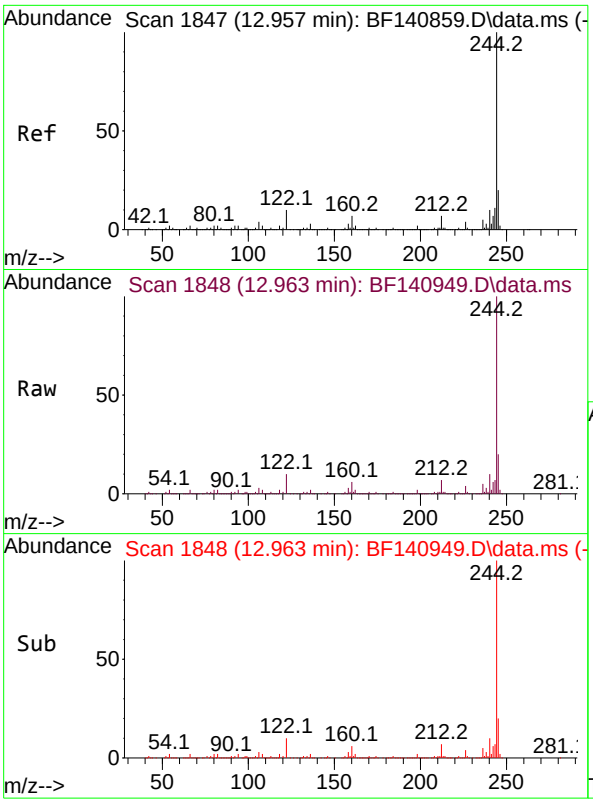



#78
Pyrene
Concen: 55.145 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:202 Resp: 642867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 16.1 | 24.1 |
| 203 | 17.4 | 14.2 | 21.4 |

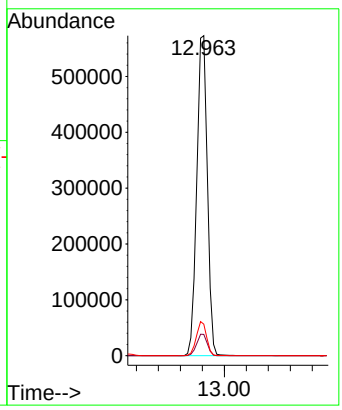





#79
Terphenyl-d14
Concen: 92.274 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:244 Resp: 76713

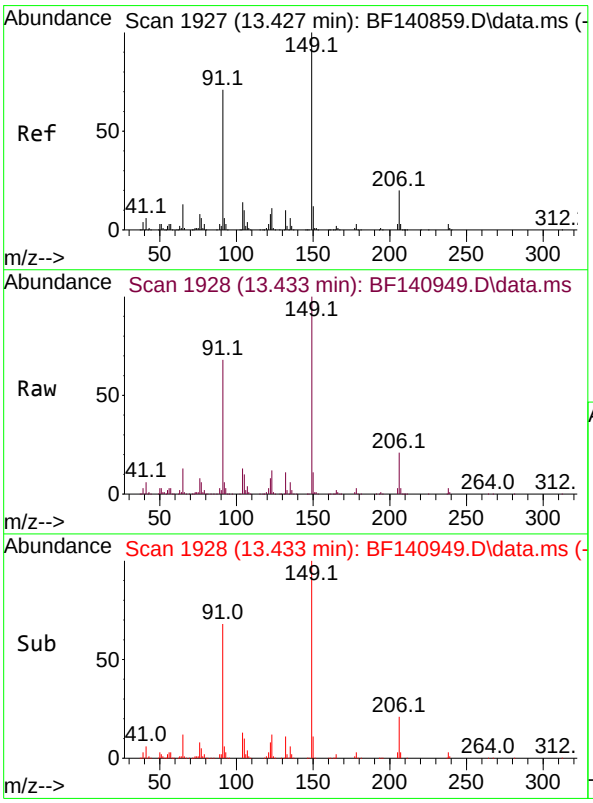
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 9.8 | 8.2 | 12.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

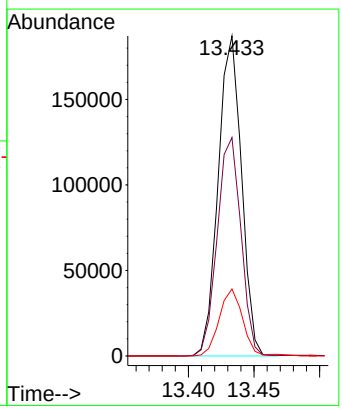
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

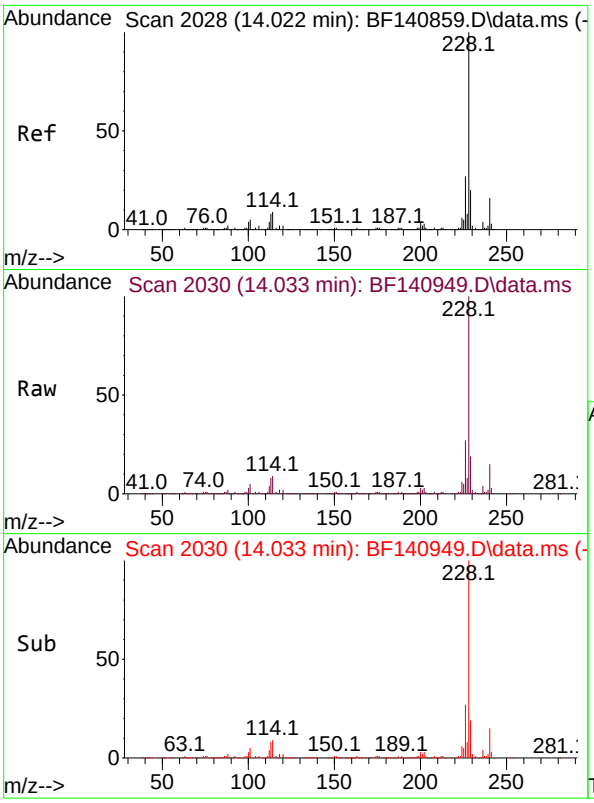



#80
Butylbenzylphthalate
Concen: 53.914 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 231266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.2 | 56.7 | 85.1 |
| 206 | 21.0 | 16.4 | 24.6 |

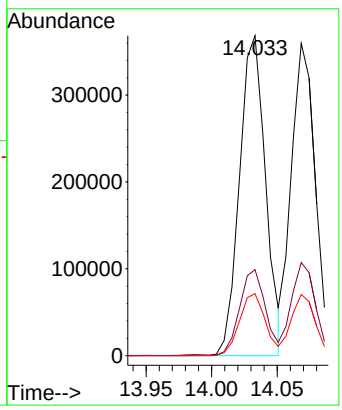





#81
Benzo(a)anthracene
Concen: 54.752 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:228 Resp: 50870

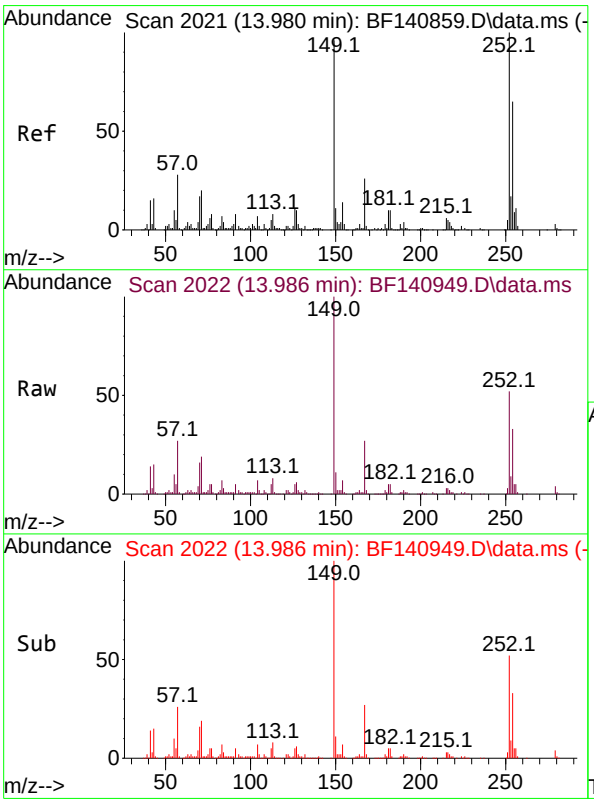
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.4 | 15.8 | 23.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

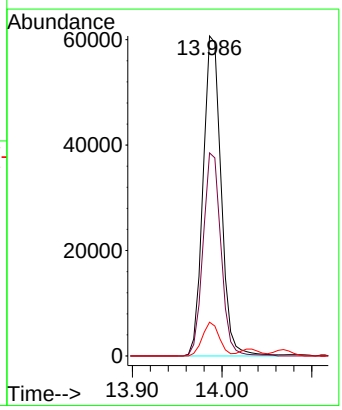
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

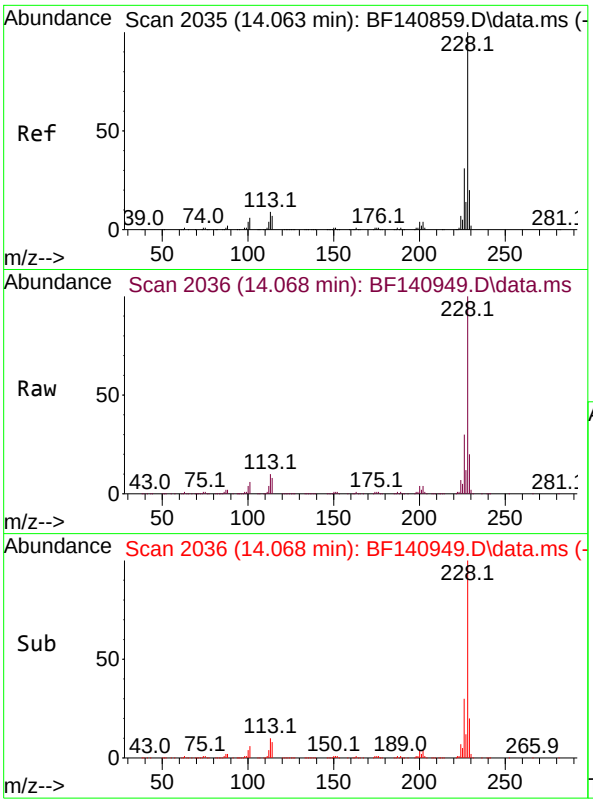



#82
3,3'-Dichlorobenzidine
Concen: 30.219 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 84711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.5 | 52.3 | 78.5 |
| 126 | 10.5 | 8.4 | 12.6 |

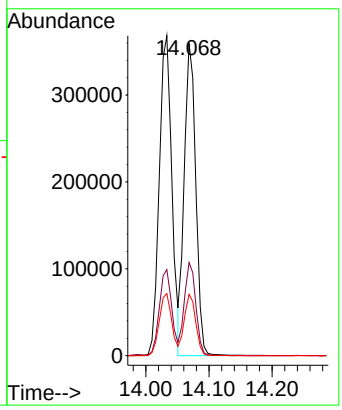





#83
Chrysene
Concen: 54.249 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:228 Resp: 45834

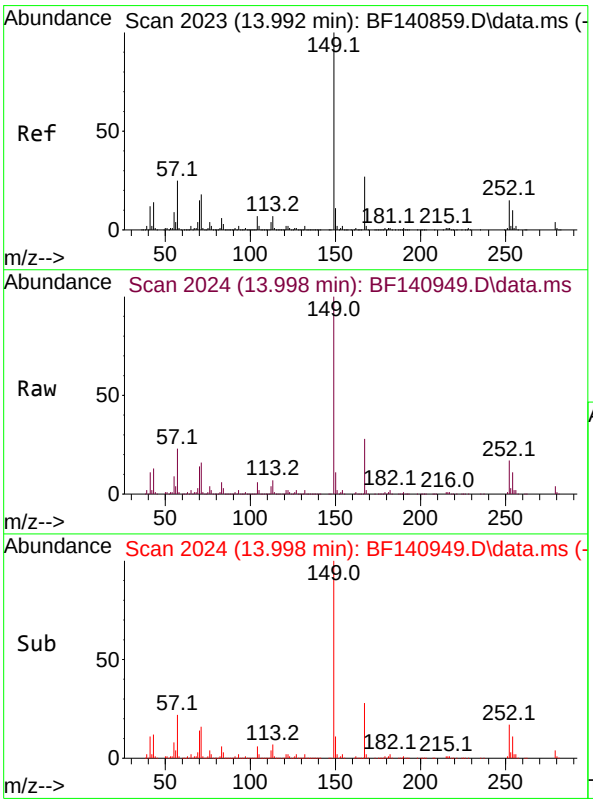
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

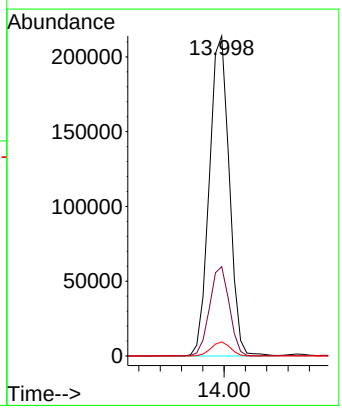
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

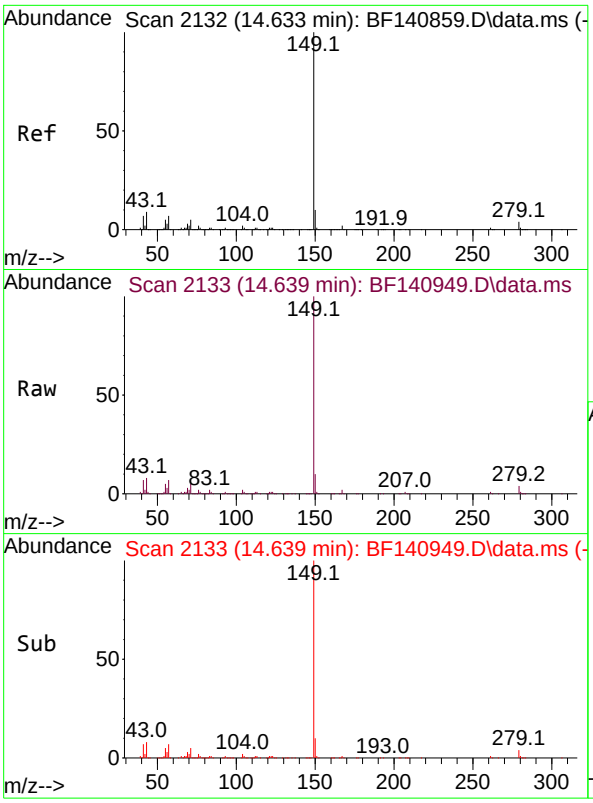



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.188 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 277592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 21.8 | 32.8 |
| 279 | 4.4 | 3.5 | 5.3 |

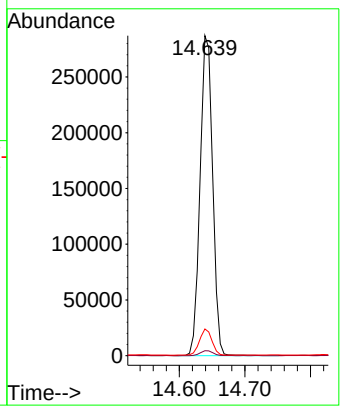





#85
Di-n-octyl phthalate
Concen: 45.836 ng
RT: 14.639 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 38354

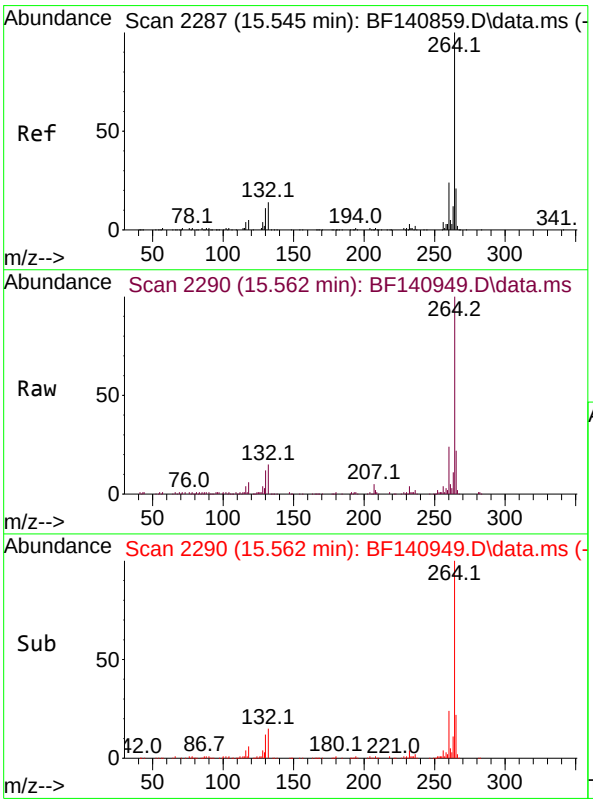
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**

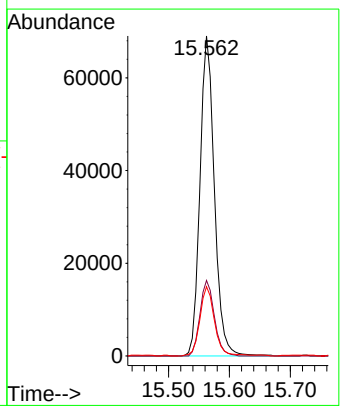
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

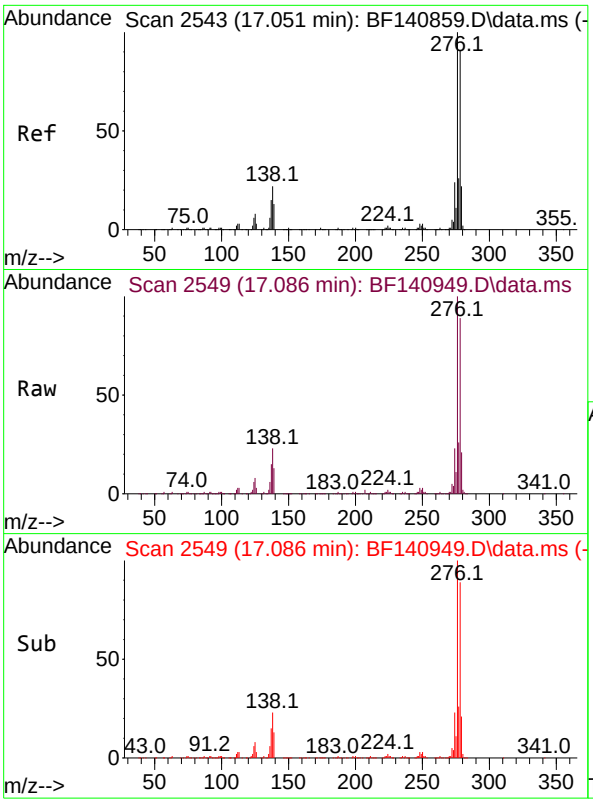



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.017 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:264 Resp: 113765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.1 | 28.7 |
| 265 | 21.6 | 17.0 | 25.4 |

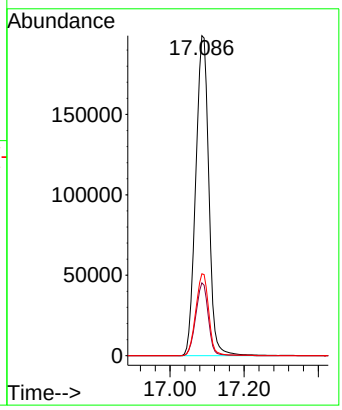





#87
Indeno(1,2,3-cd)pyrene
Concen: 68.540 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:276 Resp: 48659

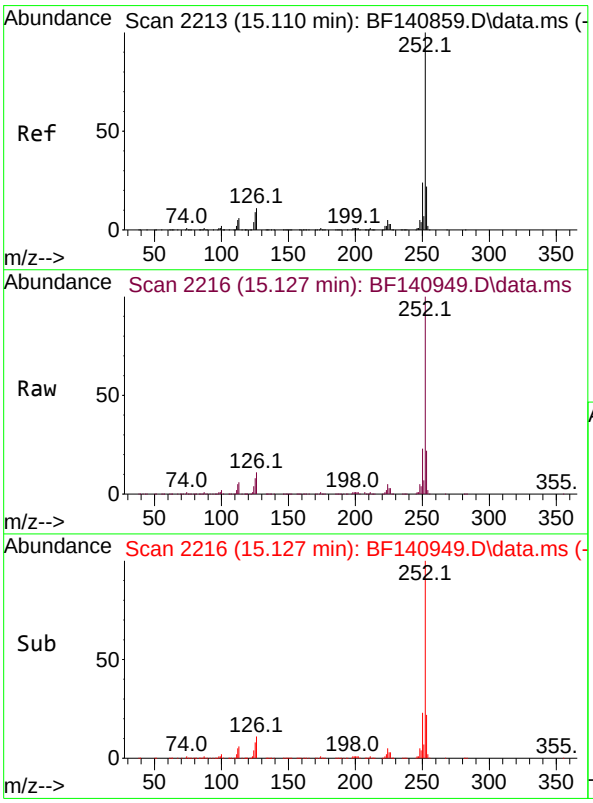
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 16.9 | 25.3 |
| 277 | 25.4 | 20.2 | 30.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations APPROVED**

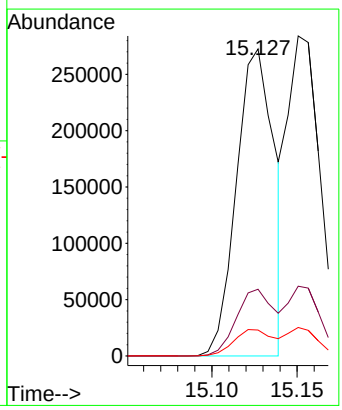
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

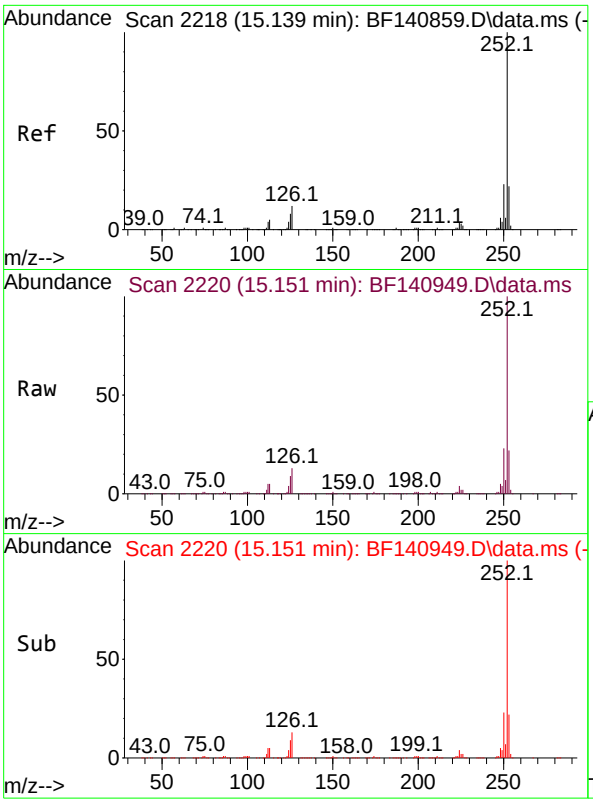



#88
Benzo(b)fluoranthene
Concen: 53.241 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.017 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 420442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 8.4 | 7.0 | 10.4 |

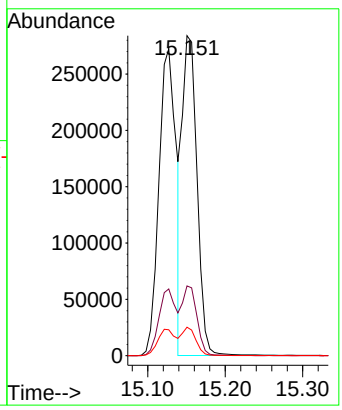





#89
Benzo(k)fluoranthene
Concen: 55.882 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 37854

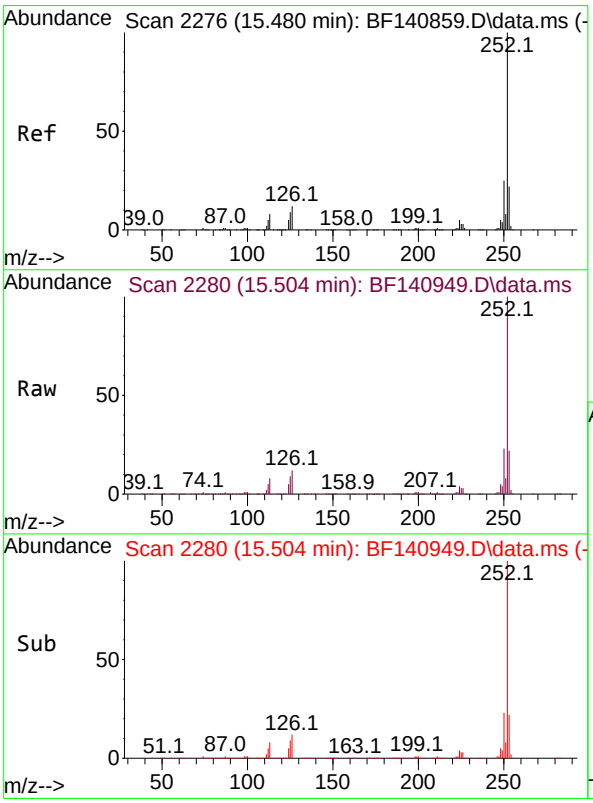
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 8.9 | 6.8 | 10.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

**Manual Integrations**
**APPROVED**

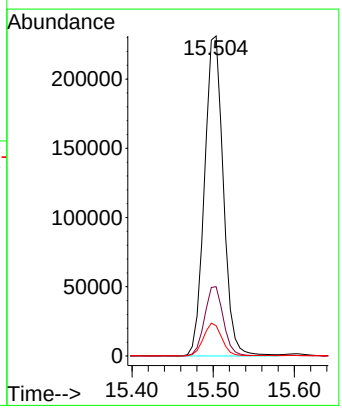
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

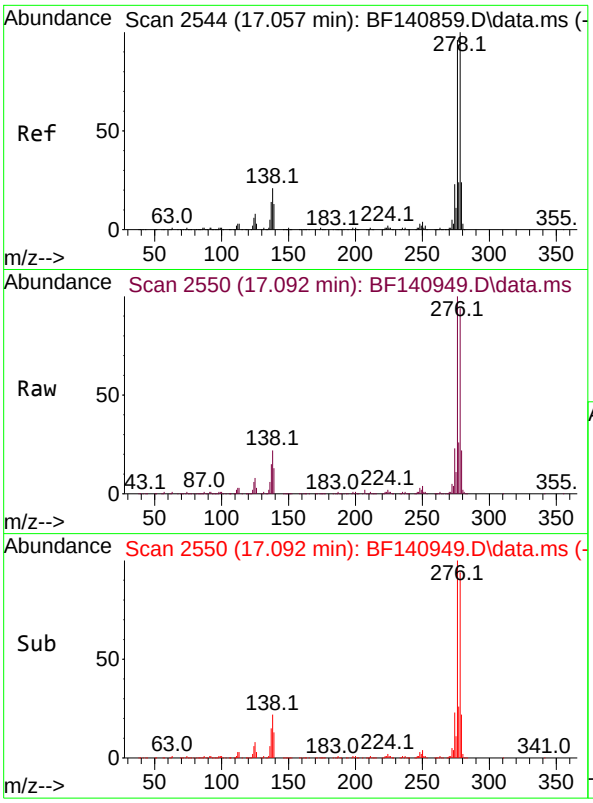



#90
Benzo(a)pyrene
Concen: 60.174 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.023 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 372093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.5 | 7.5 | 11.3 |

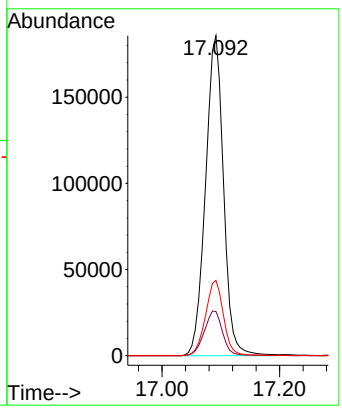





#91
Dibenzo(a,h)anthracene
Concen: 67.298 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

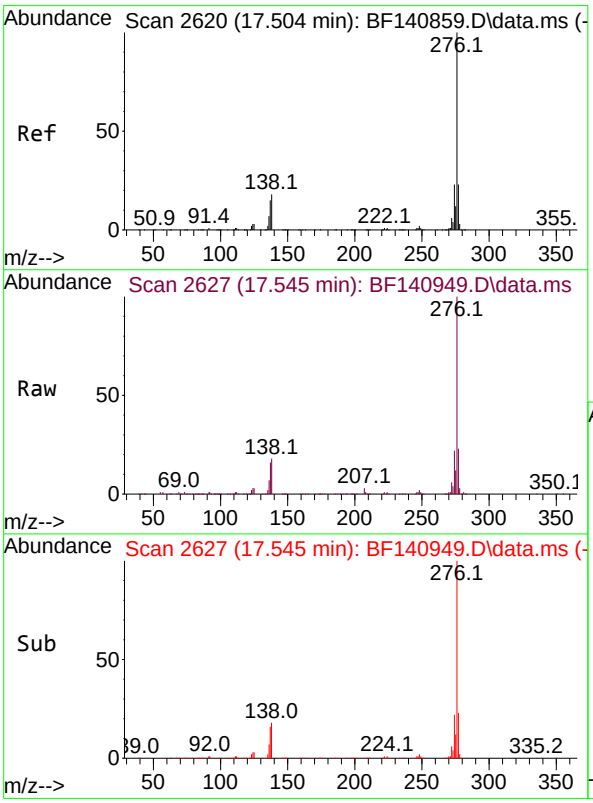
Tgt Ion:278 Resp: 39581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.5 | 19.2 | 28.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

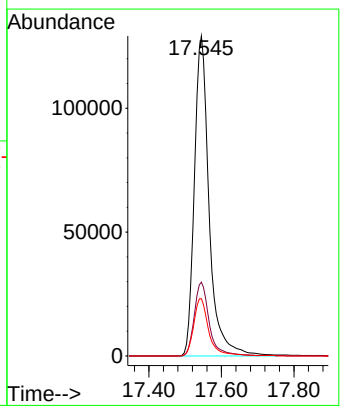
**Manual Integrations**
**APPROVED**
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024




#92
Benzo(g,h,i)perylene
Concen: 61.149 ng
RT: 17.545 min Scan# 2627
Delta R.T. 0.041 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:276 Resp: 366040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.0 | 18.7 | 28.1 |
| 138 | 17.9 | 14.2 | 21.2 |



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# Manual Integration Report

| Sequence: | BF121624 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BF140857.D | 4-Nitrophenol | yogesh | 12/18/2024 1:39:47 AM | mohammad | 12/18/2024 2:36:39 AM | Peak Integrated by Software |
| SSTDICC010 | BF140857.D | Pentachlorophenol | yogesh | 12/18/2024 1:39:47 AM | mohammad | 12/18/2024 2:36:39 AM | Peak Integrated by Software |
| SSTDICC020 | BF140858.D | Pentachlorophenol | yogesh | 12/18/2024 1:39:48 AM | mohammad | 12/18/2024 2:36:39 AM | Peak Integrated by Software |
| SSTDICC080 | BF140862.D | Caprolactam | yogesh | 12/18/2024 1:39:50 AM | mohammad | 12/18/2024 2:36:39 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF122024 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF140942.D | 4-Nitroaniline | Jagrut | 12/23/2024 10:15:03 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| PB165705BS | BF140944.D | 4-Nitroaniline | Jagrut | 12/23/2024 10:15:06 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| PB165705BS | BF140944.D | Caprolactam | Jagrut | 12/23/2024 10:15:06 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| P5306-09MS | BF140948.D | 4-Nitroaniline | Jagrut | 12/23/2024 10:15:09 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| P5306-09MS | BF140948.D | Caprolactam | Jagrut | 12/23/2024 10:15:09 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| P5306-09MSD | BF140949.D | 4-Nitroaniline | Jagrut | 12/23/2024 10:15:11 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| P5306-09MSD | BF140949.D | Caprolactam | Jagrut | 12/23/2024 10:15:11 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |
| SSTDCCC040 | BF140959.D | 4-Nitroaniline | Jagrut | 12/23/2024 10:15:20 AM | mohammad | 12/24/2024 11:31:08 PM | Peak Integrated by Software |

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Fax : 908 789 8922

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/18/2024 1:40:10 AM | | | | |
| Supervise By | mohammad | Supervise On | 12/18/2024 2:36:39 AM | | | | |
| SubDirectory | BF121624 | HP Acquire Method | BNA_F | | HP Processing Method | Bf121624 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12331,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF140854.D | 16 Dec 2024 11:21 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF140855.D | 16 Dec 2024 12:13 | RC/JU | Ok |
| 3 | SSTDICC005 | BF140856.D | 16 Dec 2024 12:39 | RC/JU | Ok |
| 4 | SSTDICC010 | BF140857.D | 16 Dec 2024 13:05 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BF140858.D | 16 Dec 2024 14:00 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BF140859.D | 16 Dec 2024 14:26 | RC/JU | Ok |
| 7 | SSTDICC050 | BF140860.D | 16 Dec 2024 15:23 | RC/JU | Ok |
| 8 | SSTDICC060 | BF140861.D | 16 Dec 2024 15:49 | RC/JU | Ok |
| 9 | SSTDICC080 | BF140862.D | 16 Dec 2024 16:15 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BF140863.D | 16 Dec 2024 16:41 | RC/JU | Ok |
| 11 | PB165543BL | BF140864.D | 16 Dec 2024 17:08 | RC/JU | Ok |
| 12 | PB165543BS | BF140865.D | 16 Dec 2024 17:34 | RC/JU | Ok,M |
| 13 | PB165590BL | BF140866.D | 16 Dec 2024 18:00 | RC/JU | Ok |
| 14 | PB165479BS | BF140867.D | 16 Dec 2024 18:26 | RC/JU | Ok,M |
| 15 | PB165479BSD | BF140868.D | 16 Dec 2024 18:53 | RC/JU | Ok,M |
| 16 | PB165479BL | BF140869.D | 16 Dec 2024 19:19 | RC/JU | Ok |
| 17 | P5192-02 | BF140870.D | 16 Dec 2024 19:45 | RC/JU | ReRun |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 12/23/2024 10:15:36 AM | | | | |
| Supervise By | mohammad | Supervise On | 12/24/2024 11:31:08 PM | | | | |
| SubDirectory | BF122024 | HP Acquire Method | BNA_F | | HP Processing Method | bf121624 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12646,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF140941.D | 20 Dec 2024 09:47 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF140942.D | 20 Dec 2024 11:15 | RC/JU | Ok,M |
| 3 | PB165705BL | BF140943.D | 20 Dec 2024 11:41 | RC/JU | Ok |
| 4 | PB165705BS | BF140944.D | 20 Dec 2024 12:07 | RC/JU | Ok,M |
| 5 | P5316-01 | BF140945.D | 20 Dec 2024 12:51 | RC/JU | Ok |
| 6 | P5306-11 | BF140946.D | 20 Dec 2024 13:18 | RC/JU | Ok |
| 7 | P5306-09 | BF140947.D | 20 Dec 2024 13:44 | RC/JU | Ok |
| 8 | P5306-09MS | BF140948.D | 20 Dec 2024 14:10 | RC/JU | Ok,M |
| 9 | P5306-09MSD | BF140949.D | 20 Dec 2024 14:36 | RC/JU | Ok,M |
| 10 | P5306-13 | BF140950.D | 20 Dec 2024 15:02 | RC/JU | Ok |
| 11 | P5306-15 | BF140951.D | 20 Dec 2024 15:29 | RC/JU | Ok |
| 12 | P5306-01 | BF140952.D | 20 Dec 2024 15:55 | RC/JU | Ok |
| 13 | P5306-03 | BF140953.D | 20 Dec 2024 16:21 | RC/JU | Ok |
| 14 | P5306-05 | BF140954.D | 20 Dec 2024 16:48 | RC/JU | Ok |
| 15 | P5306-07 | BF140955.D | 20 Dec 2024 17:14 | RC/JU | Ok |
| 16 | P5330-04 | BF140956.D | 20 Dec 2024 17:40 | RC/JU | Ok |
| 17 | P5330-04MS | BF140957.D | 20 Dec 2024 18:06 | RC/JU | Ok,M |
| 18 | P5330-04MSD | BF140958.D | 20 Dec 2024 18:32 | RC/JU | Ok,M |
| 19 | SSTDCCC040 | BF140959.D | 20 Dec 2024 19:24 | RC/JU | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/18/2024 1:40:10 AM | | |
| Supervise By | mohammad | Supervise On | 12/18/2024 2:36:39 AM | | |
| SubDirectory | BF121624 | HP Acquire Method | BNA_F | HP Processing Method | Bf121624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12331,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF140854.D | 16 Dec 2024 11:21 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF140855.D | 16 Dec 2024 12:13 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF140856.D | 16 Dec 2024 12:39 | Compound#32,41,54,56,65,70,77 removed from 5 ppm | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF140857.D | 16 Dec 2024 13:05 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BF140858.D | 16 Dec 2024 14:00 | The Calibration is Good For 8270 DOD and good for 625.1 Method | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BF140859.D | 16 Dec 2024 14:26 | Compound#41 Kept on QR & Compound#54,56 Kept on LR | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF140860.D | 16 Dec 2024 15:23 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF140861.D | 16 Dec 2024 15:49 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF140862.D | 16 Dec 2024 16:15 | | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBF121624 | BF140863.D | 16 Dec 2024 16:41 | | RC/JU | Ok |
| 11 | PB165543BL | PB165543BL | BF140864.D | 16 Dec 2024 17:08 | | RC/JU | Ok |
| 12 | PB165543BS | PB165543BS | BF140865.D | 16 Dec 2024 17:34 | | RC/JU | Ok,M |
| 13 | PB165590BL | PB165590BL | BF140866.D | 16 Dec 2024 18:00 | | RC/JU | Ok |
| 14 | PB165479BS | PB165479BS | BF140867.D | 16 Dec 2024 18:26 | | RC/JU | Ok,M |
| 15 | PB165479BSD | PB165479BSD | BF140868.D | 16 Dec 2024 18:53 | | RC/JU | Ok,M |
| 16 | PB165479BL | PB165479BL | BF140869.D | 16 Dec 2024 19:19 | | RC/JU | Ok |
| 17 | P5192-02 | EFF-WASTE WATER | BF140870.D | 16 Dec 2024 19:45 | Surrogate Fail | RC/JU | ReRun |

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

**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 12/18/2024 1:40:10 AM | | |
| Supervise By | mohammad | Supervise On | 12/18/2024 2:36:39 AM | | |
| SubDirectory | BF121624 | HP Acquire Method | BNA_F | HP Processing Method | Bf121624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12331,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

M : Manual Integration

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

**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 12/23/2024 10:15:36 AM | | |
| Supervise By | mohammad | Supervise On | 12/24/2024 11:31:08 PM | | |
| SubDirectory | BF122024 | HP Acquire Method | BNA_F | HP Processing Method | bf121624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12646,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF140941.D | 20 Dec 2024 09:47 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF140942.D | 20 Dec 2024 11:15 | CCC fail high side for #87,91 and #92 | RC/JU | Ok,M |
| 3 | PB165705BL | PB165705BL | BF140943.D | 20 Dec 2024 11:41 | | RC/JU | Ok |
| 4 | PB165705BS | PB165705BS | BF140944.D | 20 Dec 2024 12:07 | | RC/JU | Ok,M |
| 5 | P5316-01 | TT-304-IDWSO-202412 | BF140945.D | 20 Dec 2024 12:51 | | RC/JU | Ok |
| 6 | P5306-11 | OU4-VSL-12-121224 | BF140946.D | 20 Dec 2024 13:18 | | RC/JU | Ok |
| 7 | P5306-09 | OU4-VSL-11-121224 | BF140947.D | 20 Dec 2024 13:44 | | RC/JU | Ok |
| 8 | P5306-09MS | OU4-VSL-11-121224MS | BF140948.D | 20 Dec 2024 14:10 | | RC/JU | Ok,M |
| 9 | P5306-09MSD | OU4-VSL-11-121224MS | BF140949.D | 20 Dec 2024 14:36 | | RC/JU | Ok,M |
| 10 | P5306-13 | OU4-VSL-13-121224 | BF140950.D | 20 Dec 2024 15:02 | | RC/JU | Ok |
| 11 | P5306-15 | OU4-VSL-14-121224 | BF140951.D | 20 Dec 2024 15:29 | | RC/JU | Ok |
| 12 | P5306-01 | OU4-VSL-07-121224 | BF140952.D | 20 Dec 2024 15:55 | | RC/JU | Ok |
| 13 | P5306-03 | OU4-VSL-08-121224 | BF140953.D | 20 Dec 2024 16:21 | | RC/JU | Ok |
| 14 | P5306-05 | OU4-VSL-09-121224 | BF140954.D | 20 Dec 2024 16:48 | | RC/JU | Ok |
| 15 | P5306-07 | OU4-VSL-10-121224 | BF140955.D | 20 Dec 2024 17:14 | | RC/JU | Ok |
| 16 | P5330-04 | TP-5 | BF140956.D | 20 Dec 2024 17:40 | | RC/JU | Ok |
| 17 | P5330-04MS | TP-5MS | BF140957.D | 20 Dec 2024 18:06 | | RC/JU | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 12/23/2024 10:15:36 AM | | |
| Supervise By | mohammad | Supervise On | 12/24/2024 11:31:08 PM | | |
| SubDirectory | BF122024 | HP Acquire Method | BNA_F | HP Processing Method | bf121624 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6573 |
| Initial Calibration Stds | SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673 |
| CCC | SP6676 |
| Internal Standard/PEM | S12646,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | P5330-04MSD | TP-5MSD | BF140958.D | 20 Dec 2024 18:32 | | RC/JU | Ok,M |
| 19 | SSTDCCC040 | SSTDCCC040EC | BF140959.D | 20 Dec 2024 19:24 | | RC/JU | Ok,M |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 12/19/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:35
**In Date:** 12/18/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:27
**Out Date:** 12/19/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133993

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P5316-01 | TT-304-IDWSO-20241217-1 | 1 | 1.15 | 8.64 | 9.79 | 7.08 | 68.6 | |
| P5316-02 | TT-304-IDWSO-20241217-2 | 2 | 1.19 | 8.62 | 9.81 | 7.6 | 74.4 | |
| P5316-03 | TT-304-IDWSO-20241217-3 | 3 | 1.16 | 8.82 | 9.98 | 8.11 | 78.8 | |
| P5316-04 | TT-304-IDWSO-20241217-4 | 4 | 1.16 | 8.58 | 9.74 | 7.36 | 72.3 | |
| P5321-01 | SS055P-SD06-121324-00 | 5 | 1.16 | 8.61 | 9.77 | 7.14 | 69.5 | |
| P5321-02 | SS050P-SD21-121324-00 | 6 | 1.13 | 8.85 | 9.98 | 8.23 | 80.2 | |
| P5321-03 | SS050P-SD22-121724-00 | 7 | 1.18 | 8.77 | 9.95 | 8.25 | 80.6 | |
| P5321-04 | SS050P-SD20-121724-00 | 8 | 1.14 | 8.82 | 9.96 | 6.56 | 61.5 | |
| P5330-01 | TP-5 | 9 | 1.17 | 8.54 | 9.71 | 9.33 | 95.6 | |
| P5330-02 | TP-5-EPH | 10 | 1.11 | 8.78 | 9.89 | 9.5 | 95.6 | |
| P5330-03 | TP-5-VOC | 11 | 1.19 | 8.61 | 9.8 | 9.44 | 95.8 | |
| P5337-01 | ETGI-357 | 24 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | CONCRETE sample |
| P5338-01 | USED-OIL-DEBRIS | 25 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | oily-debris |
| P5338-02 | USED-MOBILE-TRANSFORMER-OIL | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | oil sample |
| P5339-01 | TR-06-12182024 | 27 | 1.16 | 8.77 | 9.93 | 8.74 | 86.4 | |
| P5339-02 | TR-06-12182024-E2 | 28 | 1.17 | 8.82 | 9.99 | 9.19 | 90.9 | |
| P5341-02 | STORMWATER-SOLID-COMP | 12 | 1.15 | 8.81 | 9.96 | 5.91 | 54.0 | sludge sample |
| P5342-01 | CHRT26634 | 13 | 1.14 | 8.40 | 9.54 | 7.05 | 70.4 | |
| P5342-02 | CHRT26634-E2 | 14 | 1.16 | 8.75 | 9.91 | 7.00 | 66.7 | |
| P5342-03 | HT2651 | 15 | 1.16 | 8.75 | 9.91 | 8.91 | 88.6 | |
| P5342-04 | HT2651-E2 | 16 | 1.19 | 8.50 | 9.69 | 8.82 | 89.8 | |
| P5342-05 | RB21198 | 17 | 1.17 | 8.80 | 9.97 | 8.09 | 78.6 | |
| P5342-06 | RB21198-E2 | 18 | 1.12 | 8.87 | 9.99 | 7.66 | 73.7 | |
| P5343-01 | VNJ210 | 19 | 1.14 | 8.63 | 9.77 | 8.08 | 80.4 | |
| P5343-02 | VNJ210-E2 | 20 | 1.15 | 8.81 | 9.96 | 8.9 | 88.0 | |
| P5343-03 | VNJ281 | 21 | 1.17 | 8.53 | 9.7 | 8.55 | 86.5 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 12/19/2024

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:35
**In Date:** 12/18/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:27
**Out Date:** 12/19/2024
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB133993

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| P5343-04 | VNJ281-E2 | 22 | 1.13 | 8.72 | 9.85 | 8.83 | 88.3 | |
| P5343-05 | OILY-RAGS-274 | 23 | 1.14 | 8.58 | 9.72 | 9.22 | 94.2 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 133993

**WorkList Name :** %1-121824 **WorkList ID :** 186438 **Department :** Wet-Chemistry **Date :** 12-18-2024 12:12:13

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5316-01 | TT-304-IDWSO-20241217-1 | Solid | Percent Solids | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | Chemtech -SO |
| P5316-02 | TT-304-IDWSO-20241217-2 | Solid | Percent Solids | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | Chemtech -SO |
| P5316-03 | TT-304-IDWSO-20241217-3 | Solid | Percent Solids | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | Chemtech -SO |
| P5316-04 | TT-304-IDWSO-20241217-4 | Solid | Percent Solids | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | Chemtech -SO |
| P5321-01 | SS055P-SD06-121324-00 | Solid | Percent Solids | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | Chemtech -SO |
| P5321-02 | SS050P-SD21-121324-00 | Solid | Percent Solids | Cool 4 deg C | WEST04 | L41 | 12/13/2024 | Chemtech -SO |
| P5321-03 | SS050P-SD22-121724-00 | Solid | Percent Solids | Cool 4 deg C | WEST04 | L41 | 12/13/2024 | Chemtech -SO |
| P5321-04 | SS050P-SD20-121724-00 | Solid | Percent Solids | Cool 4 deg C | WEST04 | L41 | 12/17/2024 | Chemtech -SO |
| P5330-01 | TP-5 | Solid | Percent Solids | Cool 4 deg C | WEST04 | L41 | 12/17/2024 | Chemtech -SO |
| P5330-02 | TP-5-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 12/18/2024 | Chemtech -SO |
| P5330-03 | TP-5-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 12/18/2024 | Chemtech -SO |
| P5337-01 | ETGI-357 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L51 | 12/18/2024 | Chemtech -SO |
| P5338-01 | USED-OIL-DEBRIS | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N11 | 12/18/2024 | Chemtech -SO |
| P5338-02 | USED-MOBILE-TRANSFORME | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N11 | 12/18/2024 | Chemtech -SO |
| P5339-01 | TR-06-12182024 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N11 | 12/18/2024 | Chemtech -SO |
| P5339-02 | TR-06-12182024-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | N12 | 12/18/2024 | Chemtech -SO |
| P5341-02 | STORMWATER-SOLID-COMP | Solid | Percent Solids | Cool 4 deg C | PSEG05 | N12 | 12/18/2024 | Chemtech -SO |
| P5342-01 | CHRT26634 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5342-02 | CHRT26634-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5342-03 | HT2651 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5342-04 | HT2651-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |

**Date/Time** 12-18-24 16:30

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

**Date/Time** 12-18-24 17:40

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

# WORKLIST(Hardcopy Internal Chain)

VB 133993

**WorkList Name :** %1-121824 **WorkList ID :** 186438 **Department :** Wet-Chemistry **Date :** 12-18-2024 12:12:13

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5342-05 | RB21198 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5342-06 | RB21198-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5343-01 | VNJ210 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5343-02 | VNJ210-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5343-03 | VNJ281 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5343-04 | VNJ281-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |
| P5343-05 | OILY-RAGS-274 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | N12 | 12/18/2024 | Chemtech -SO |

**Date/Time** 12-18-24 16:30

**Raw Sample Received by:** SB WC

**Raw Sample Relinquished by:** CP SM

**Date/Time** 12-18-24 17:40

**Raw Sample Received by:** CP SM

**Raw Sample Relinquished by:** SB WC

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB165705

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 12/18/2024 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:56 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 12/18/2024 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 14:40 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | rajesh |

**Extraction Method:** [_] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6681 |
| Surrogate | 1.0ML | 100/150 PPM | SP6638 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2560 |
| Baked Na2SO4 | N/A | EP2573 |
| Sand | N/A | E2865 |
| Methylene Chloride | N/A | E3845 |
| 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. P5316-01 Added in batch at 1135

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 12/18/24 | RP (Ext Lab) | RC/SVOC |
| 14:45 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB165705**

**Analytical Method:** M3541-ASE Extraction-14 **Concentration Date:** 12/18/2024

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB165705BL | SBLK705 | SVOCMS Group3 | 30.02 | N/A | ritesh | Evelyn | 1 | | | U4-1 |
| PB165705BS | SLCS705 | SVOCMS Group3 | 30.01 | N/A | ritesh | Evelyn | 1 | | | 2 |
| P5299-01 | SB-01 | SVOC-TCL BNA -20 | 30.04 | N/A | ritesh | Evelyn | 1 | F | | 3 |
| P5299-02 | SB-02 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | F | | 4 |
| P5299-03 | SB-01 | SVOC-TCL BNA -20 | 30.07 | N/A | ritesh | Evelyn | 1 | F | | 5 |
| P5299-04 | SB-02 | SVOC-TCL BNA -20 | 30.09 | N/A | ritesh | Evelyn | 1 | F | | 6 |
| P5306-01 | OU4-VSL-07-121224 | SVOCMS Group3 | 30.05 | N/A | ritesh | Evelyn | 1 | E | | U5-1 |
| P5306-03 | OU4-VSL-08-121224 | SVOCMS Group3 | 30.02 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| P5306-05 | OU4-VSL-09-121224 | SVOCMS Group3 | 30.07 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| P5306-07 | OU4-VSL-10-121224 | SVOCMS Group3 | 30.06 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| P5306-09 | OU4-VSL-11-121224 | SVOCMS Group3 | 30.05 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| P5306-09MS | OU4-VSL-11-121224MS | SVOCMS Group3 | 30.10 | N/A | ritesh | Evelyn | 1 | E | | 6 |
| P5306-09MSD | OU4-VSL-11-121224MSD | SVOCMS Group3 | 30.08 | N/A | ritesh | Evelyn | 1 | E | | U6-1 |
| P5306-11 | OU4-VSL-12-121224 | SVOCMS Group3 | 30.06 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| P5306-13 | OU4-VSL-13-121224 | SVOCMS Group3 | 30.03 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| P5306-15 | OU4-VSL-14-121224 | SVOCMS Group3 | 30.02 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| P5312-01 | SOIL-VNJ-222 | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| P5312-03 | CONCRETE-VNJ-222 | SVOC-TCL BNA -20 | 50.05 | N/A | ritesh | Evelyn | 1 | E | Concrete | 6 |
| P5316-01 | TT-304-IDWSO-20241217-1 | SVOCMS Group2 | 30.04 | N/A | ritesh | Evelyn | 1 | E | | U7-1 |

* **Extracts relinquished on the same date as received.**

161705
8:53

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P5312 **WorkList ID :** 186421 **Department :** Extraction **Date :** 12-18-2024 08:08:55



| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5306-01 | OU4-VSL-07-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-03 | OU4-VSL-08-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-05 | OU4-VSL-09-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-07 | OU4-VSL-10-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-09 | OU4-VSL-11-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-11 | OU4-VSL-12-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-13 | OU4-VSL-13-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5306-15 | OU4-VSL-14-121224 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L61 | 12/12/2024 | 8270E |
| P5312-01 | SOIL-VNJ-222 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L61 | 12/17/2024 | 8270E |
| P5312-03 | CONCRETE-VNJ-222 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L61 | 12/17/2024 | 8270E |

**Date/Time** 12/18/24 8:50
**Raw Sample Received by:** RJ (Ext Lab)
**Raw Sample Relinquished by:** JD CSM



**Date/Time** 12/18/24 9:20
**Raw Sample Received by:** JD CSM
**Raw Sample Relinquished by:** RJ (Ext Lab)

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P5316 **WorkList ID :** 186434 **Department :** Extraction **Date :** 12-18-2024 11:32:50

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5316-01 | TT-304-IDWSO-20241217-1 | Solid | PCB Group1 | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | 8082A |
| P5316-01 | TT-304-IDWSO-20241217-1 | Solid | PESTICIDE Group1 | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | 8081B |
| P5316-01 | TT-304-IDWSO-20241217-1 | Solid | SVOCMS Group2 | Cool 4 deg C | TETR06 | L51 | 12/17/2024 | 8270E |

**Date/Time** 12/18/24
**Raw Sample Received by:** RJ (Dept Lab)
**Raw Sample Relinquished by:** SM



**Date/Time** 12/18/24
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:** RJ (Dept Lab)

1605 705
8:56

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** P5299S **WorkList ID :** 186437 **Department :** Extraction **Date :** 12-18-2024 08:56:42

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P5299-01 | SB-01 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06 | L41 | 12/14/2024 | 8270E |
| P5299-02 | SB-02 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06 | L41 | 12/15/2024 | 8270E |
| P5299-03 | SB-01 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06 | L41 | 12/15/2024 | 8270E |
| P5299-04 | SB-02 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PORT06 | L41 | 12/15/2024 | 8270E |

**Date/Time** 12/18/24 8:56
**Raw Sample Received by:** RJ (Dept Lab) SM
**Raw Sample Relinquished by:**



**Date/Time** 12/18/24 8:10
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:** RJ (Dept Lab)

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# Prep Standard - Chemical Standard Summary

**Order ID :** P5316

**Test :** SVOCMS Group2

**Prepbatch ID :** PB165705,

**Sequence ID/Qc Batch ID:** BF121924,BF122024,Bf122024,

**Standard ID :**
EP2560,EP2573,SP6573,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,

**Chemical ID :**
10ul/1000ul sample,E2865,E3551,E3768,E3815,E3827,E3828,E3845,S10103,S10247,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11093,S11099,S11103,S11138,S11141,S11160,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12646,S12790,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2017 | 1:1 ACETONE/METHYLENE CHLORIDE | EP2560 | 11/14/2024 | 05/08/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 11/14/2024 |

**FROM** 8000.00000ml of E3827 + 8000.00000ml of E3828 = Final Quantity: 16000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2573 | 12/16/2024 | 06/16/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 12/16/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|---|
| 19 | 8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID | SP6638 | 10/10/2024 | 04/04/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 10/18/2024 |

**FROM** 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6672 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 413 | 80 ng BNA ICC, 80 PPM | SP6673 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 412 | 60 ng BNA ICC, 60 PPM | SP6674 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 411 | 50 ng BNA ICC, 50 PPM | SP6675 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 410 | 40 ng BNA ICC, 40 PPM | SP6676 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3678 | 20 ng BNA ICC, 20 PPM | SP6677 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6678 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6679 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 175 | 2.5 ng BNA ICC, 2.5 PPM | SP6680 | 11/12/2024 | 02/08/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6681 | 11/14/2024 | 02/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 11/18/2024 |

**FROM** 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 18 | Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP) | SP6685 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 416 | 40 ng BNA ICV, 40 PPM | SP6686 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025 | 04/30/2020 / RAJESH | 04/28/2020 / RAJESH | E2865 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 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) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/08/2025 | 11/08/2024 / Rajesh | 11/07/2024 / Rajesh | E3827 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24G0862003 | 05/09/2025 | 11/09/2024 / Rajesh | 11/04/2024 / Rajesh | E3828 |

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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) | 24H2762011 | 06/06/2025 | 12/06/2024 / Rajesh | 11/11/2024 / Rajesh | E3845 |

| 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 | 03/13/2025 | 09/13/2024 / yogesh | 05/18/2022 / Christian | S10393 |

| 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10978 |

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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 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10979 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10980 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11004 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11005 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11006 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11007 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11008 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11009 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11010 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0187043 | 05/15/2025 | 11/15/2024 / Jagrut | 02/06/2023 / Christian | S11074 |

| 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-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days) | 406703 | 05/12/2025 | 11/12/2024 / Jagrut | 02/07/2023 / Christian | S11086 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days) | 414125 | 02/08/2025 | 08/08/2024 / Jagrut | 02/07/2023 / Christian | S11093 |

| 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 | 05/12/2025 | 11/12/2024 / Jagrut | 02/07/2023 / Christian | S11099 |

| 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 | 05/12/2025 | 11/12/2024 / Jagrut | 03/06/2023 / Christian | S11160 |

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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 # |
|---|---|---|---|---|---|---|
| CPI International | Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 05/12/2025 | 11/12/2024 / Jagrut | 08/11/2023 / Yogesh | S11495 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555872 / Custom Standard, pentachlorophenol Std [CS 5328-5] | A0201728 | 03/13/2025 | 09/13/2024 / anahy | 11/09/2023 / Yogesh | S11649 |

| 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 | 03/13/2025 | 09/13/2024 / anahy | 11/21/2023 / Rahul | S11776 |

| 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 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11777 |

| 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 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11778 |

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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 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11779 |

| 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 | 05/14/2025 | 11/14/2024 / Jagrut | 11/21/2023 / Rahul | S11780 |

| 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 | 04/24/2025 | 10/24/2024 / Jagrut | 01/31/2024 / Rahul | S12079 |

| 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 # |
|---|---|---|---|---|---|---|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 05/12/2025 | 11/12/2024 / Jagrut | 03/08/2024 / Rahul | S12114 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 03/13/2025 | 09/13/2024 / anahy | 03/15/2024 / Rahul | S12134 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12135 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12136 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12137 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12138 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12139 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12140 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12141 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12142 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12187 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12188 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12189 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12207 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 05/15/2025 | 11/15/2024 / Jagrut | 03/15/2024 / Rahul | S12208 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| 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 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 05/12/2025 | 11/12/2024 / Jagrut | 05/24/2024 / Rahul | S12276 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0206540 | 05/12/2025 | 11/12/2024 / anahy | 05/30/2024 / Rahul | S12327 |

| 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 | 03/13/2025 | 09/13/2024 / anahy | 07/23/2024 / RAHUL | S12461 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12462 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12463 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12464 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12465 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12466 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12467 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12468 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12469 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 03/13/2025 | 09/13/2024 / anahy | 07/23/2024 / RAHUL | S12510 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12511 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12512 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12513 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12514 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12515 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12516 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12517 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 06/18/2025 | 12/18/2024 / anahy | 09/20/2024 / anahy | S12646 |

| 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 | 05/12/2025 | 11/12/2024 / Jagrut | 05/24/2024 / Rahul | S12790 |

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

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
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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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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.

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Date Received:_____

# Certificate of Analysis

Rev 0 **Page 1 of 1**

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110817-01 | 414125 | ≤ -10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
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| 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
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S11089
to
S11093

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Certified By: _____
Shane Overcash
**Chemist**

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# 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

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Certified By: Erica Castiglione
Erica Castiglione
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

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# Certificate of Analysis



| 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

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**

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Rev 0 **Page 1 of 1**

| 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

Certified By: S. Hunter

Scott Hunter
**Chemist**

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Received on 03/08/22 by CG S10242 to S10247

**Catalog No. :** 31615 **Lot No.:** A0182667

**Description :** GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | | 1,003.6 | µg/mL | +/- 5.8897 | µg/mL | Gravimetric |
| | **CAS #** 87-86-5 | (Lot 211229RSR) | | | +/- 45.7132 | µg/mL | Unstressed |
| | **Purity** 99% | | | | +/- 66.0037 | µg/mL | Stressed |
| 2 | DFTPP (Decafluorotriphenylphosphine) | | 1,006.6 | µg/mL | +/- 5.9074 | µg/mL | Gravimetric |
| | **CAS #** 5074-71-5 | (Lot Q117-147) | | | +/- 45.8508 | µg/mL | Unstressed |
| | **Purity** 95% | | | | +/- 66.2023 | µg/mL | Stressed |
| 3 | Benzidine | | 1,008.4 | µg/mL | +/- 5.9179 | µg/mL | Gravimetric |
| | **CAS #** 92-87-5 | (Lot 211228JLM) | | | +/- 45.9318 | µg/mL | Unstressed |
| | **Purity** 99% | | | | +/- 66.3193 | µg/mL | Stressed |
| 4 | 4,4'-DDT | | 1,007.6 | µg/mL | +/- 5.9132 | µg/mL | Gravimetric |
| | **CAS #** 50-29-3 | (Lot 210916JLM) | | | +/- 45.8954 | µg/mL | Unstressed |
| | **Purity** 99% | | | | +/- 66.2667 | µg/mL | Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

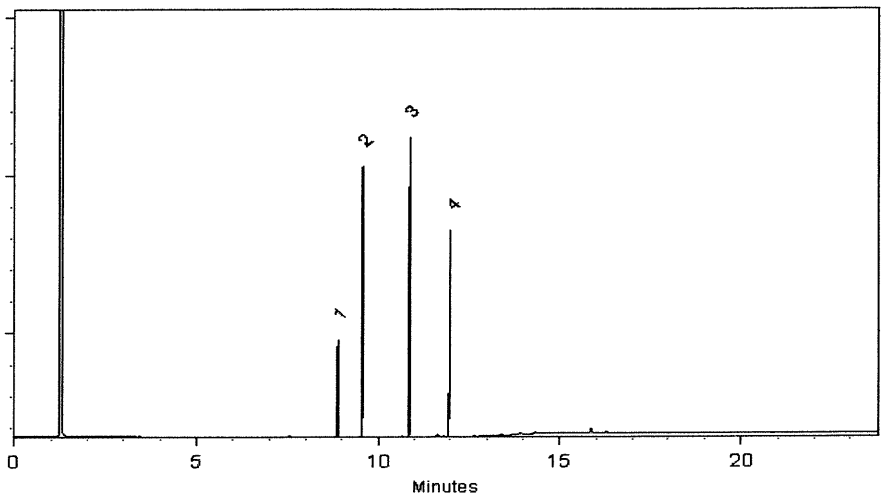
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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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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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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 07/05/22 S10583 to S10592

**Catalog No. :** 555868 **Lot No.:** A0186373

**Description :** Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

### CERTIFIED VALUES

| Component # | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Benzidine | 25,200.0 µg/mL | +/- 233.2055 µg/mL | Gravimetric |
| | **CAS #** 92-87-5 (Lot 220511RSR) | | +/- 351.6606 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 512.6054 µg/mL | Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
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| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

**Catalog No. :** 31853 **Lot No.:** A0187043

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 2,019.0 µg/mL | +/- 11.8486 | µg/mL | Gravimetric |
| | **CAS #** 123-91-1 (Lot SHBN5929) | | +/- 43.2570 | µg/mL | Unstressed |
| | **Purity** 99% | | +/- 44.5129 | µg/mL | Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

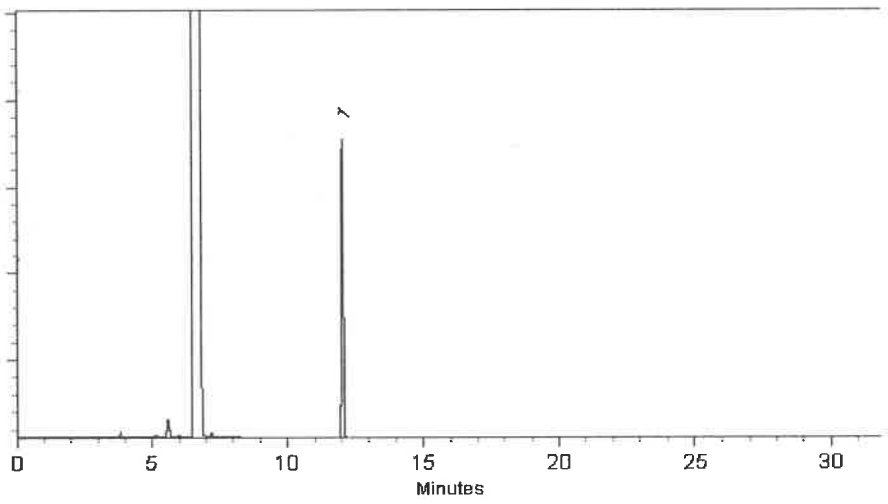
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

**Date Mixed:** 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 12-Jul-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Fax: (814)353-1309

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 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)

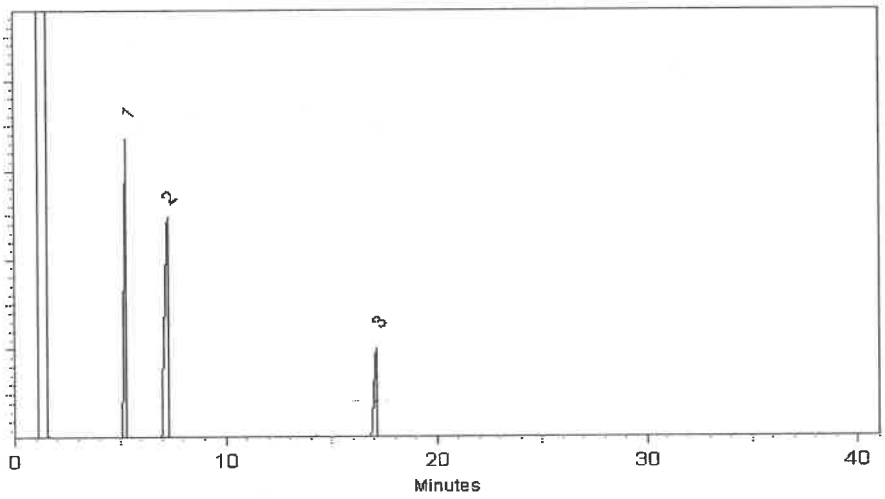
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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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**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 |
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**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

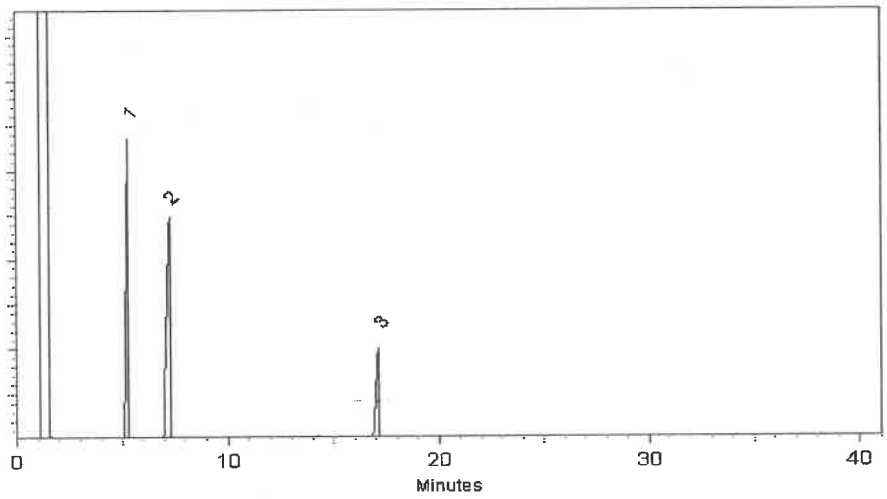
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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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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%<br>(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%<br>(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%<br>(Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

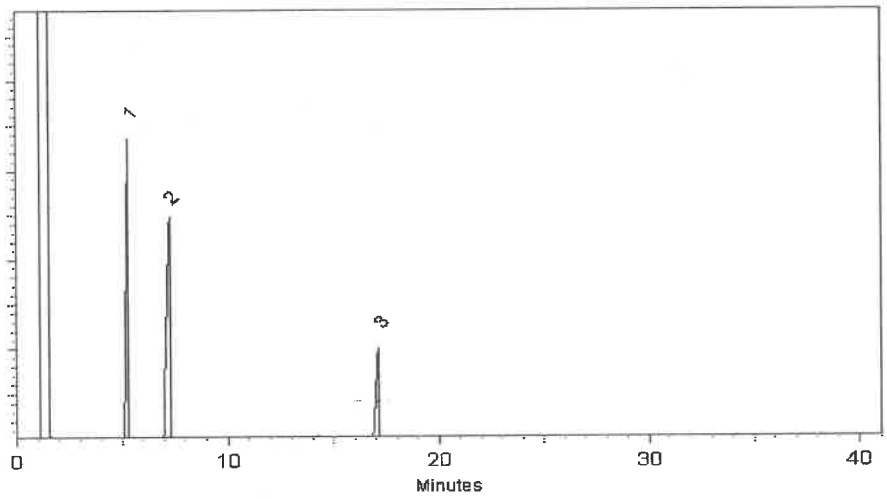
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

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Received by CG on 12/28/22
S10981 to S11010

**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 | | 5,009.8 µg/mL | +/- 29.1271 µg/mL | Gravimetric |
| | **CAS #** 4165-60-0 | (Lot PR-29940A) | | +/- 225.6421 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 250.3778 µg/mL | Stressed |
| 2 | 2-Fluorobiphenyl | | 5,026.6 µg/mL | +/- 29.2250 µg/mL | Gravimetric |
| | **CAS #** 321-60-8 | (Lot 00021384) | | +/- 226.4003 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2191 µg/mL | Stressed |
| 3 | p-Terphenyl-d14 | | 5,027.3 µg/mL | +/- 29.2289 µg/mL | Gravimetric |
| | **CAS #** 1718-51-0 | (Lot PR-30504) | | +/- 226.4304 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2524 µg/mL | Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

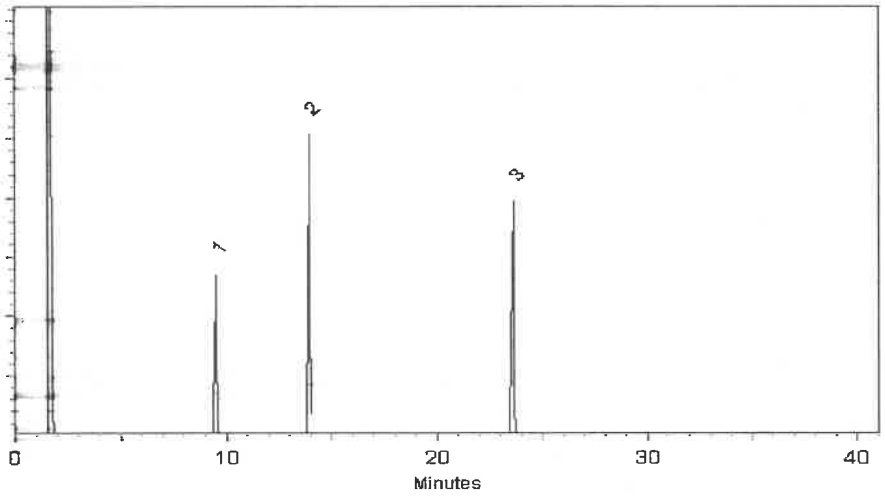
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**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 | | 5,009.8 µg/mL | +/- 29.1271 µg/mL | Gravimetric |
| | **CAS #** 4165-60-0 | (Lot PR-29940A) | | +/- 225.6421 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 250.3778 µg/mL | Stressed |
| 2 | 2-Fluorobiphenyl | | 5,026.6 µg/mL | +/- 29.2250 µg/mL | Gravimetric |
| | **CAS #** 321-60-8 | (Lot 00021384) | | +/- 226.4003 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2191 µg/mL | Stressed |
| 3 | p-Terphenyl-d14 | | 5,027.3 µg/mL | +/- 29.2289 µg/mL | Gravimetric |
| | **CAS #** 1718-51-0 | (Lot PR-30504) | | +/- 226.4304 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2524 µg/mL | 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)

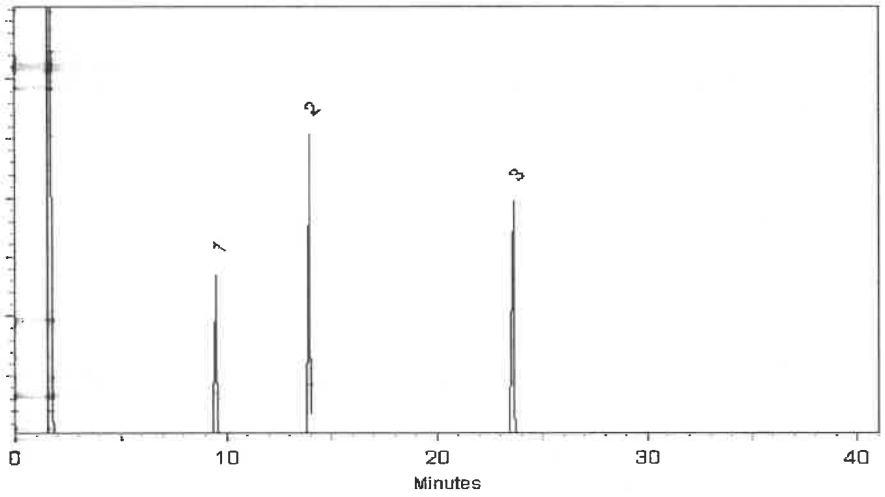
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
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**Inj. Temp:**
250°C

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**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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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)

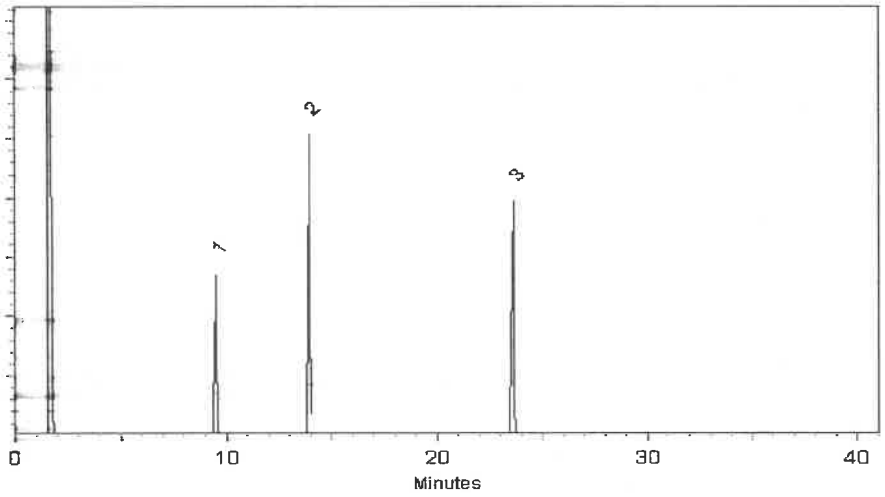
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John Friedline - Operations Technician I

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Jennifer Pollino - Operations Tech III - ARM QC

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**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

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## CERTIFIED VALUES

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| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8<br>**Purity** 99% | (Lot 00021384) | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

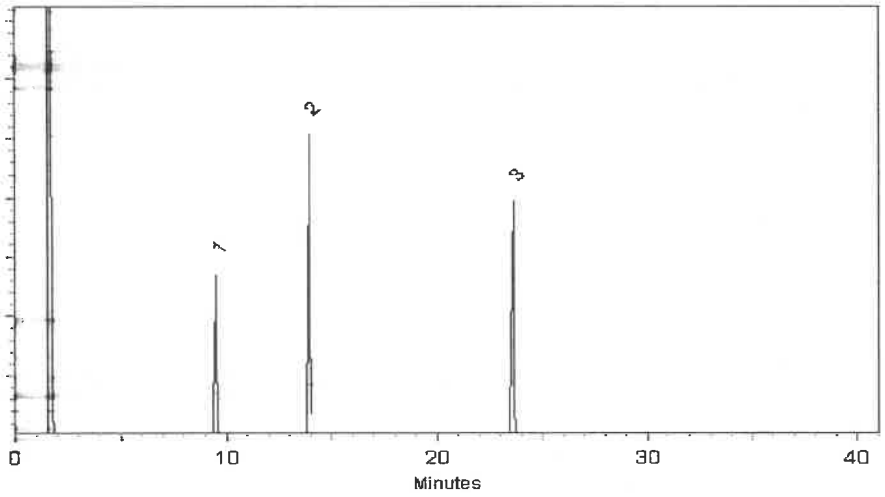
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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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S10981 to S11010

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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

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0<br>**Purity** 99% | (Lot PR-29940A) | 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<br>**Purity** 99% | (Lot 00021384) | 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<br>**Purity** 99% | (Lot PR-30504) | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

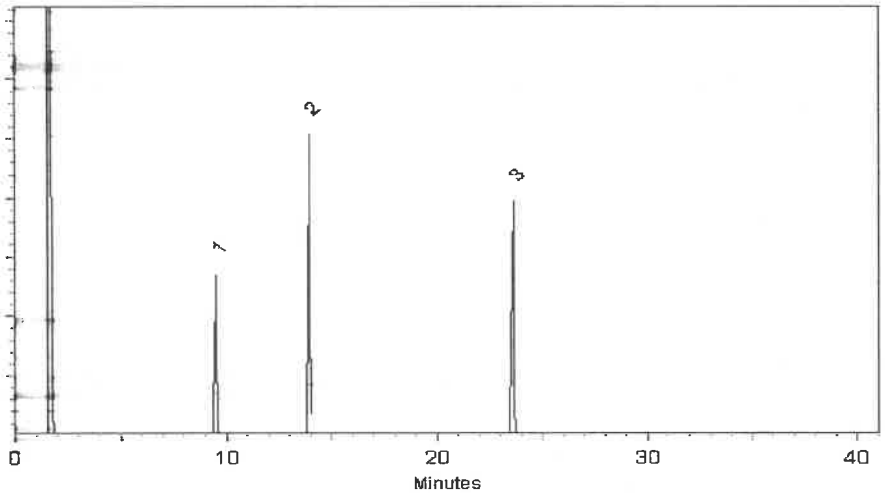
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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
S10981 to S11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

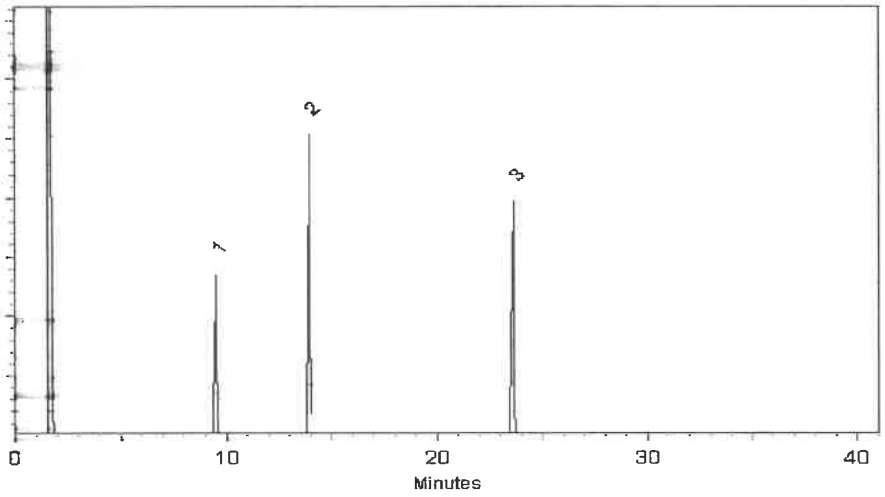
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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 S10981 to S11010

**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 | | 5,009.8 µg/mL | +/- 29.1271 µg/mL | Gravimetric |
| | **CAS #** 4165-60-0 | (Lot PR-29940A) | | +/- 225.6421 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 250.3778 µg/mL | Stressed |
| 2 | 2-Fluorobiphenyl | | 5,026.6 µg/mL | +/- 29.2250 µg/mL | Gravimetric |
| | **CAS #** 321-60-8 | (Lot 00021384) | | +/- 226.4003 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2191 µg/mL | Stressed |
| 3 | p-Terphenyl-d14 | | 5,027.3 µg/mL | +/- 29.2289 µg/mL | Gravimetric |
| | **CAS #** 1718-51-0 | (Lot PR-30504) | | +/- 226.4304 µg/mL | Unstressed |
| | **Purity** 99% | | | +/- 251.2524 µg/mL | 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)

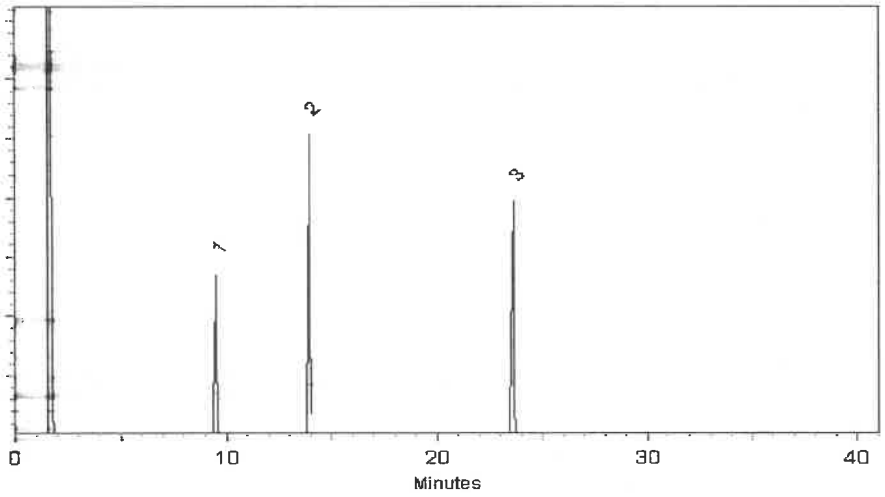
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555870 **Lot No.:** 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

CERTIFI

| 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' 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

### tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

### rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

### Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Substances Soluble in HCl | <= 0.16 % | 0.01 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

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

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3827

Recd by RP on ~~11/6~~ 11/7/24
RP 11/7

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date:2025-09-04
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 5 |
| 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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3845

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

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: Thomas C Tipton

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.

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: |
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511494 to 511498 } Y.P. 08/11/2023

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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. :** 555872 **Lot No.:** A0201728

**Description :** Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 25,000.0 µg/mL | +/- 777.0837 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Josh McCloskey - Operations Technician I

**Date Mixed:** 05-Sep-2023 **Balance:** B251644995

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  *k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

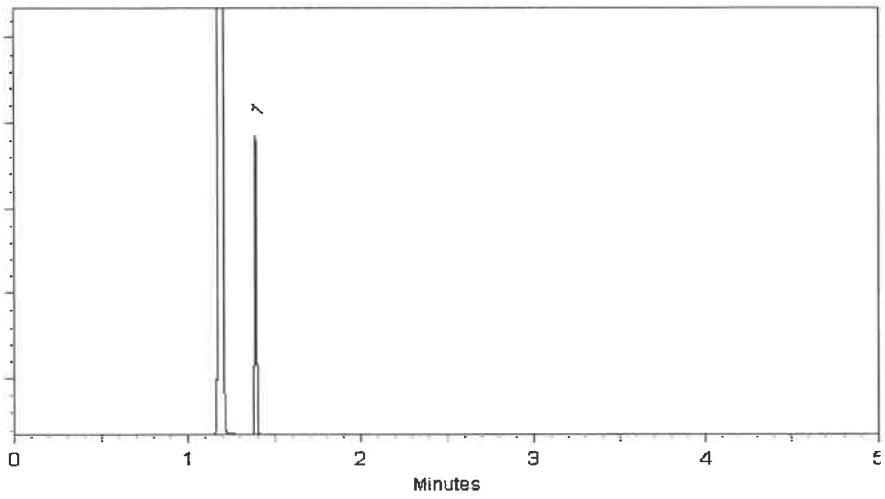
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

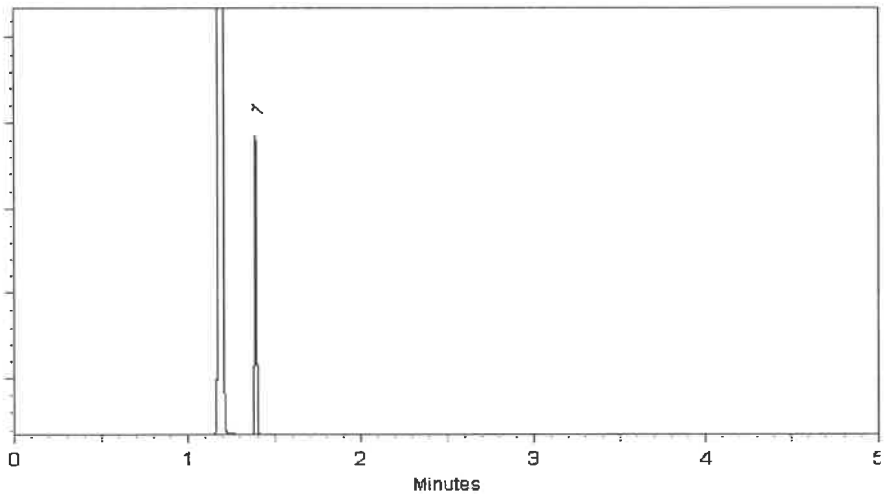
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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### Manufacturing 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

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

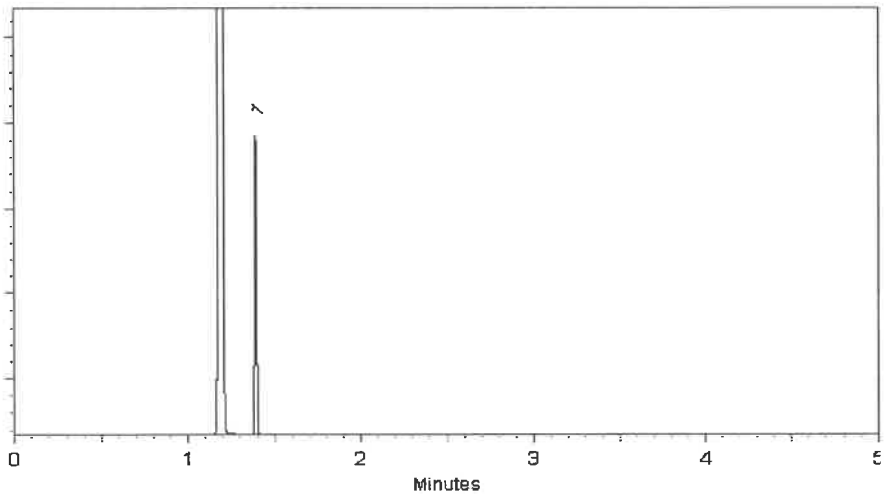
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




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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:

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### Certified Uncertainty Value Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

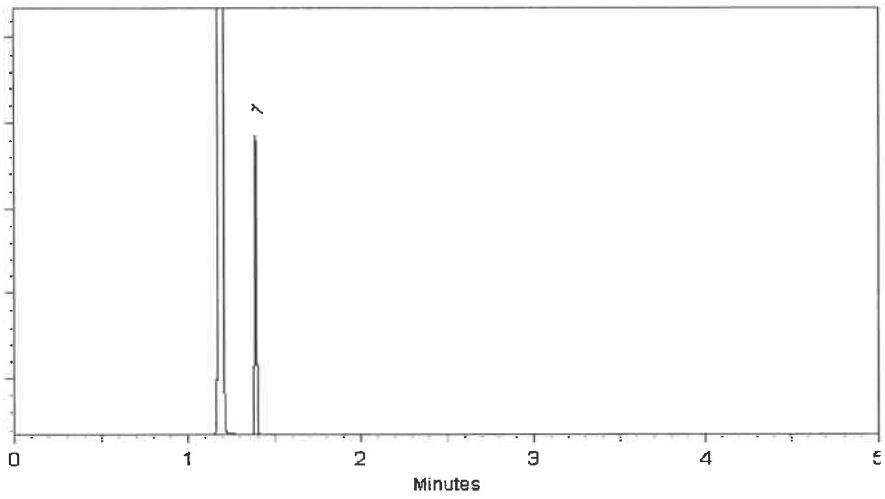
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




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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:

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### Certified Uncertainty Value Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

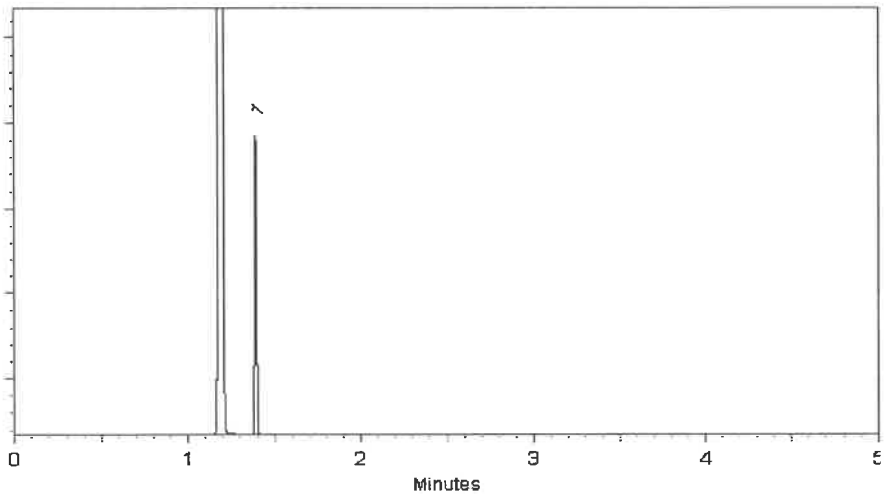
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-020223-01 | 454157 | ≤ -10 °C | P/T Methanol | 6/10/2026 | 1,4-Dioxane Solution, 2000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,4-dioxane | 123-91-1 | 100 | 223.1.3P | 1997 ± 57.08 |

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-020223-01 | 454157 | ≤ -10 °C | P/T Methanol | 6/10/2026 | 1,4-Dioxane Solution, 2000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,4-dioxane | 123-91-1 | 100 | 223.1.3P | 1997 ±57.08 |

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- | 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- | 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- | 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- | 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- | 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- | 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- | 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- | 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- | 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- | 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- | 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- | 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- | 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- | 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- | 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- | 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- | 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- | 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- | 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- | 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- | 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- | 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- | 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- | 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- | 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- | 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- | 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- | 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

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|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
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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

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

RESTEK
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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

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- | 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- | 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- | 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- | 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- | 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- | 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- | 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- | 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- | 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- | 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- | 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- | 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- | 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- | 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- | 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- | 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- | 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- | 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- | 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- | 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- | 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- | 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- | 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- | 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- | 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- | 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- | 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- | 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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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

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- | 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- | 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- | 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- | 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- | 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- | 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- | 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- | 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- | 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- | 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- | 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- | 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- | 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- | 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- | 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- | 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- | 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- | 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- | 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- | 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- | 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- | 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- | 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- | 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- | 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- | 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- | 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- | 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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# Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

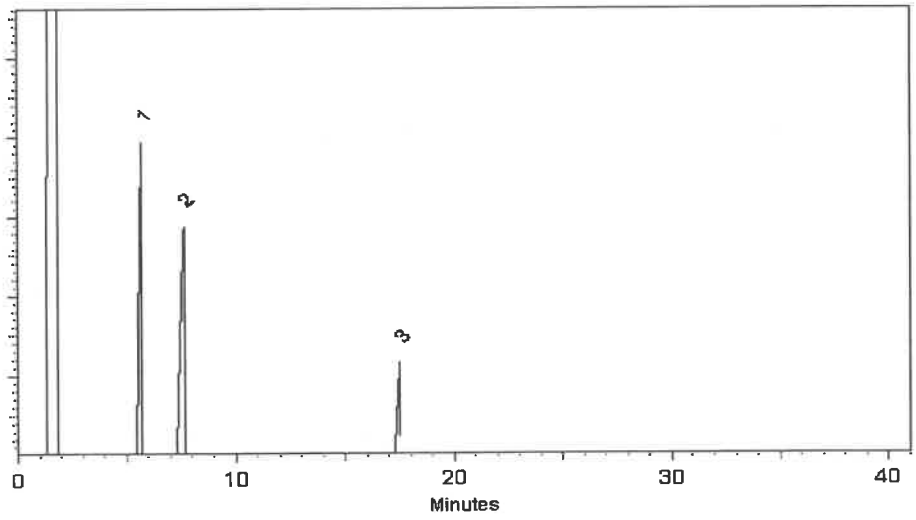
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

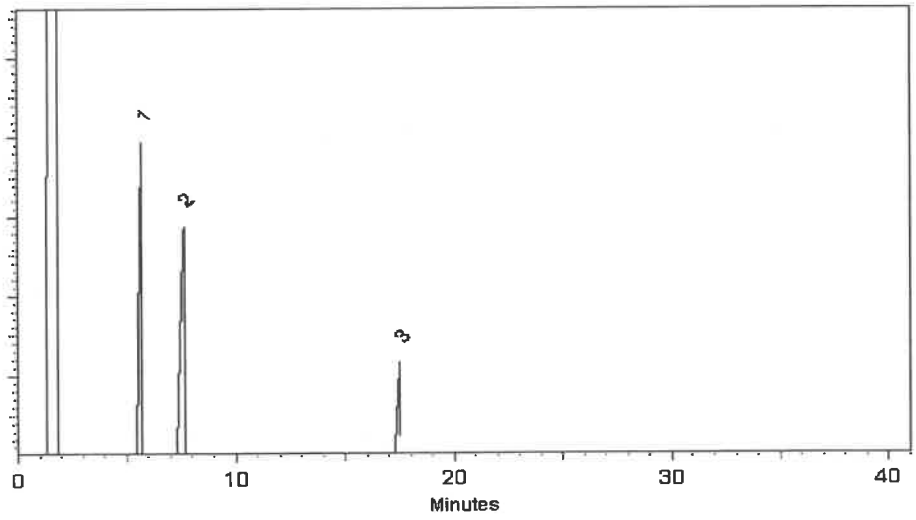
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

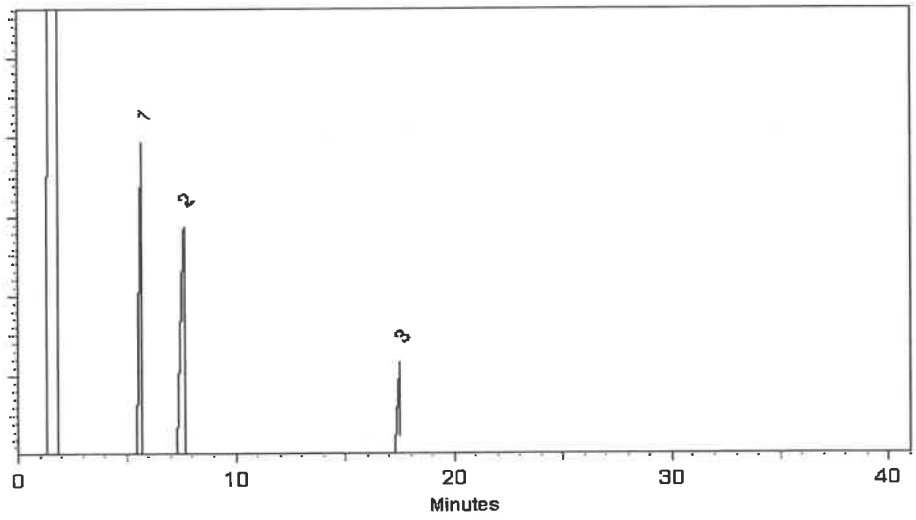
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

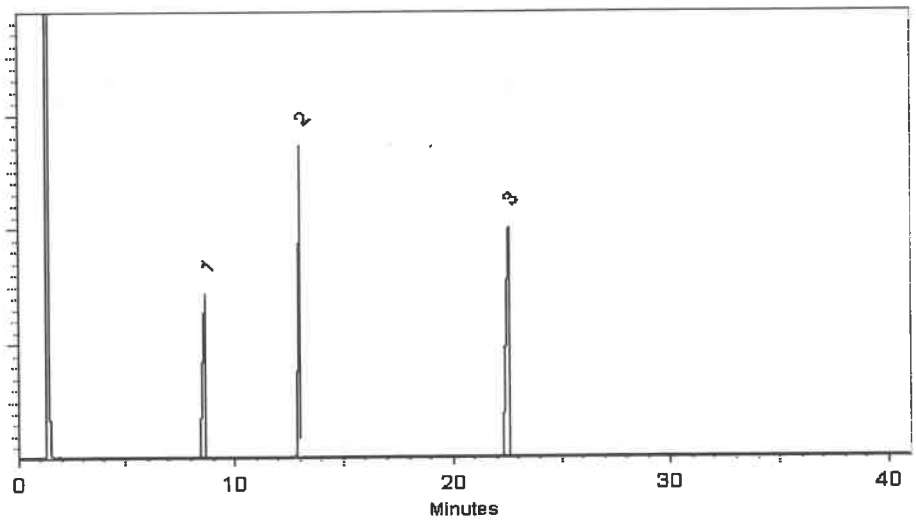
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

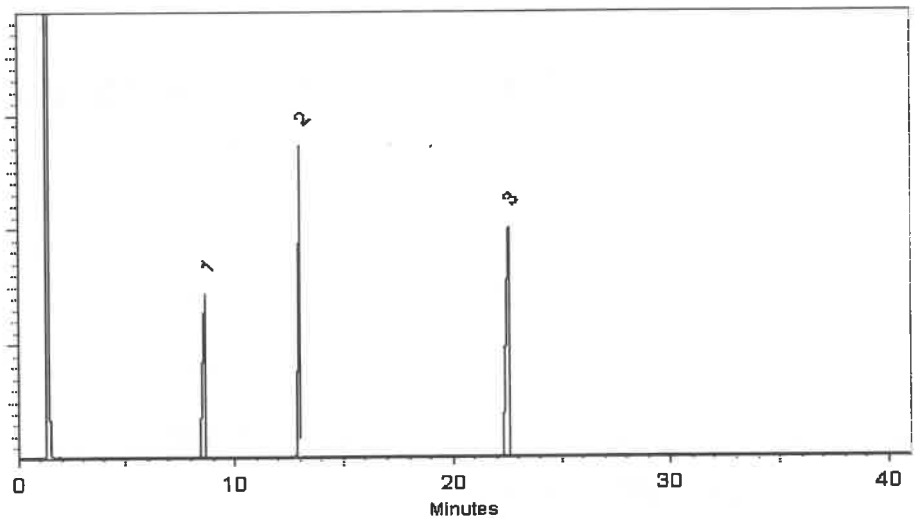
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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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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

# Certificate of Analysis

*chromatographic plus*

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S12312 ↓ S12331 } RC/ 05/30/24

**Catalog No. :** 31206 **Lot No.:** A0206540

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,007.1 µg/mL | +/- 90.4025 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,005.9 µg/mL | +/- 90.3454 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,007.9 µg/mL | +/- 90.4385 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-32303 | 99% | 2,006.7 µg/mL | +/- 90.3845 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-32210 | 99% | 2,015.5 µg/mL | +/- 90.7778 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,014.7 µg/mL | +/- 90.7448 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

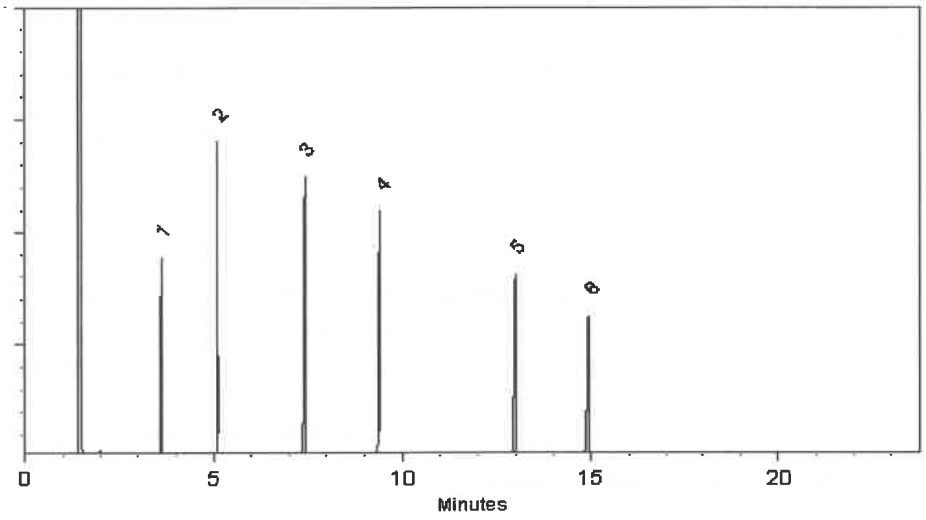
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

**Date Mixed:** 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 16-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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### Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

*gravimetric*

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- 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:

- 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

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CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## 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) |
|---|---|---|---|---|---|---|
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| 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

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

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110 Benner Circle
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Tel: 1-814-353-1300
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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ISO 17034 Accredited
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Certificate #3222.01

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**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

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**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

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S12509 ↓ S12568 } RC/ 7/24/24

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic plus*

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**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110816-01 | 414127 | ≤-10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| atrazine | 1912-24-9 | 99.5 | 337.7.3P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 991.8 ± 5.77 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

S12280 ↓ S12284 RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# SHIPPING DOCUMENTS

**CHEMTECH**
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P5316
COC Number:

| CLIENT INFORMATION | PROJECT INFORMATION | BILLING INFORMATION |
|---|---|---|
| COMPANY: Tetra Tech | PROJECT NAME: NWIRP Bethpage | BILL TO: SEE CONTRACT PO# |
| ADDRESS: 4433 Corporation Ln, Suite 300 | PROJECT #: 112G08005-WE13 LOCATION: Soil IDW | ADDRESS: |
| CITY: Virginia Beach STATE: VA ZIP: 23462 | PROJECT MANAGER: Ernie Wu | CITY: STATE: ZIP: |
| ATTENTION: Ernie Wu | E-MAIL: ernie.wu@tetratech.com | ATTENTION: PHONE: |
| PHONE: 757-466-4901 FAX: 757-461-4148 | PHONE: 757-466-4901 FAX: 757-461-4148 | |

**DATA TURNAROUND INFORMATION**

FAX: 48hrs DAYS*
HARD COPY: 48hrs DAYS*
EDD 48hrs DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

**DATA DELIVERABLE INFORMATION**

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

**ANALYSIS**

| | 1 NYSDEC 375-6.8(b) VOC | 2 % Solids | 3 NYSDEC 375-6.8(b) Metals | 4 NYSDEC-375-6.8(b) PCB/Pest; NYSDEC 375-6.8(b) SVOCs | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| **PRESERVATIVES** | | | | | | | | | |
| 1 | 3 | 1 | 1 | 1 | | | | | |
| 2 | 3 | 1 | | | | | | | |
| 3 | 3 | 1 | | | | | | | |
| 4 | 3 | 1 | | | | | | | |
| 5 | 3 | 1 | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles |
|---|---|---|---|---|---|---|---|
| 1. | TT-304-IDWSO-20241217-1 | SOIL | X | | 12/17/24 | 13:00 | 6 |
| 2. | TT-304-IDWSO-20241217-2 | SOIL | X | | 12/17/24 | 13:05 | 4 |
| 3. | TT-304-IDWSO-20241217-3 | SOIL | X | | 12/17/24 | 13:10 | 4 |
| 4. | TT-304-IDWSO-20241217-4 | SOIL | X | | 12/17/24 | 13:15 | 4 |
| 5. | TT-304-IDWSO-20241217-5 | SOIL | X | | 12/17/24 | 13:20 | 4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |

**COMMENTS**

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. | 12/17/24 1400 | 1. 1530 12-17-24 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME | RECEIVED FOR LAB BY |
| 3. | 12-17-24 1830 | 3. |

**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.9c
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:
**Comments: 48 hrs TAT** - CTO-WE13 Drilling Soil IDW Sampling - NYSDEC 375-6.8(b) VOC

Page 1 of 1

**SHIPPED VIA:** CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

**Shipment Complete** ☐ YES ☐ NO

**WHITE** - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

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 (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P5316 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 12/17/2024 3:44:00 PM
**Project Name :** CTO WE13
**Receive DateTime :** 12/17/2024 ~~12:00:00~~ 18:30 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** ADAPT
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|---|
| P5316-01 | TT-304-IDWSO-20241217-1 | Solid | 12/17/2024 | 13:00 | | | | | | |
| | | | | | VOCMS Group4 | | 8260D | ~~10~~ Bus. Days | | 2 days |
| P5316-02 | TT-304-IDWSO-20241217-2 | Solid | 12/17/2024 | 13:05 | | | | | | |
| | | | | | VOCMS Group4 | | 8260D | ~~10~~ Bus. Days | | |
| P5316-03 | TT-304-IDWSO-20241217-3 | Solid | 12/17/2024 | 13:10 | | | | | | |
| | | | | | VOCMS Group4 | | 8260D | ~~10~~ Bus. Days | | |
| P5316-04 | TT-304-IDWSO-20241217-4 | Solid | 12/17/2024 | 13:15 | | | | | | |
| | | | | | VOCMS Group4 | | 8260D | ~~10~~ Bus. Days | | |
| ~~P5316-05~~ | ~~TT-304-IDWSO-20241217-5~~ | ~~Solid~~ | ~~12/17/2024~~ | ~~13:20~~ | | | | | | |
| | | | | | ~~VOCMS Group4~~ | | ~~8260D~~ | ~~10 Bus. Days~~ | | |

**Relinguished By :** [signature]
**Date / Time :** 12-18-24 1045

**Received By :** [signature]
**Date / Time :** 12-17-24 10:45

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.845 | 152 | 76578 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 298630 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 192062 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 358020 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 282501 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 236486 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 94639 | 20.344 | ng | | 0.00 |
| 7) Phenol-d6 | 6.492 | 99 | 127200 | 20.645 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.410 | 82 | 119665 | 20.048 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.674 | 330 | 45327 | 19.954 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 270749 | 19.381 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 352398 | 19.670 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 20526 | 10.244 | ng | | 95 |
| 3) Pyridine | 3.428 | 79 | 45270 | 9.756 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.351 | 42 | 22689 | 9.699 | ng | | 99 |
| 6) Aniline | 6.516 | 93 | 55946 | 10.620 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.639 | 128 | 52812 | 10.411 | ng | | 97 |
| 9) Benzaldehyde | 6.404 | 77 | 40257 | 11.792 | ng | | 97 |
| 10) Phenol | 6.510 | 94 | 64718 | 10.135 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 47546 | 9.984 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 58952 | 10.199 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 61319 | 10.451 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 57259 | 10.343 | ng | | 97 |
| 15) Benzyl Alcohol | 6.998 | 79 | 43771 | 9.936 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 57243 | 10.204 | ng | | 94 |
| 17) 2-Methylphenol | 7.110 | 107 | 42307 | 10.446 | ng | | 97 |
| 18) Hexachloroethane | 7.351 | 117 | 22224 | 10.174 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 38459 | 10.406 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 57077 | 10.628 | ng | # | 84 |
| 22) Acetophenone | 7.257 | 105 | 75049 | 10.046 | ng | | 96 |
| 24) Nitrobenzene | 7.428 | 77 | 61294 | 10.024 | ng | | 100 |
| 25) Isophorone | 7.669 | 82 | 100405 | 10.039 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 27623 | 9.808 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.786 | 122 | 32852 | 9.988 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 61752 | 9.886 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 46274 | 10.191 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 52790 | 10.141 | ng | | 99 |
| 31) Naphthalene | 8.145 | 128 | 168002 | 10.241 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 25770 | 8.261 | ng | | 98 |
| 33) 4-Chloroaniline | 8.204 | 127 | 55948 | 10.269 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 35099 | 10.022 | ng | | 97 |
| 35) Caprolactam | 8.557 | 113 | 13417 | 9.925 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.692 | 107 | 51876 | 10.150 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 109525 | 10.093 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 110917 | 10.335 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 55018 | 9.320 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.986 | 237 | 8781 | 8.866 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.127 | 196 | 32555 | 9.006 | ng | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

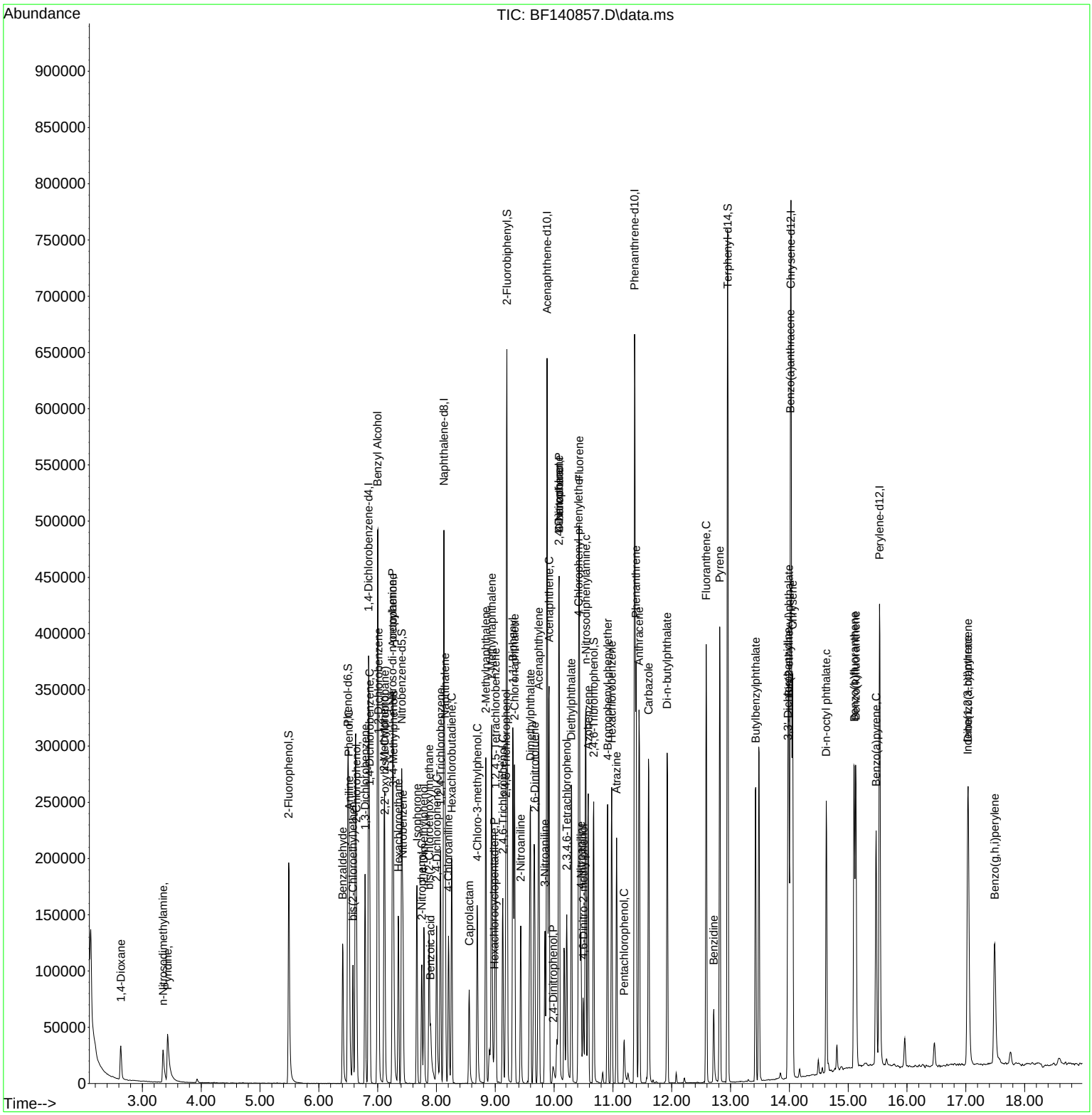
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 35030 | 8.817 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 145227 | 9.509 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.327 | 162 | 111077 | 9.507 | ng | | 99 |
| 48) 2-Nitroaniline | 9.433 | 65 | 33225 | 9.416 | ng | | 98 |
| 49) Acenaphthylene | 9.739 | 152 | 174905 | 10.187 | ng | | 98 |
| 50) Dimethylphthalate | 9.598 | 163 | 131257 | 9.693 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 30431 | 9.831 | ng | | 97 |
| 52) Acenaphthene | 9.916 | 154 | 114273 | 10.419 | ng | | 99 |
| 53) 3-Nitroaniline | 9.845 | 138 | 30367 | 9.885 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 8488 | 11.701 | ng | | 95 |
| 55) Dibenzofuran | 10.086 | 168 | 180108 | 10.598 | ng | | 99 |
| 56) 4-Nitrophenol | 10.086 | 139 | 82229 | 51.441 | ng | # | 10 |
| 57) 2,4-Dinitrotoluene | 10.080 | 165 | 42109 | 10.339 | ng | | 99 |
| 58) Fluorene | 10.427 | 166 | 146155 | 10.424 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 29950 | 9.251 | ng | | 94 |
| 60) Diethylphthalate | 10.292 | 149 | 142484 | 10.147 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 72010 | 10.224 | ng | | 99 |
| 62) 4-Nitroaniline | 10.457 | 138 | 31962 | 9.956 | ng | | 98 |
| 63) Azobenzene | 10.580 | 77 | 135524 | 10.267 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 17756 | 8.752 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 121500 | 11.038 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 44385 | 11.082 | ng | | 98 |
| 68) Hexachlorobenzene | 10.980 | 284 | 50135 | 11.040 | ng | | 99 |
| 69) Atrazine | 11.063 | 200 | 36472 | 11.864 | ng | | 100 |
| 70) Pentachlorophenol | 11.192 | 266 | 10230 | 6.158 | ng | | 96 |
| 71) Phenanthrene | 11.392 | 178 | 193504 | 10.510 | ng | | 99 |
| 72) Anthracene | 11.445 | 178 | 190407 | 10.502 | ng | | 99 |
| 73) Carbazole | 11.604 | 167 | 182199 | 10.259 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.921 | 149 | 215903 | 10.359 | ng | | 99 |
| 75) Fluoranthene | 12.586 | 202 | 231038 | 10.896 | ng | | 100 |
| 77) Benzidine | 12.716 | 184 | 45074 | 7.818 | ng | | 99 |
| 78) Pyrene | 12.815 | 202 | 242761 | 9.663 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 86987 | 9.411 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 208127 | 10.395 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 60368 | 9.994 | ng | | 98 |
| 83) Chrysene | 14.057 | 228 | 181387 | 9.963 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 113963 | 9.562 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 165198 | 9.161 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 138792 | 9.405 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.104 | 252 | 173313 | 10.558 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 147840 | 10.499 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.474 | 252 | 128194 | 9.973 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 116533 | 9.532 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 114976 | 9.240 | ng | | 99 |

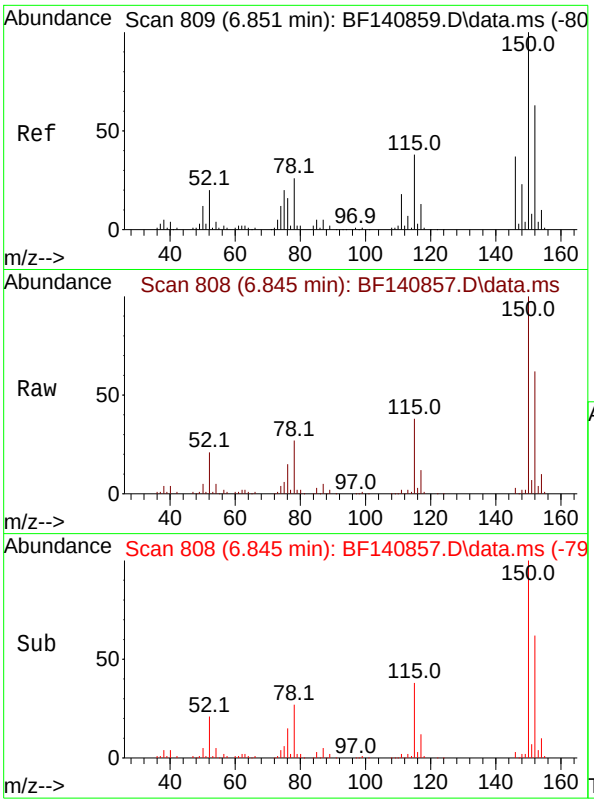
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



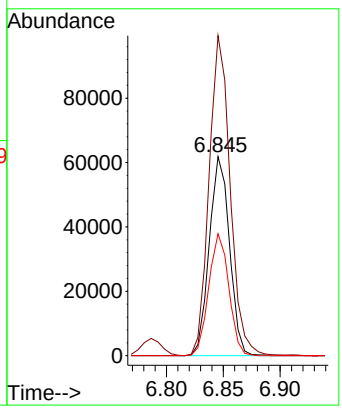


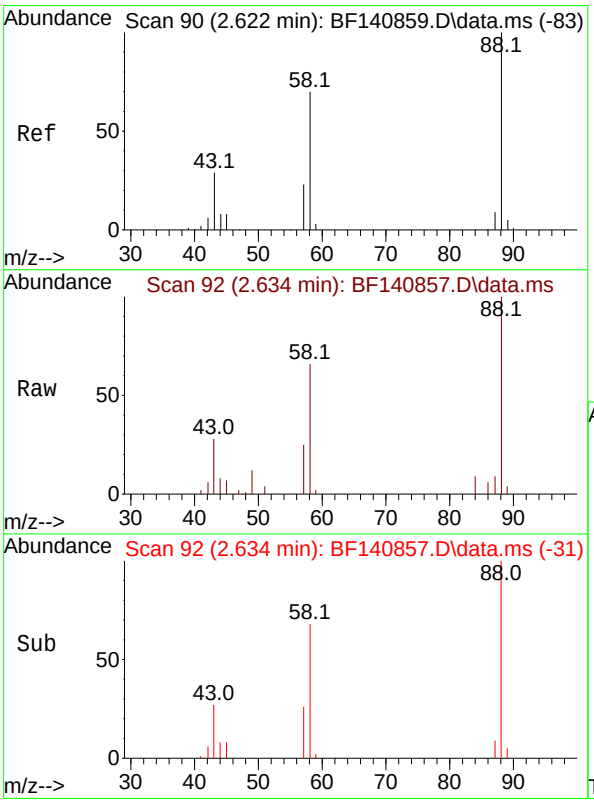

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:152 Resp: 76578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.8 | 127.9 | 191.9 |
| 115 | 61.3 | 48.0 | 72.0 |

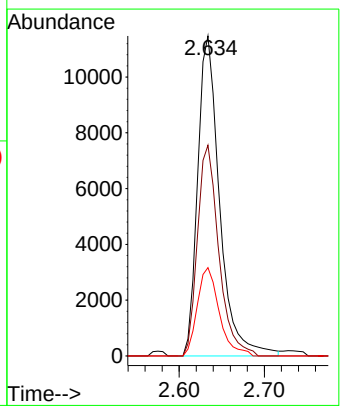


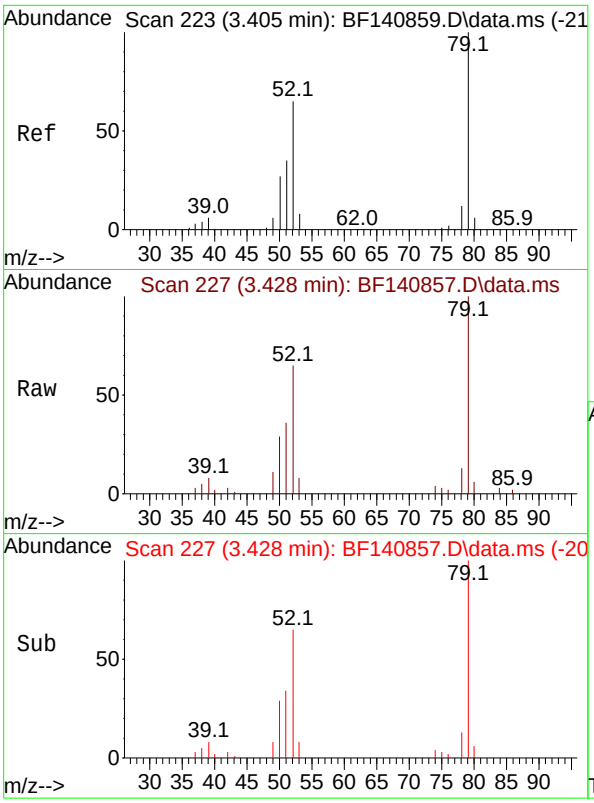




#2
1,4-Dioxane
Concen: 10.244 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 88 Resp: 20526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.0 | 55.8 | 83.8 |
| 43 | 27.6 | 22.7 | 34.1 |



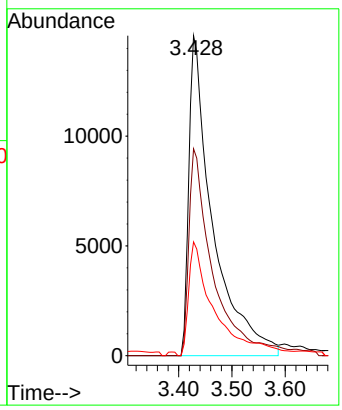


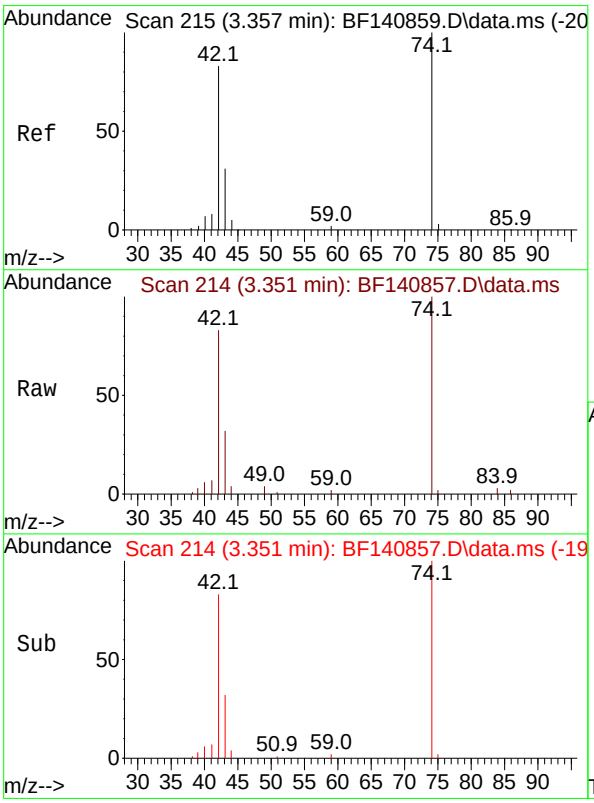

#3
Pyridine
Concen: 9.756 ng
RT: 3.428 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 79 Resp: 45270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.7 | 51.7 | 77.5 |
| 51 | 35.6 | 28.2 | 42.4 |

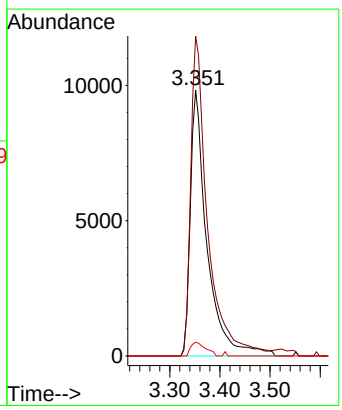


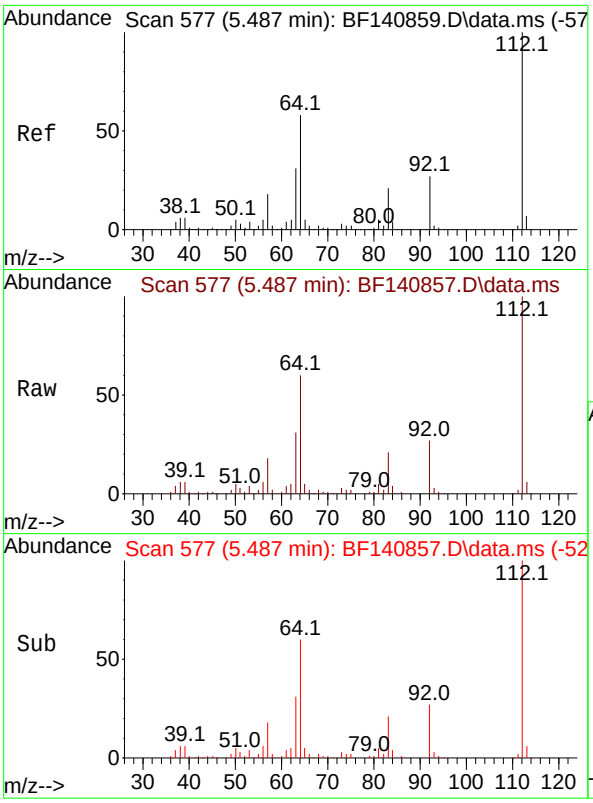




#4
n-Nitrosodimethylamine
Concen: 9.699 ng
RT: 3.351 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 42 Resp: 22689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 120.4 | 96.9 | 145.3 |
| 44 | 5.2 | 4.4 | 6.6 |



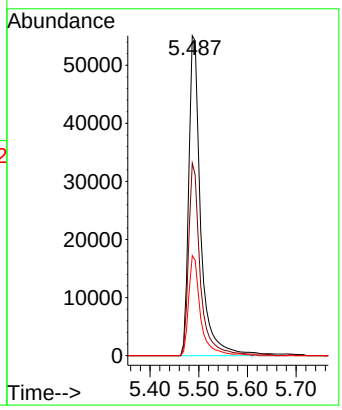


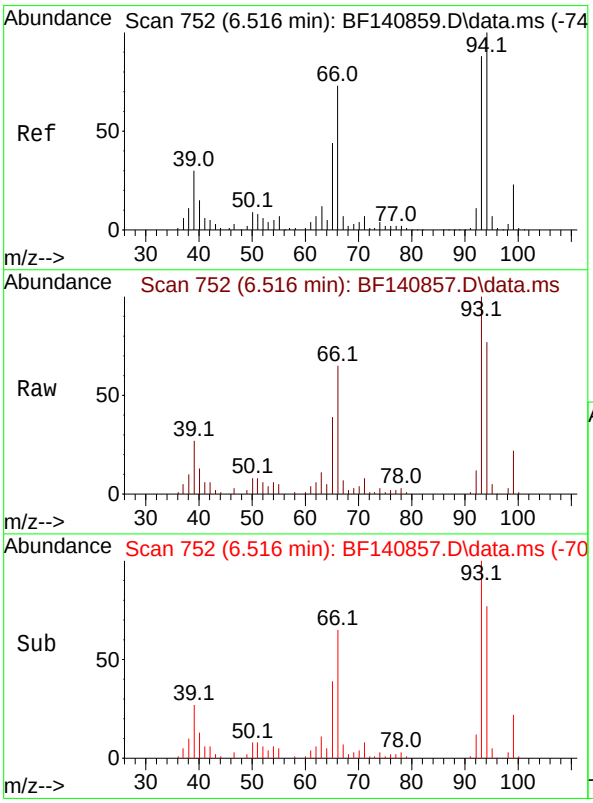

#5
2-Fluorophenol
Concen: 20.344 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:112 Resp: 94639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.1 | 46.1 | 69.1 |
| 63 | 31.3 | 24.9 | 37.3 |

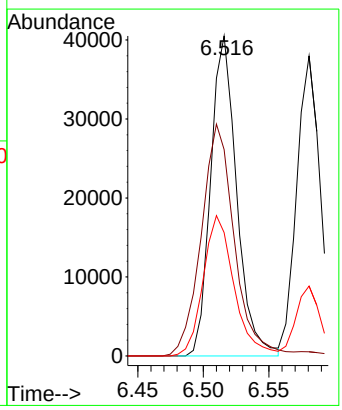


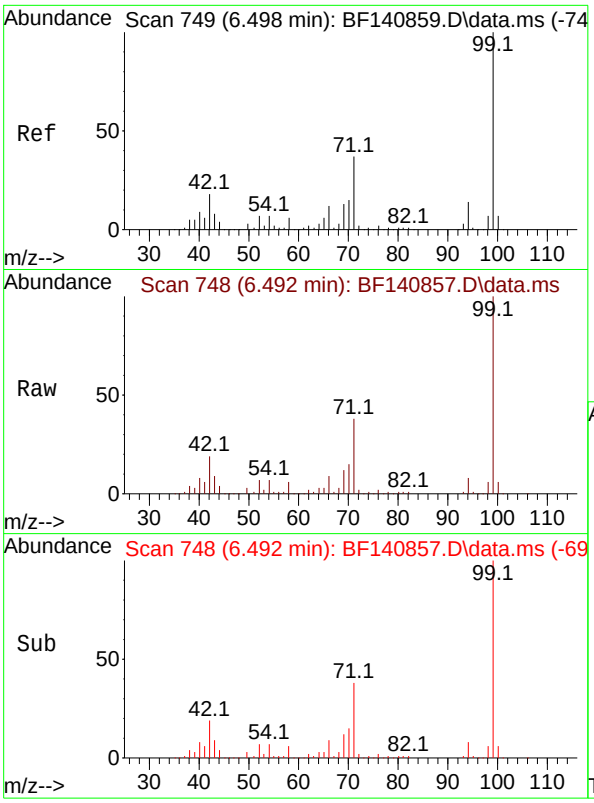




#6
Aniline
Concen: 10.620 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 93 Resp: 55946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 64.5 | 67.0 | 100.4# |
| 65 | 38.5 | 40.4 | 60.6# |



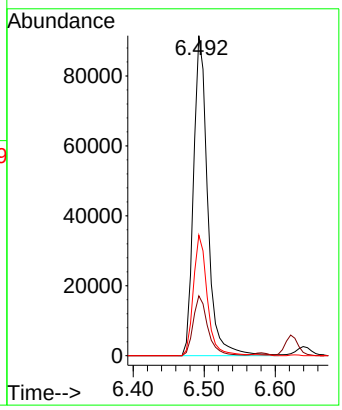


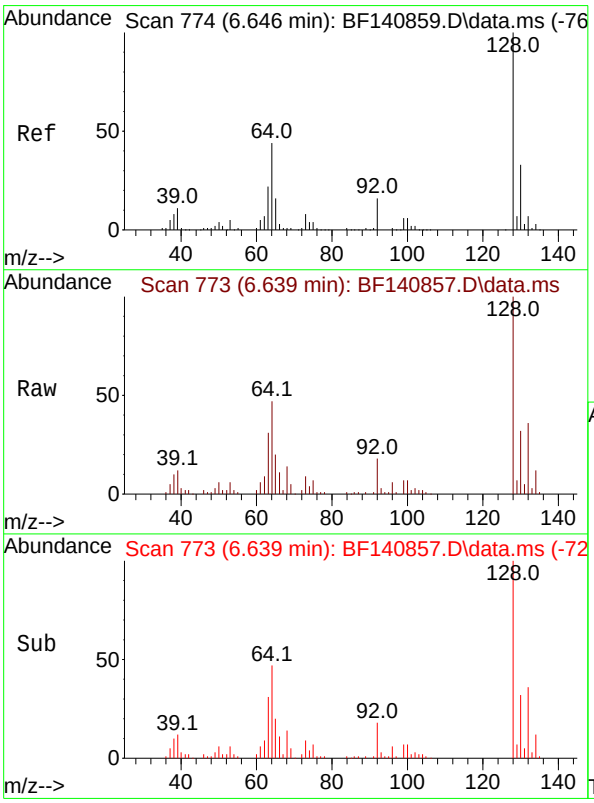

#7
Phenol-d6
Concen: 20.645 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 99 Resp: 127200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 14.3 | 21.5 |
| 71 | 37.6 | 29.9 | 44.9 |

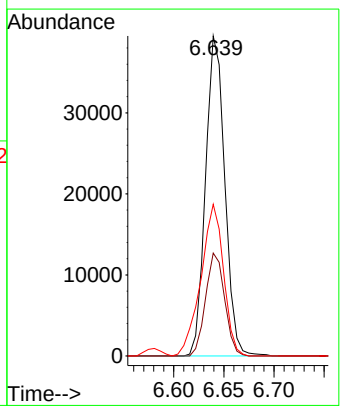


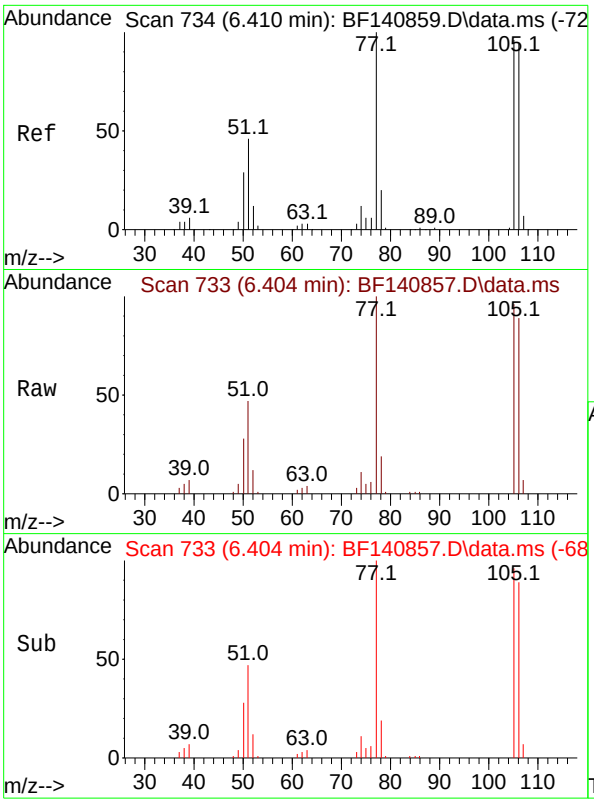




#8
2-Chlorophenol
Concen: 10.411 ng
RT: 6.639 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:128 Resp: 52812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.9 | 52.9 |
| 64 | 47.4 | 24.3 | 64.3 |



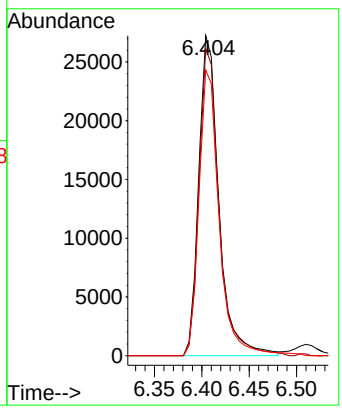


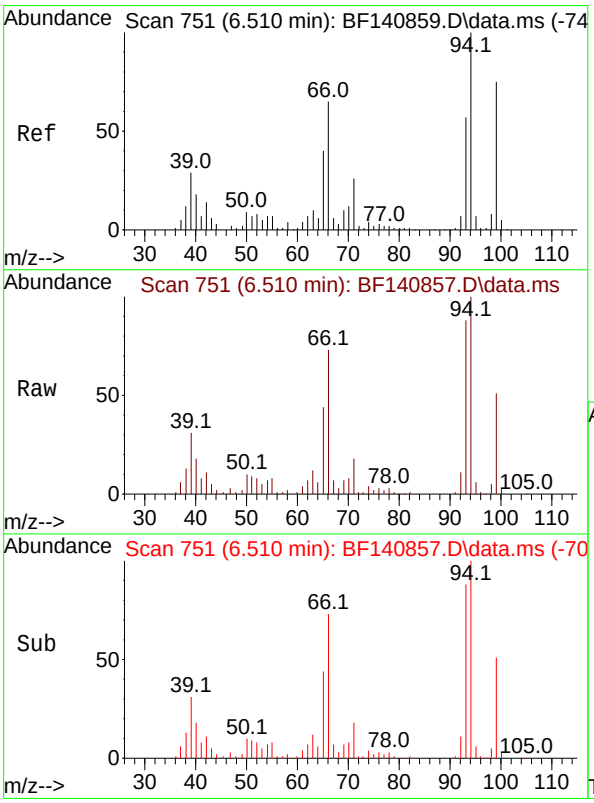

#9
Benzaldehyde
Concen: 11.792 ng
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 77 Resp: 40257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.9 | 75.8 | 115.8 |
| 106 | 89.3 | 74.1 | 114.1 |

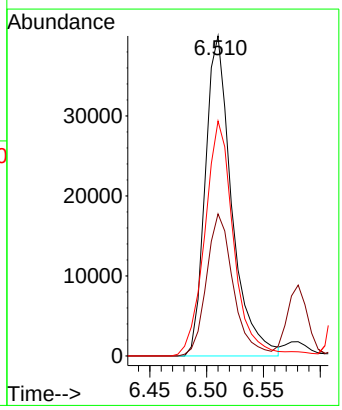


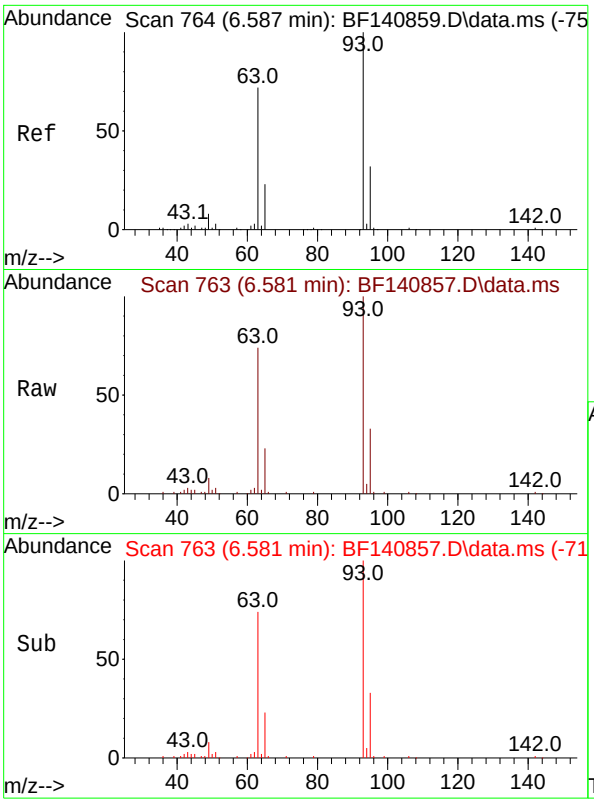




#10
Phenol
Concen: 10.135 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 94 Resp: 64718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 44.4 | 19.9 | 59.9 |
| 66 | 73.4 | 45.6 | 85.6 |



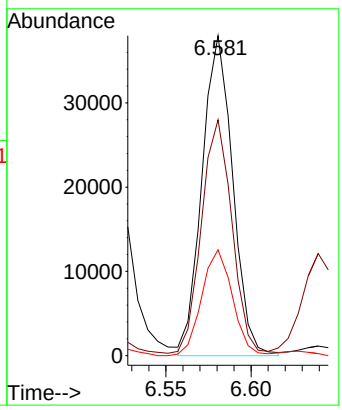


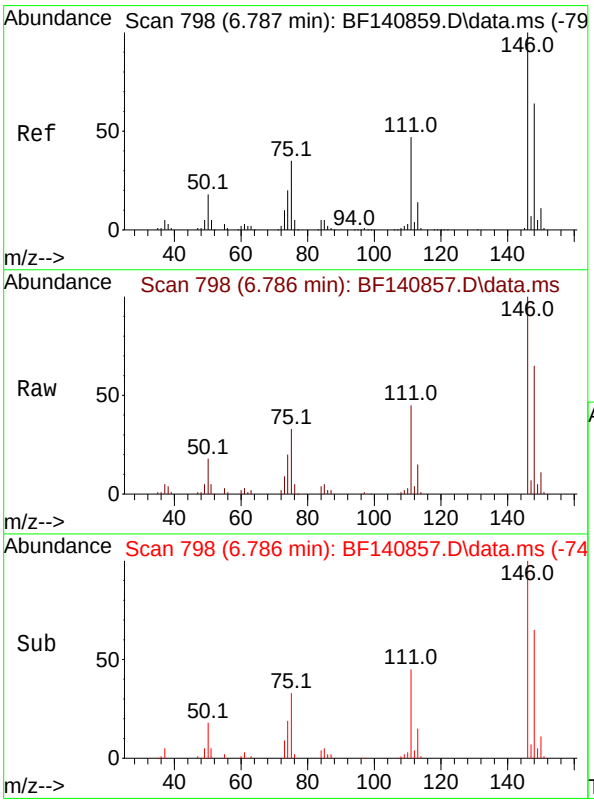

#11
bis(2-Chloroethyl)ether
Concen: 9.984 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 93 Resp: 47546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.7 | 51.0 | 91.0 |
| 95 | 33.1 | 12.0 | 52.0 |

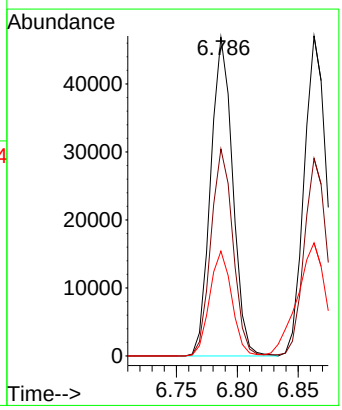


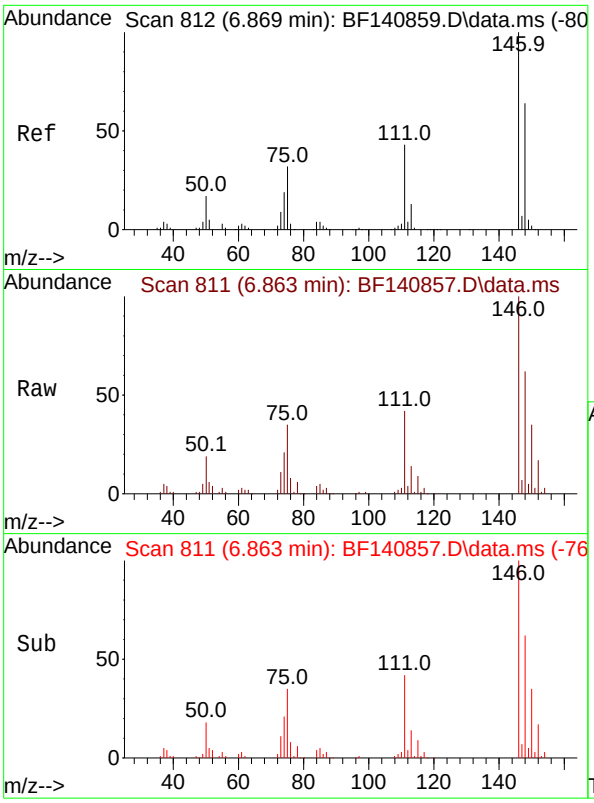




#12
1,3-Dichlorobenzene
Concen: 10.199 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:146 Resp: 58952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.0 | 76.6 |
| 75 | 32.9 | 28.1 | 42.1 |



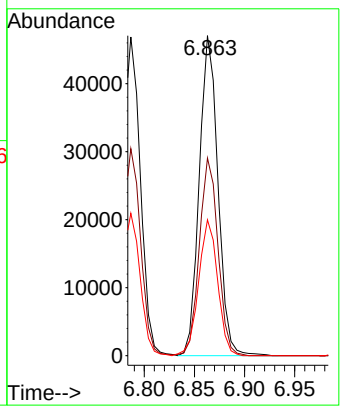


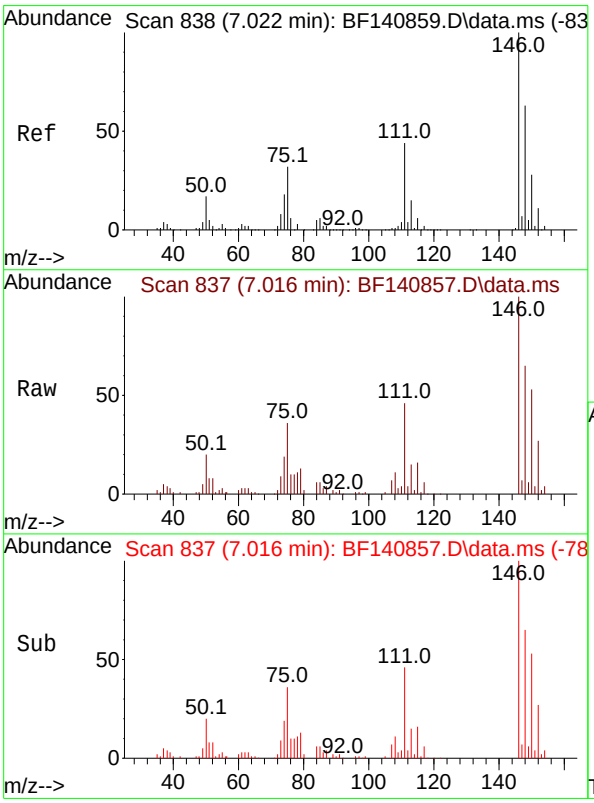

#13
1,4-Dichlorobenzene
Concen: 10.451 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:146 Resp: 61319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.8 | 51.3 | 76.9 |
| 111 | 42.5 | 34.4 | 51.6 |

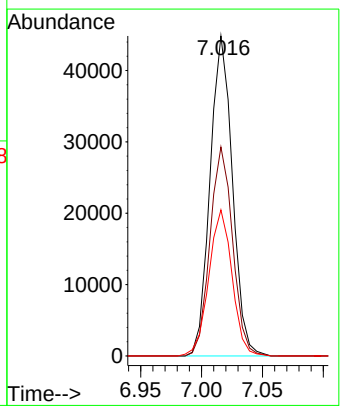


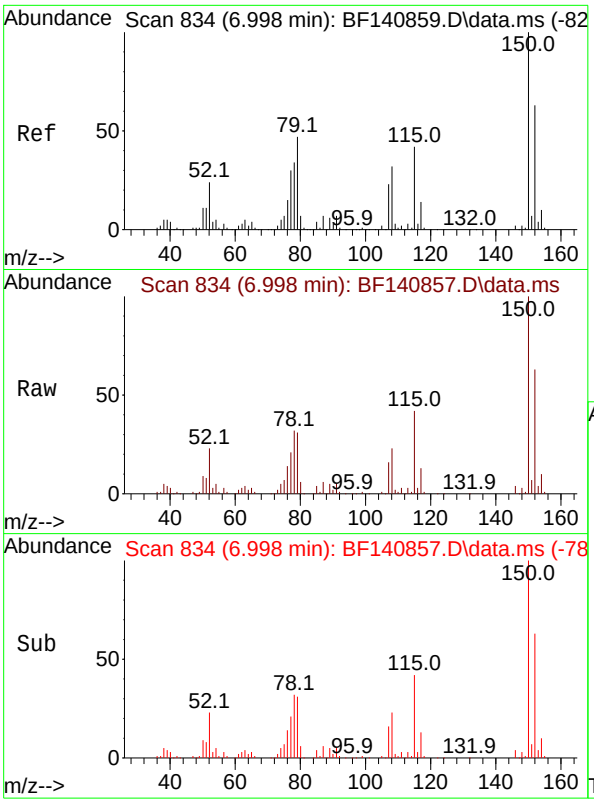




#14
1,2-Dichlorobenzene
Concen: 10.343 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:146 Resp: 57259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 50.0 | 75.0 |
| 111 | 45.6 | 35.6 | 53.4 |



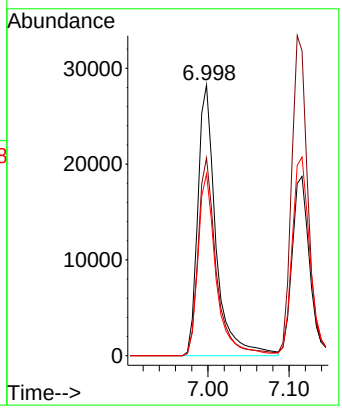


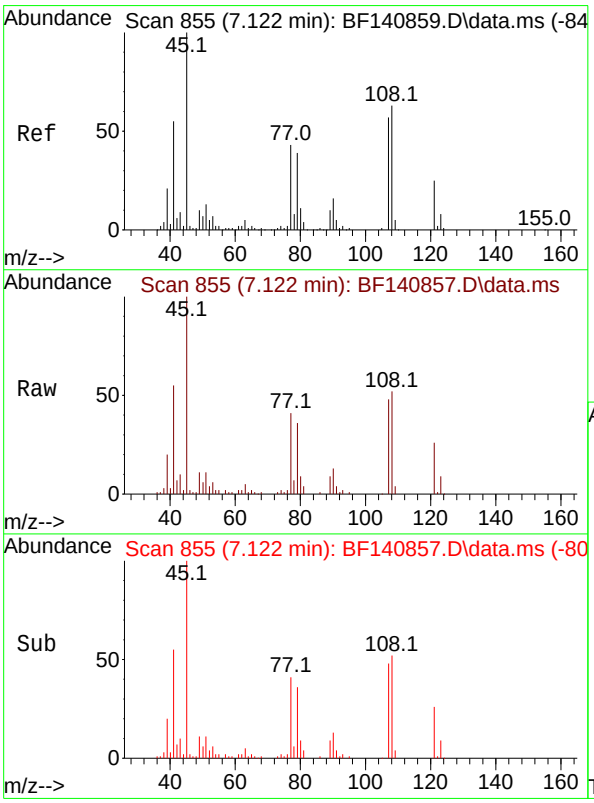

#15
Benzyl Alcohol
Concen: 9.936 ng
RT: 6.998 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 79 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.1 | 55.1 | 82.7 |
| 77 | 67.2 | 50.6 | 76.0 |

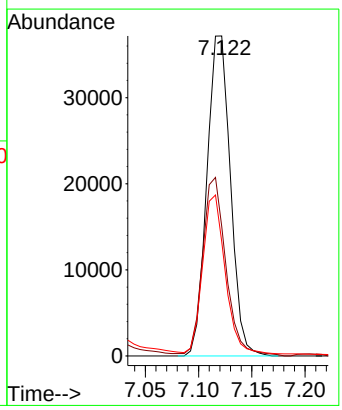


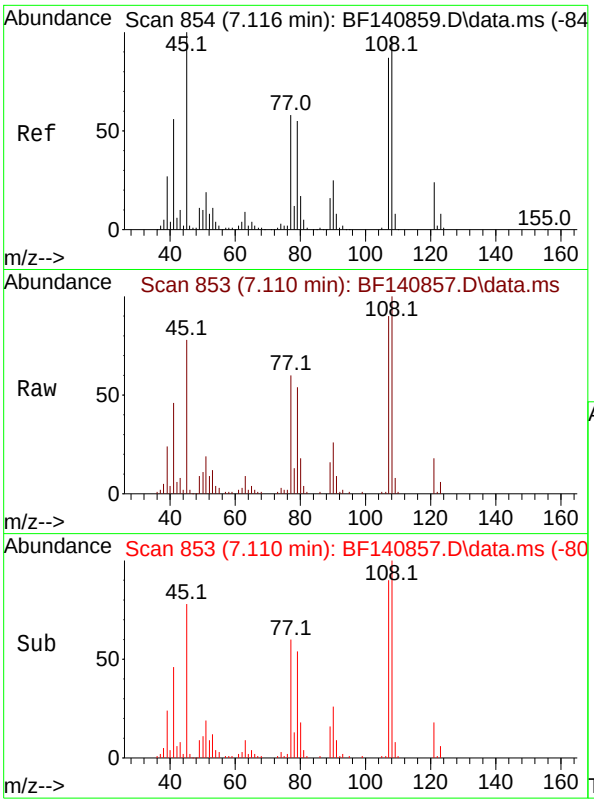




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.204 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 45 Resp: 57243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 40.5 | 23.3 | 63.3 |
| 79 | 35.8 | 20.0 | 60.0 |



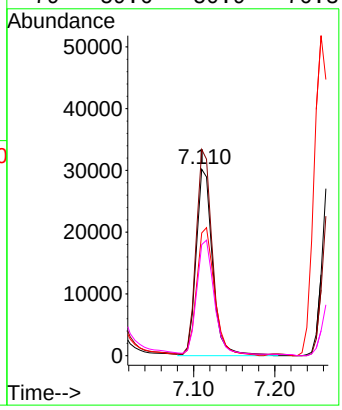


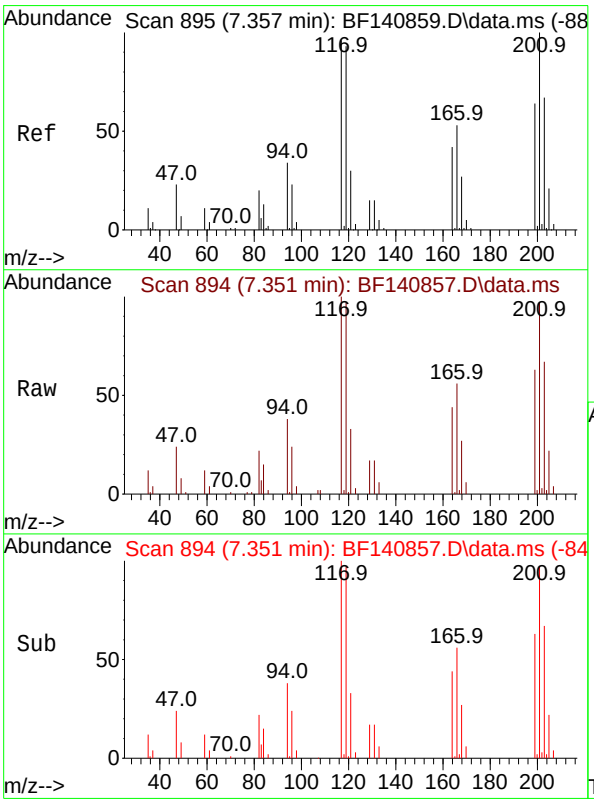

#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.110 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:107 Resp: 42307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.7 | 90.2 | 135.4 |
| 77 | 65.9 | 53.8 | 80.6 |
| 79 | 59.6 | 50.9 | 76.3 |

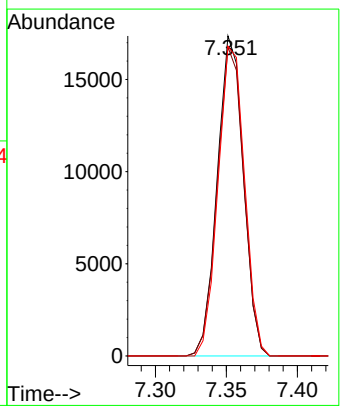


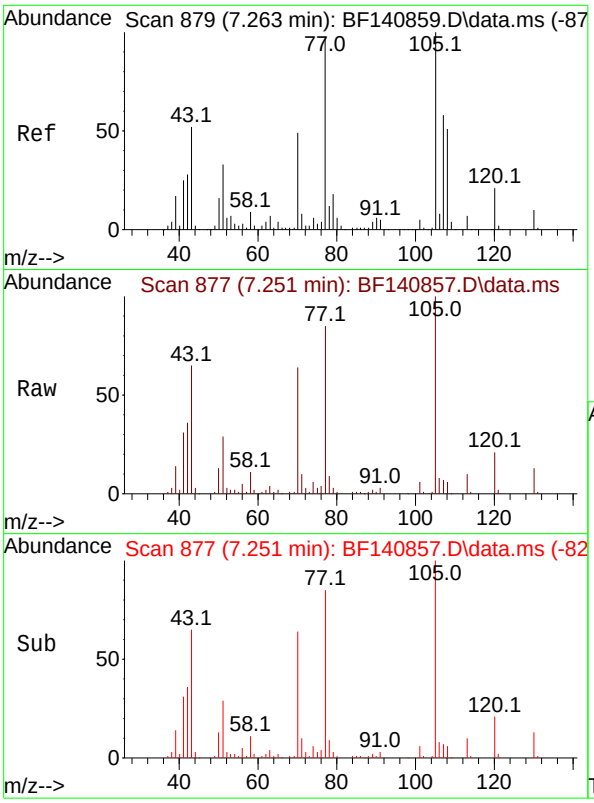




#18
Hexachloroethane
Concen: 10.174 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:117 Resp: 22224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 77.4 | 116.0 |
| 201 | 96.8 | 83.4 | 125.0 |



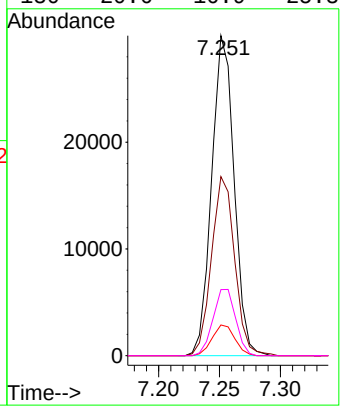


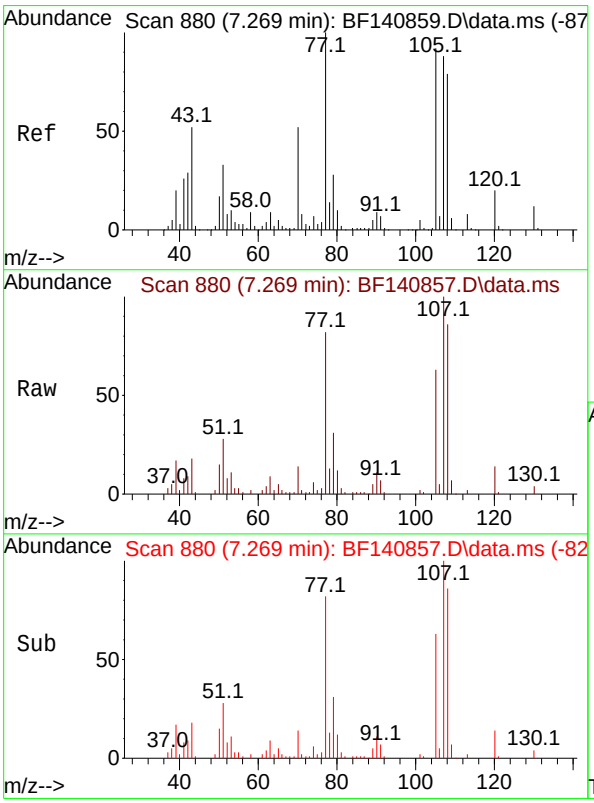

#19
n-Nitroso-di-n-propylamine
Concen: 10.406 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 70 Resp: 38459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.9 | 45.3 | 67.9 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 20.6 | 16.9 | 25.3 |

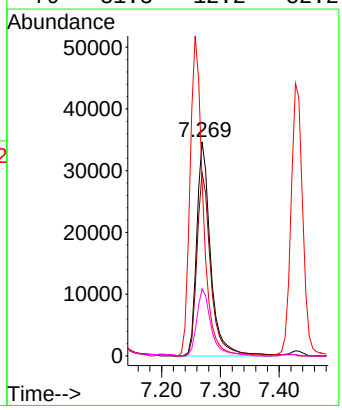


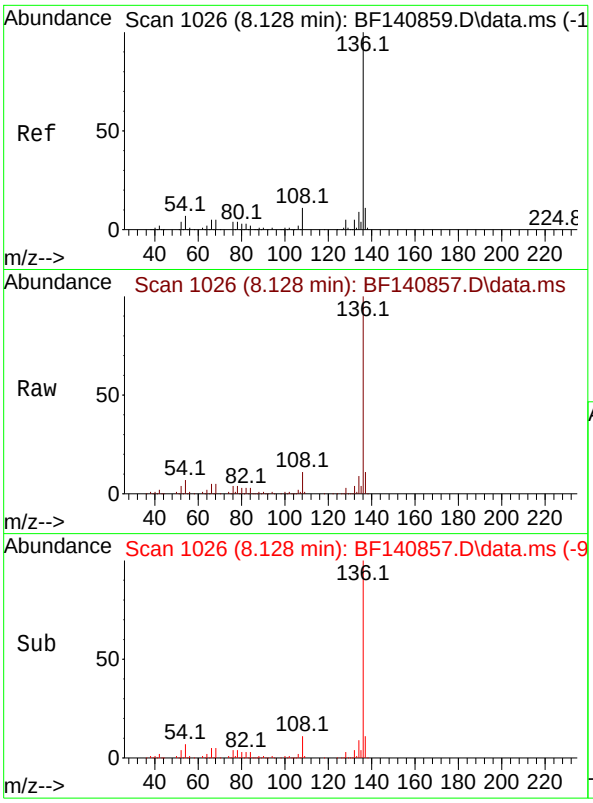




#20
3+4-Methylphenols
Concen: 10.628 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 57077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.6 | 70.1 | 110.1 |
| 77 | 82.3 | 94.4 | 134.4# |
| 79 | 31.3 | 12.2 | 52.2 |



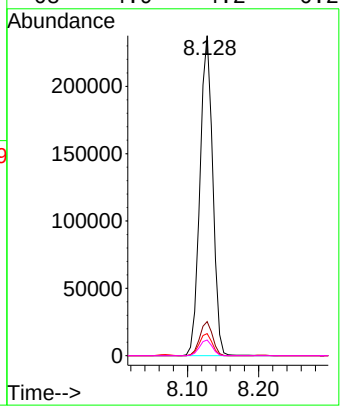


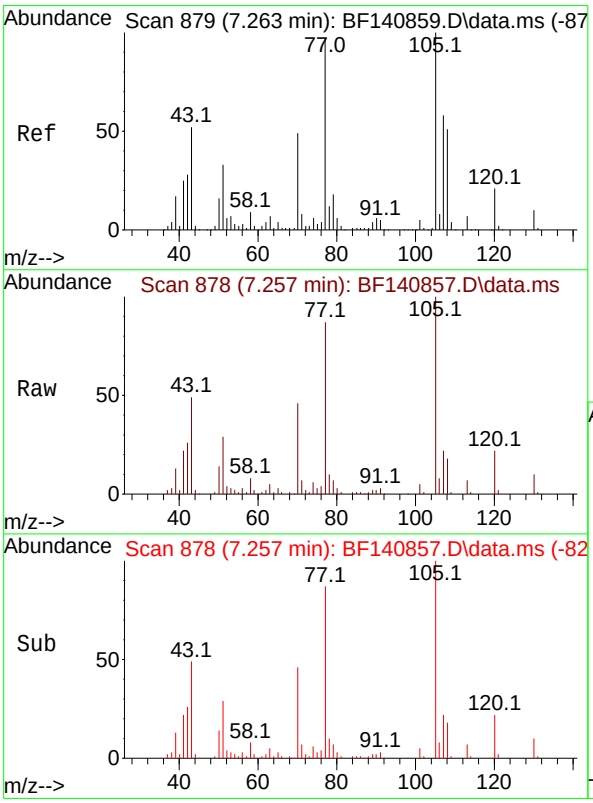

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:136 Resp: 298630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 4.9 | 4.2 | 6.2 |

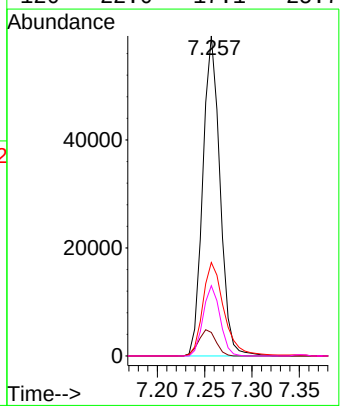


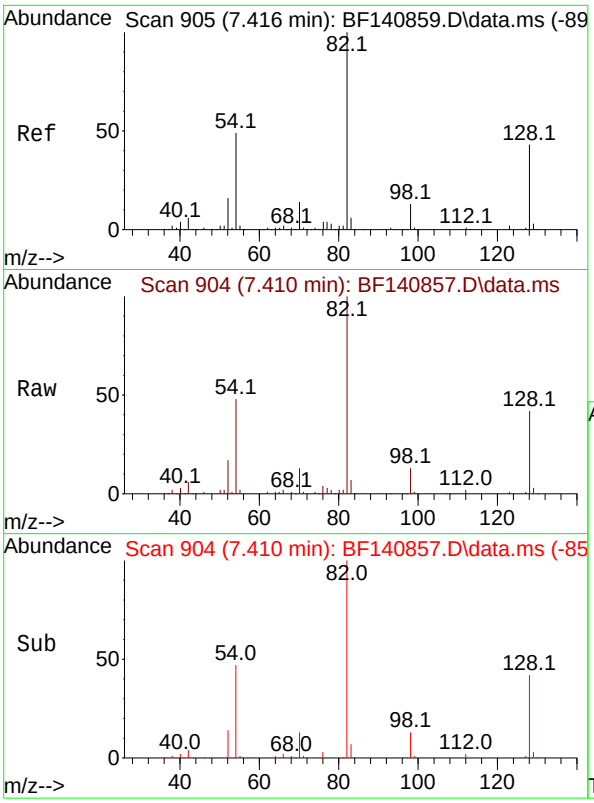




#22
Acetophenone
Concen: 10.046 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:105 Resp: 75049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.3 | 6.2 | 9.4 |
| 51 | 29.2 | 26.3 | 39.5 |
| 120 | 22.0 | 17.1 | 25.7 |



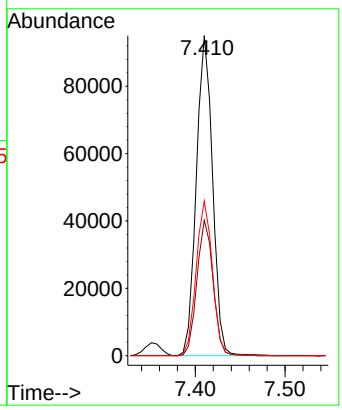


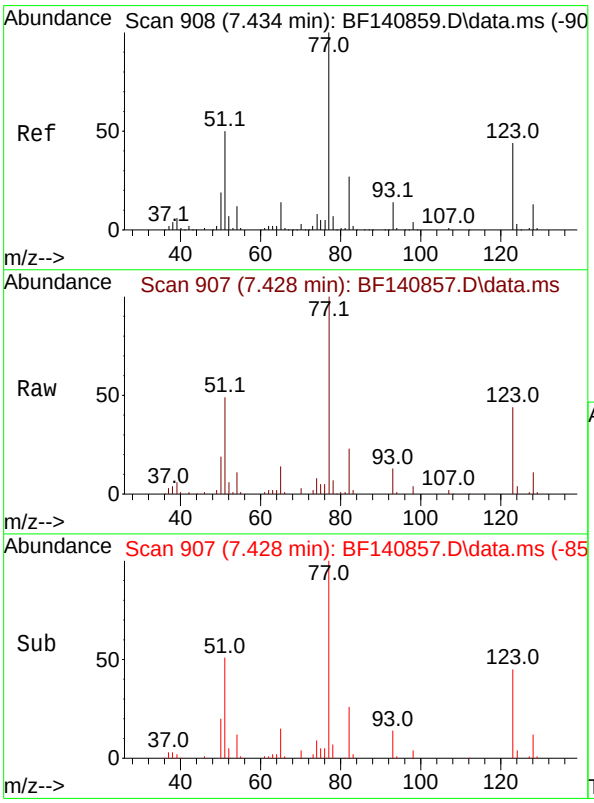

#23
Nitrobenzene-d5
Concen: 20.048 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 82 Resp: 119665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 34.4 | 51.6 |
| 54 | 48.3 | 38.8 | 58.2 |

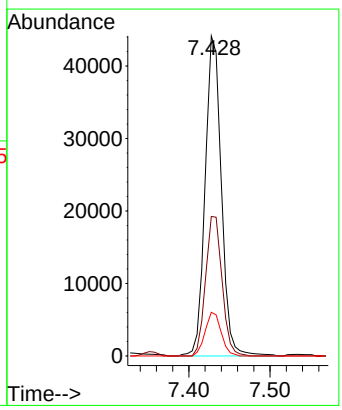


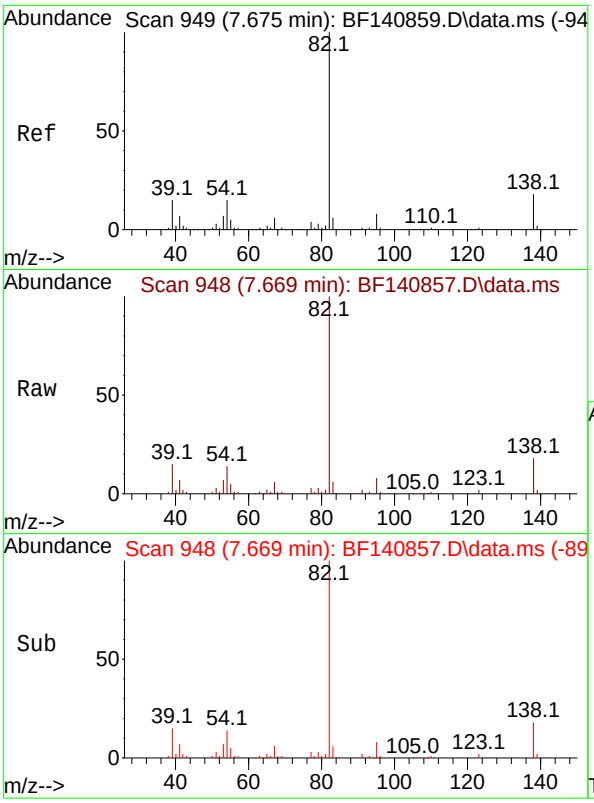




#24
Nitrobenzene
Concen: 10.024 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 77 Resp: 61294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.6 | 35.0 | 52.4 |
| 65 | 13.7 | 11.4 | 17.0 |



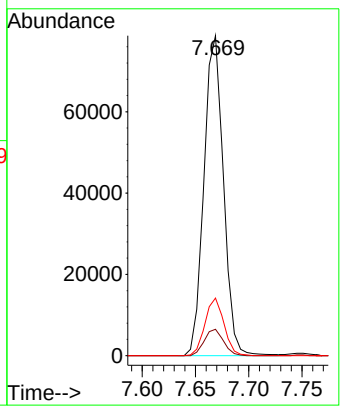


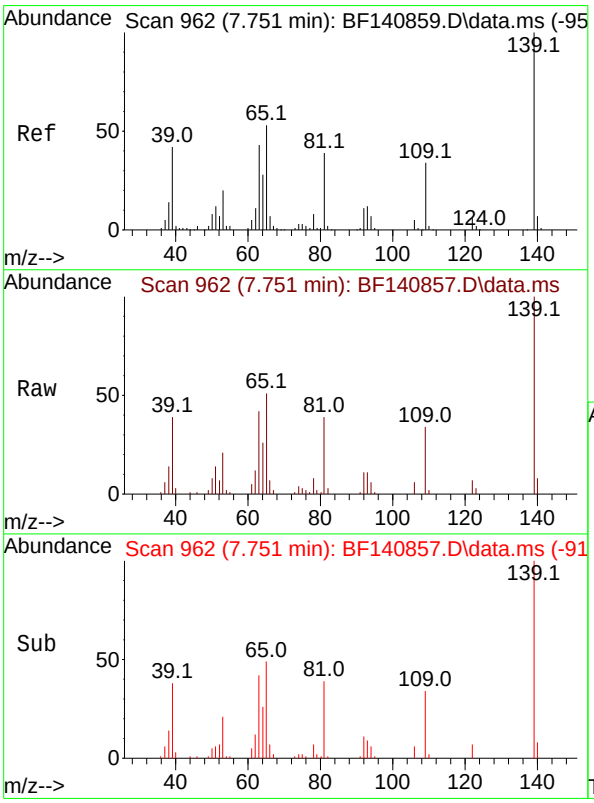

#25
Isophorone
Concen: 10.039 ng
RT: 7.669 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 82 Resp: 100405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.3 | 9.5 |
| 138 | 18.0 | 14.1 | 21.1 |

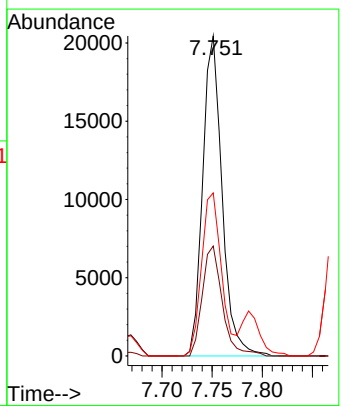


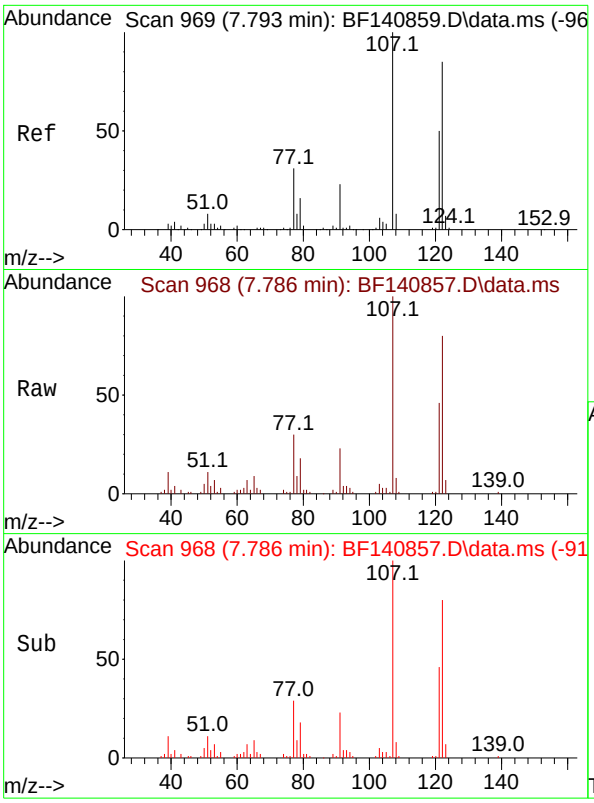




#26
2-Nitrophenol
Concen: 9.808 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:139 Resp: 27623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.3 | 26.9 | 40.3 |
| 65 | 51.0 | 42.6 | 64.0 |



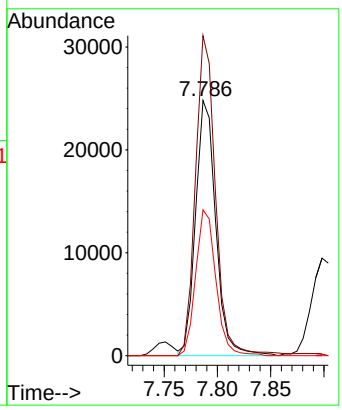


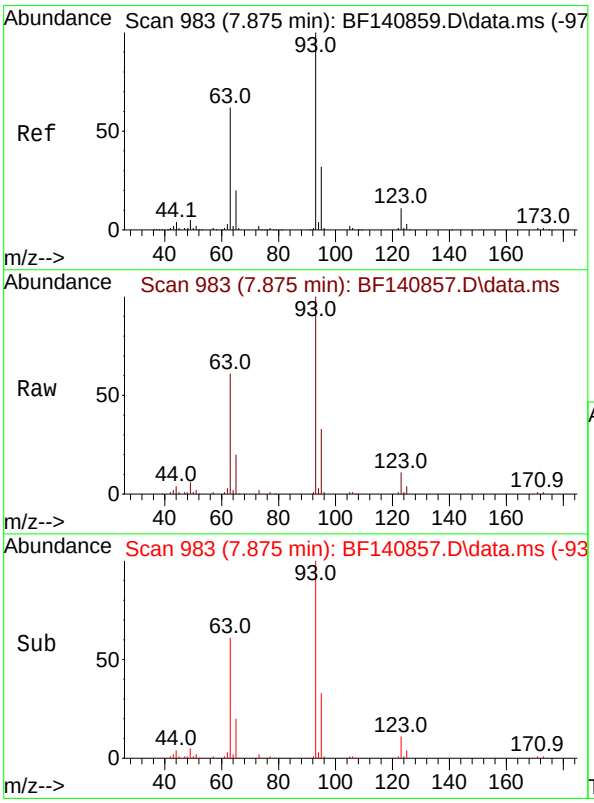

#27
2,4-Dimethylphenol
Concen: 9.988 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:122 Resp: 32852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 125.4 | 92.6 | 139.0 |
| 121 | 57.2 | 45.8 | 68.8 |

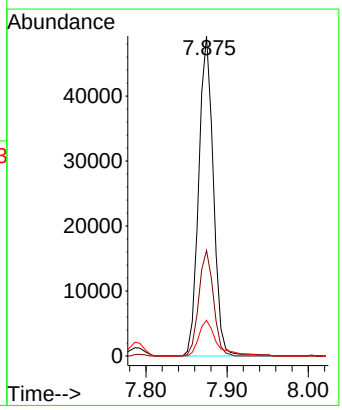


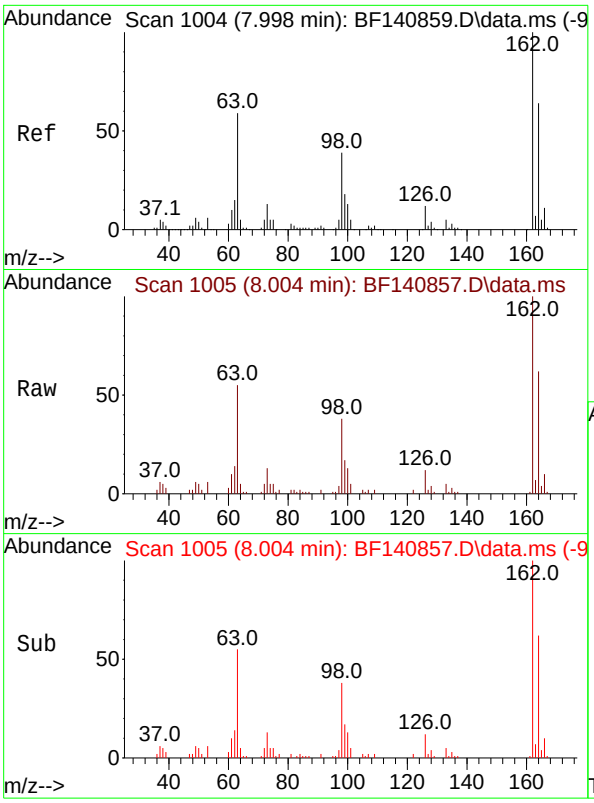




#28
bis(2-Chloroethoxy)methane
Concen: 9.886 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 93 Resp: 61752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 25.3 | 37.9 |
| 123 | 11.2 | 8.6 | 13.0 |



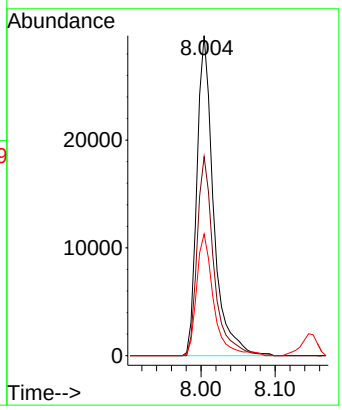


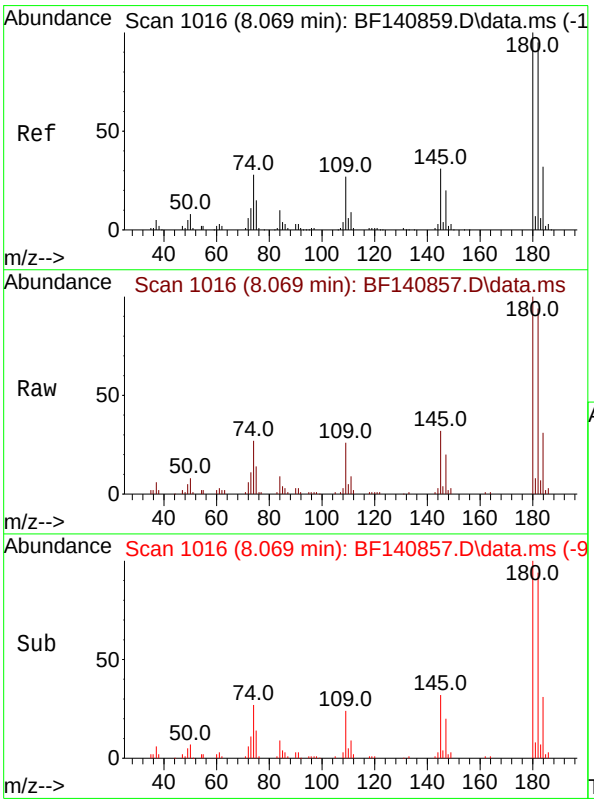

#29
2,4-Dichlorophenol
Concen: 10.191 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:162 Resp: 46274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.2 | 43.7 | 83.7 |
| 98 | 38.0 | 18.6 | 58.6 |

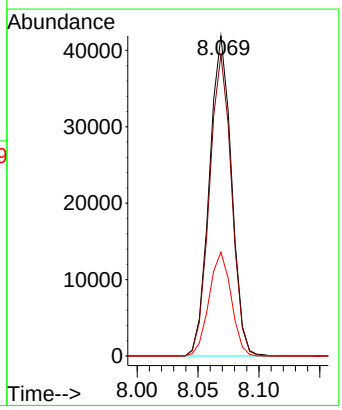


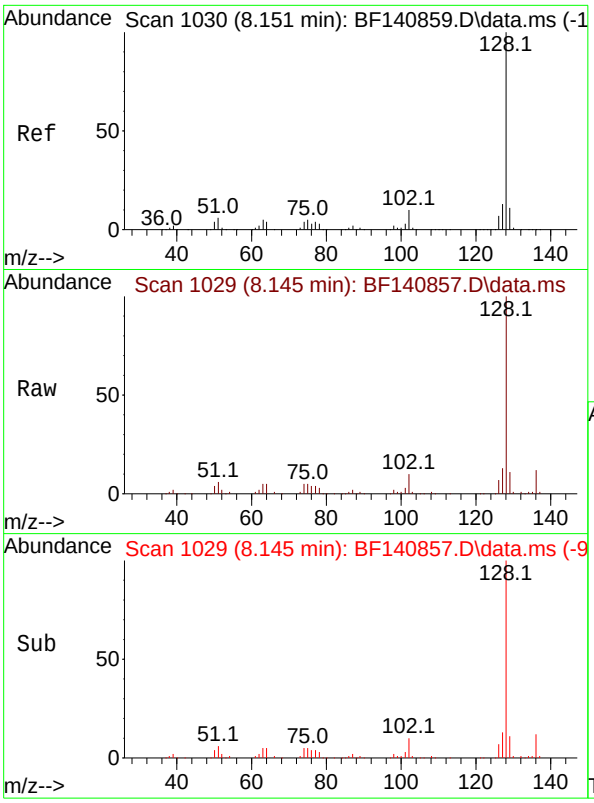




#30
1,2,4-Trichlorobenzene
Concen: 10.141 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:180 Resp: 52790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 75.8 | 113.6 |
| 145 | 32.4 | 25.2 | 37.8 |



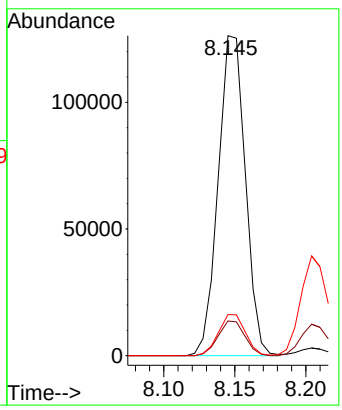


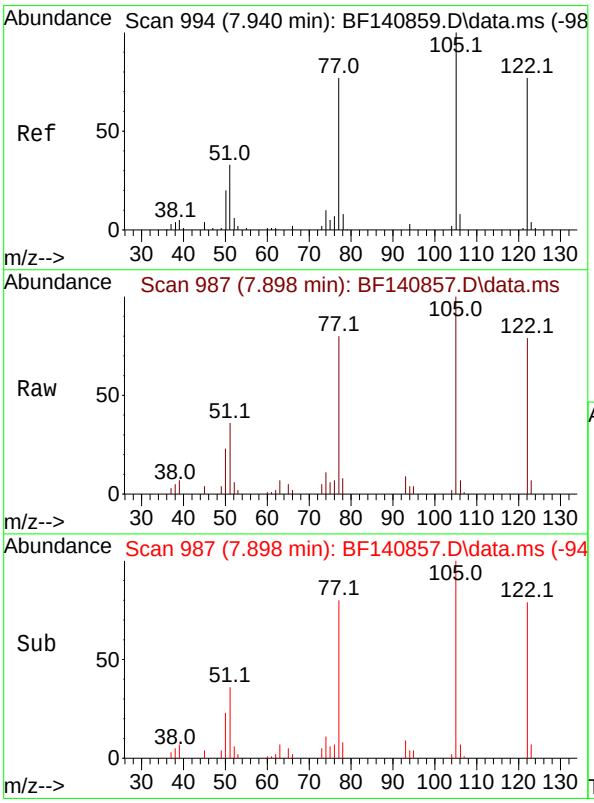

#31
Naphthalene
Concen: 10.241 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:128 Resp: 168002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 12.8 | 10.6 | 16.0 |

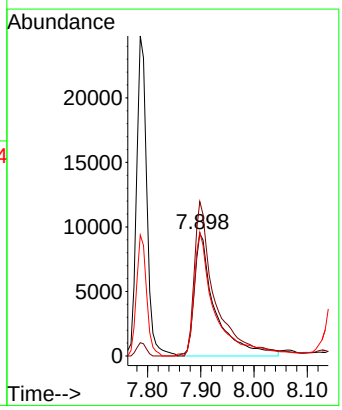


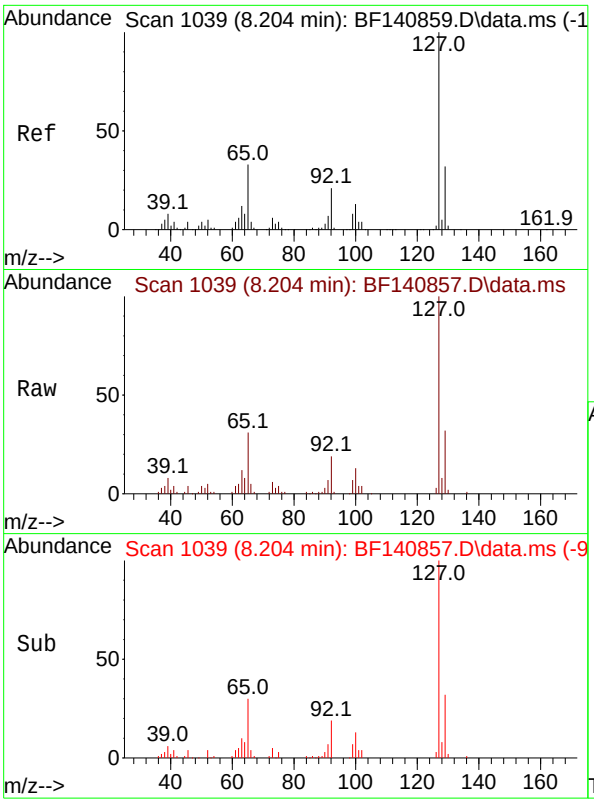




#32
Benzoic acid
Concen: 8.261 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.042 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:122 Resp: 25770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.2 | 108.3 | 148.3 |
| 77 | 101.3 | 78.8 | 118.8 |



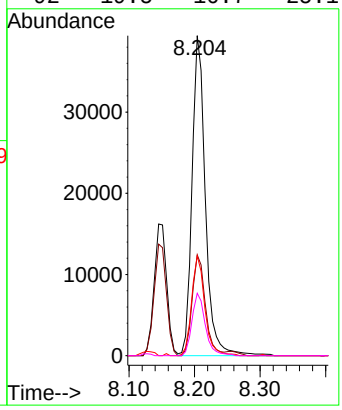


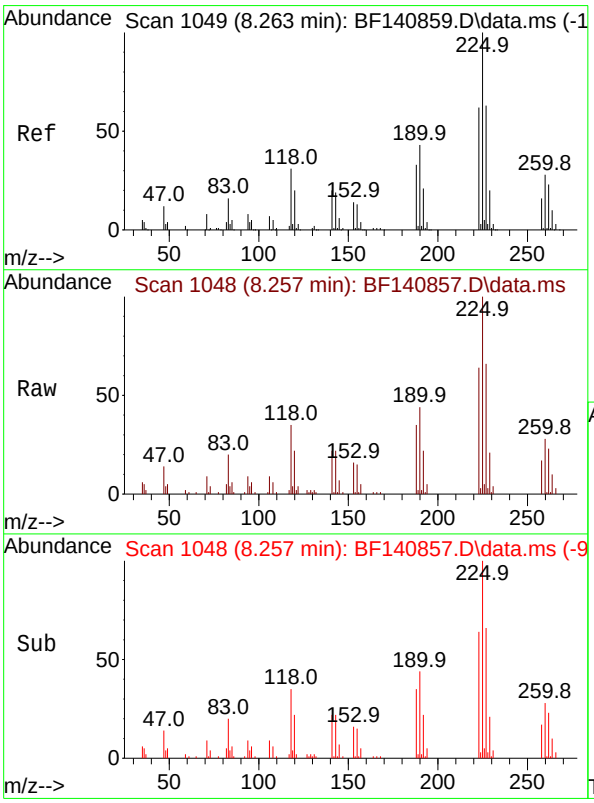

#33
4-Chloroaniline
Concen: 10.269 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:127 Resp: 55948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.5 | 26.0 | 39.0 |
| 65 | 31.2 | 26.0 | 39.0 |
| 92 | 19.5 | 16.7 | 25.1 |

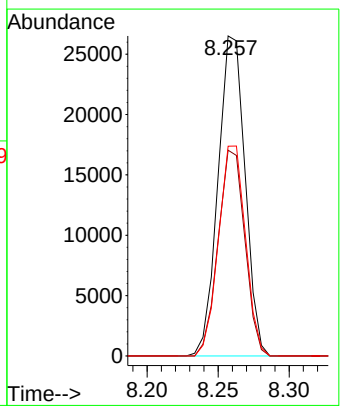


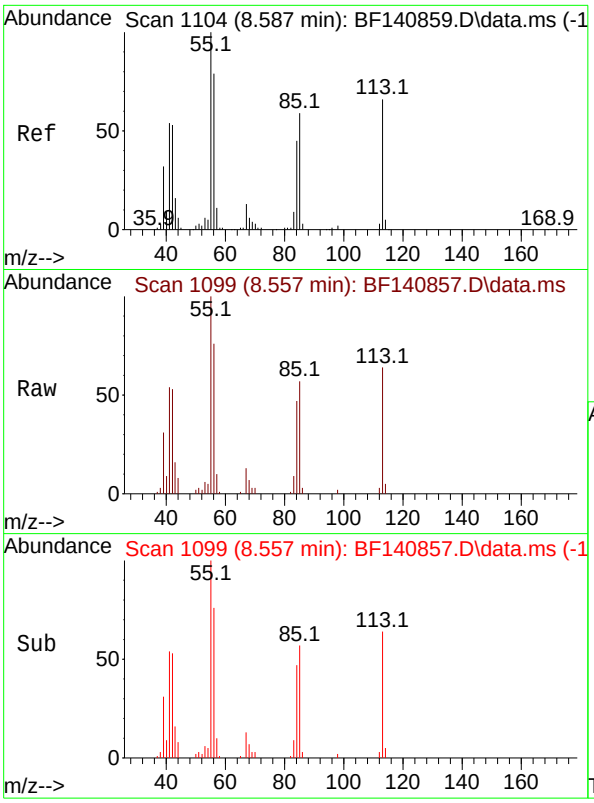




#34
Hexachlorobutadiene
Concen: 10.022 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:225 Resp: 35099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 49.6 | 74.4 |
| 227 | 65.5 | 50.7 | 76.1 |



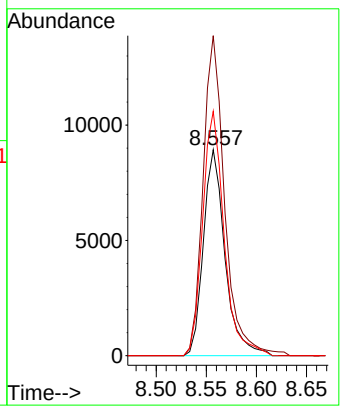


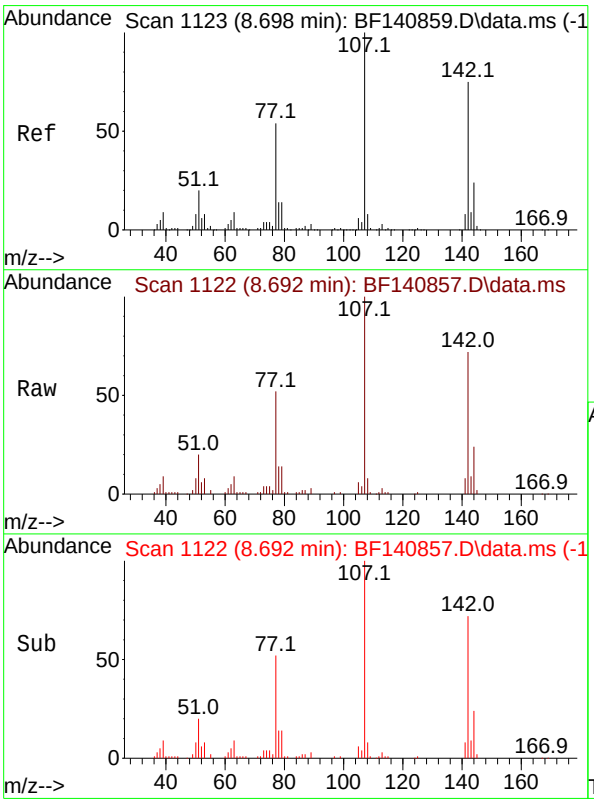

#35
Caprolactam
Concen: 9.925 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:113 Resp: 13417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 155.4 | 132.3 | 172.3 |
| 56 | 118.6 | 100.3 | 140.3 |

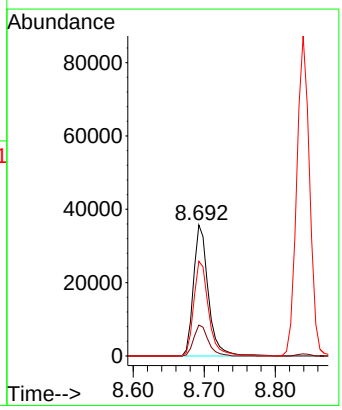


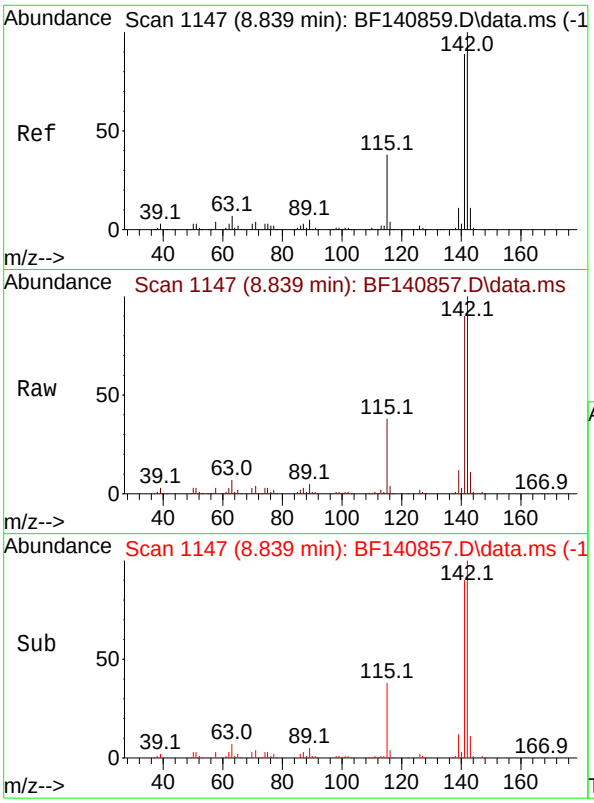




#36
4-Chloro-3-methylphenol
Concen: 10.150 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 51876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.6 | 19.4 | 29.2 |
| 142 | 72.3 | 60.3 | 90.5 |



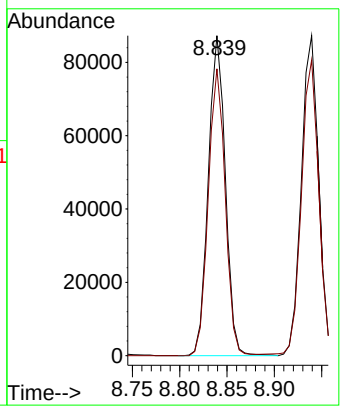


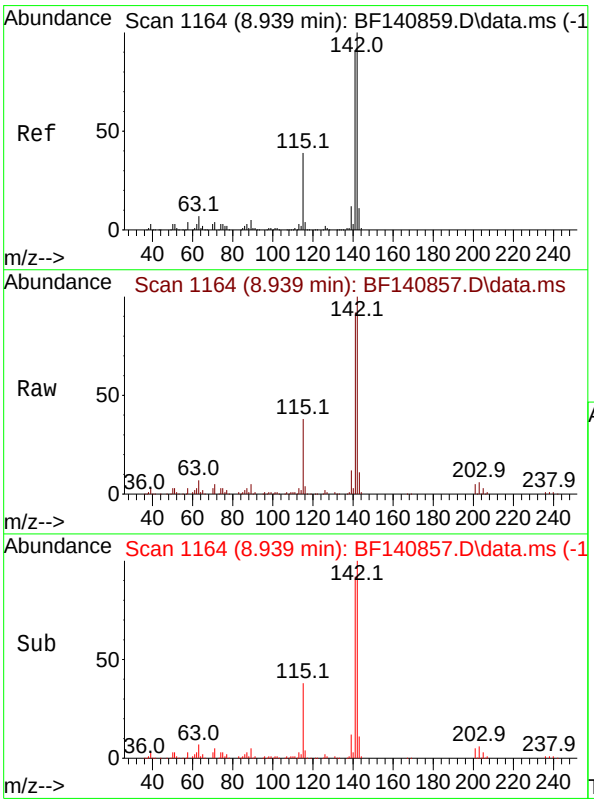

#37
2-Methylnaphthalene
Concen: 10.093 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:142 Resp: 109525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.0 | 106.6 |

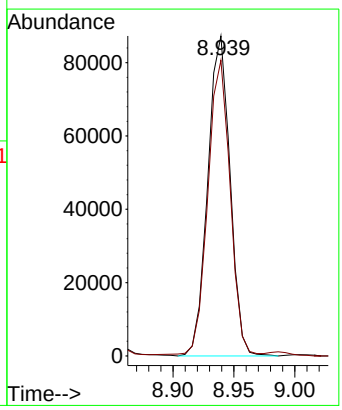


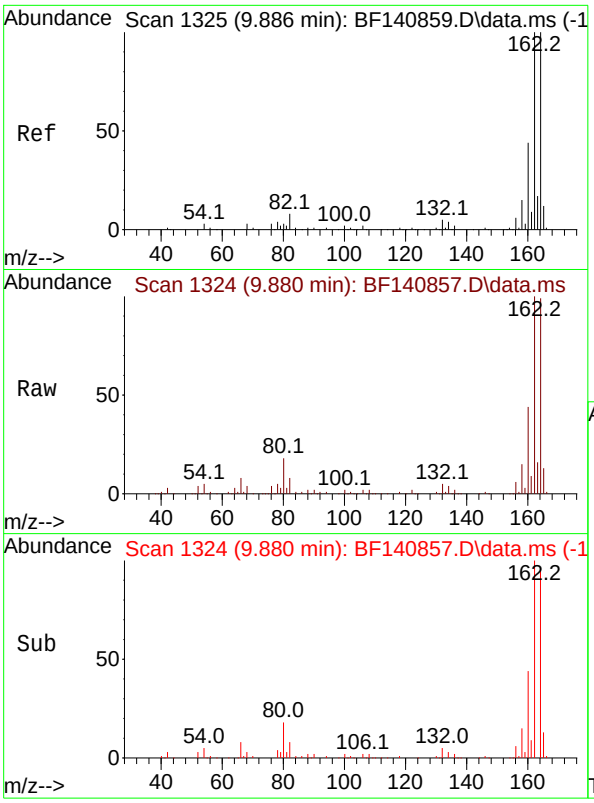




#38
1-Methylnaphthalene
Concen: 10.335 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:142 Resp: 110917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 73.4 | 110.0 |



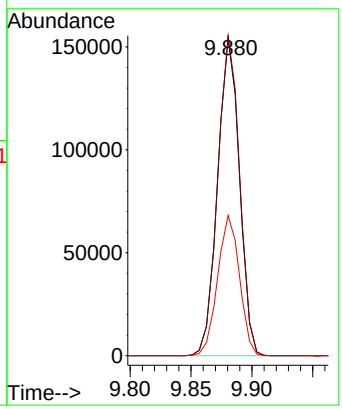


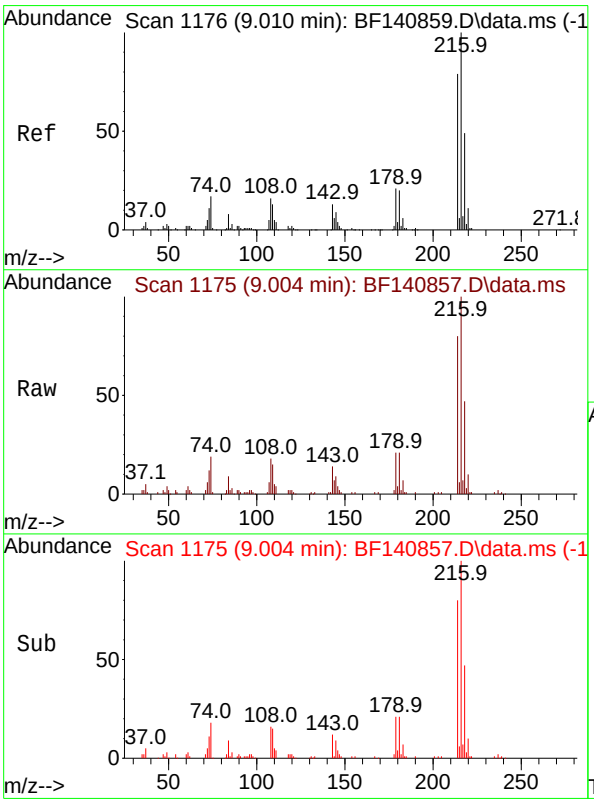

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:164 Resp: 192062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 79.9 | 119.9 |
| 160 | 44.2 | 35.2 | 52.8 |

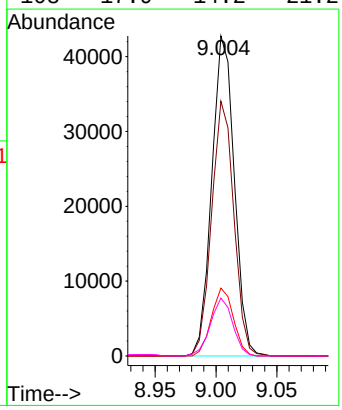


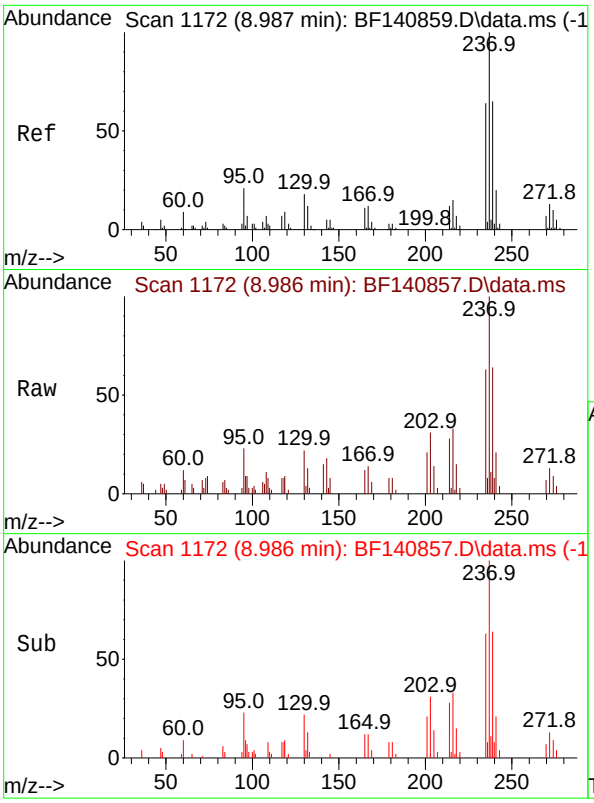




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.320 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:216 Resp: 55018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 63.6 | 95.4 |
| 179 | 20.7 | 17.0 | 25.4 |
| 108 | 17.9 | 14.2 | 21.2 |



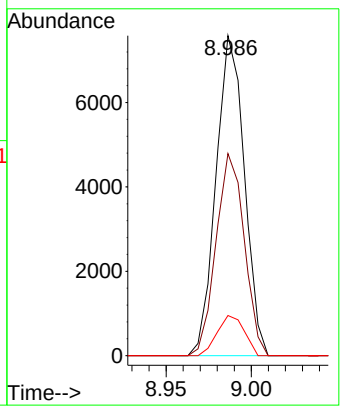


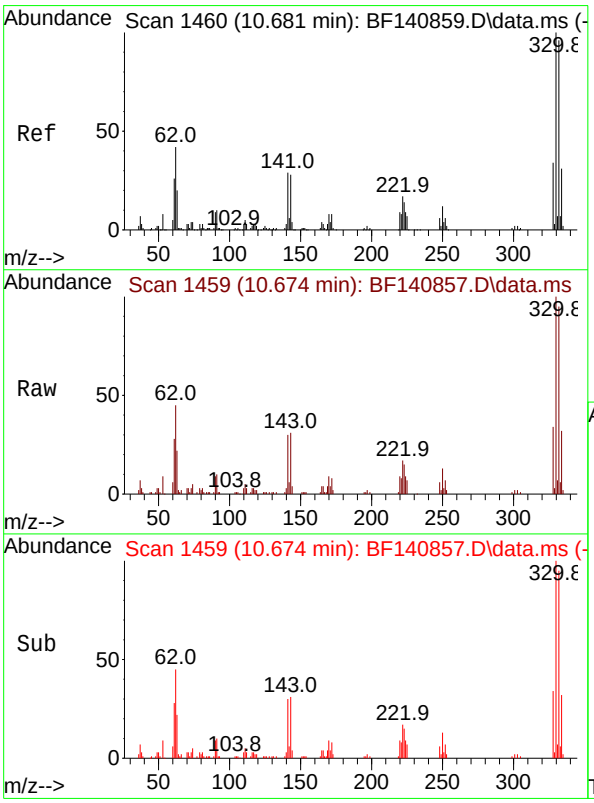

#41
Hexachlorocyclopentadiene
Concen: 8.866 ng
RT: 8.986 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:237 Resp: 8781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.7 | 83.7 |
| 272 | 12.5 | 0.0 | 32.9 |

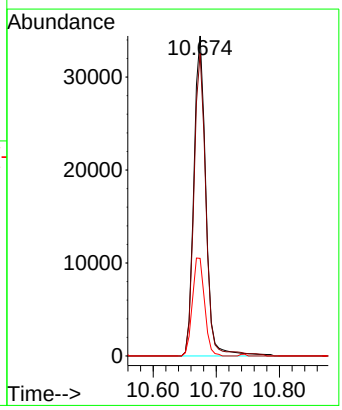


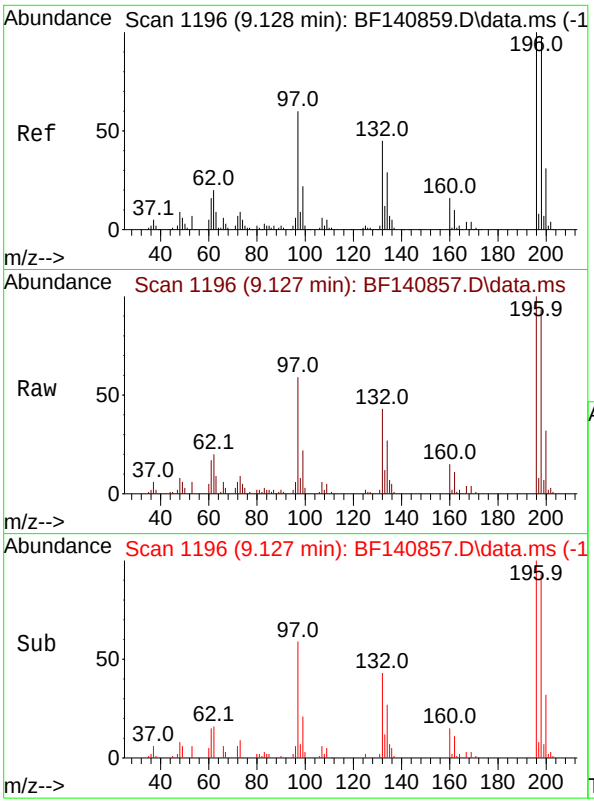




#42
2,4,6-Tribromophenol
Concen: 19.954 ng
RT: 10.674 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:330 Resp: 45327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.6 | 76.2 | 114.4 |
| 141 | 31.1 | 24.9 | 37.3 |



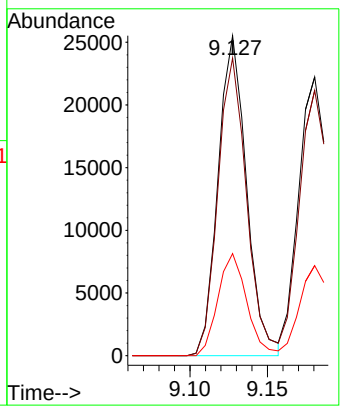


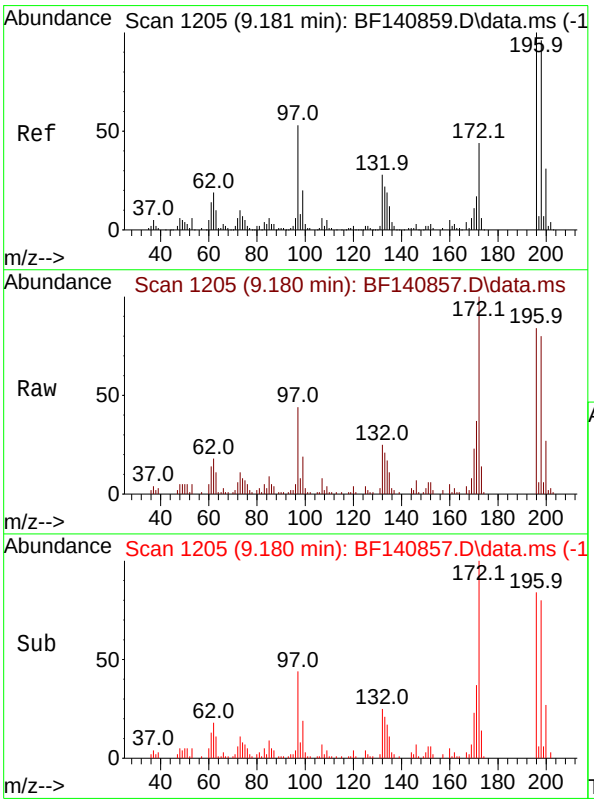

#43
2,4,6-Trichlorophenol
Concen: 9.006 ng
RT: 9.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:196 Resp: 32555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.0 | 77.4 | 116.0 |
| 200 | 31.9 | 24.5 | 36.7 |

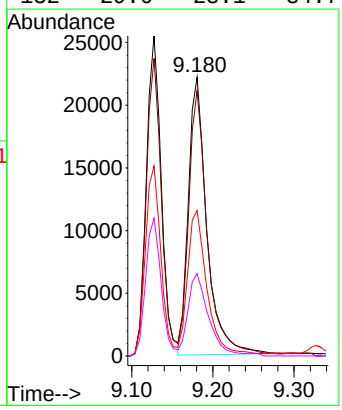


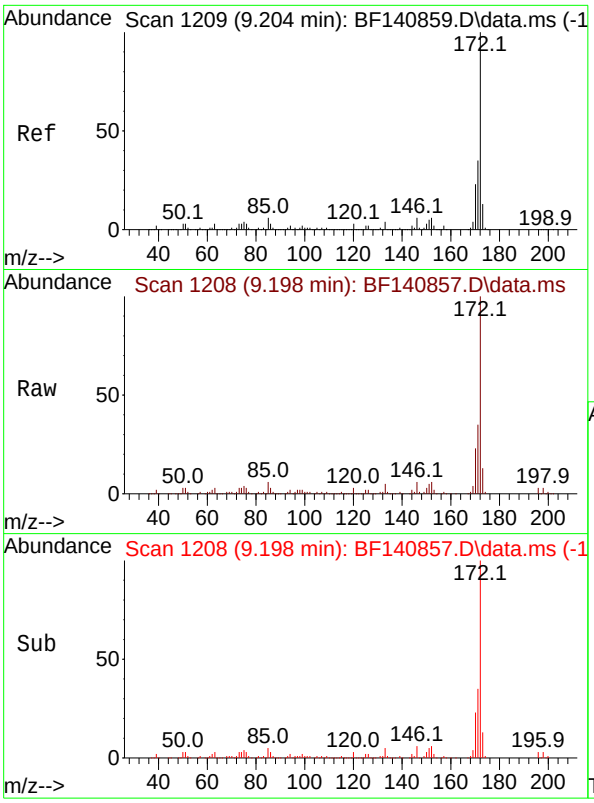




#44
2,4,5-Trichlorophenol
Concen: 8.817 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:196 Resp: 35030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 52.2 | 42.2 | 63.4 |
| 132 | 29.6 | 23.1 | 34.7 |



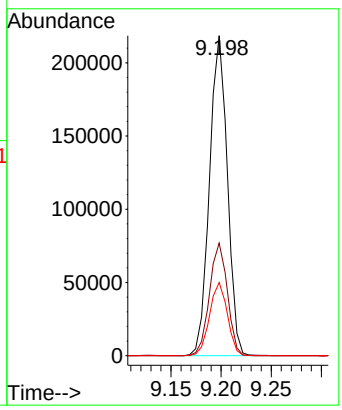


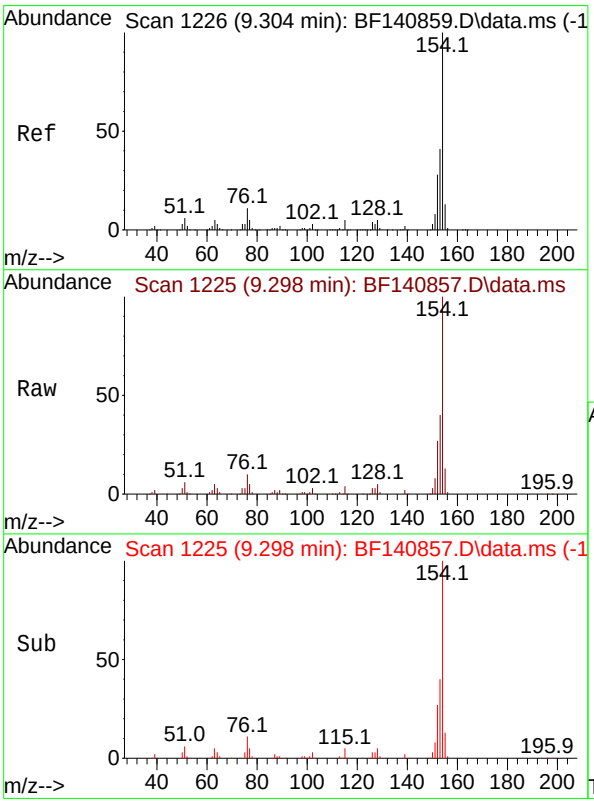

#45
2-Fluorobiphenyl
Concen: 19.381 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:172 Resp: 270749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 22.8 | 18.6 | 28.0 |

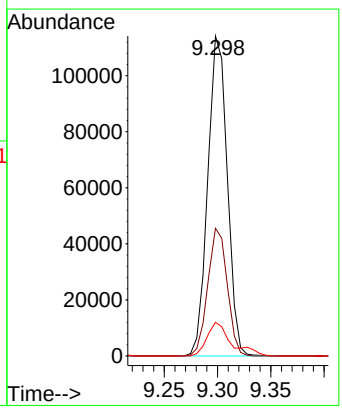


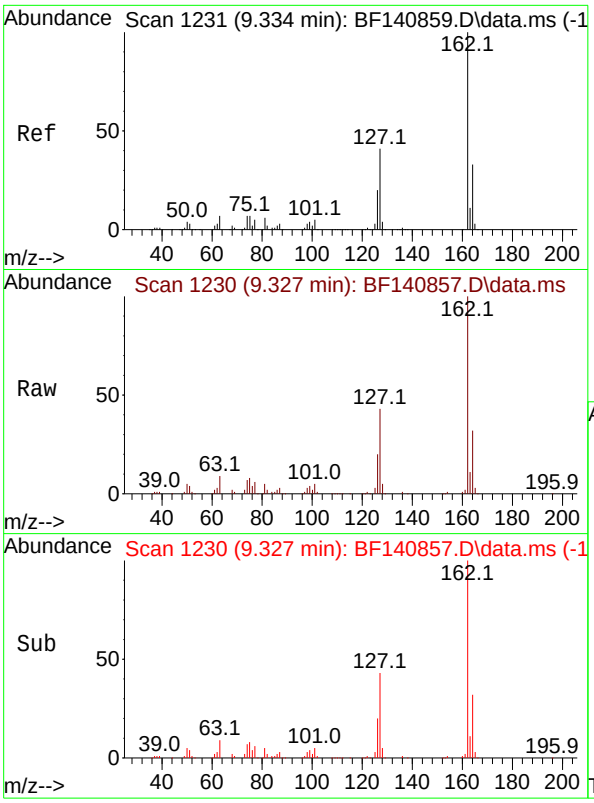




#46
1,1'-Biphenyl
Concen: 9.509 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:154 Resp: 145227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.8 | 60.8 |
| 76 | 10.5 | 0.0 | 31.0 |



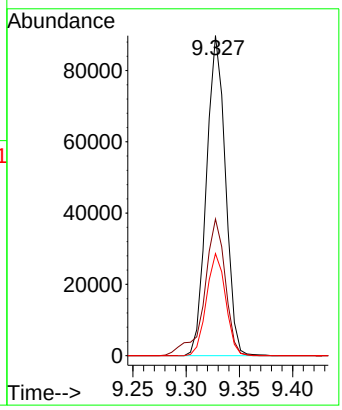


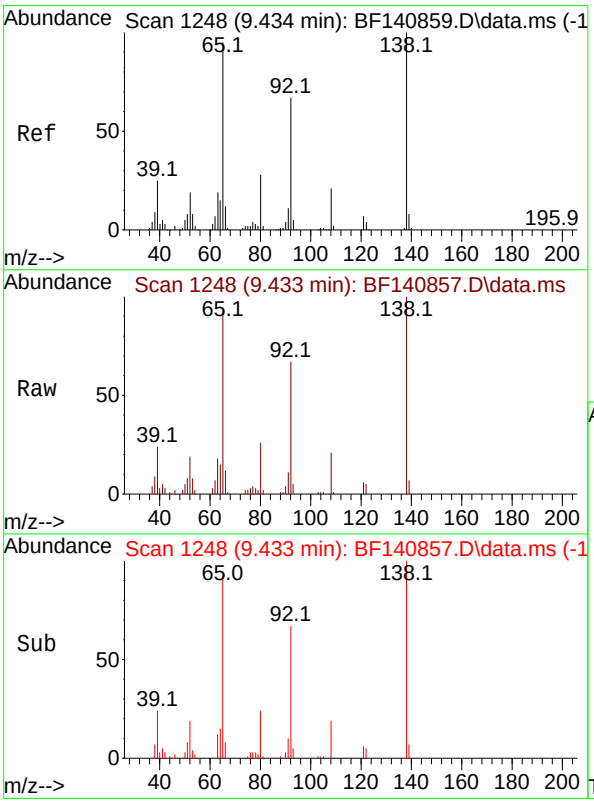

#47
2-Chloronaphthalene
Concen: 9.507 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:162 Resp: 111077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 33.5 | 50.3 |
| 164 | 31.9 | 26.2 | 39.2 |

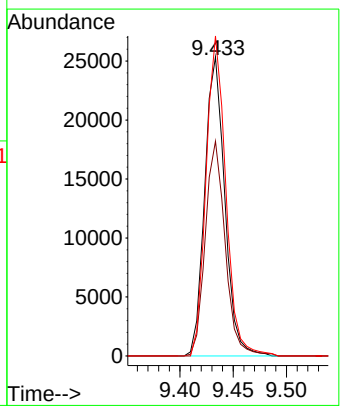


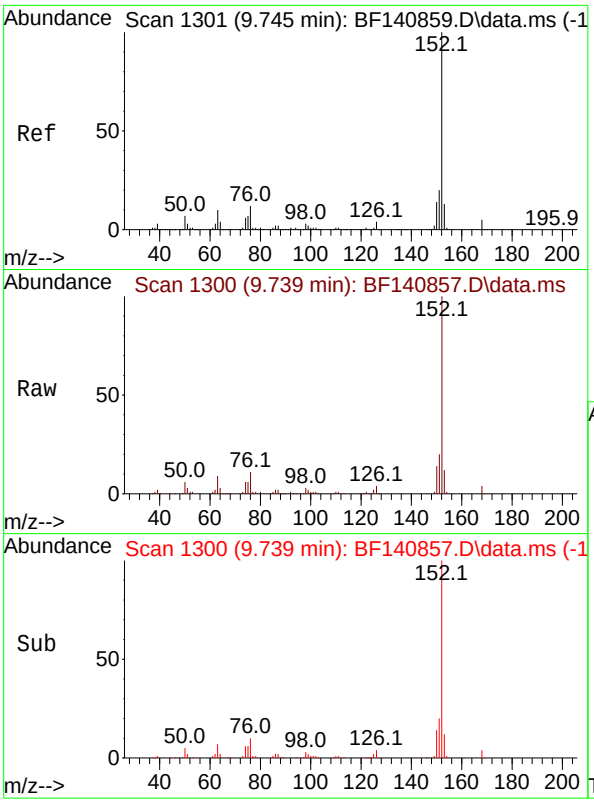




#48
2-Nitroaniline
Concen: 9.416 ng
RT: 9.433 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 65 Resp: 33225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.8 | 56.3 | 84.5 |
| 138 | 107.0 | 83.8 | 125.6 |



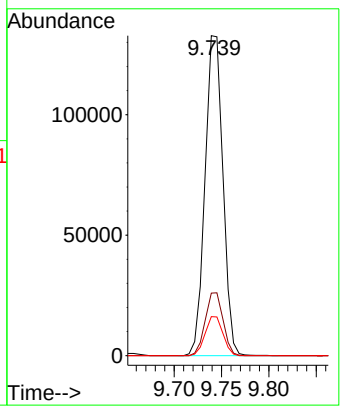


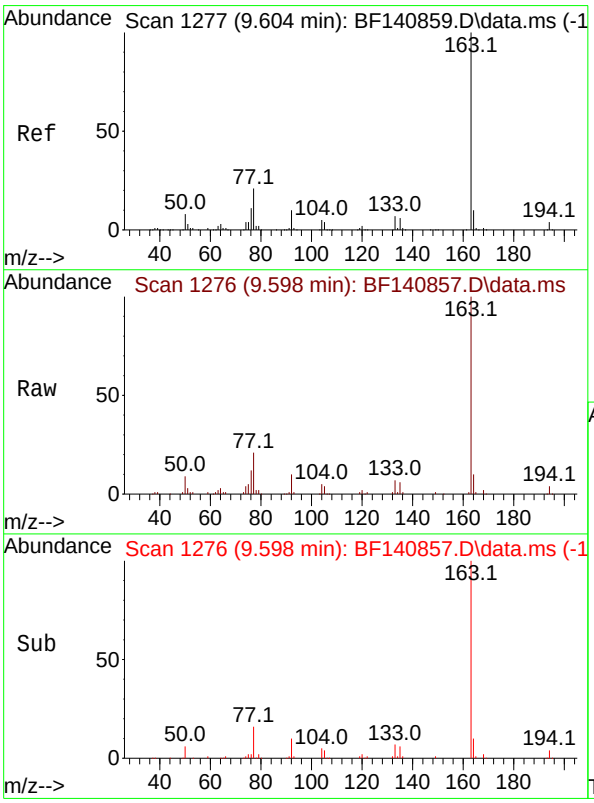

#49
Acenaphthylene
Concen: 10.187 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:152 Resp: 174905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.0 | 24.0 |
| 153 | 12.2 | 10.6 | 16.0 |

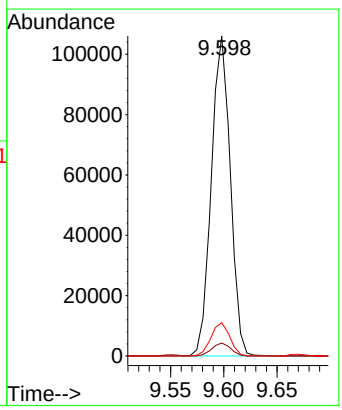


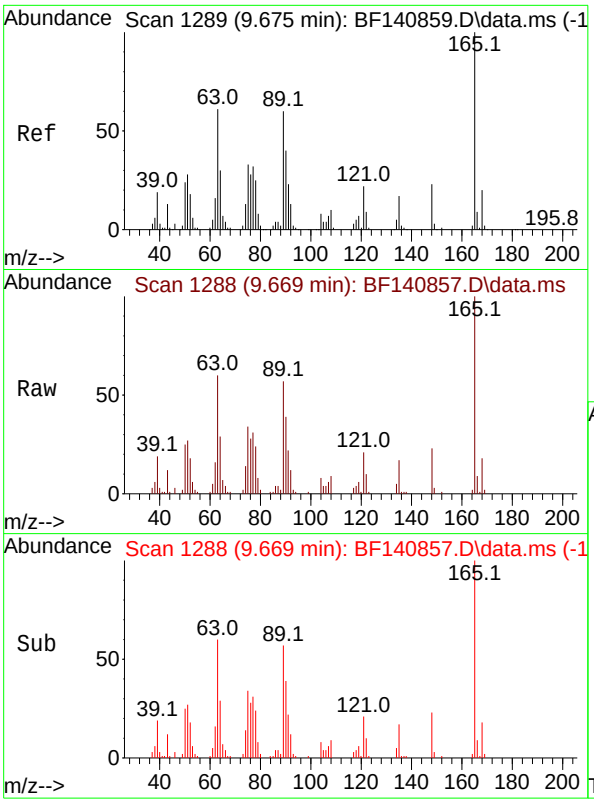




#50
Dimethylphthalate
Concen: 9.693 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:163 Resp: 131257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.4 | 8.1 | 12.1 |



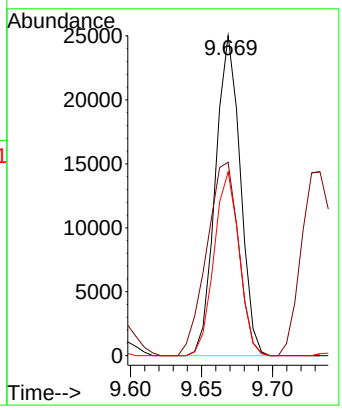


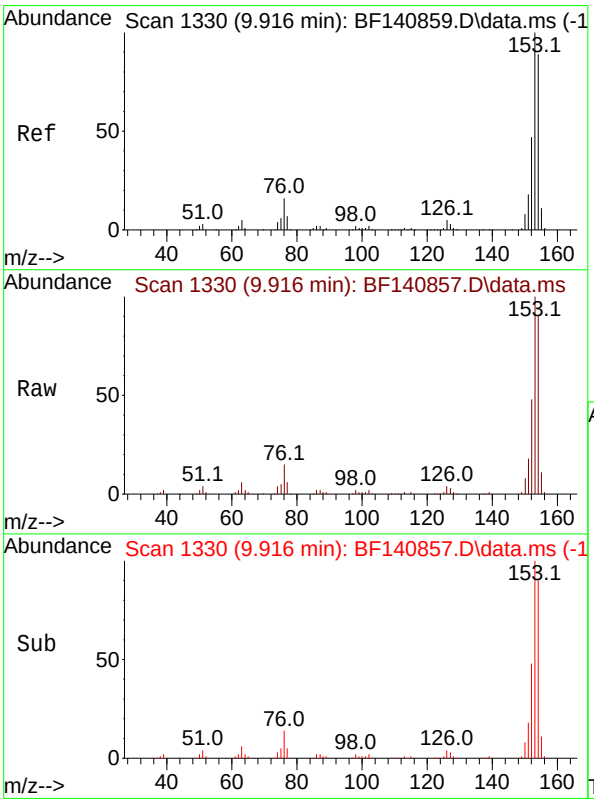

#51
2,6-Dinitrotoluene
Concen: 9.831 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:165 Resp: 30431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.5 | 49.7 | 74.5 |
| 89 | 57.4 | 48.2 | 72.4 |

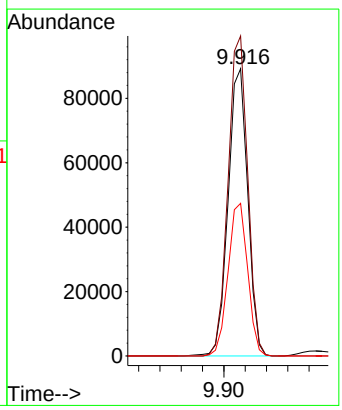


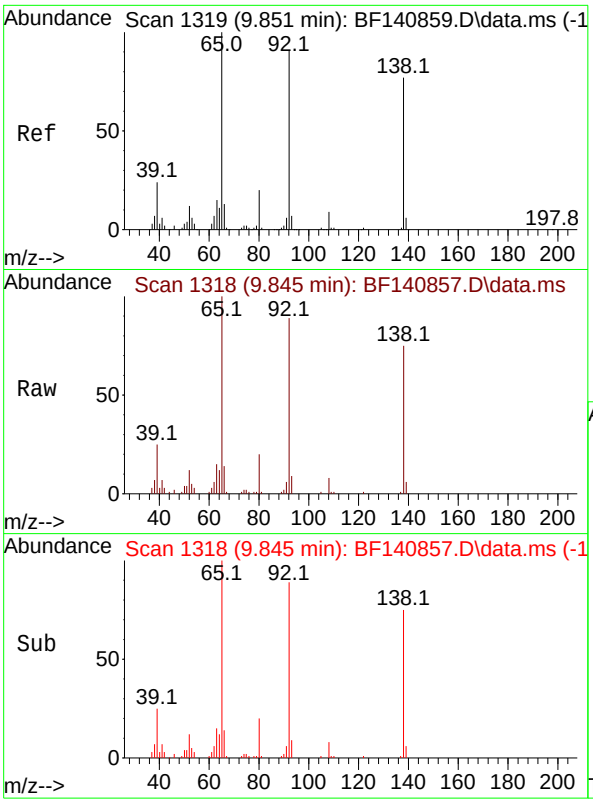




#52
Acenaphthene
Concen: 10.419 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:154 Resp: 114273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.4 | 89.9 | 134.9 |
| 152 | 53.1 | 42.6 | 63.8 |



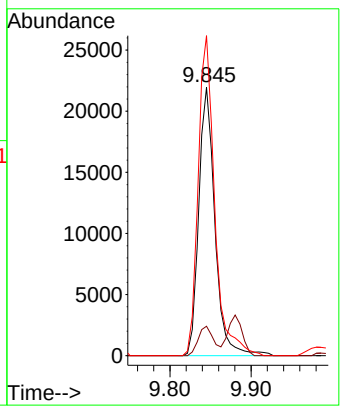


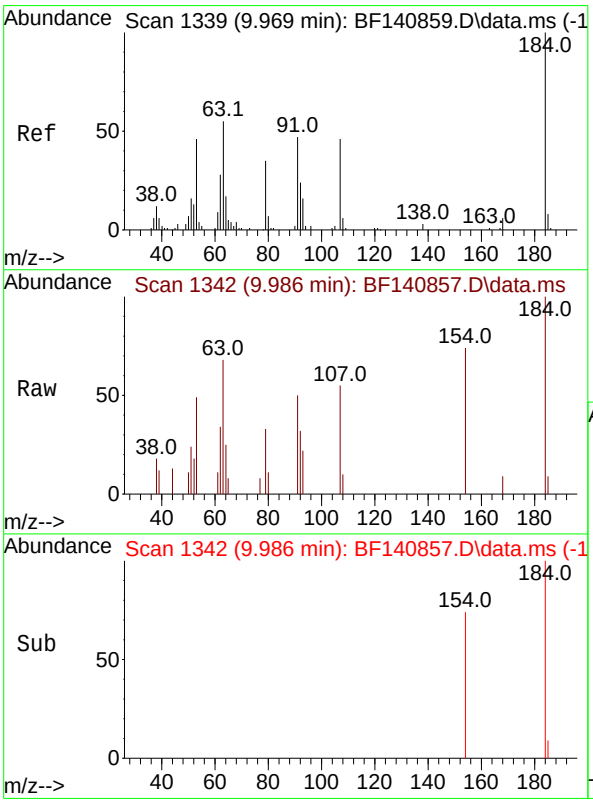

#53
3-Nitroaniline
Concen: 9.885 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:138 Resp: 30367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 9.0 | 13.4 |
| 92 | 119.2 | 95.5 | 143.3 |

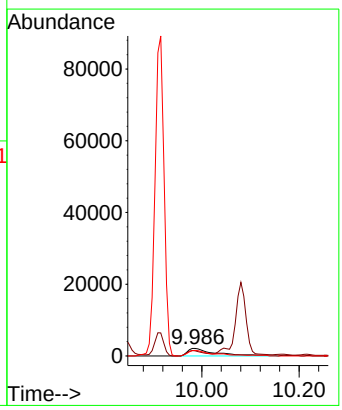


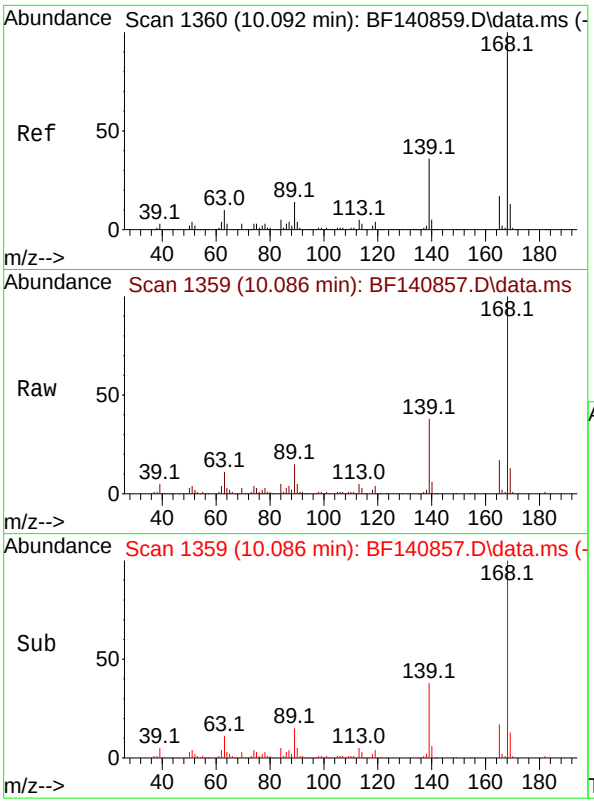




#54
2,4-Dinitrophenol
Concen: 11.701 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.017 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:184 Resp: 8488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.8 | 51.6 | 77.4 |
| 154 | 74.2 | 56.1 | 84.1 |



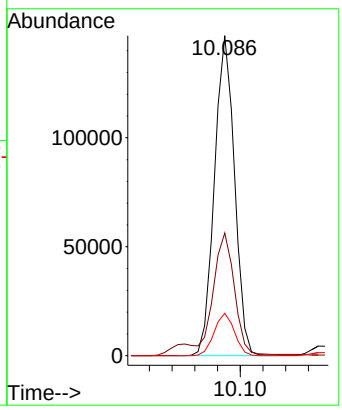


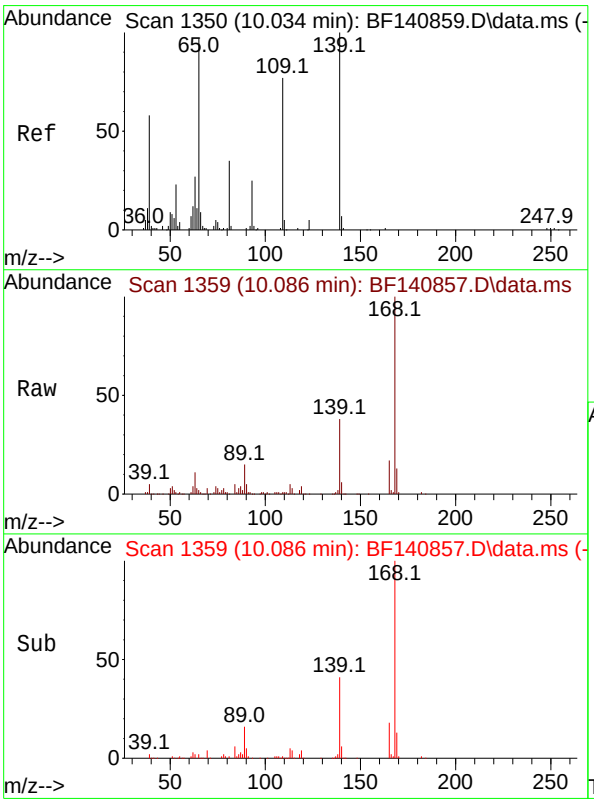

#55
Dibenzofuran
Concen: 10.598 ng
RT: 10.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:168 Resp: 180108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.3 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |

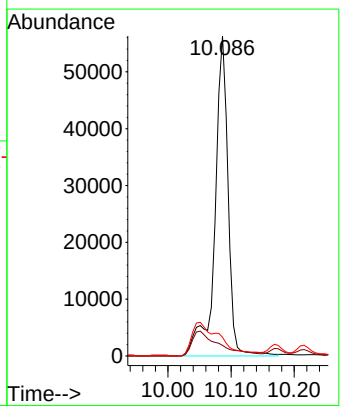


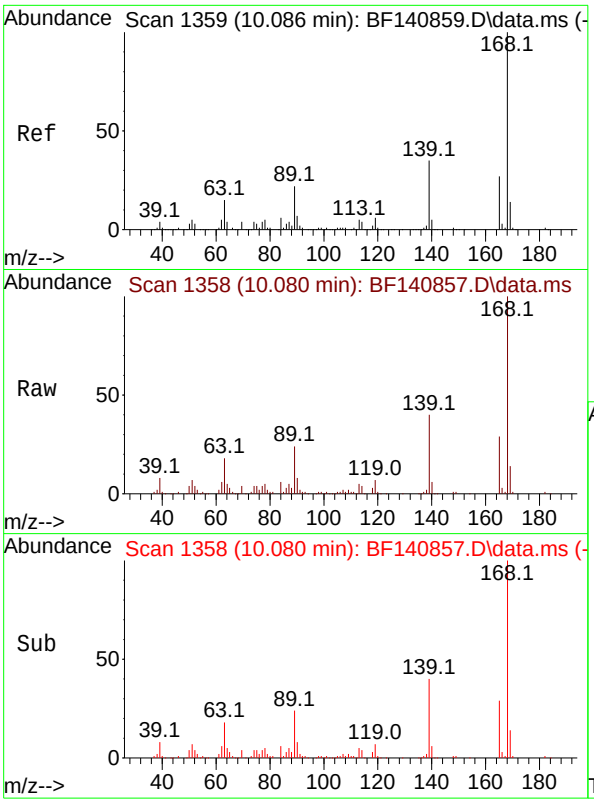




#56
4-Nitrophenol
Concen: 51.441 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.052 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:139 Resp: 82229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 3.3 | 56.7 | 96.7# |
| 65 | 5.8 | 78.1 | 118.1# |



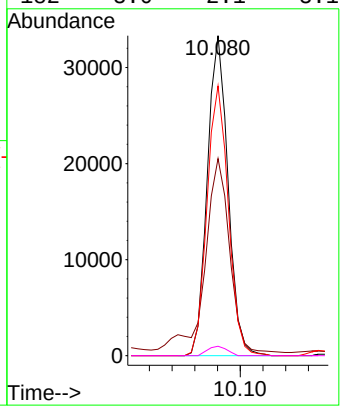


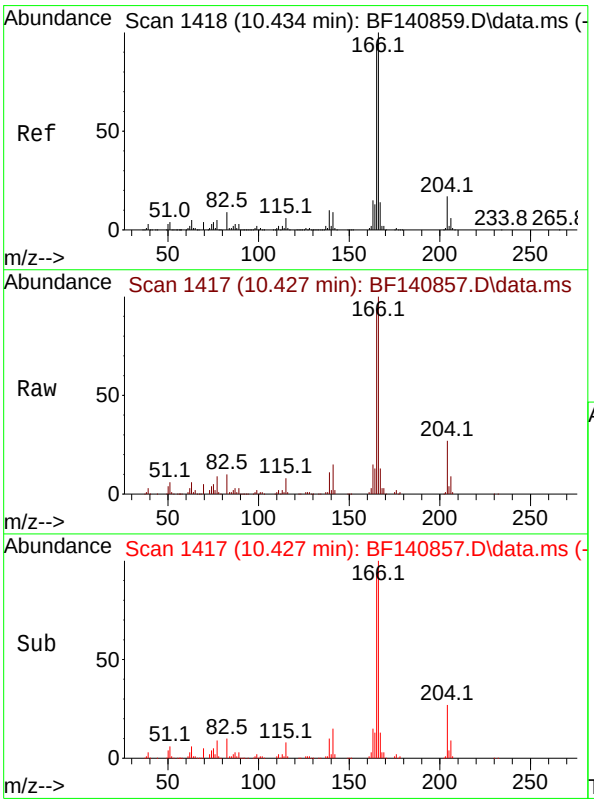

#57
2,4-Dinitrotoluene
Concen: 10.339 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:165 Resp: 42109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.6 | 49.3 | 73.9 |
| 89 | 84.3 | 66.2 | 99.4 |
| 182 | 3.0 | 2.1 | 3.1 |

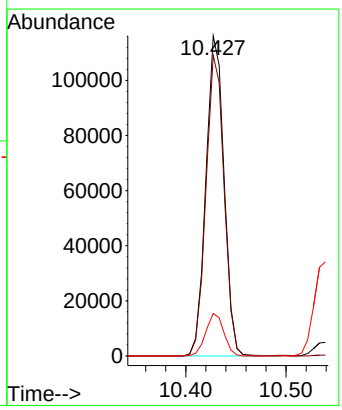


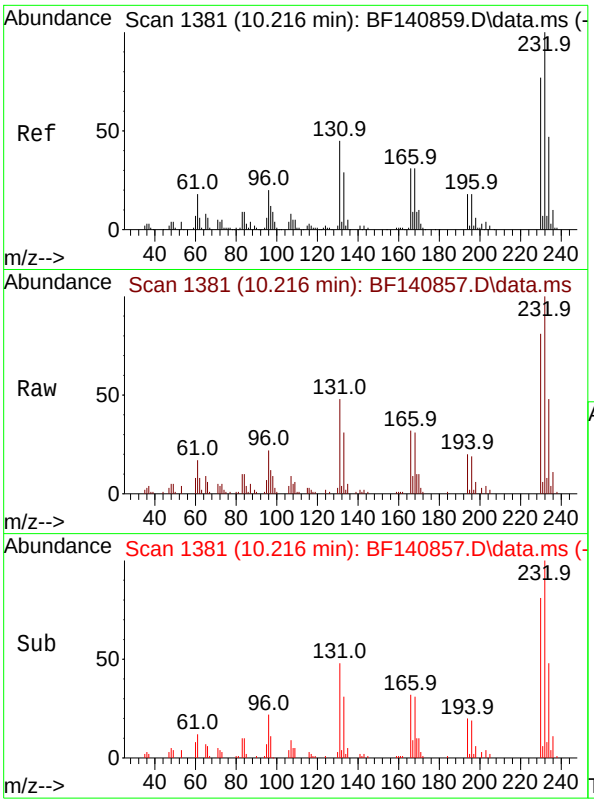




#58
Fluorene
Concen: 10.424 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:166 Resp: 146155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |



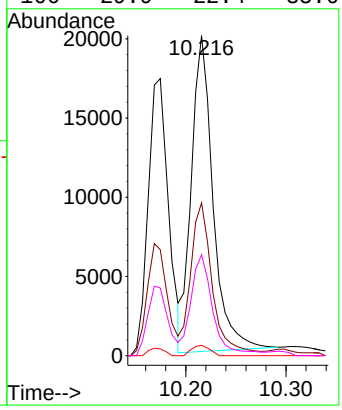


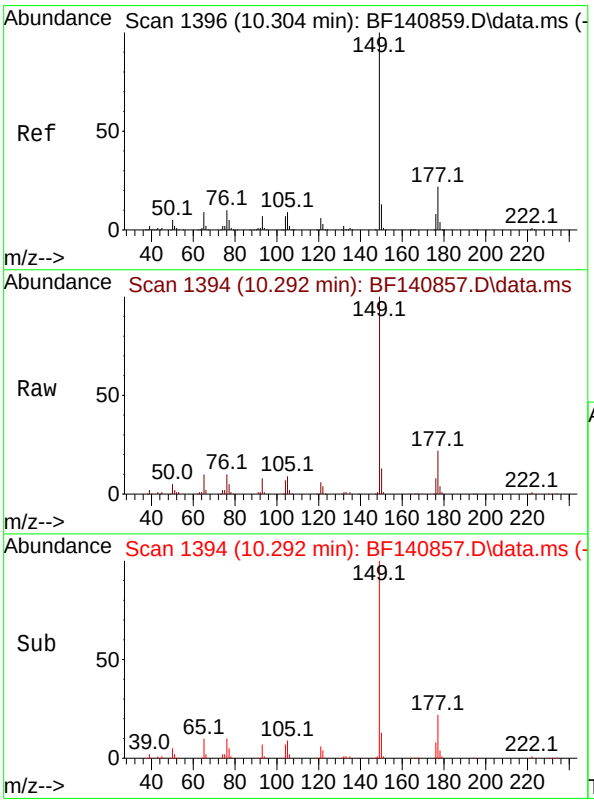

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.251 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:232 Resp: 29950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.8 | 35.1 | 52.7 |
| 130 | 2.7 | 1.8 | 2.8 |
| 166 | 29.9 | 22.4 | 33.6 |

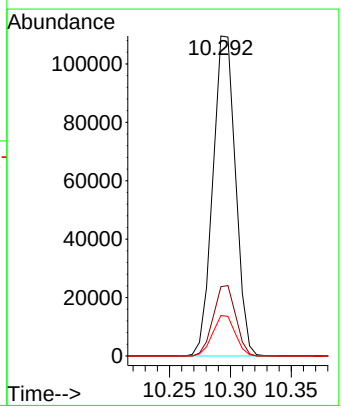


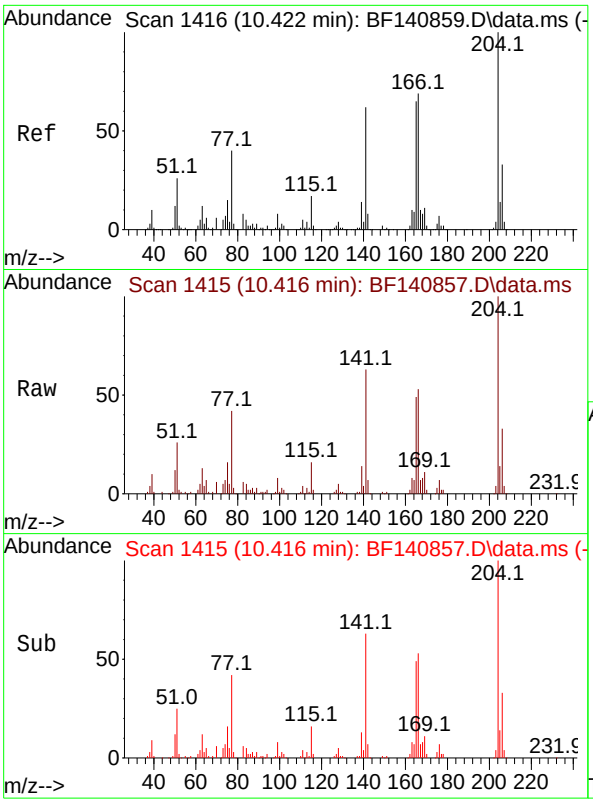




#60
Diethylphthalate
Concen: 10.147 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 142484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.7 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |



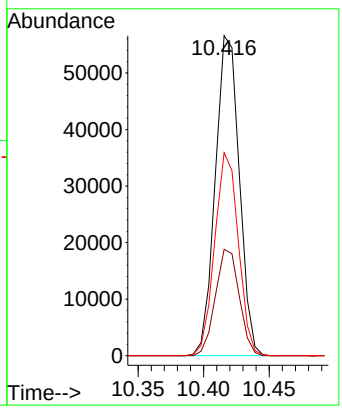


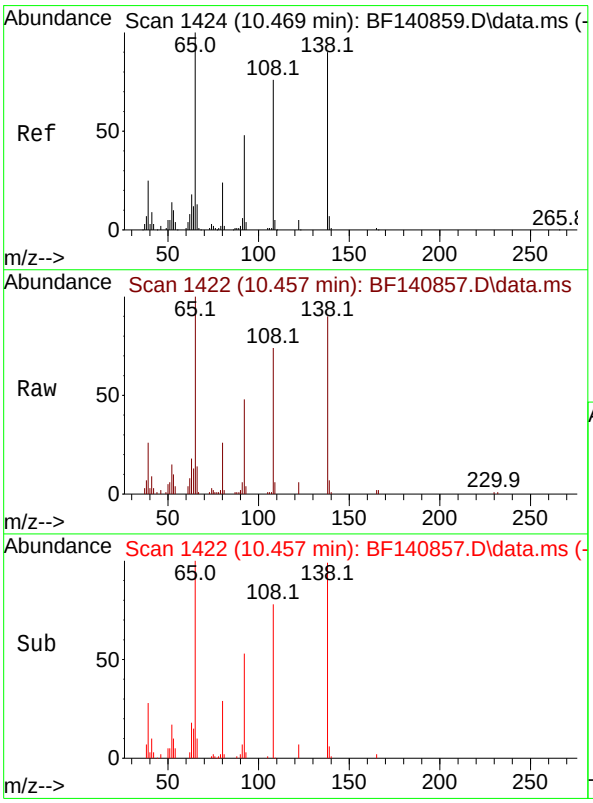

#61
4-Chlorophenyl-phenylether
Concen: 10.224 ng
RT: 10.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:204 Resp: 72010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.3 | 26.5 | 39.7 |
| 141 | 63.4 | 50.0 | 75.0 |

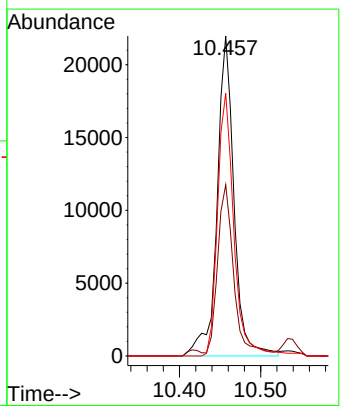


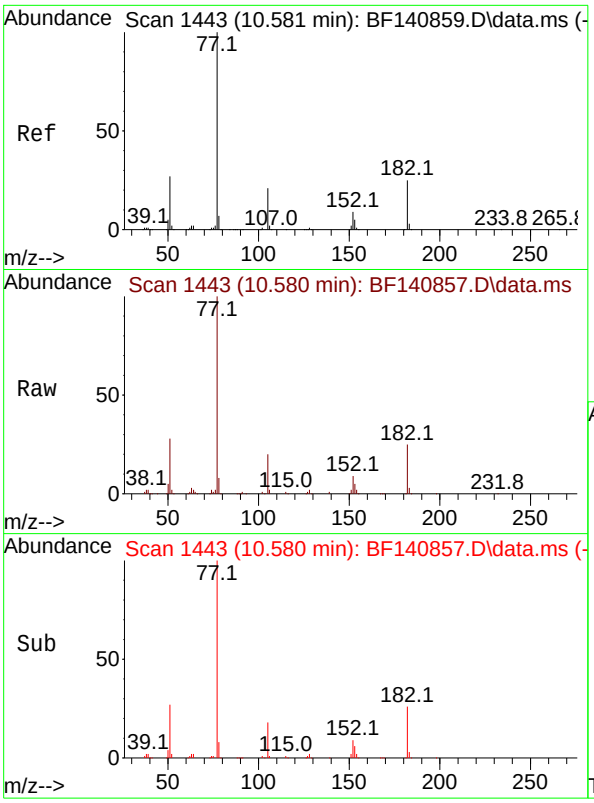




#62
4-Nitroaniline
Concen: 9.956 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:138 Resp: 31962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.5 | 32.6 | 72.6 |
| 108 | 82.1 | 64.1 | 104.1 |



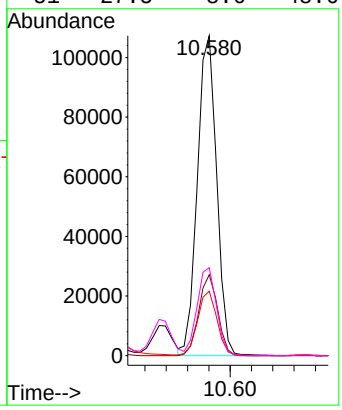


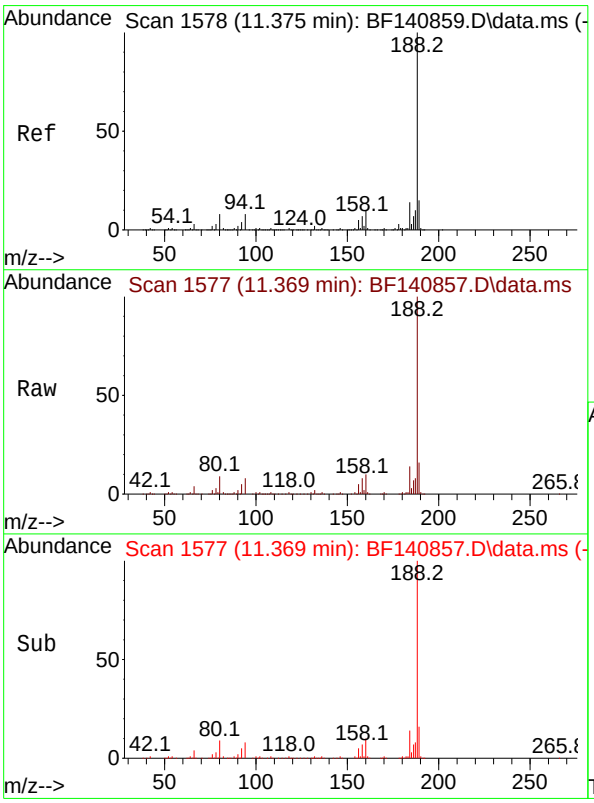

#63
Azobenzene
Concen: 10.267 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion: 77 Resp: 135524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.3 | 4.5 | 44.5 |
| 105 | 20.1 | 0.9 | 40.9 |
| 51 | 27.5 | 8.6 | 48.6 |

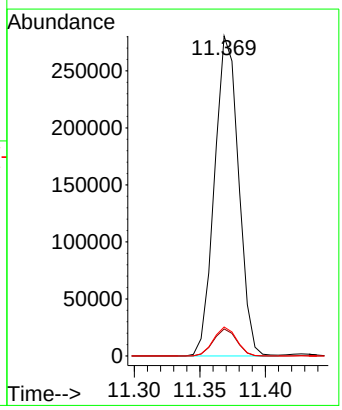


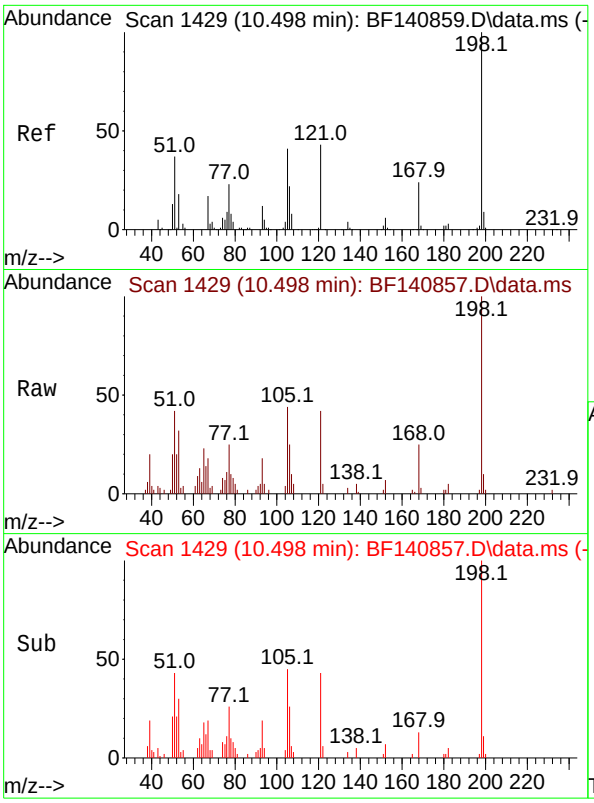




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:188 Resp: 358020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 9.1 | 6.8 | 10.2 |



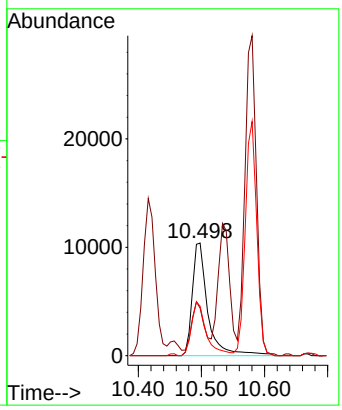


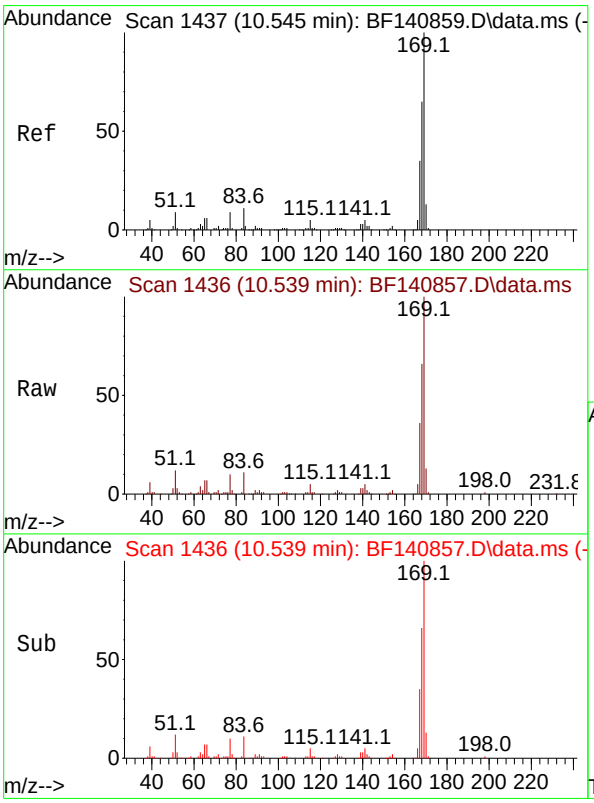

#65
4,6-Dinitro-2-methylphenol
Concen: 8.752 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:198 Resp: 17756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.2 | 24.4 | 64.4 |
| 105 | 43.9 | 22.1 | 62.1 |

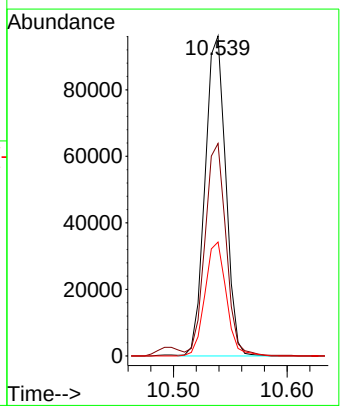


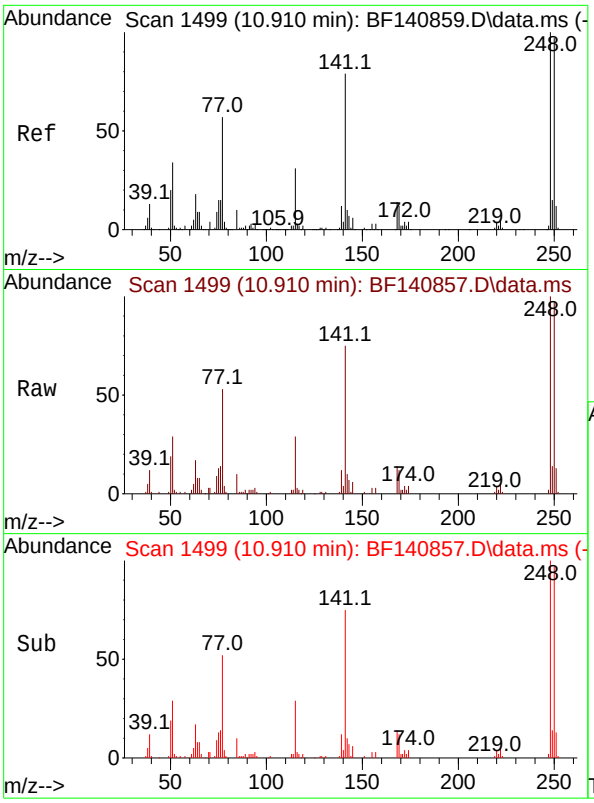




#66
n-Nitrosodiphenylamine
Concen: 11.038 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:169 Resp: 121500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 53.4 | 80.0 |
| 167 | 35.6 | 28.3 | 42.5 |



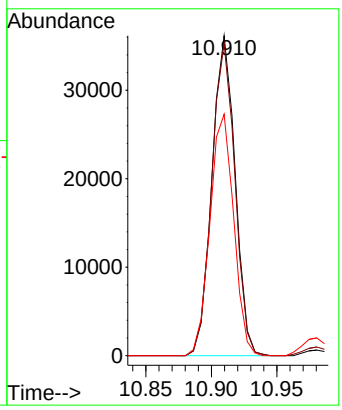


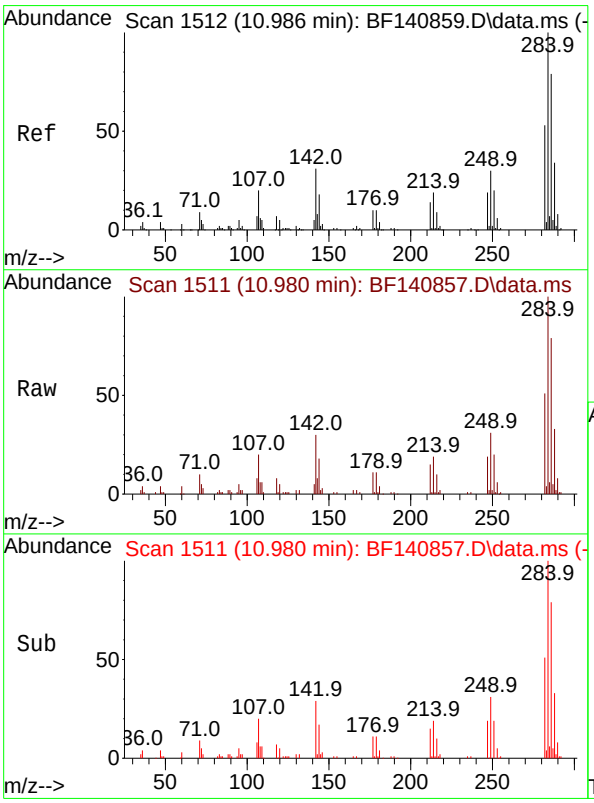

#67
4-Bromophenyl-phenylether
Concen: 11.082 ng
RT: 10.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:248 Resp: 44385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.4 | 116.2 |
| 141 | 75.5 | 62.9 | 94.3 |

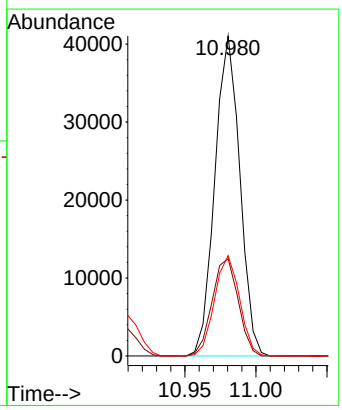


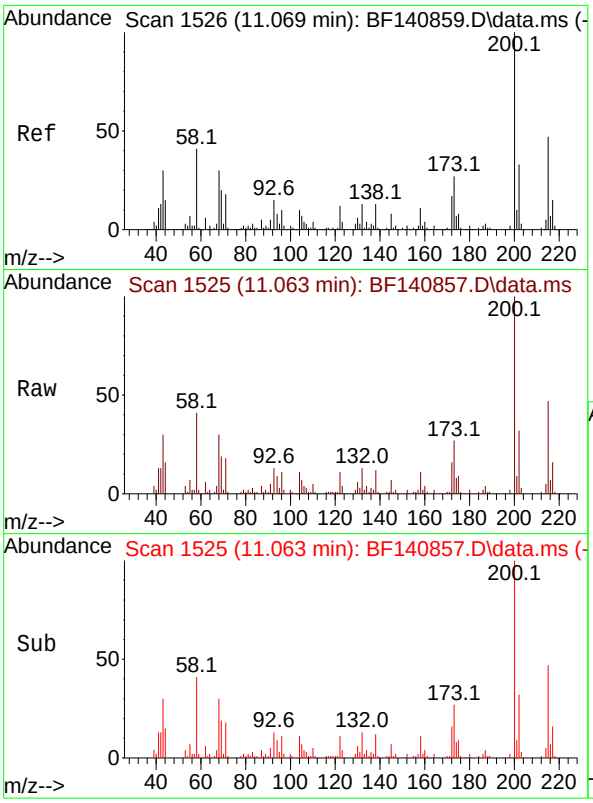




#68
Hexachlorobenzene
Concen: 11.040 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:284 Resp: 50135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.4 | 24.6 | 36.8 |
| 249 | 31.3 | 24.3 | 36.5 |



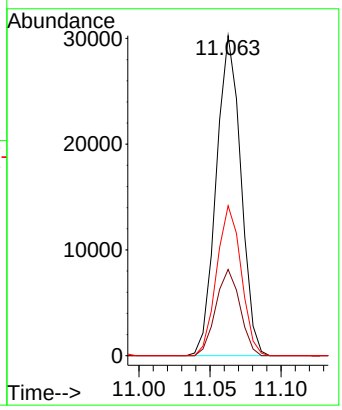


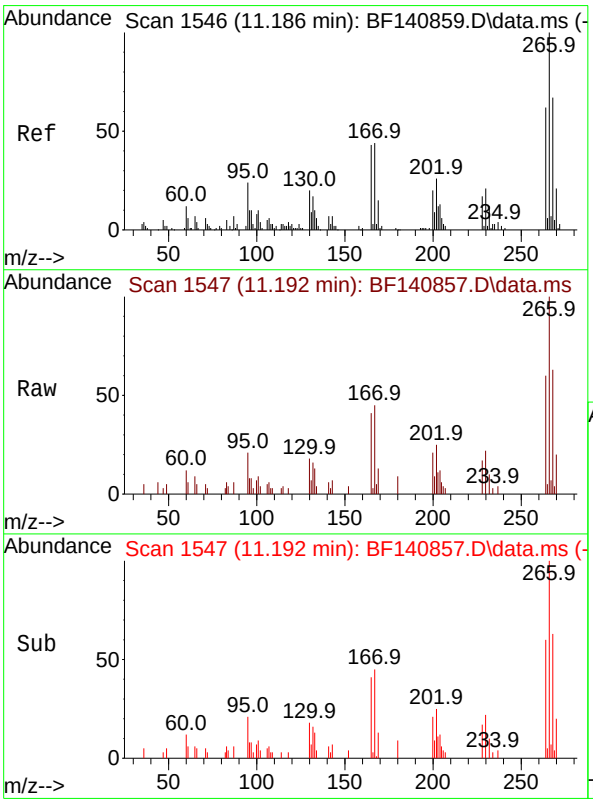

#69
Atrazine
Concen: 11.864 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:200 Resp: 36472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 6.6 | 46.6 |
| 215 | 46.8 | 26.7 | 66.7 |

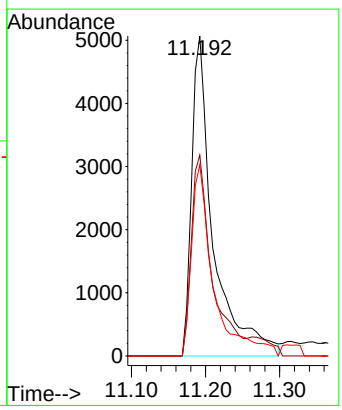


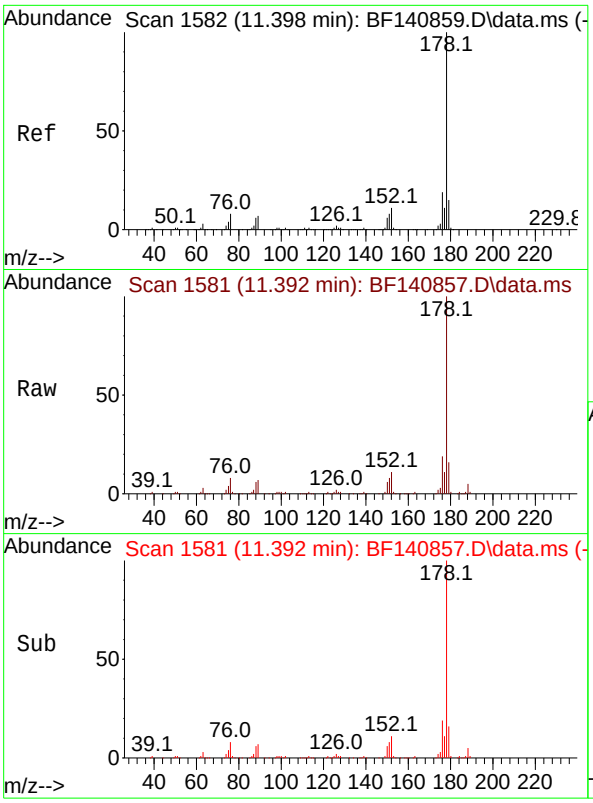




#70
Pentachlorophenol
Concen: 6.158 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:266 Resp: 10230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.8 | 54.0 | 81.0 |
| 264 | 59.7 | 49.4 | 74.2 |



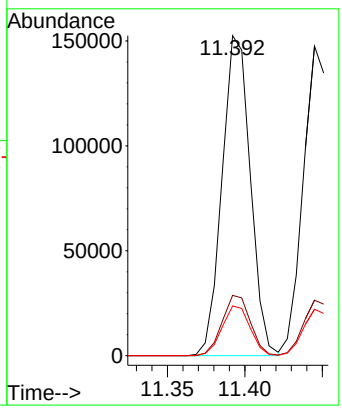


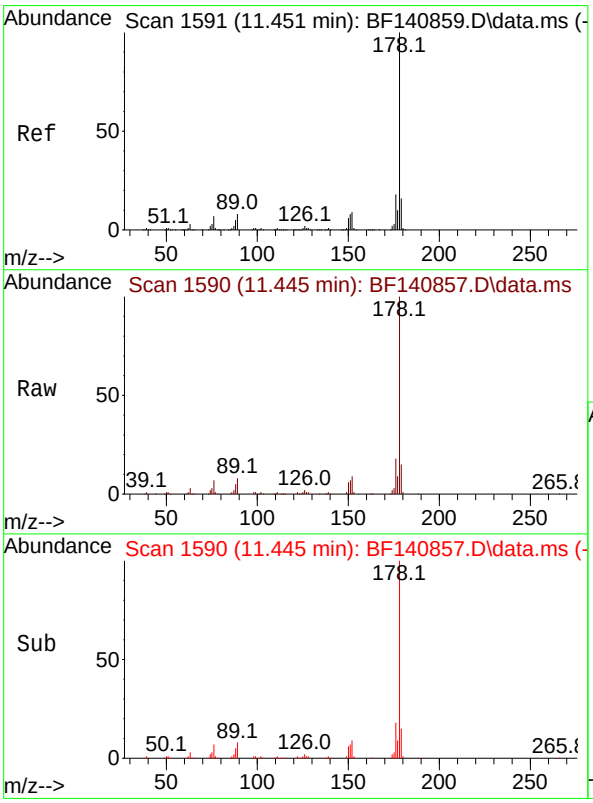

#71
Phenanthrene
Concen: 10.510 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:178 Resp: 193504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.6 | 12.1 | 18.1 |

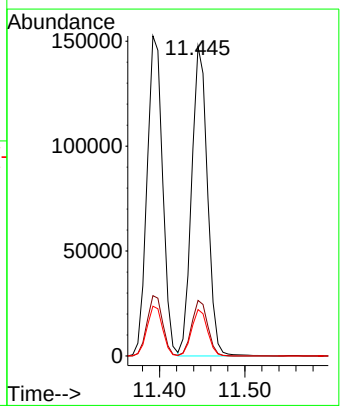


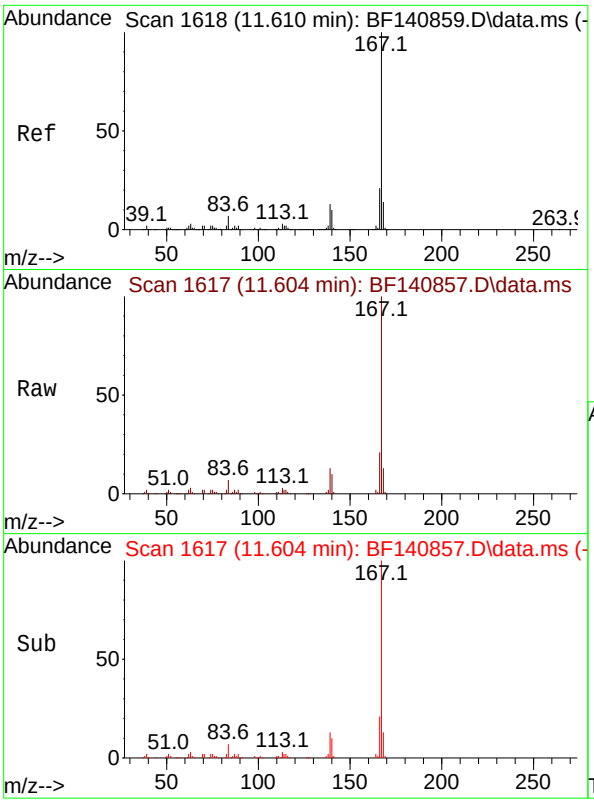




#72
Anthracene
Concen: 10.502 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:178 Resp: 190407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 14.6 | 22.0 |
| 179 | 15.0 | 12.6 | 18.8 |



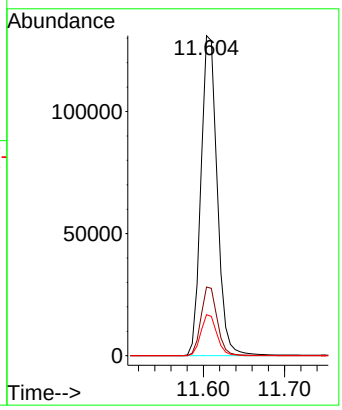


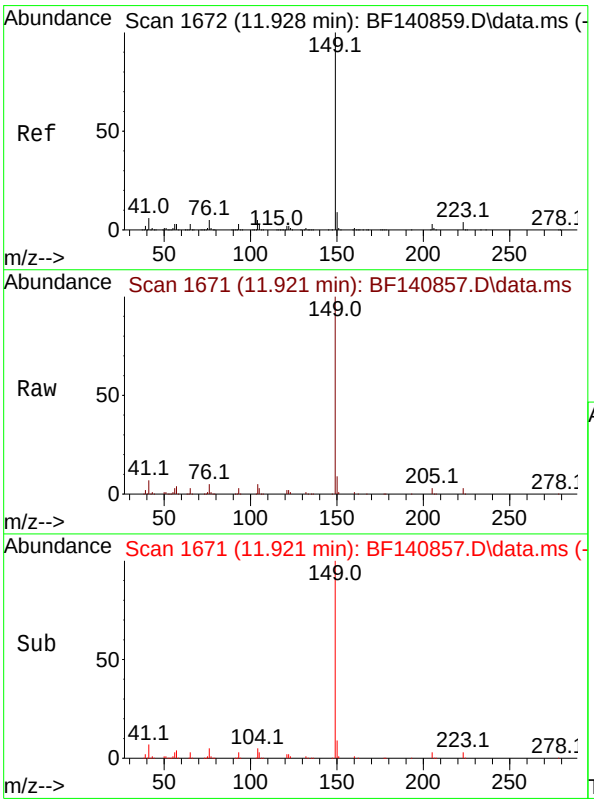

#73
Carbazole
Concen: 10.259 ng
RT: 11.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:167 Resp: 182199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.6 |
| 139 | 12.8 | 10.2 | 15.2 |

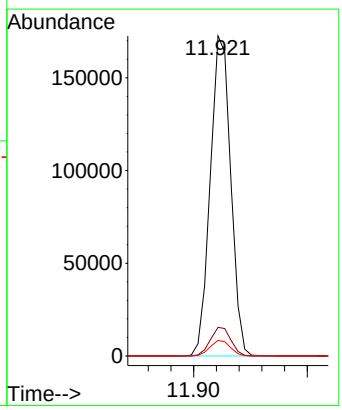


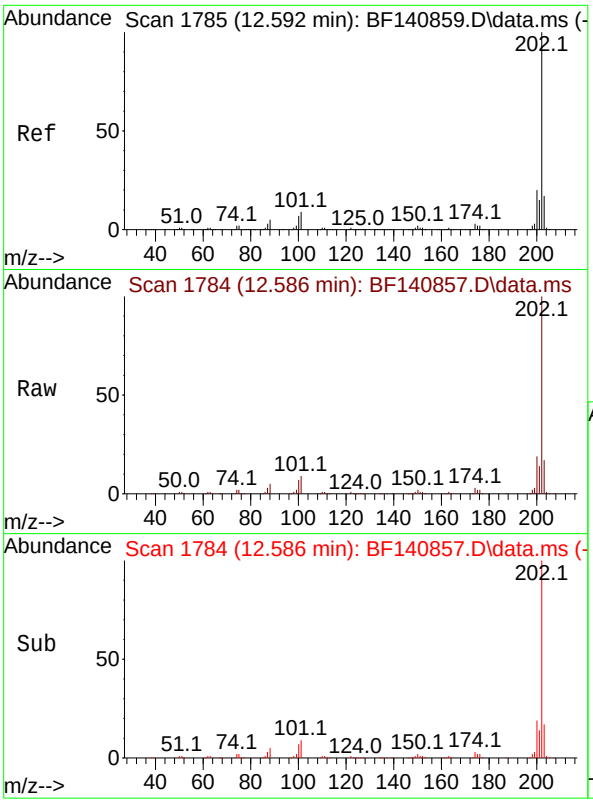




#74
Di-n-butylphthalate
Concen: 10.359 ng
RT: 11.921 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 215903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



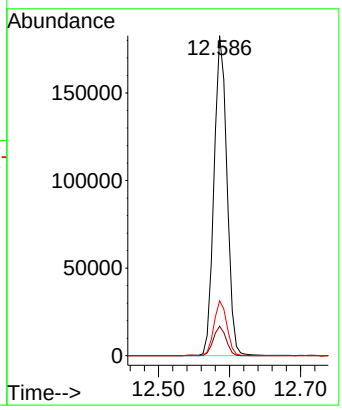


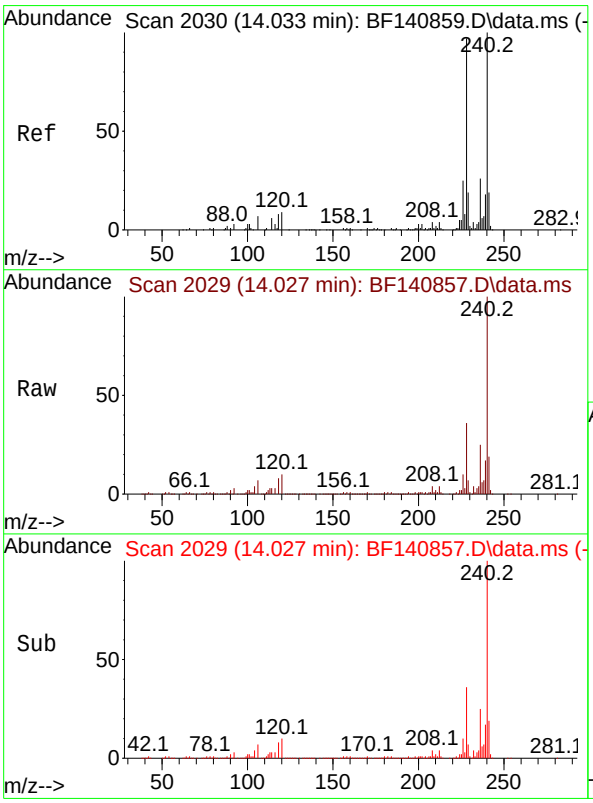

#75
Fluoranthene
Concen: 10.896 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:202 Resp: 231038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.3 |
| 203 | 17.1 | 0.0 | 37.4 |

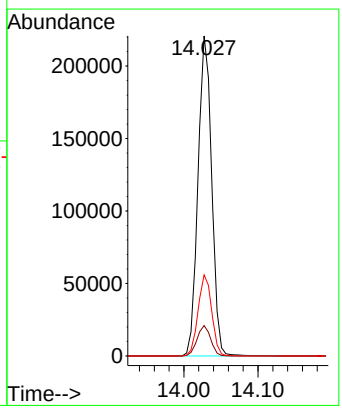


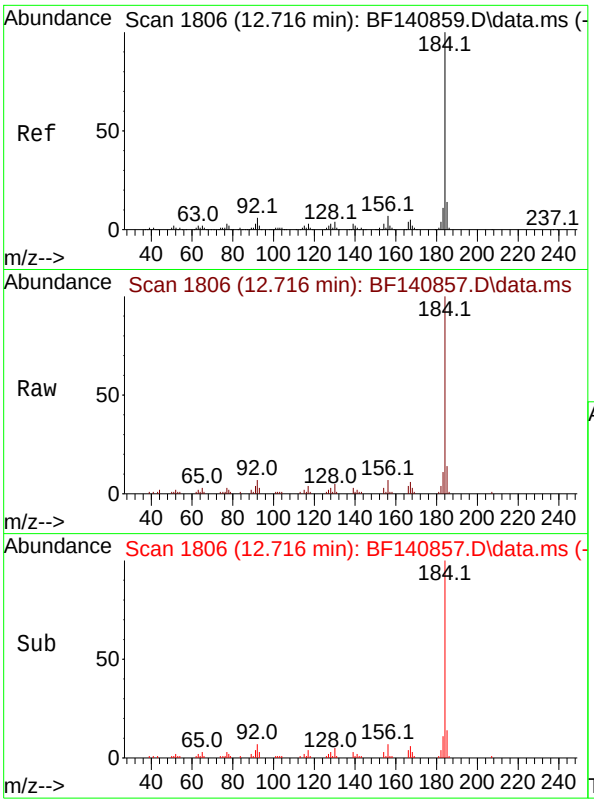




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:240 Resp: 282501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.3 | 20.5 | 30.7 |



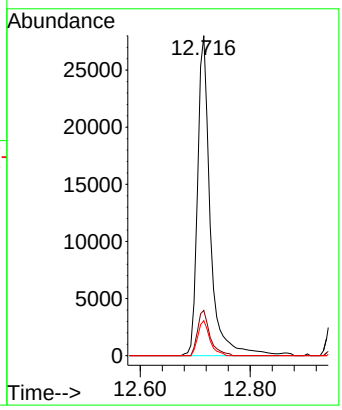


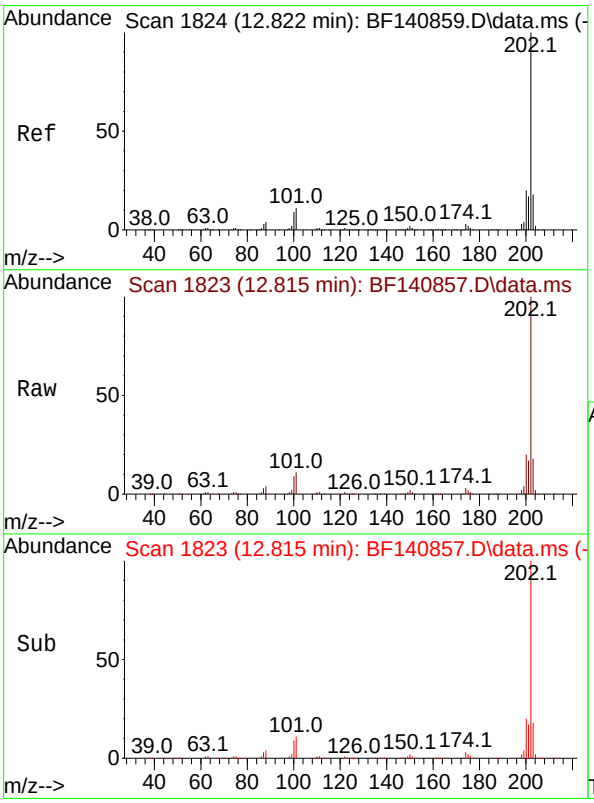

#77
Benzidine
Concen: 7.818 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:184 Resp: 45074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 11.0 | 9.0 | 13.4 |

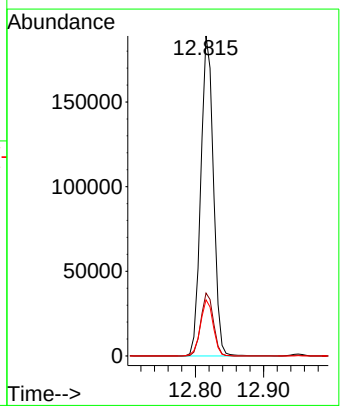


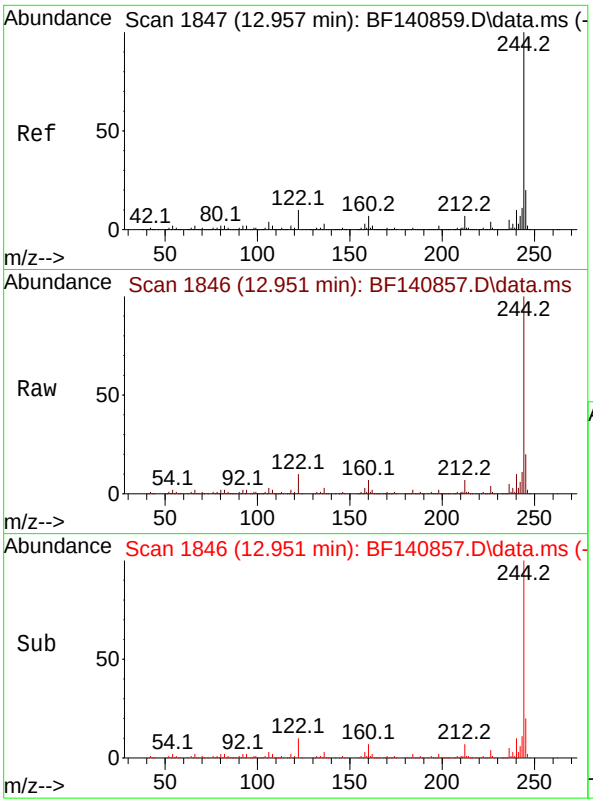




#78
Pyrene
Concen: 9.663 ng
RT: 12.815 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:202 Resp: 242761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 16.1 | 24.1 |
| 203 | 17.5 | 14.2 | 21.4 |



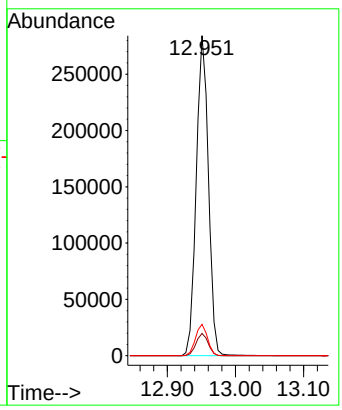


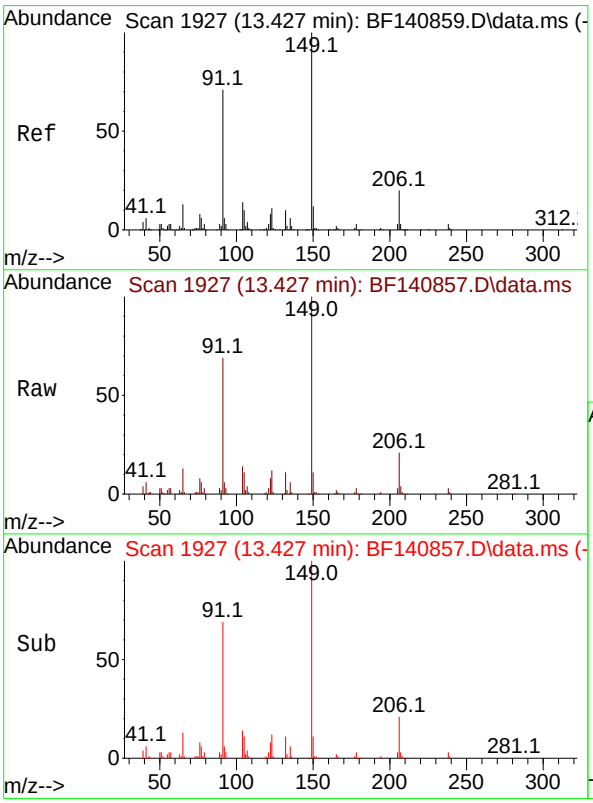

#79
Terphenyl-d14
Concen: 19.670 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:244 Resp: 352398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 9.8 | 8.2 | 12.2 |

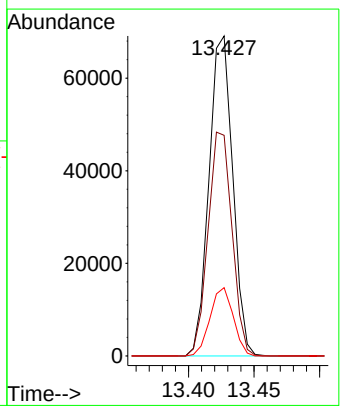


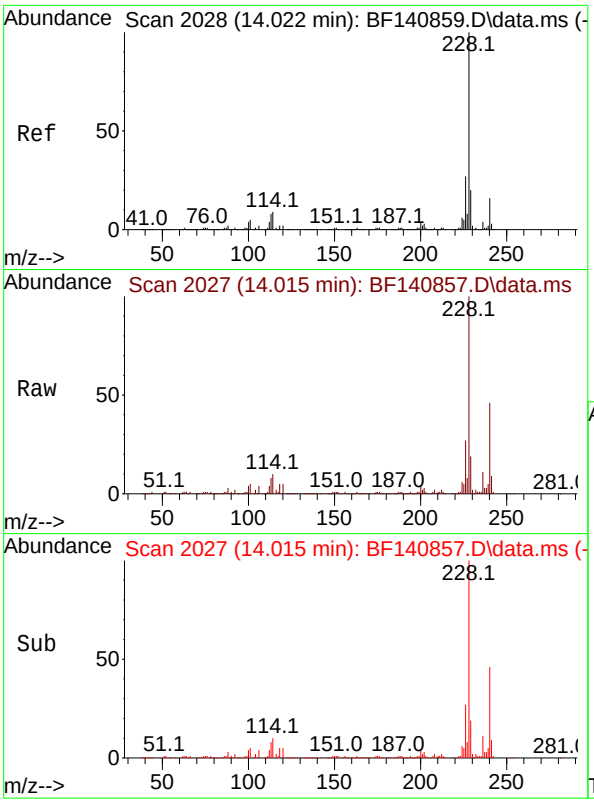




#80
Butylbenzylphthalate
Concen: 9.411 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 86987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.0 | 56.7 | 85.1 |
| 206 | 21.4 | 16.4 | 24.6 |



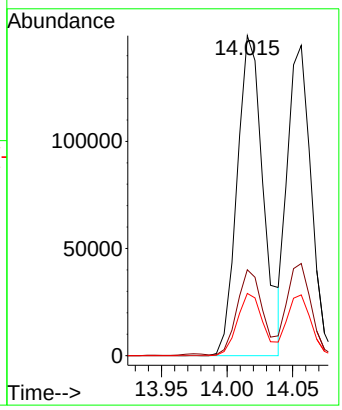


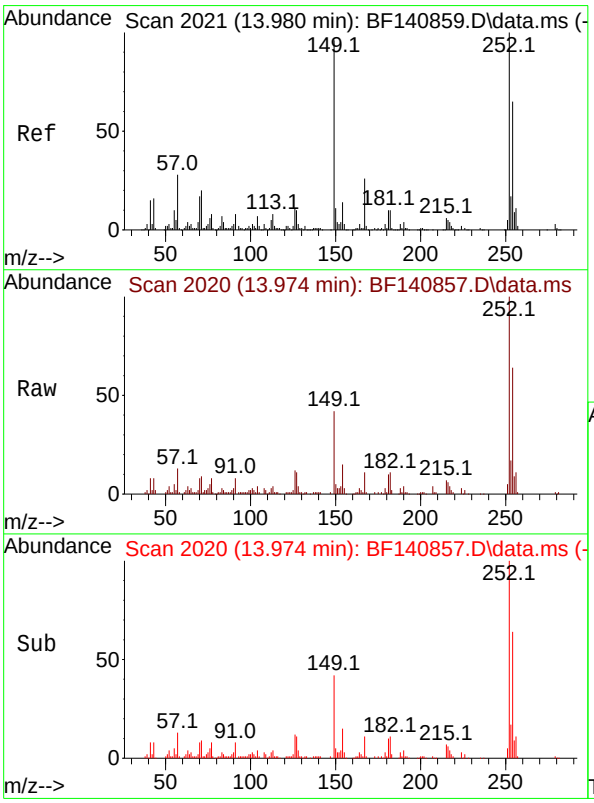

#81
Benzo(a)anthracene
Concen: 10.395 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:228 Resp: 208127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.5 | 15.8 | 23.8 |

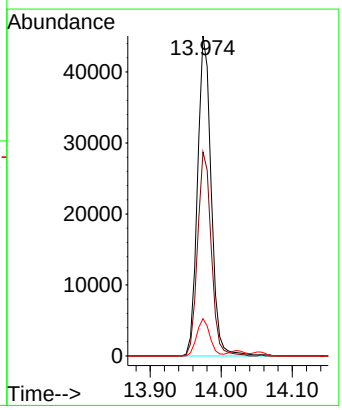


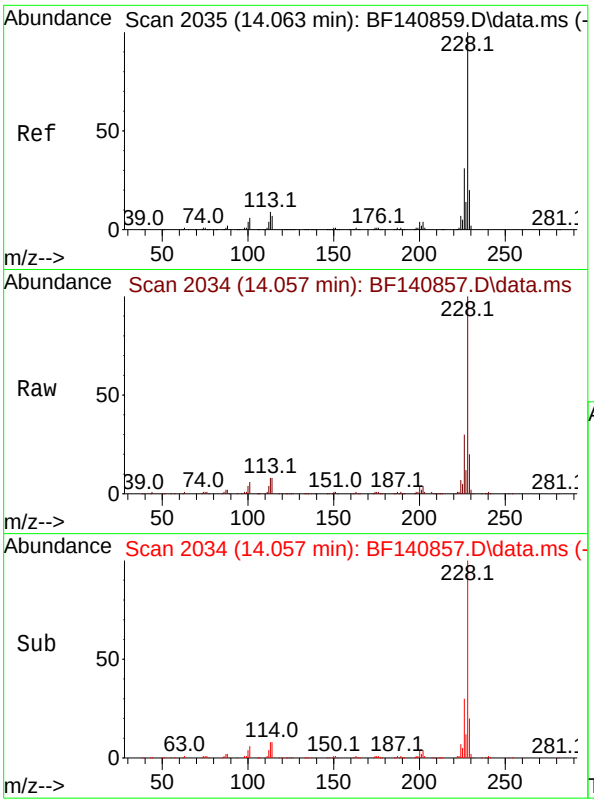




#82
3,3'-Dichlorobenzidine
Concen: 9.994 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 60368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.7 | 52.3 | 78.5 |
| 126 | 11.7 | 8.4 | 12.6 |



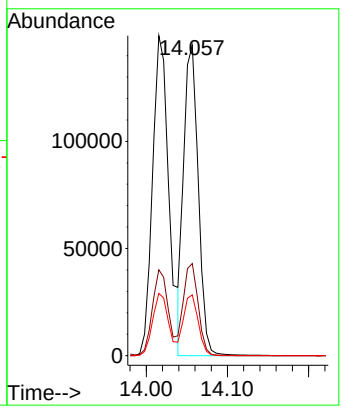


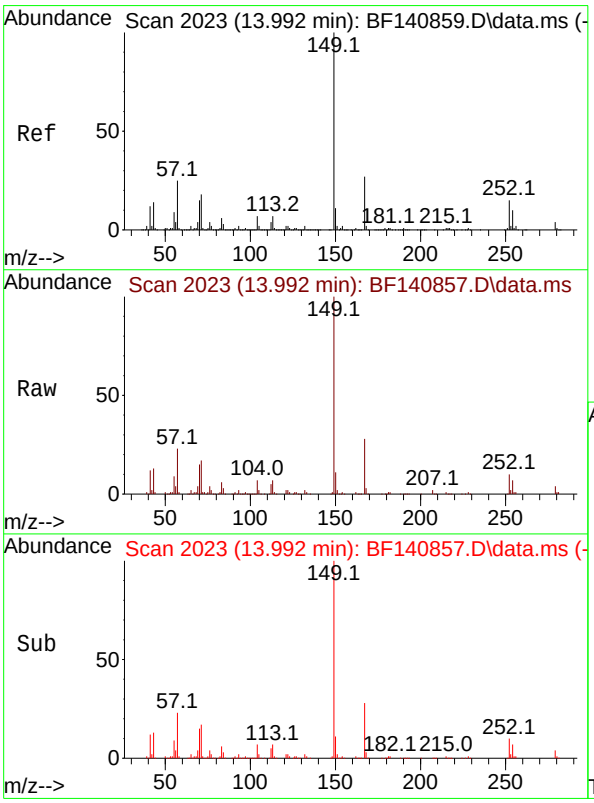

#83
Chrysene
Concen: 9.963 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:228 Resp: 181387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |

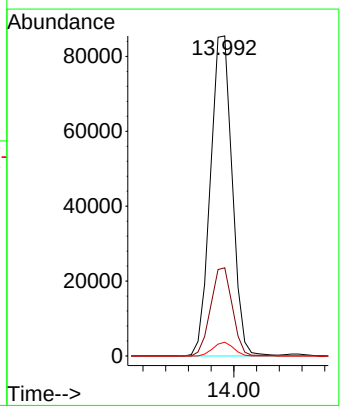


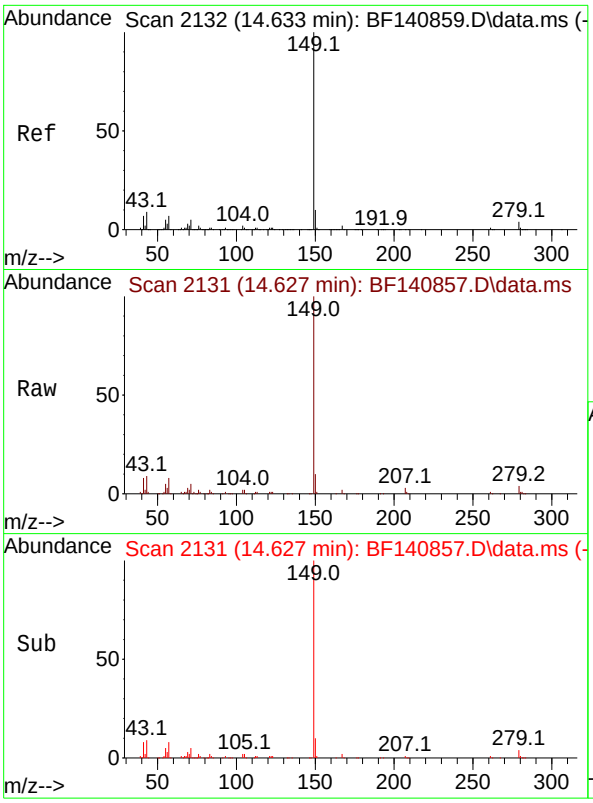




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.562 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 113963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |



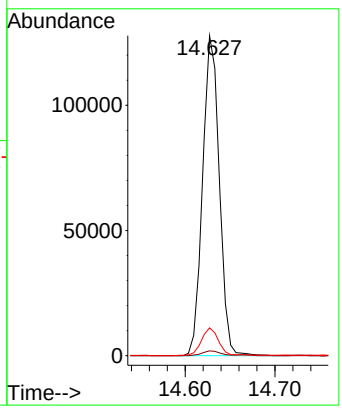


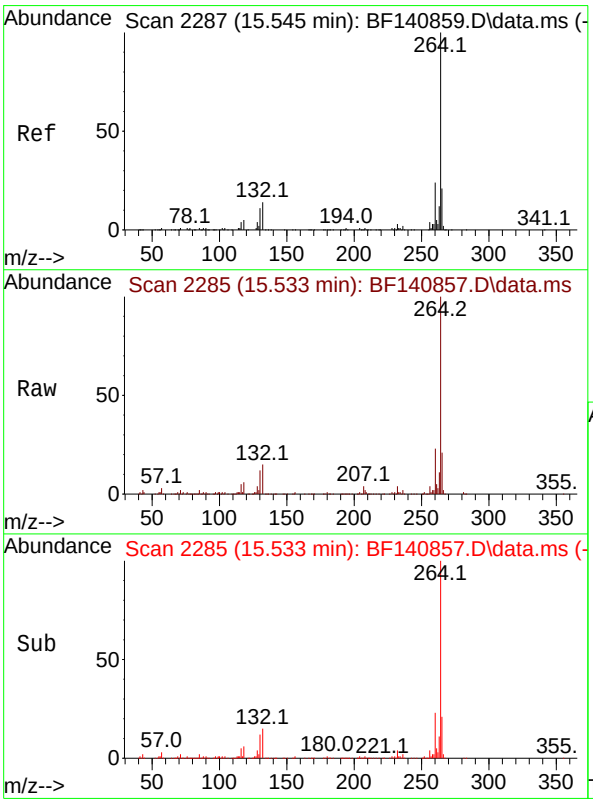

#85
Di-n-octyl phthalate
Concen: 9.161 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:149 Resp: 165198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.1 | 7.0 | 10.6 |

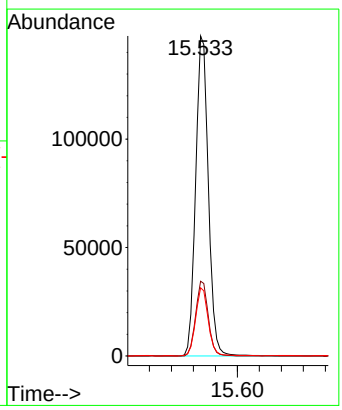


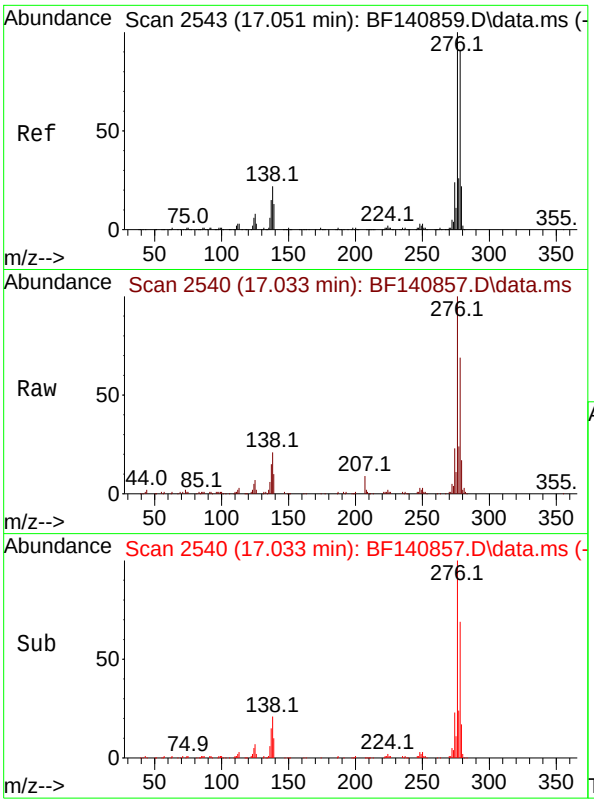




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:264 Resp: 236486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.1 | 28.7 |
| 265 | 21.3 | 17.0 | 25.4 |



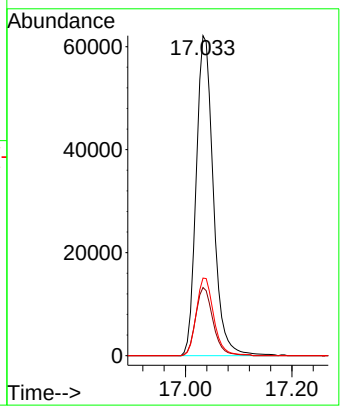


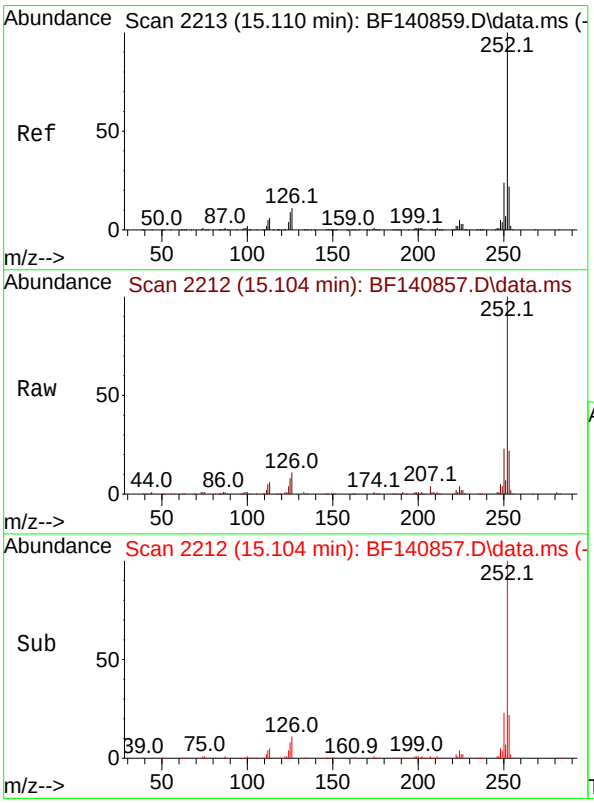

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.405 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:276 Resp: 138792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.6 | 16.9 | 25.3 |
| 277 | 24.7 | 20.2 | 30.4 |

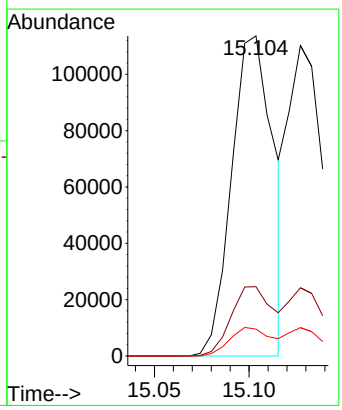


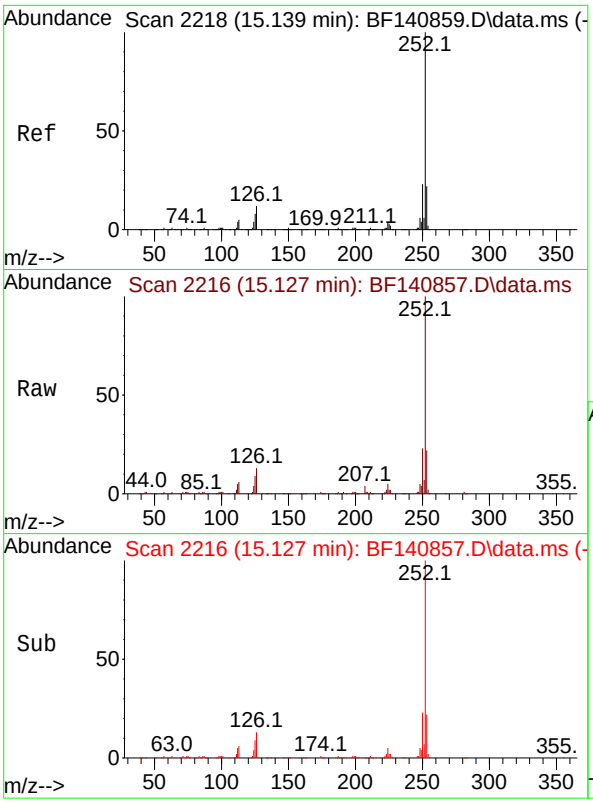




#88
Benzo(b)fluoranthene
Concen: 10.558 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 173313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 8.4 | 7.0 | 10.4 |



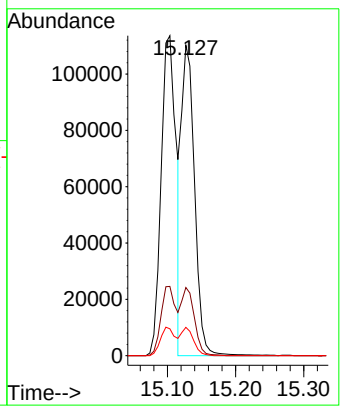


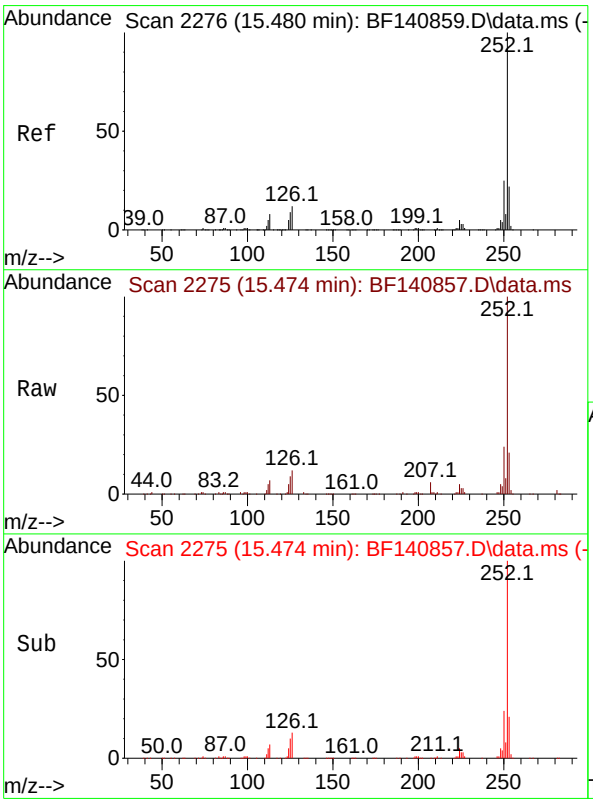

#89
Benzo(k)fluoranthene
Concen: 10.499 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:252 Resp: 147840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 9.1 | 6.8 | 10.2 |

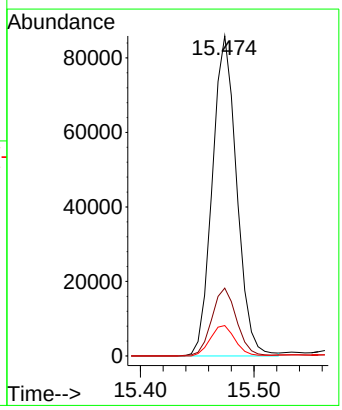


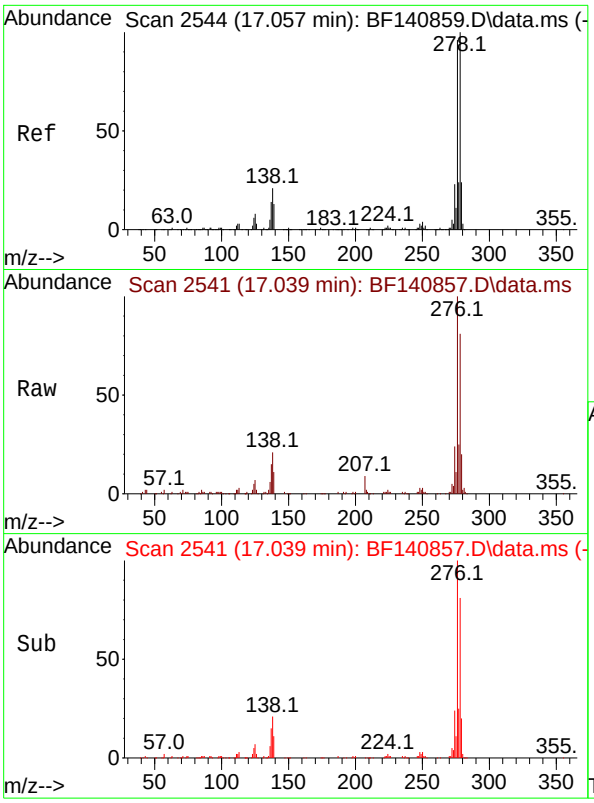




#90
Benzo(a)pyrene
Concen: 9.973 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 128194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.5 | 26.3 |
| 125 | 9.5 | 7.5 | 11.3 |



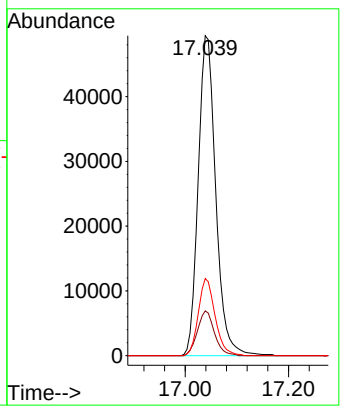


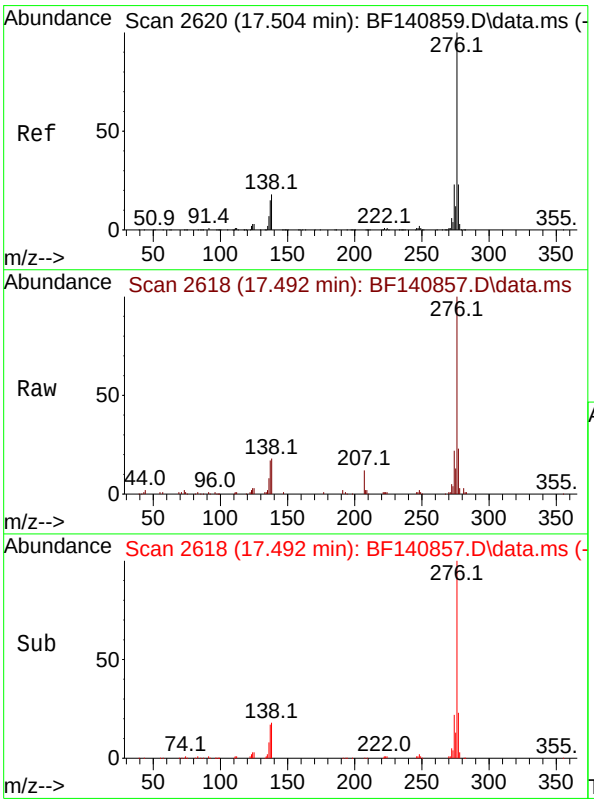

#91
Dibenzo(a,h)anthracene
Concen: 9.532 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

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

Tgt Ion:278 Resp: 116533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.0 | 10.6 | 16.0 |
| 279 | 24.1 | 19.2 | 28.8 |

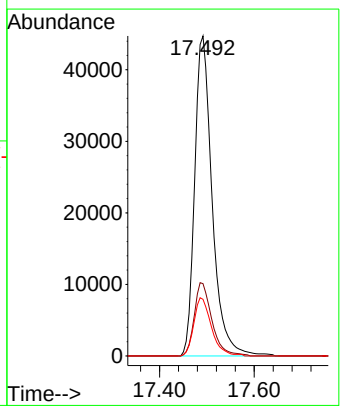



#92
Benzo(g,h,i)perylene
Concen: 9.240 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:276 Resp: 114976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.6 | 18.7 | 28.1 |
| 138 | 17.7 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.846 | 152 | 71395 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 269448 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.881 | 164 | 153586 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 299699 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 234229 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.563 | 264 | 220576 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 182586 | 42.100 | ng | | 0.00 |
| 7) Phenol-d6 | 6.493 | 99 | 237156 | 41.285 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.410 | 82 | 226356 | 42.030 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.675 | 330 | 74311 | 40.909 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 472330 | 42.281 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 570640 | 38.416 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 38355 | 20.532 | ng | | 96 |
| 3) Pyridine | 3.405 | 79 | 91704 | 21.197 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 44712 | 20.501 | ng | | 97 |
| 6) Aniline | 6.516 | 93 | 103355 | 21.043 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.640 | 128 | 96909 | 20.490 | ng | | 98 |
| 9) Benzaldehyde | 6.404 | 77 | 70862 | 22.263 | ng | | 98 |
| 10) Phenol | 6.510 | 94 | 123728 | 20.782 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 91473 | 20.602 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 111145 | 20.624 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 113006 | 20.658 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 107719 | 20.870 | ng | | 97 |
| 15) Benzyl Alcohol | 6.998 | 79 | 88251 | 21.487 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 108472 | 20.739 | ng | | 89 |
| 17) 2-Methylphenol | 7.110 | 107 | 77132 | 20.427 | ng | | 97 |
| 18) Hexachloroethane | 7.351 | 117 | 41766 | 20.509 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.257 | 70 | 71344 | 20.705 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 102814 | 20.534 | ng | # | 88 |
| 22) Acetophenone | 7.257 | 105 | 140187 | 20.798 | ng | | 98 |
| 24) Nitrobenzene | 7.434 | 77 | 114486 | 20.750 | ng | | 98 |
| 25) Isophorone | 7.669 | 82 | 185900 | 20.601 | ng | | 100 |
| 26) 2-Nitrophenol | 7.751 | 139 | 52133 | 20.516 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.787 | 122 | 60750 | 20.471 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 115605 | 20.512 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 84299 | 20.575 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 96194 | 20.481 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 303425 | 20.500 | ng | | 99 |
| 32) Benzoic acid | 7.910 | 122 | 51770 | 18.394 | ng | | 97 |
| 33) 4-Chloroaniline | 8.204 | 127 | 101583 | 20.664 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 65803 | 20.824 | ng | | 99 |
| 35) Caprolactam | 8.569 | 113 | 24344 | 19.958 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.693 | 107 | 93611 | 20.300 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.840 | 142 | 199492 | 20.375 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.940 | 142 | 193053 | 19.937 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 98517 | 20.869 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.987 | 237 | 18486 | 21.391 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.128 | 196 | 59284 | 20.509 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

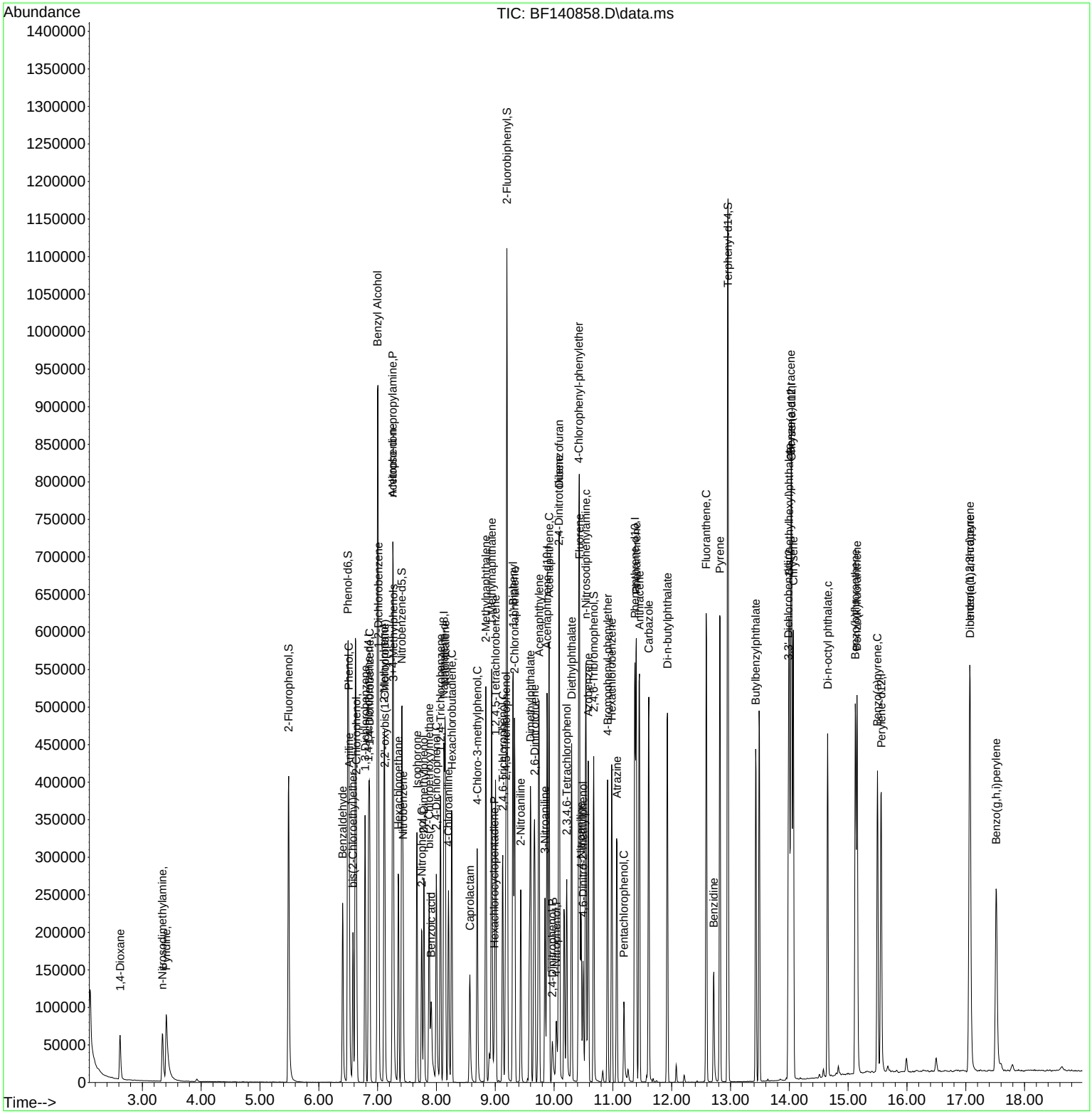
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 65450 | 20.600 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 251662 | 20.606 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.328 | 162 | 192611 | 20.615 | ng | 98 |
| 48) 2-Nitroaniline | 9.434 | 65 | 57140 | 20.250 | ng | 99 |
| 49) Acenaphthylene | 9.745 | 152 | 288710 | 21.027 | ng | 99 |
| 50) Dimethylphthalate | 9.598 | 163 | 220880 | 20.399 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 50302 | 20.321 | ng | 97 |
| 52) Acenaphthene | 9.916 | 154 | 179112 | 20.422 | ng | 99 |
| 53) 3-Nitroaniline | 9.845 | 138 | 50453 | 20.538 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 16571 | 19.139 | ng | 96 |
| 55) Dibenzofuran | 10.087 | 168 | 281092 | 20.683 | ng | 98 |
| 56) 4-Nitrophenol | 10.039 | 139 | 20392 | 19.017 | ng | 90 |
| 57) 2,4-Dinitrotoluene | 10.081 | 165 | 67570 | 20.746 | ng | 100 |
| 58) Fluorene | 10.434 | 166 | 229160 | 20.439 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 52966 | 20.459 | ng | 98 |
| 60) Diethylphthalate | 10.298 | 149 | 229798 | 20.466 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 116545 | 20.693 | ng | 97 |
| 62) 4-Nitroaniline | 10.457 | 138 | 52016 | 20.263 | ng | 97 |
| 63) Azobenzene | 10.581 | 77 | 214137 | 20.286 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 32520 | 19.149 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 192873 | 20.932 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 70804 | 21.118 | ng | 99 |
| 68) Hexachlorobenzene | 10.981 | 284 | 80189 | 21.095 | ng | 99 |
| 69) Atrazine | 11.069 | 200 | 57872 | 22.488 | ng | 99 |
| 70) Pentachlorophenol | 11.186 | 266 | 22401 | 16.109 | ng | 98 |
| 71) Phenanthrene | 11.398 | 178 | 321392 | 20.854 | ng | 100 |
| 72) Anthracene | 11.451 | 178 | 315664 | 20.798 | ng | 99 |
| 73) Carbazole | 11.610 | 167 | 307615 | 20.692 | ng | 99 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 369257 | 21.164 | ng | 99 |
| 75) Fluoranthene | 12.586 | 202 | 374894 | 21.122 | ng | 100 |
| 77) Benzidine | 12.716 | 184 | 93986 | 19.660 | ng | 99 |
| 78) Pyrene | 12.822 | 202 | 386539 | 18.558 | ng | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 145401 | 18.972 | ng | 97 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 332845 | 20.050 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 105124 | 20.989 | ng | 97 |
| 83) Chrysene | 14.069 | 228 | 319417 | 21.160 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149 | 204953 | 20.740 | ng | 97 |
| 85) Di-n-octyl phthalate | 14.651 | 149 | 315841 | 21.125 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 293402 | 21.315 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.121 | 252 | 319848 | 20.890 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.151 | 252 | 269871 | 20.548 | ng | 99 |
| 90) Benzo(a)pyrene | 15.498 | 252 | 250110 | 20.861 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 240810 | 21.117 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.515 | 276 | 241228 | 20.785 | ng | 99 |

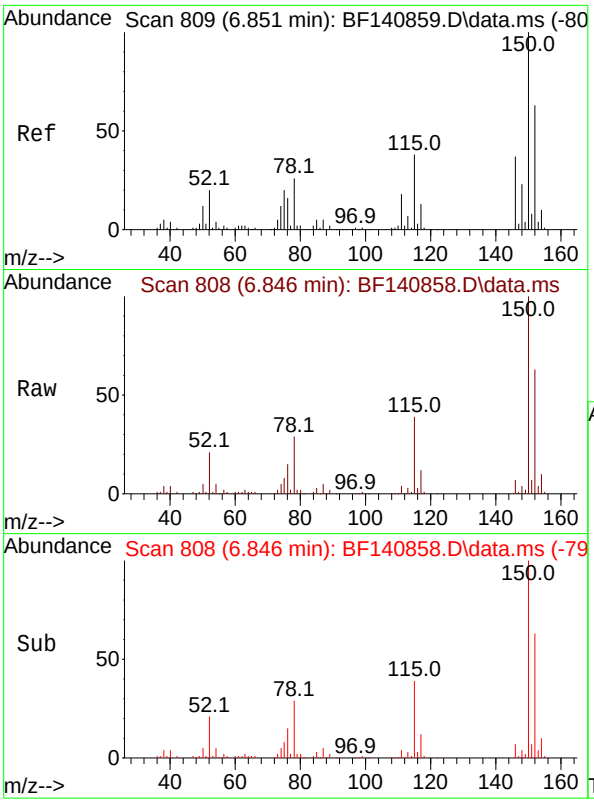
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



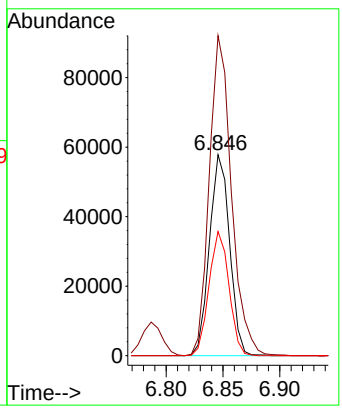


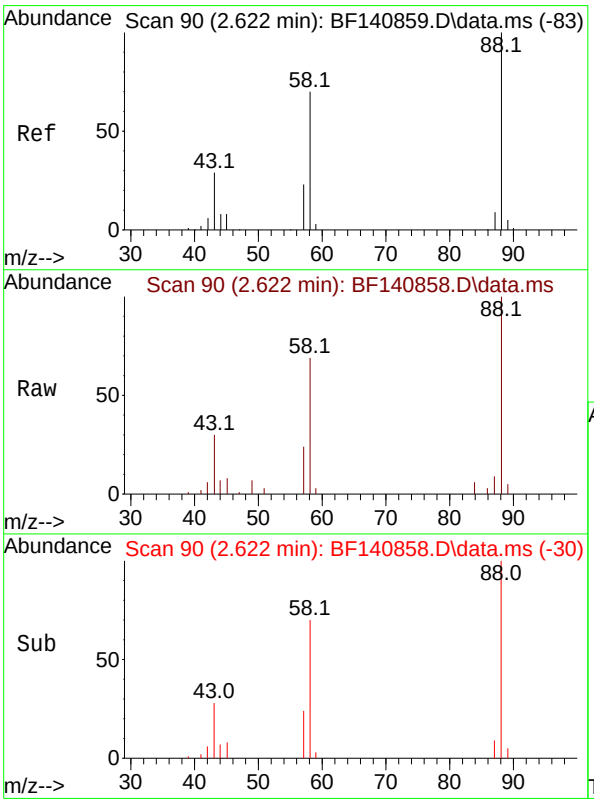

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:152 Resp: 71395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.2 | 127.9 | 191.9 |
| 115 | 61.8 | 48.0 | 72.0 |

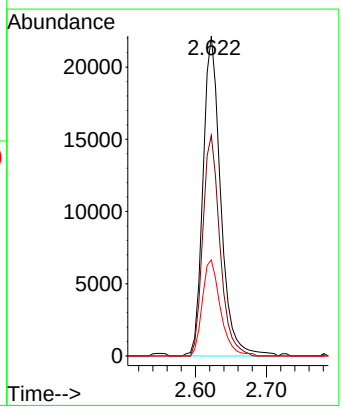


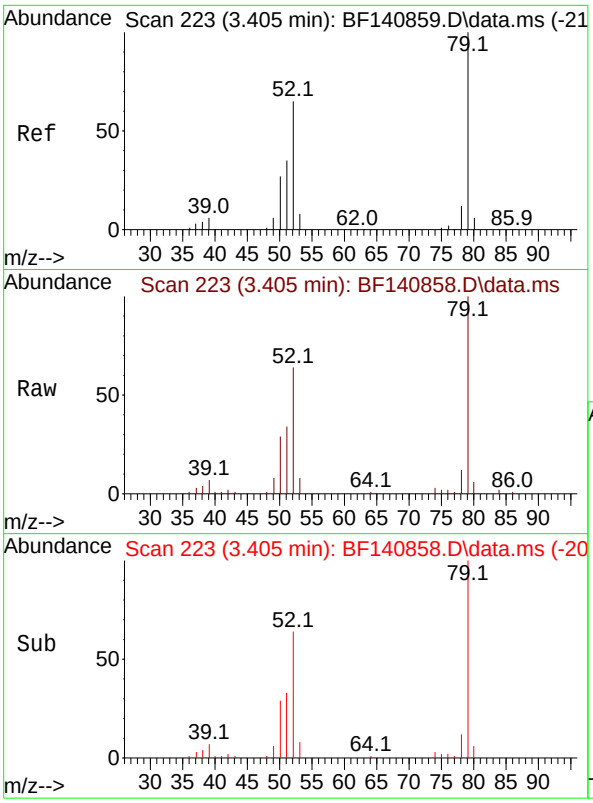




#2
1,4-Dioxane
Concen: 20.532 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 88 Resp: 38355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 66.7 | 55.8 | 83.8 |
| 43 | 30.7 | 22.7 | 34.1 |



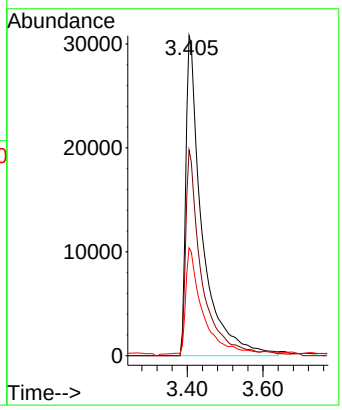


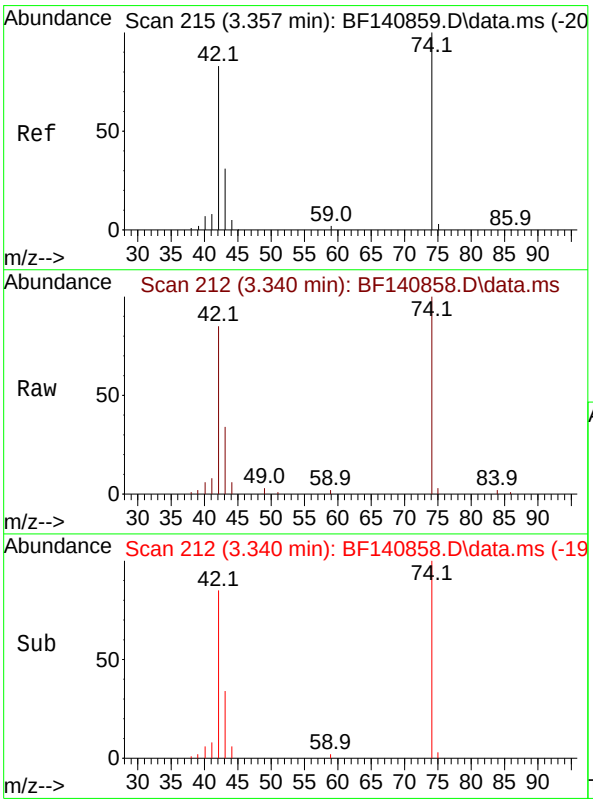

#3
Pyridine
Concen: 21.197 ng
RT: 3.405 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 79 Resp: 91704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.3 | 51.7 | 77.5 |
| 51 | 33.7 | 28.2 | 42.4 |

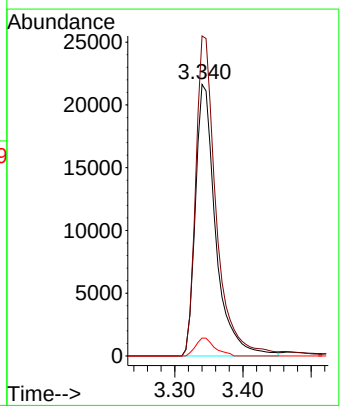


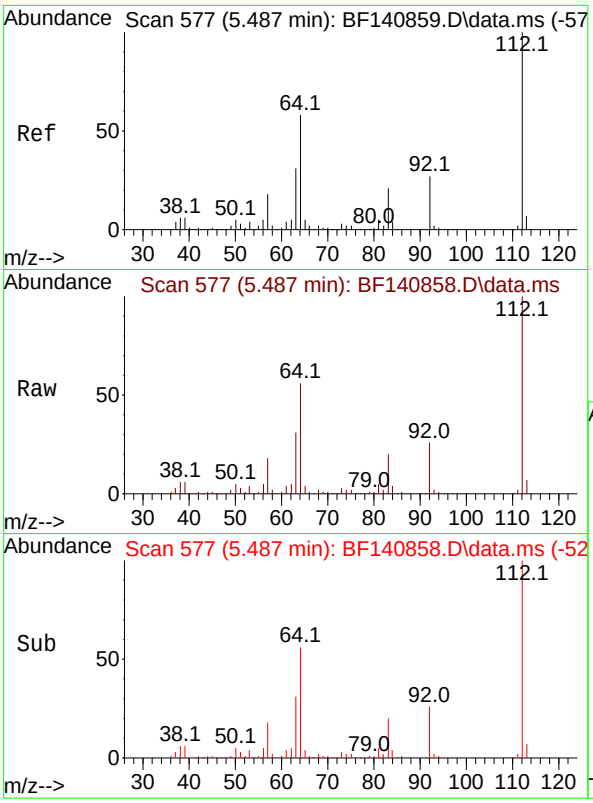




#4
n-Nitrosodimethylamine
Concen: 20.501 ng
RT: 3.340 min Scan# 212
Delta R.T. -0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 42 Resp: 44712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 117.8 | 96.9 | 145.3 |
| 44 | 6.6 | 4.4 | 6.6 |



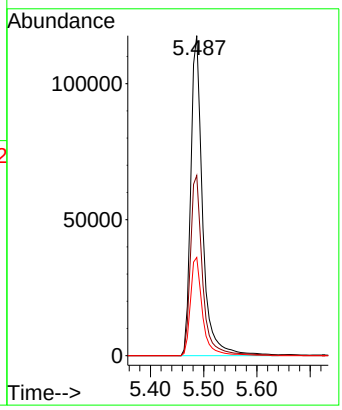


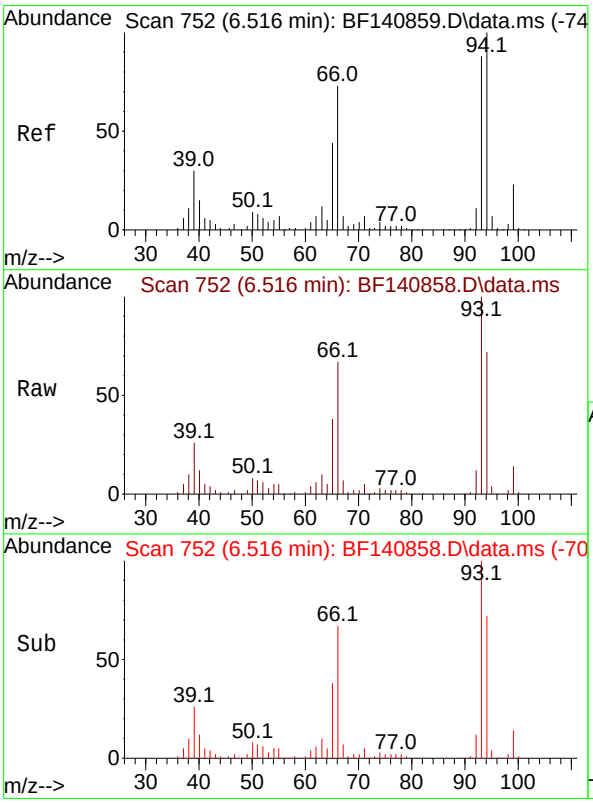

#5
2-Fluorophenol
Concen: 42.100 ng
RT: 5.487 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:112 Resp: 182586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 46.1 | 69.1 |
| 63 | 30.7 | 24.9 | 37.3 |

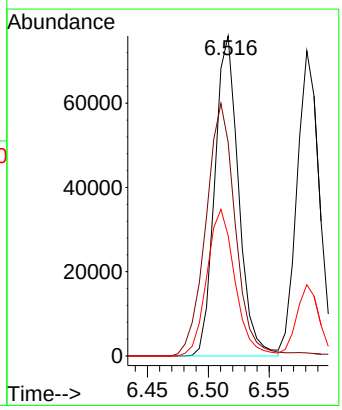


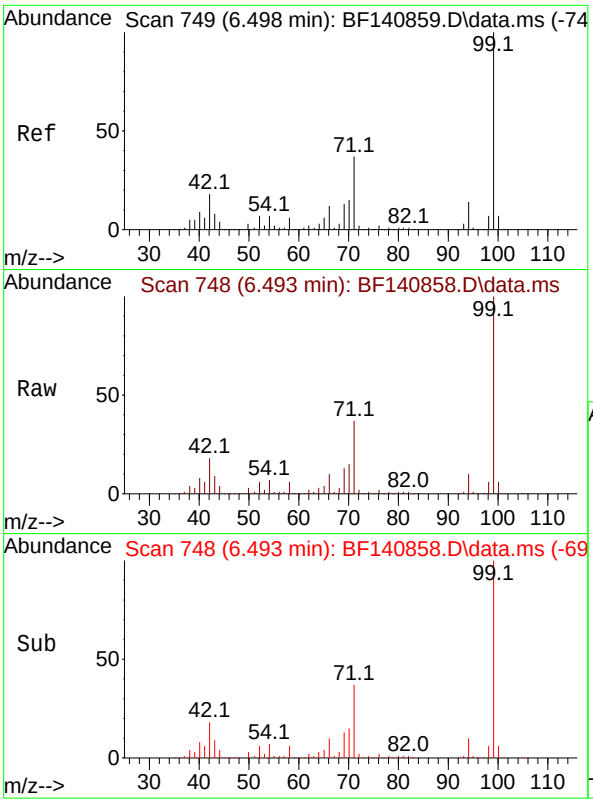




#6
Aniline
Concen: 21.043 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 93 Resp: 103355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 66.9 | 67.0 | 100.4# |
| 65 | 37.7 | 40.4 | 60.6# |



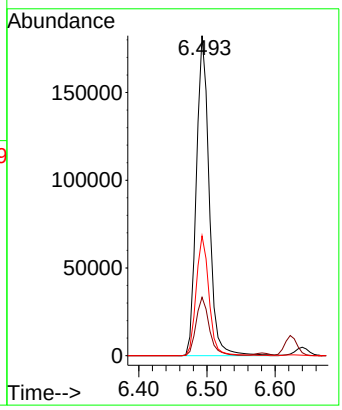


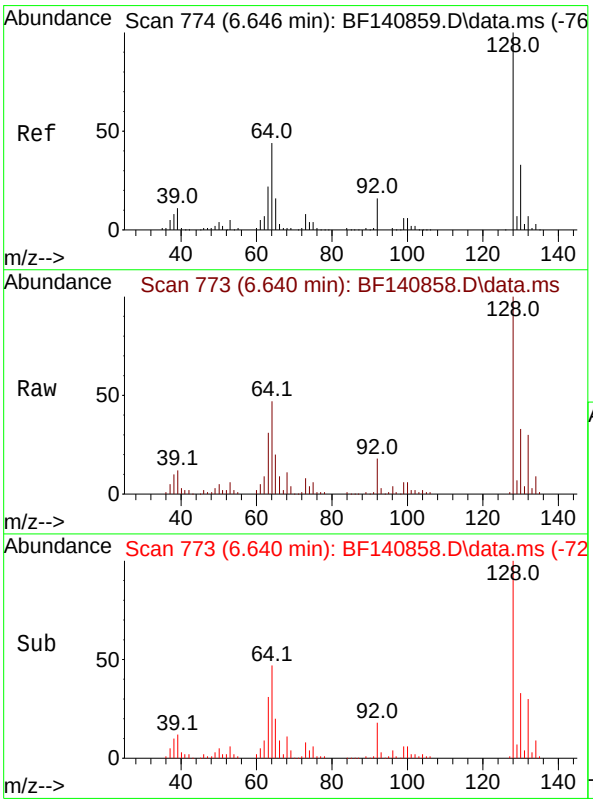

#7
Phenol-d6
Concen: 41.285 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 99 Resp: 237156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 14.3 | 21.5 |
| 71 | 37.4 | 29.9 | 44.9 |

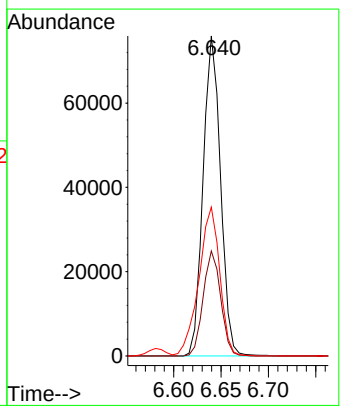


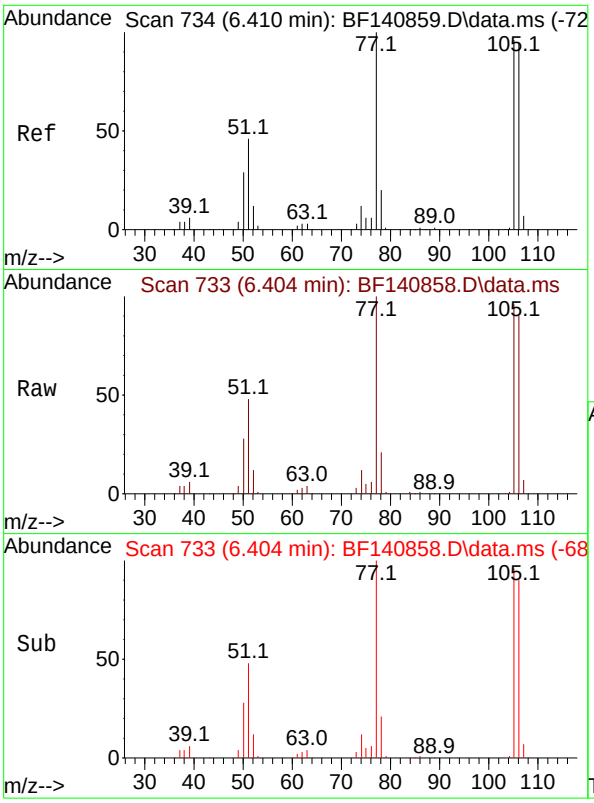




#8
2-Chlorophenol
Concen: 20.490 ng
RT: 6.640 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:128 Resp: 96909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.9 | 52.9 |
| 64 | 46.5 | 24.3 | 64.3 |



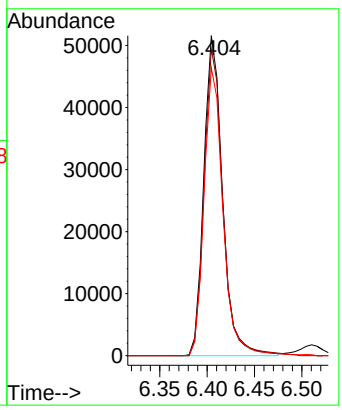


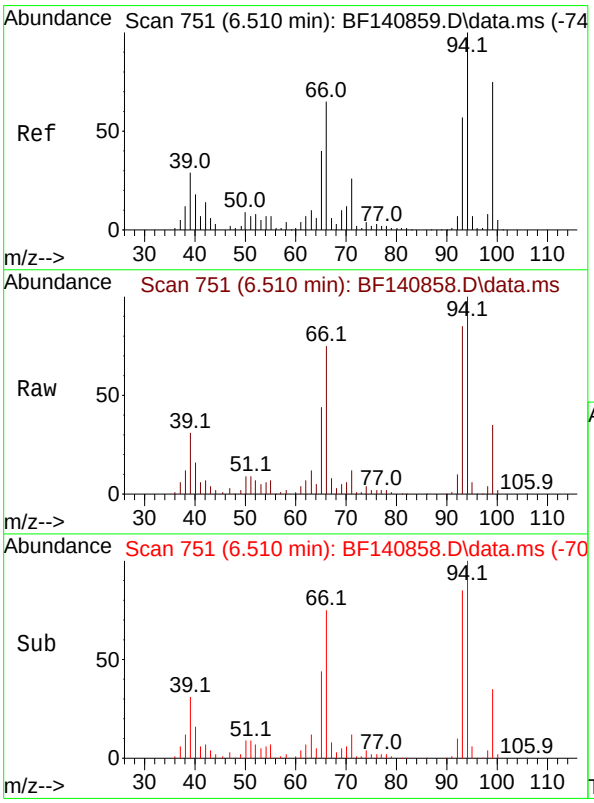

#9
Benzaldehyde
Concen: 22.263 ng
RT: 6.404 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 77 Resp: 70862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.9 | 75.8 | 115.8 |
| 106 | 89.9 | 74.1 | 114.1 |

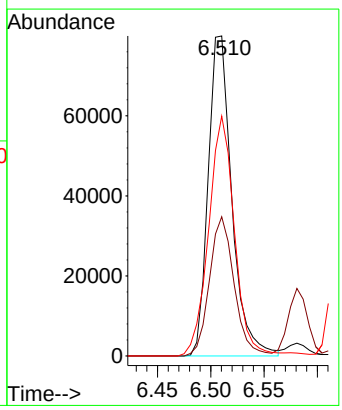


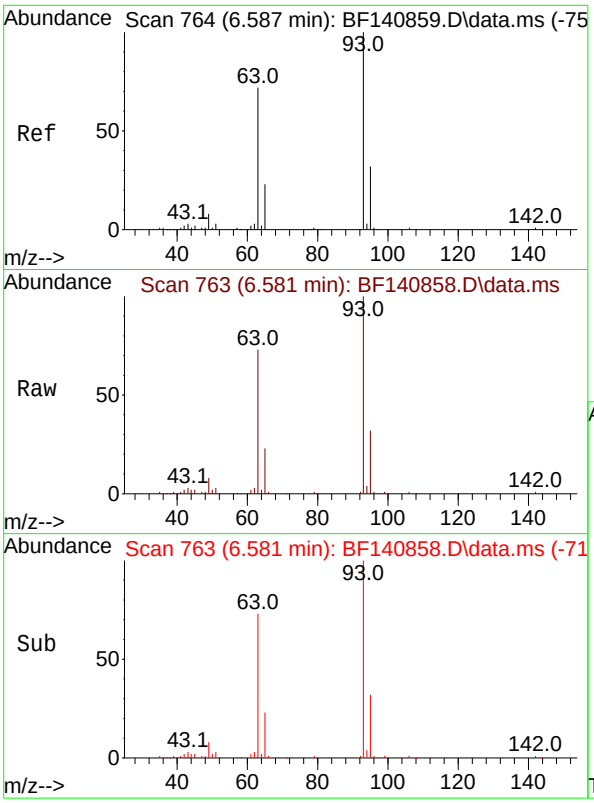




#10
Phenol
Concen: 20.782 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 94 Resp: 123728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 43.5 | 19.9 | 59.9 |
| 66 | 75.0 | 45.6 | 85.6 |



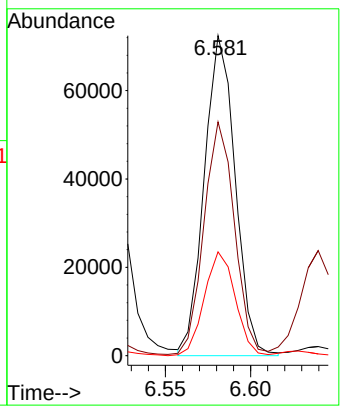


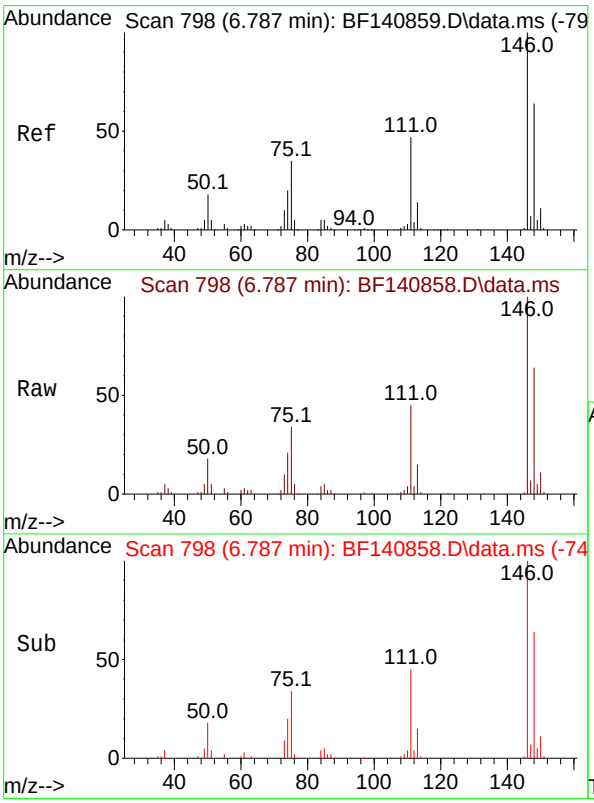

#11
bis(2-Chloroethyl)ether
Concen: 20.602 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 93 Resp: 91473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.0 | 51.0 | 91.0 |
| 95 | 32.5 | 12.0 | 52.0 |

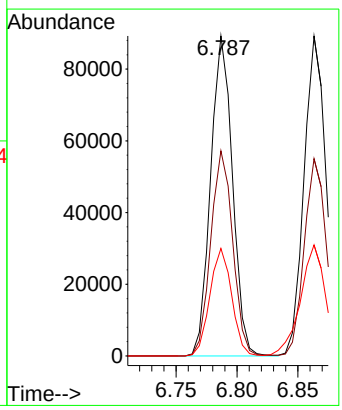


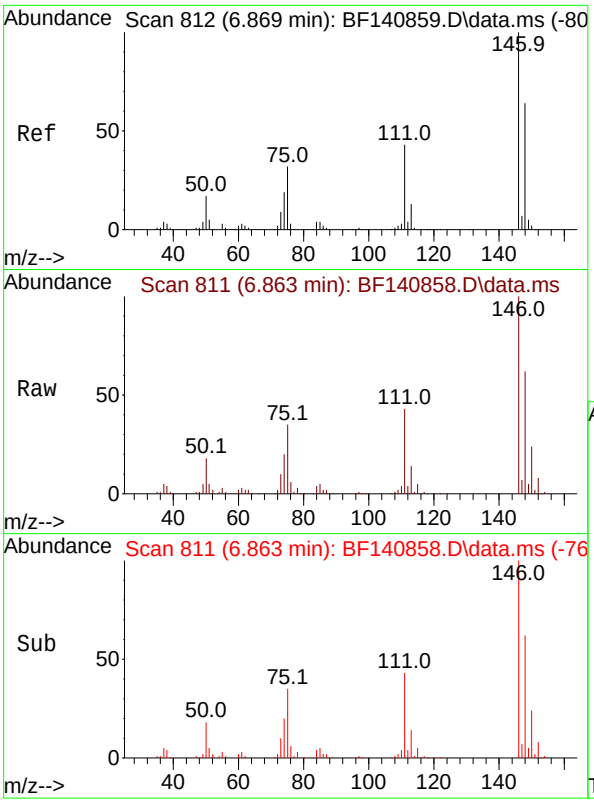




#12
1,3-Dichlorobenzene
Concen: 20.624 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:146 Resp: 111145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 75 | 33.6 | 28.1 | 42.1 |



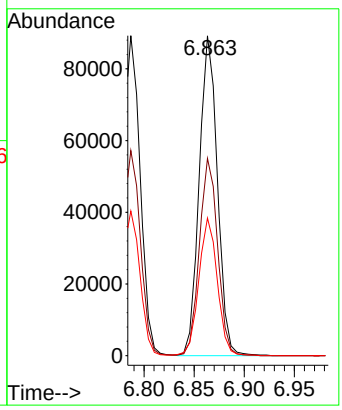


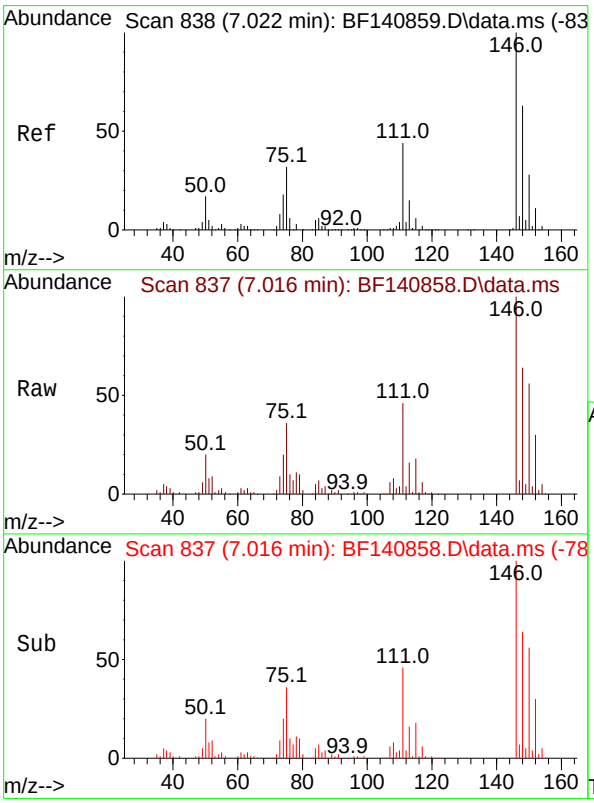

#13
1,4-Dichlorobenzene
Concen: 20.658 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:146 Resp: 113006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.7 | 51.3 | 76.9 |
| 111 | 43.0 | 34.4 | 51.6 |

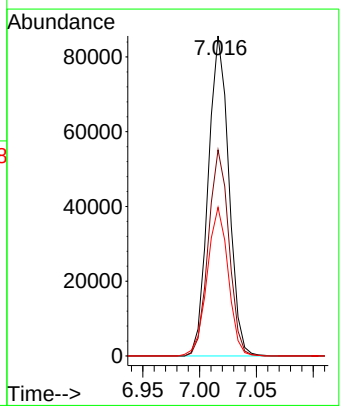


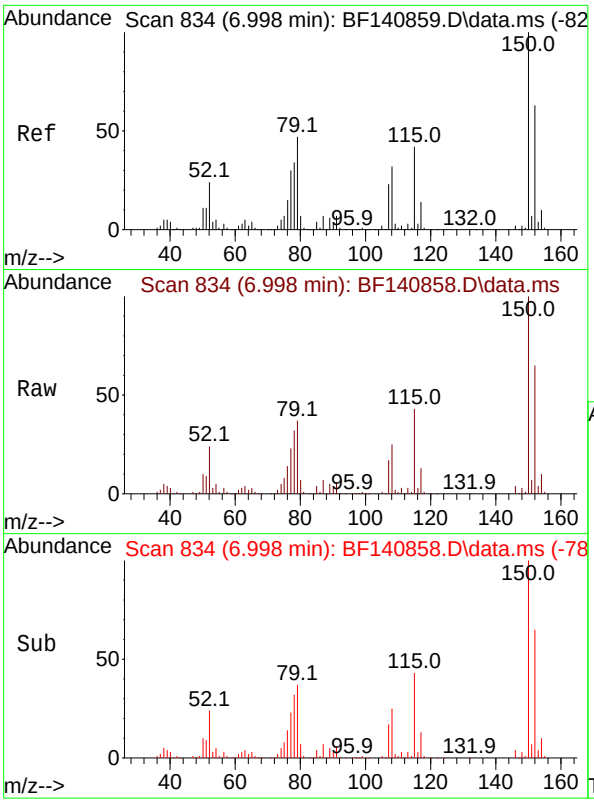




#14
1,2-Dichlorobenzene
Concen: 20.870 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:146 Resp: 107719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.0 | 75.0 |
| 111 | 46.4 | 35.6 | 53.4 |



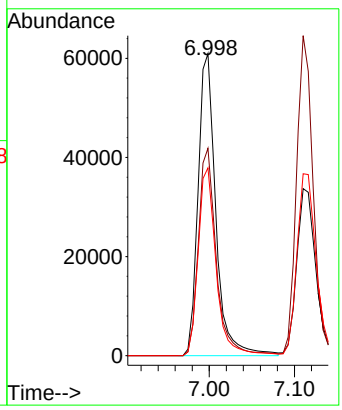


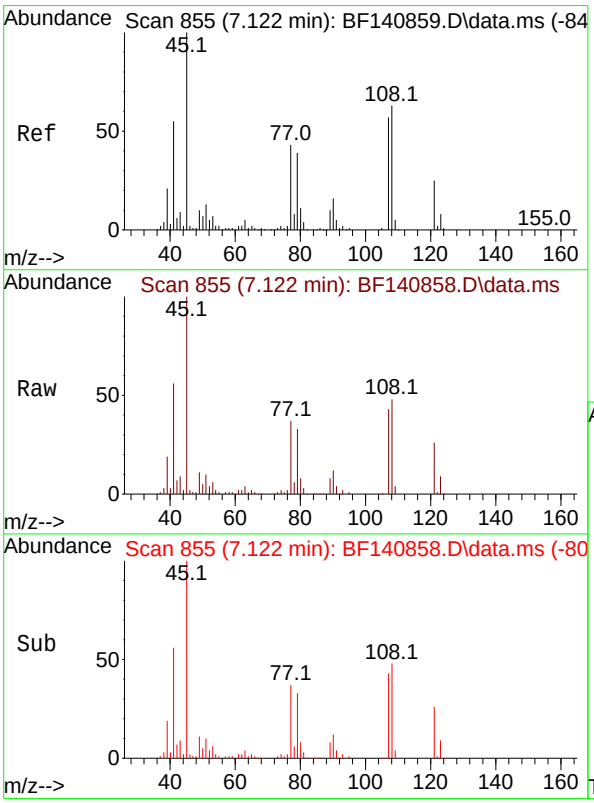

#15
Benzyl Alcohol
Concen: 21.487 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 79 Resp: 88251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 68.6 | 55.1 | 82.7 |
| 77 | 62.2 | 50.6 | 76.0 |

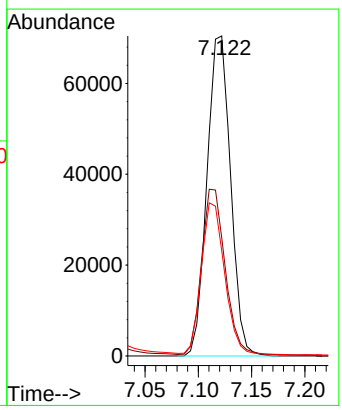


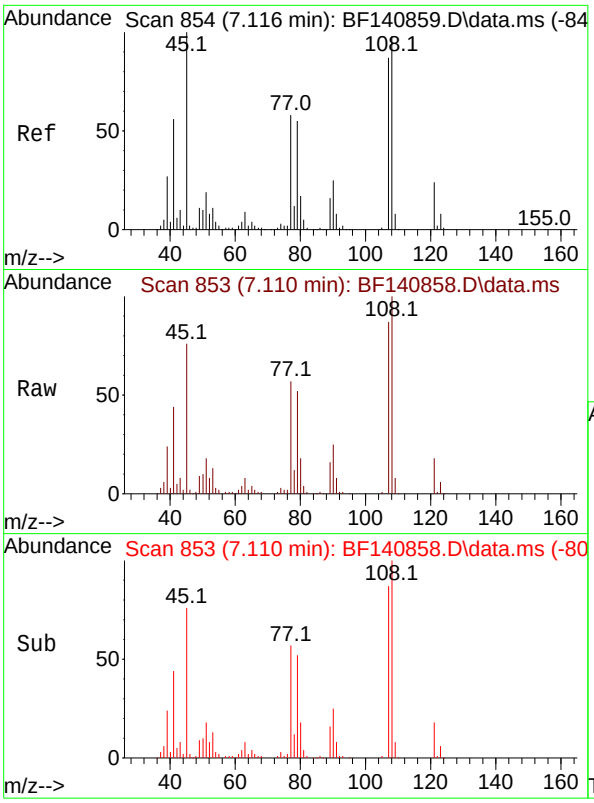




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.739 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 45 Resp: 108472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 37.0 | 23.3 | 63.3 |
| 79 | 32.9 | 20.0 | 60.0 |



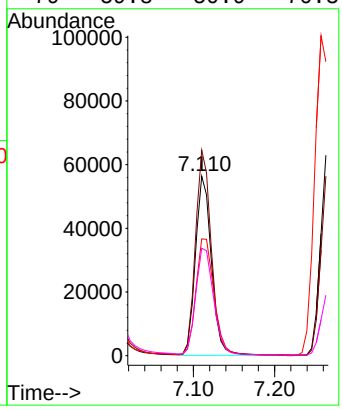


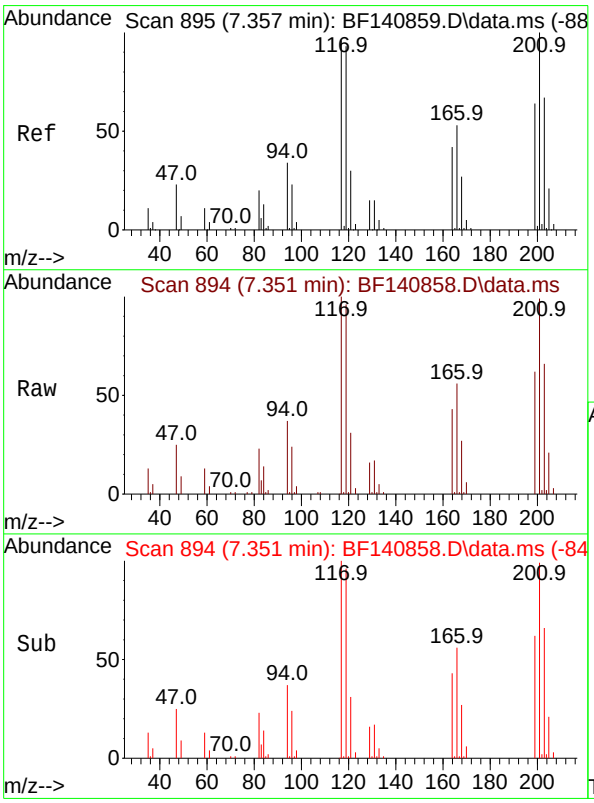

#17
2-Methylphenol
Concen: 20.427 ng
RT: 7.110 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:107 Resp: 77132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 90.2 | 135.4 |
| 77 | 65.1 | 53.8 | 80.6 |
| 79 | 59.8 | 50.9 | 76.3 |

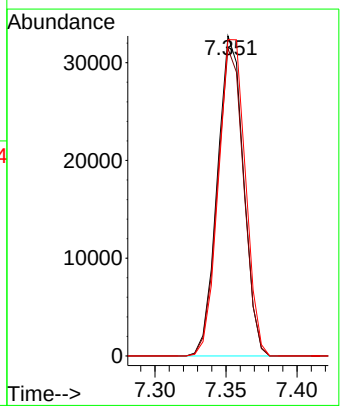


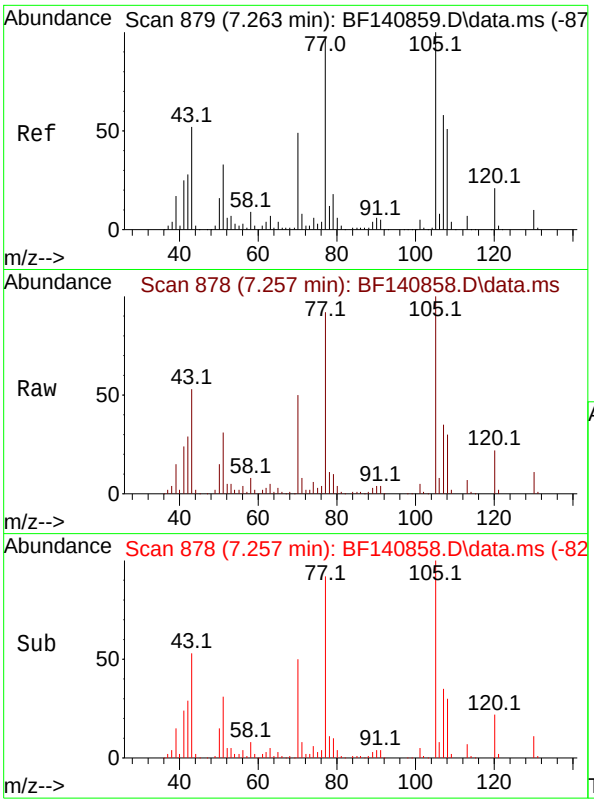




#18
Hexachloroethane
Concen: 20.509 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:117 Resp: 41766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.4 | 116.0 |
| 201 | 98.9 | 83.4 | 125.0 |



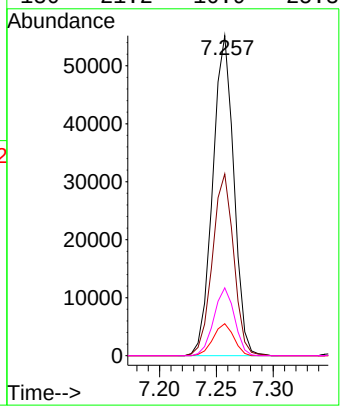


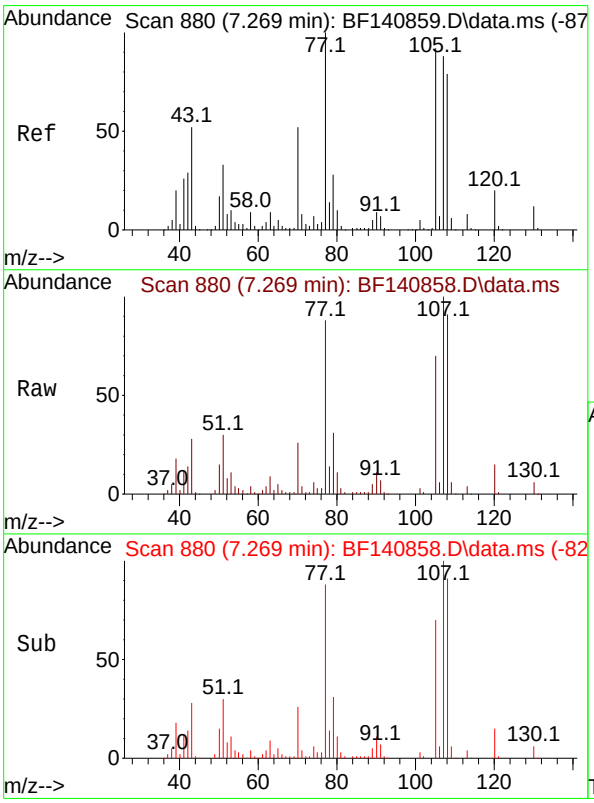

#19
n-Nitroso-di-n-propylamine
Concen: 20.705 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 70 Resp: 71344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.8 | 45.3 | 67.9 |
| 101 | 10.0 | 8.0 | 12.0 |
| 130 | 21.2 | 16.9 | 25.3 |

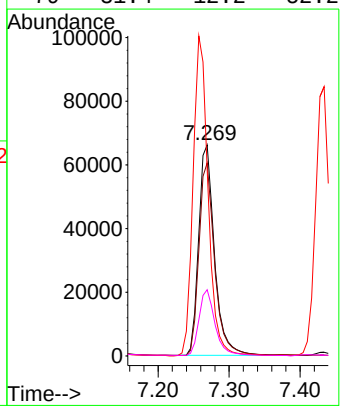


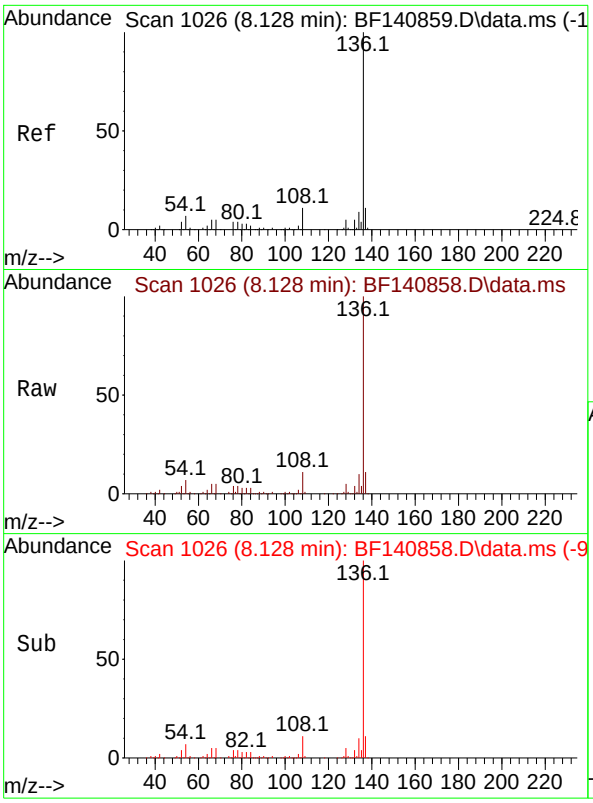




#20
3+4-Methylphenols
Concen: 20.534 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:107 Resp: 102814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 70.1 | 110.1 |
| 77 | 88.5 | 94.4 | 134.4# |
| 79 | 31.4 | 12.2 | 52.2 |



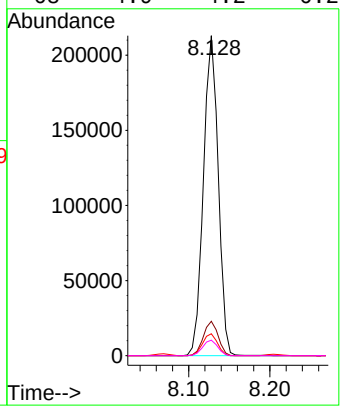


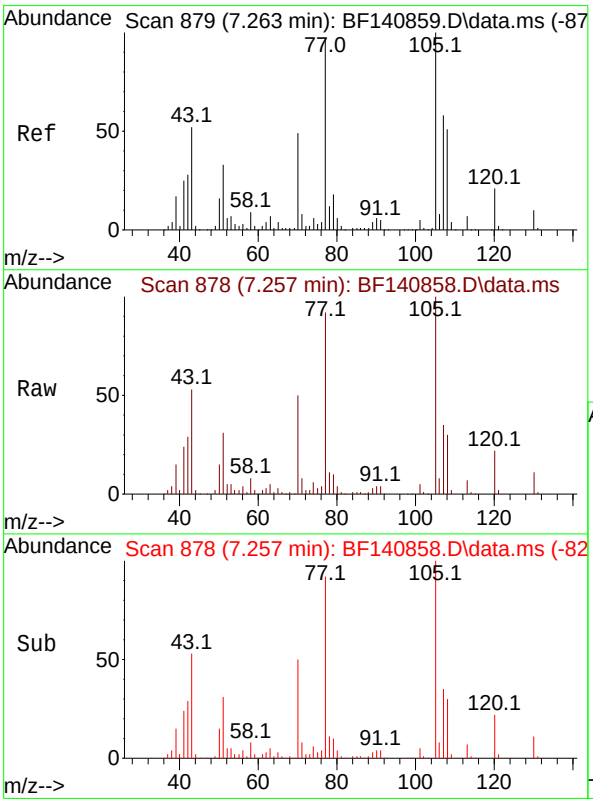

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:136 Resp: 269448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.8 | 5.6 | 8.4 |
| 68 | 4.9 | 4.2 | 6.2 |

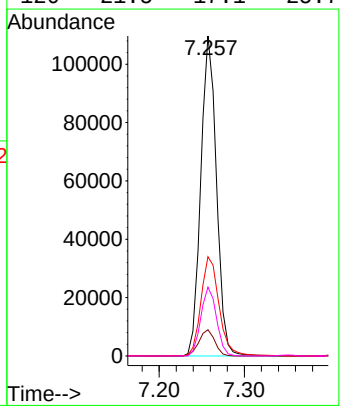


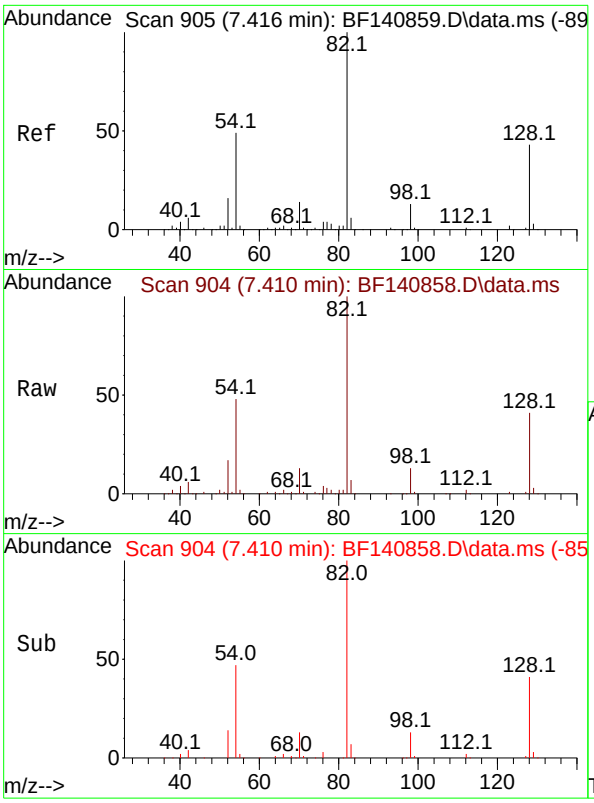




#22
Acetophenone
Concen: 20.798 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:105 Resp: 140187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 6.2 | 9.4 |
| 51 | 31.0 | 26.3 | 39.5 |
| 120 | 21.5 | 17.1 | 25.7 |



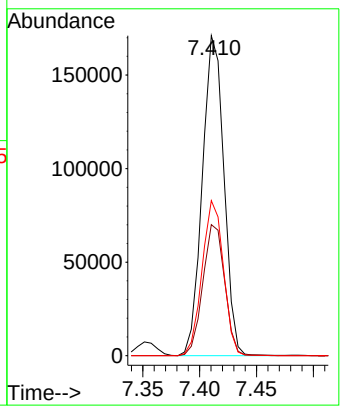


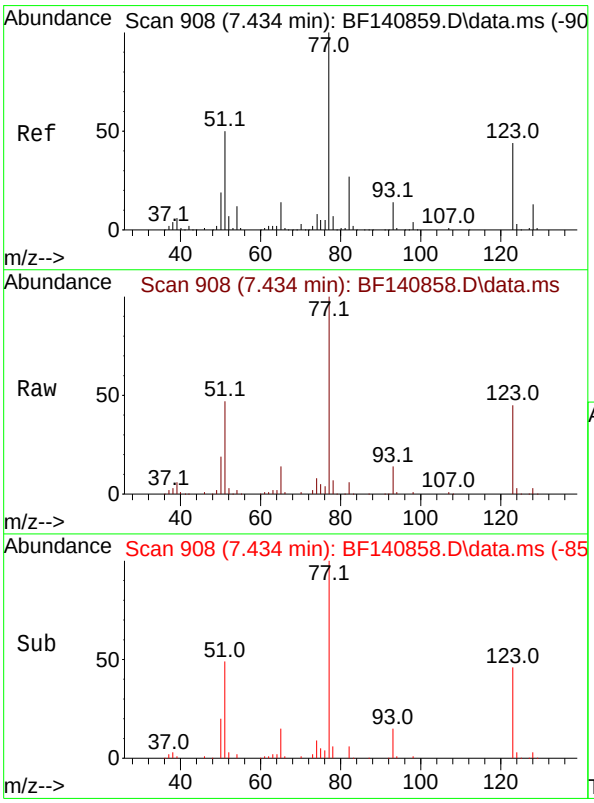

#23
Nitrobenzene-d5
Concen: 42.030 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 82 Resp: 226356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.9 | 34.4 | 51.6 |
| 54 | 48.5 | 38.8 | 58.2 |

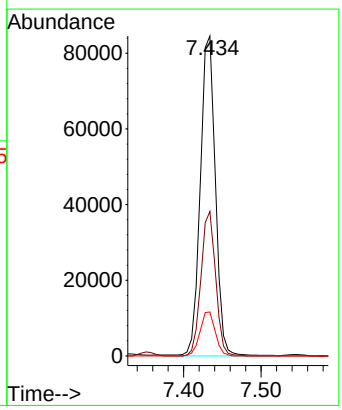


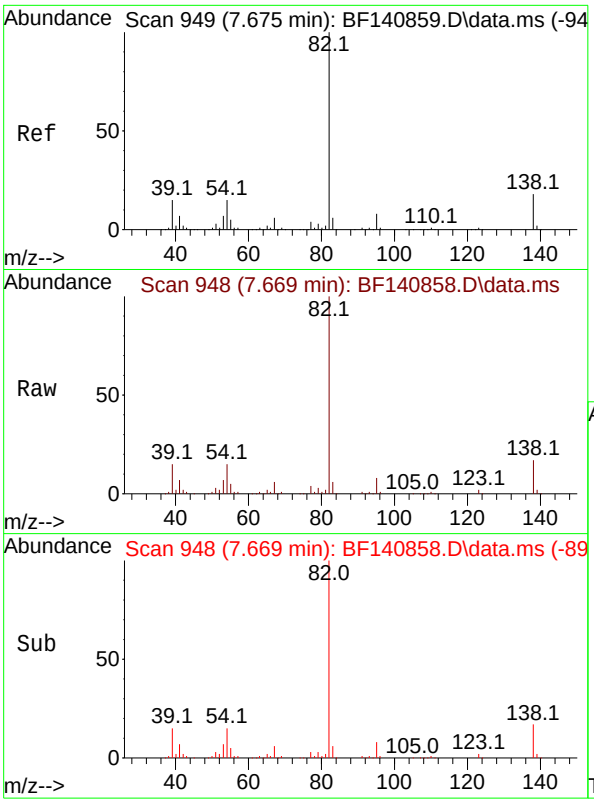




#24
Nitrobenzene
Concen: 20.750 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 77 Resp: 114486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.2 | 35.0 | 52.4 |
| 65 | 13.7 | 11.4 | 17.0 |



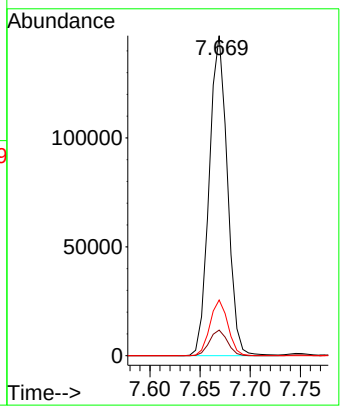


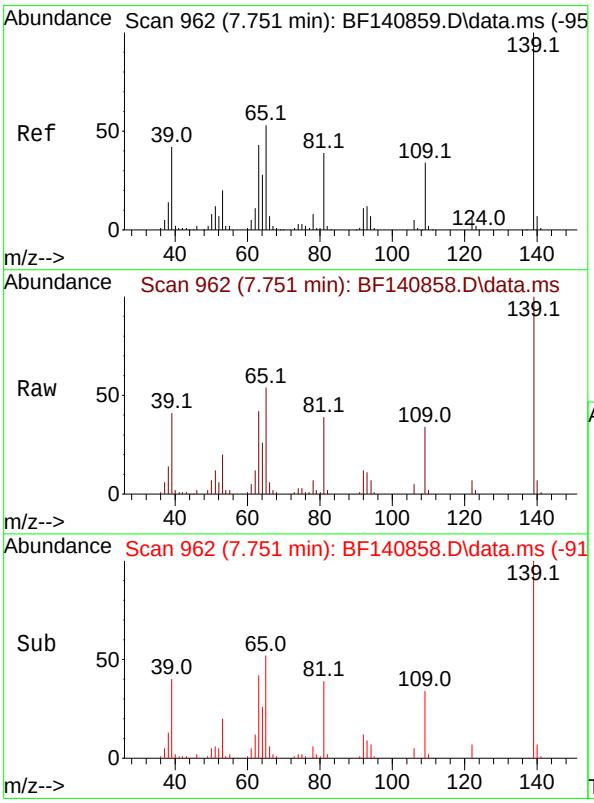

#25
Isophorone
Concen: 20.601 ng
RT: 7.669 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 82 Resp: 185900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.3 | 9.5 |
| 138 | 17.4 | 14.1 | 21.1 |

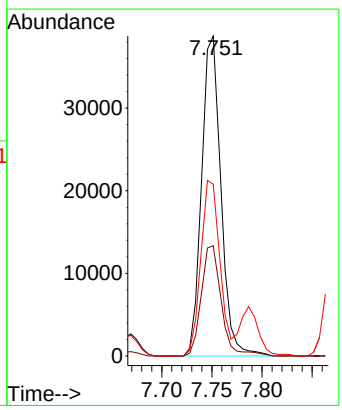


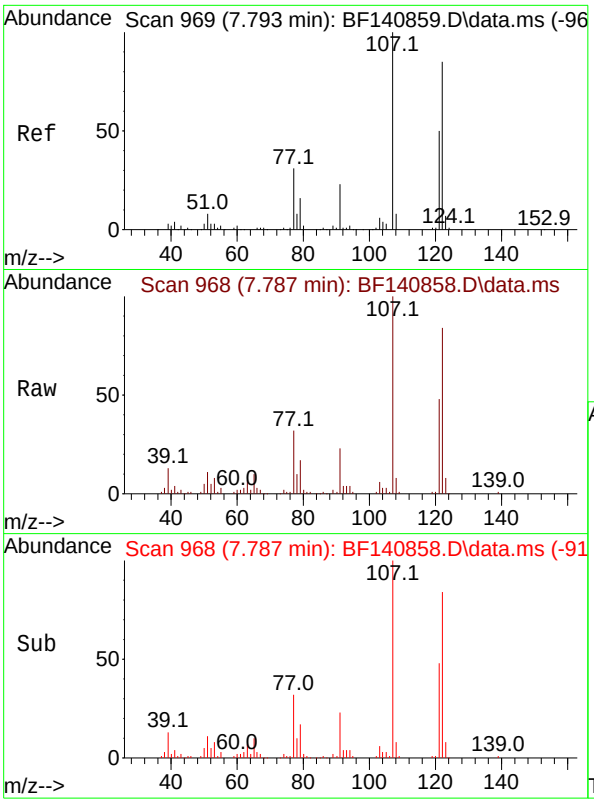




#26
2-Nitrophenol
Concen: 20.516 ng
RT: 7.751 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:139 Resp: 52133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.5 | 26.9 | 40.3 |
| 65 | 53.7 | 42.6 | 64.0 |



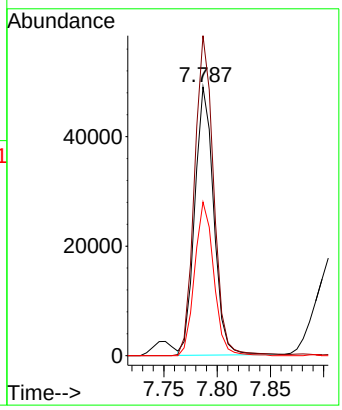


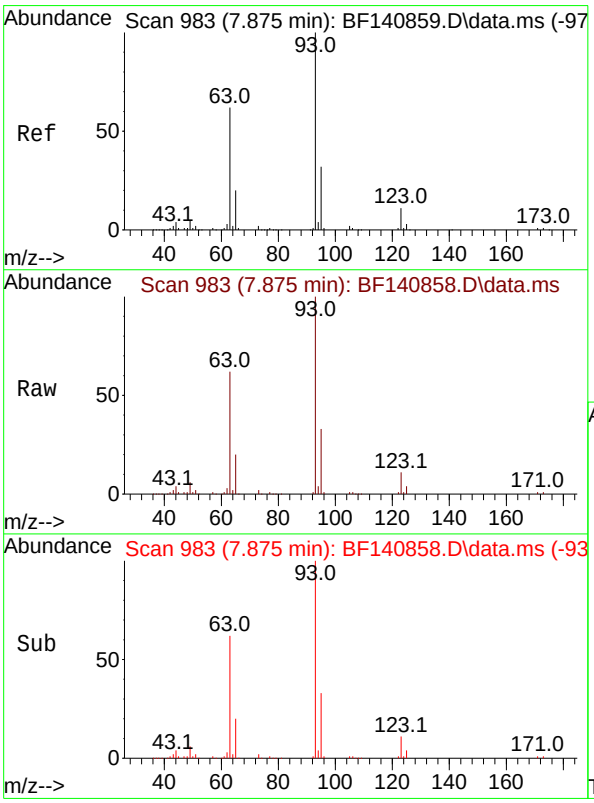

#27
2,4-Dimethylphenol
Concen: 20.471 ng
RT: 7.787 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:122 Resp: 60750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.1 | 92.6 | 139.0 |
| 121 | 57.2 | 45.8 | 68.8 |

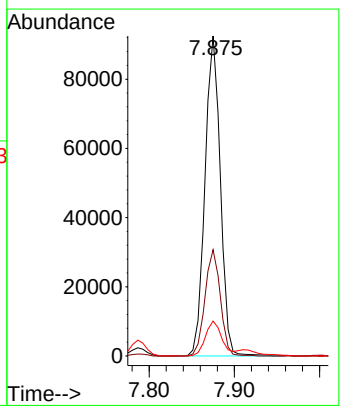


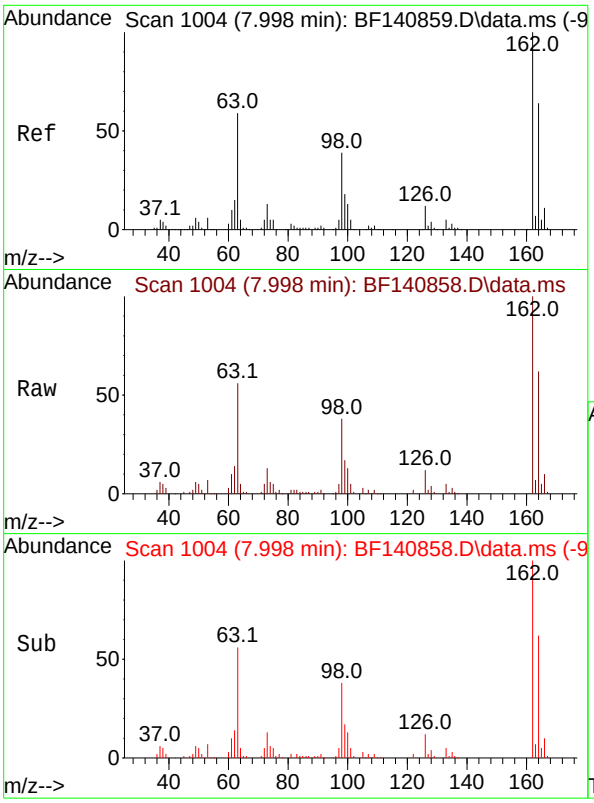




#28
bis(2-Chloroethoxy)methane
Concen: 20.512 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 93 Resp: 115605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 25.3 | 37.9 |
| 123 | 10.9 | 8.6 | 13.0 |



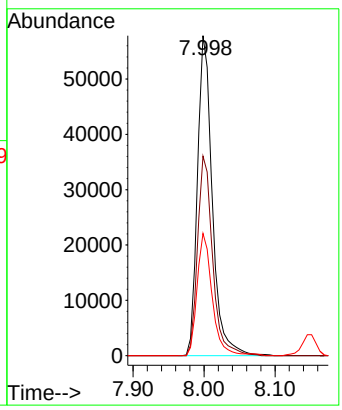


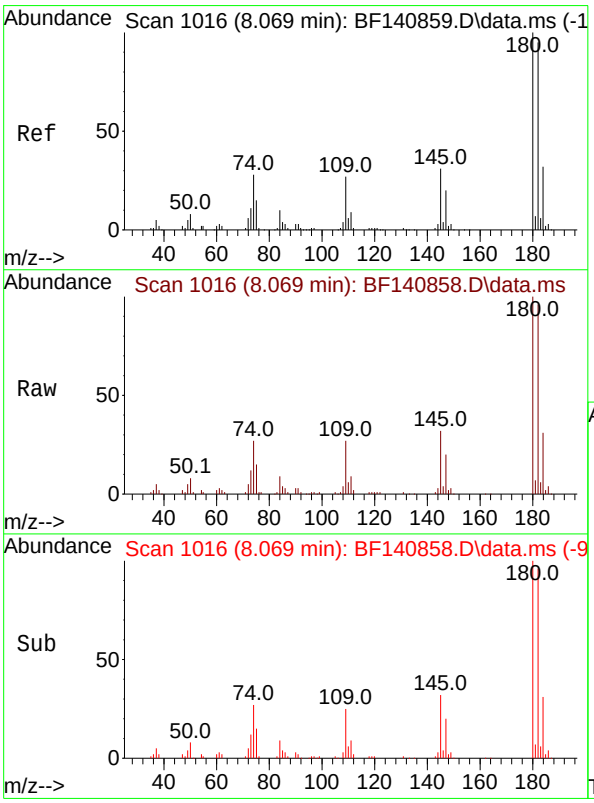

#29
2,4-Dichlorophenol
Concen: 20.575 ng
RT: 7.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:162 Resp: 84299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 43.7 | 83.7 |
| 98 | 38.2 | 18.6 | 58.6 |

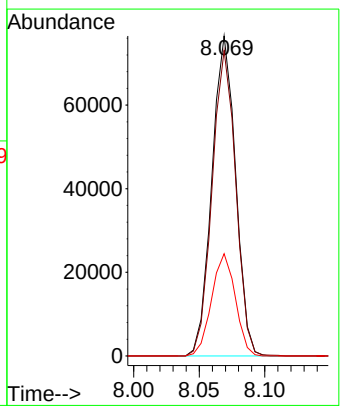


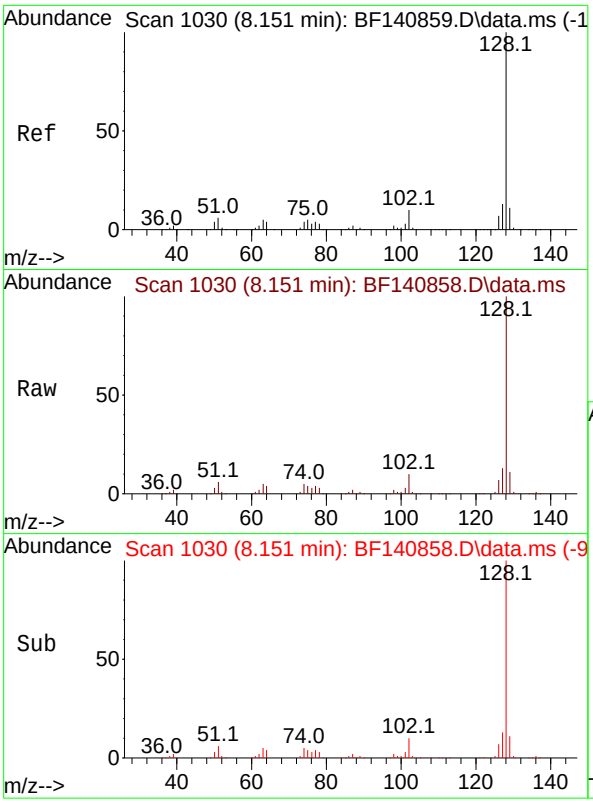




#30
1,2,4-Trichlorobenzene
Concen: 20.481 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:180 Resp: 96194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 75.8 | 113.6 |
| 145 | 31.9 | 25.2 | 37.8 |



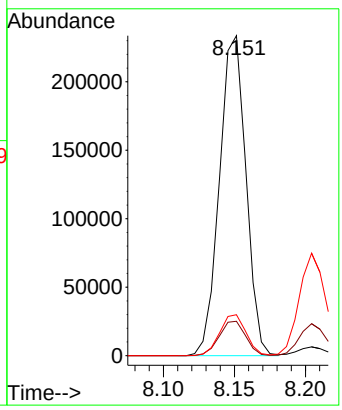


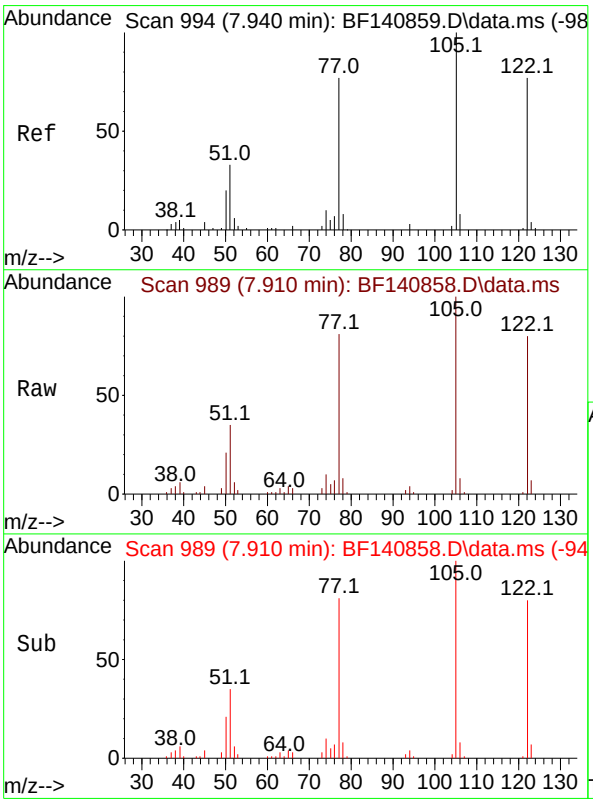

#31
Naphthalene
Concen: 20.500 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:128 Resp: 303425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 12.8 | 10.6 | 16.0 |

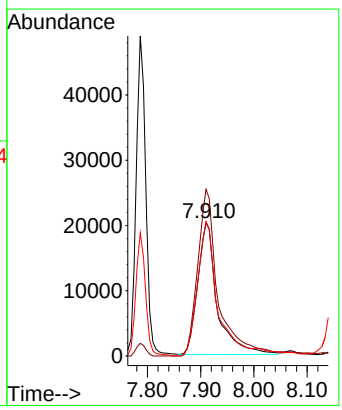


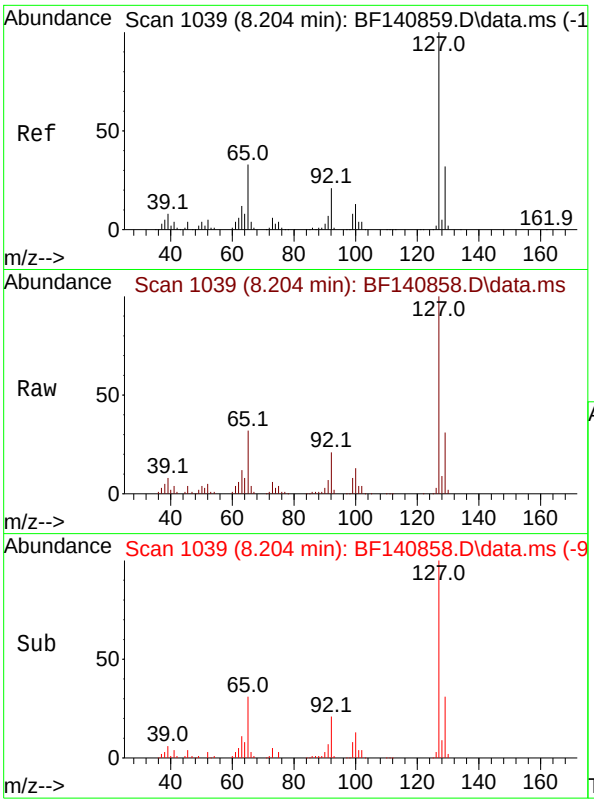




#32
Benzoic acid
Concen: 18.394 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.030 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:122 Resp: 51770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.0 | 108.3 | 148.3 |
| 77 | 100.9 | 78.8 | 118.8 |



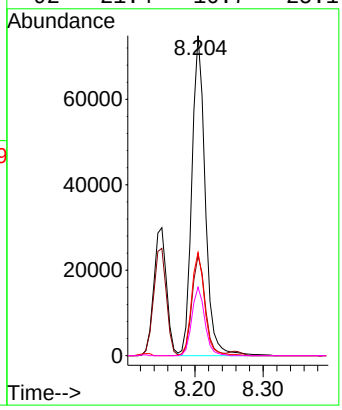


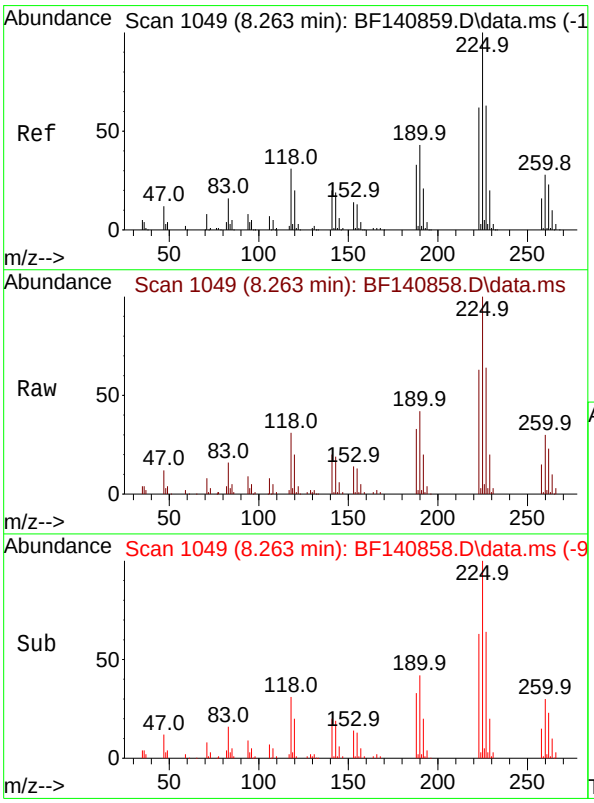

#33
4-Chloroaniline
Concen: 20.664 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:127 Resp: 101583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 26.0 | 39.0 |
| 65 | 32.3 | 26.0 | 39.0 |
| 92 | 21.4 | 16.7 | 25.1 |

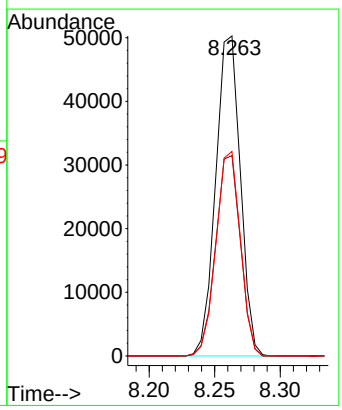


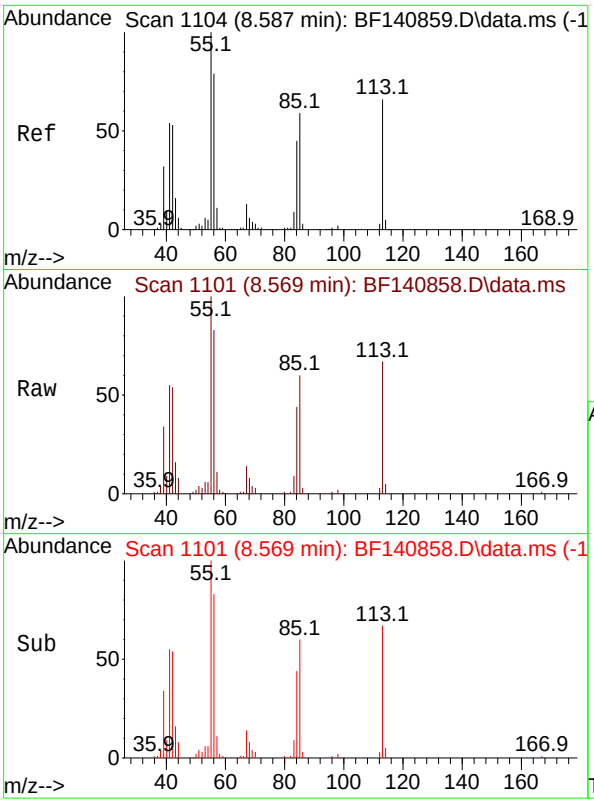




#34
Hexachlorobutadiene
Concen: 20.824 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:225 Resp: 65803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 49.6 | 74.4 |
| 227 | 63.9 | 50.7 | 76.1 |



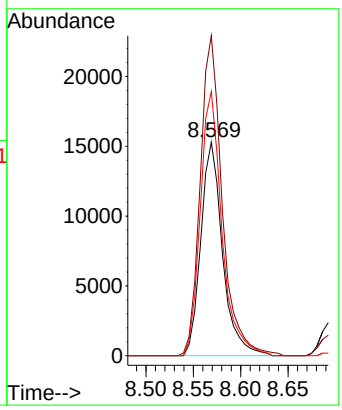


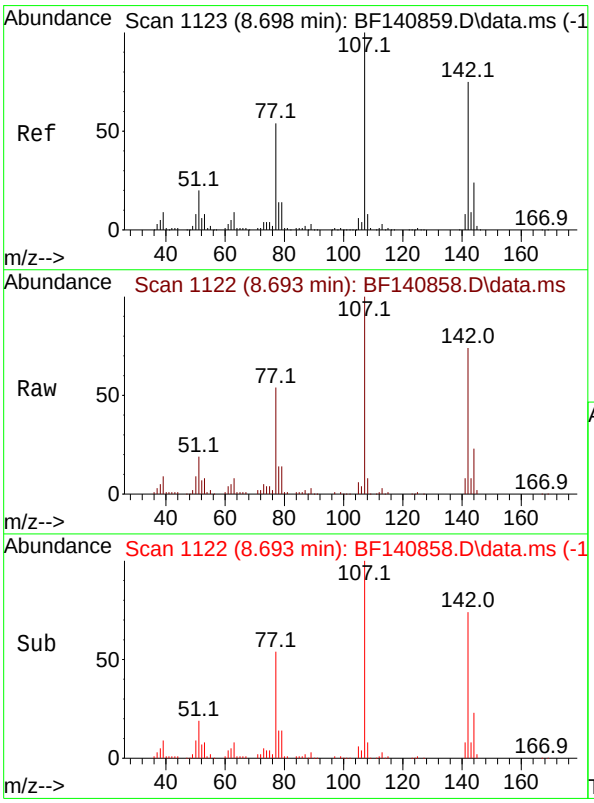

#35
Caprolactam
Concen: 19.958 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:113 Resp: 24344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 149.9 | 132.3 | 172.3 |
| 56 | 123.7 | 100.3 | 140.3 |

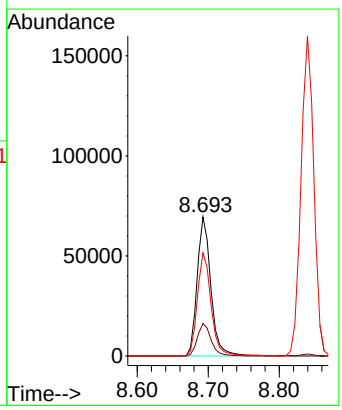


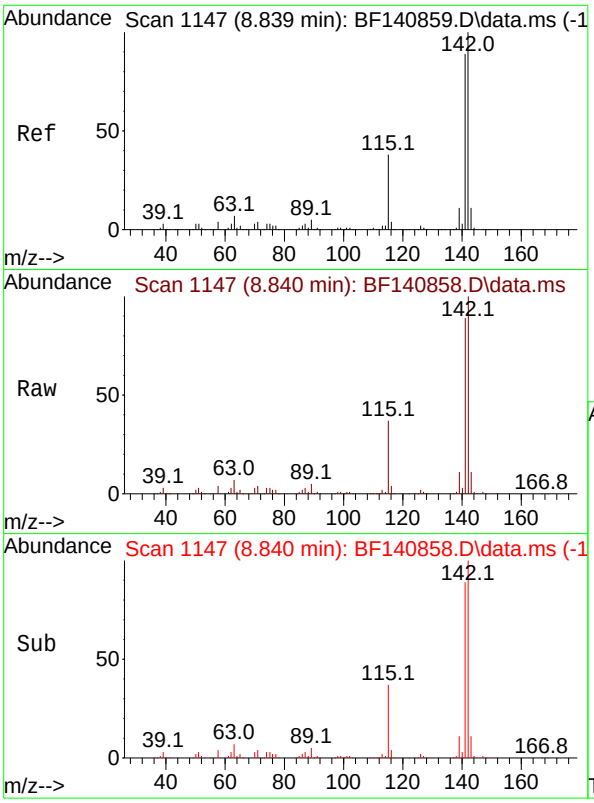




#36
4-Chloro-3-methylphenol
Concen: 20.300 ng
RT: 8.693 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:107 Resp: 93611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.4 | 19.4 | 29.2 |
| 142 | 74.1 | 60.3 | 90.5 |



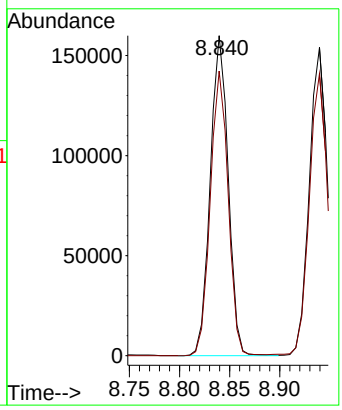


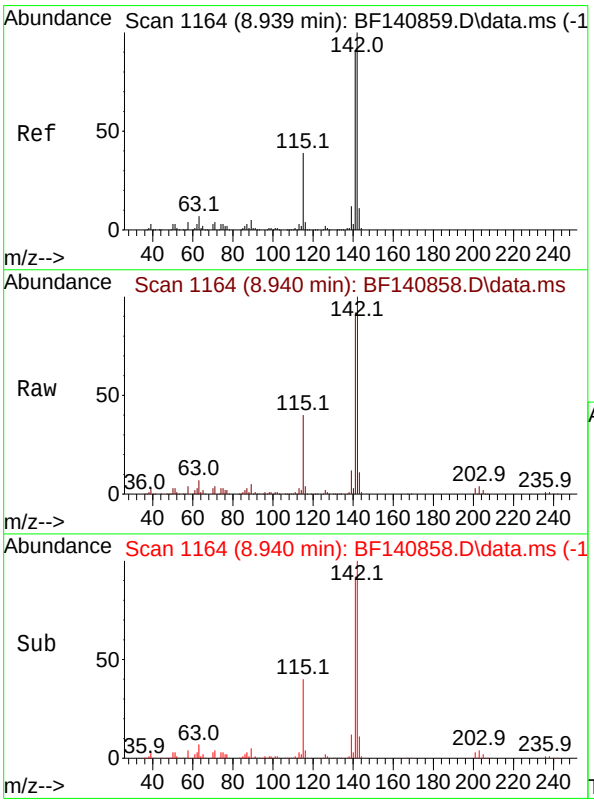

#37
2-Methylnaphthalene
Concen: 20.375 ng
RT: 8.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:142 Resp: 199492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.0 | 106.6 |

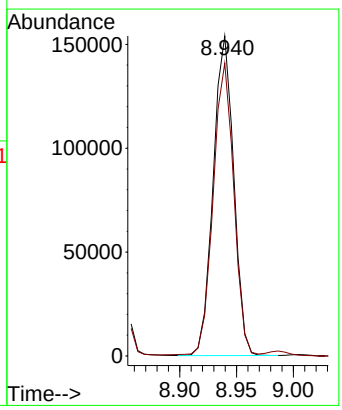


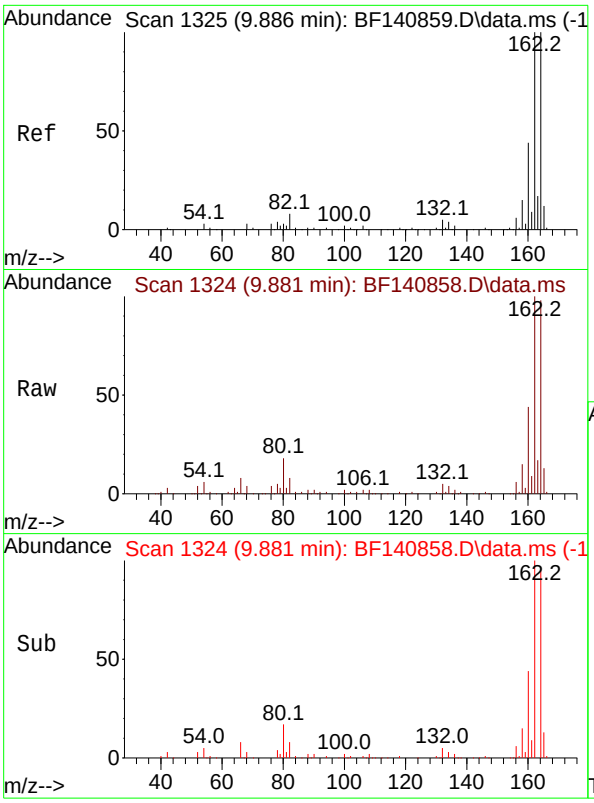




#38
1-Methylnaphthalene
Concen: 19.937 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:142 Resp: 193053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 73.4 | 110.0 |



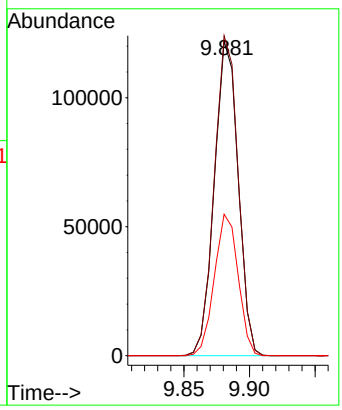


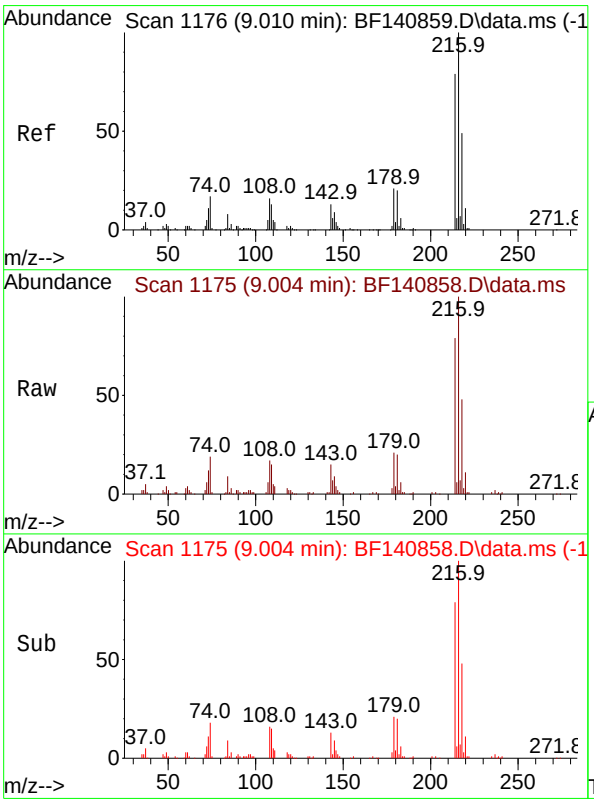

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:164 Resp: 153586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 79.9 | 119.9 |
| 160 | 45.0 | 35.2 | 52.8 |

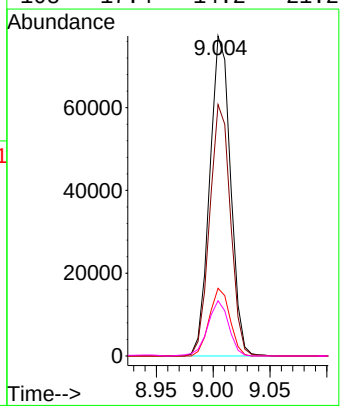


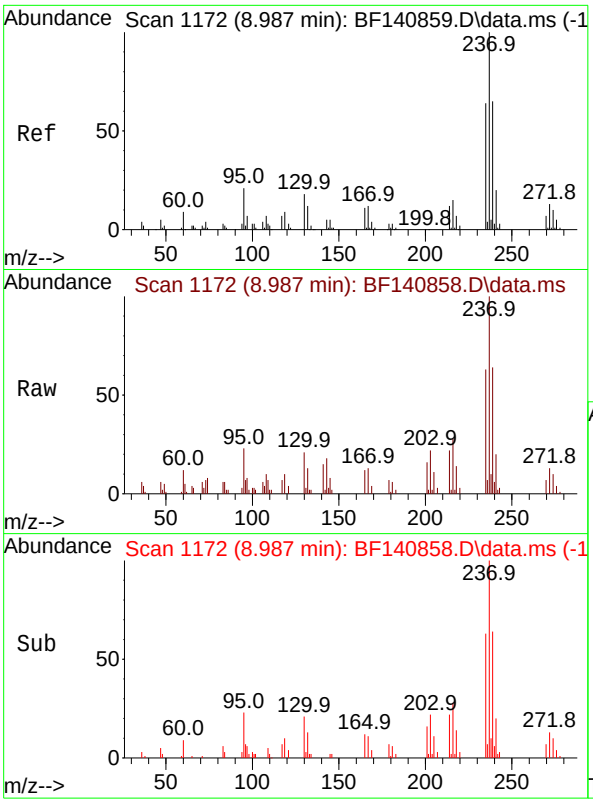




#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.869 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:216 Resp: 98517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 17.4 | 14.2 | 21.2 |



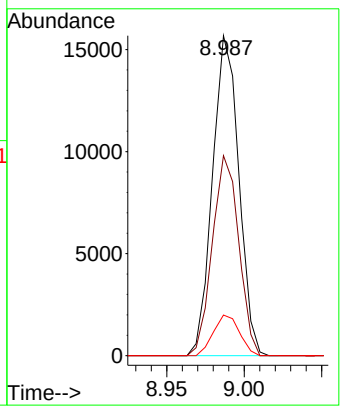


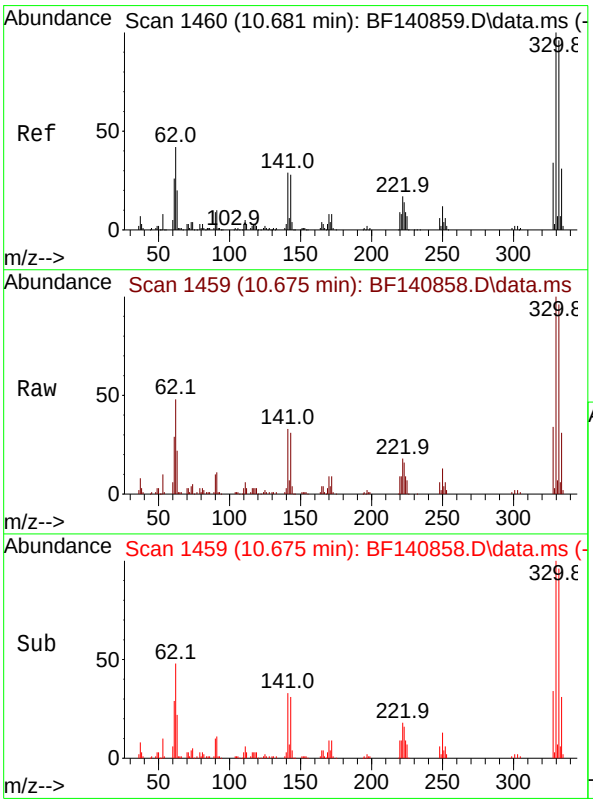

#41
Hexachlorocyclopentadiene
Concen: 21.391 ng
RT: 8.987 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:237 Resp: 18486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 43.7 | 83.7 |
| 272 | 12.7 | 0.0 | 32.9 |

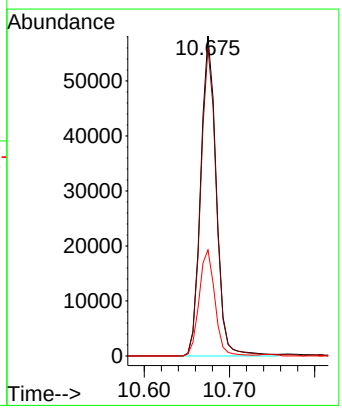


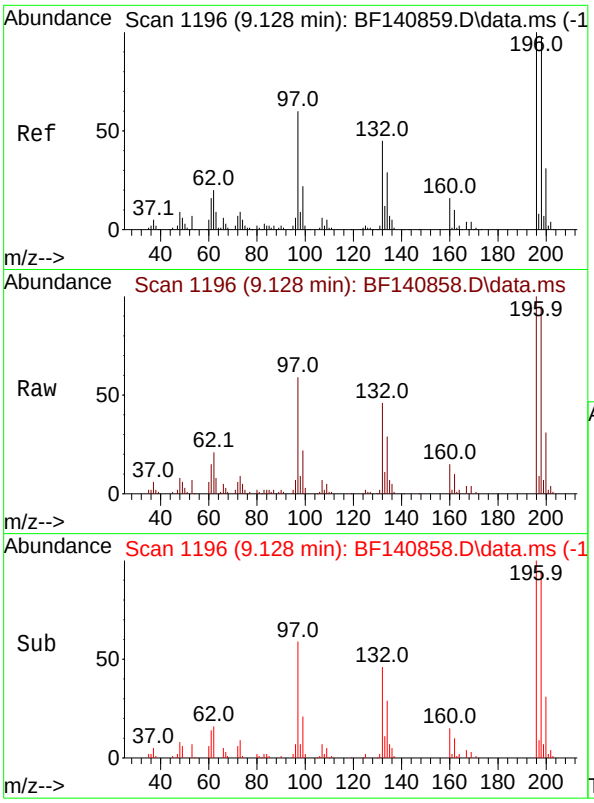




#42
2,4,6-Tribromophenol
Concen: 40.909 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:330 Resp: 74311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.2 | 114.4 |
| 141 | 33.3 | 24.9 | 37.3 |



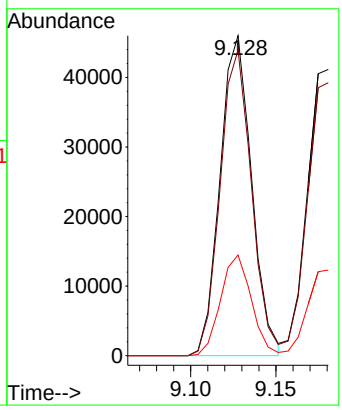


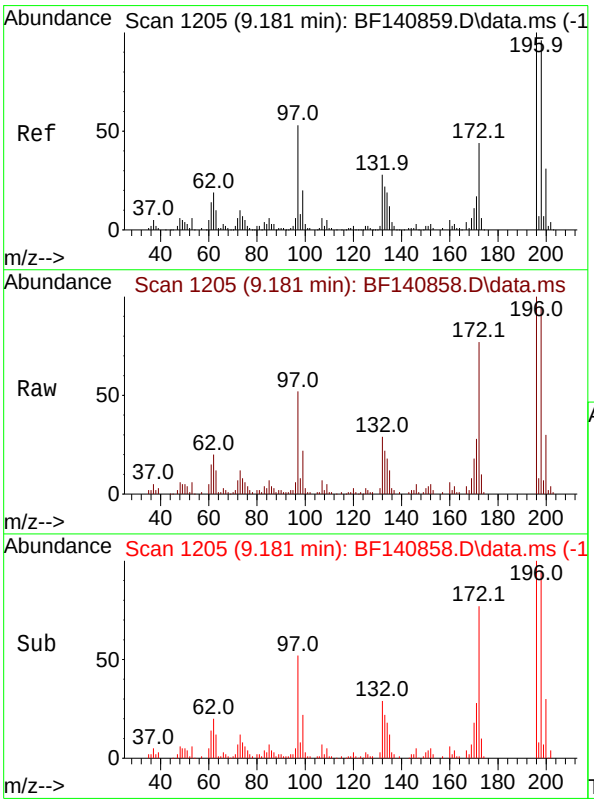

#43
2,4,6-Trichlorophenol
Concen: 20.509 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:196 Resp: 59284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 77.4 | 116.0 |
| 200 | 31.5 | 24.5 | 36.7 |

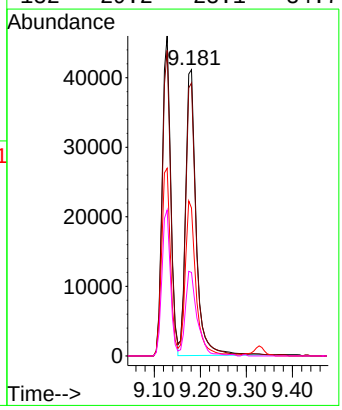


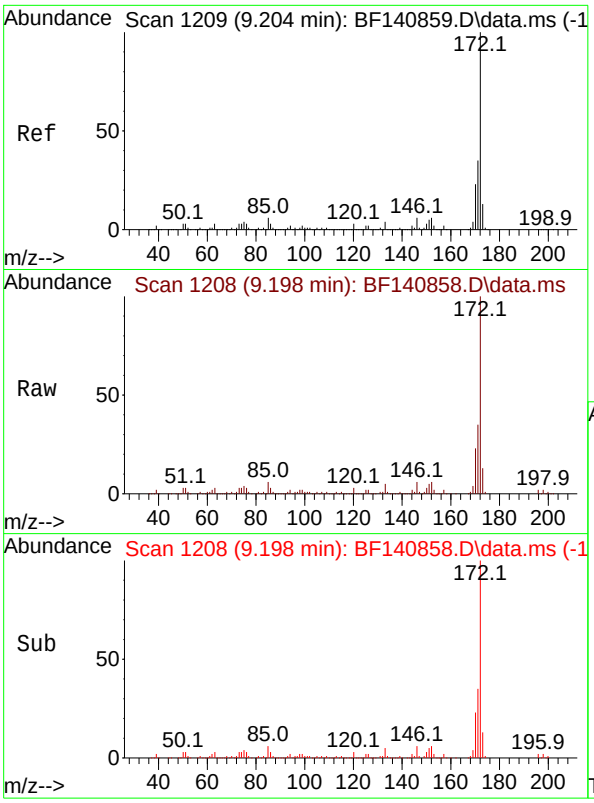




#44
2,4,5-Trichlorophenol
Concen: 20.600 ng
RT: 9.181 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:196 Resp: 65450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 77.2 | 115.8 |
| 97 | 51.7 | 42.2 | 63.4 |
| 132 | 29.2 | 23.1 | 34.7 |



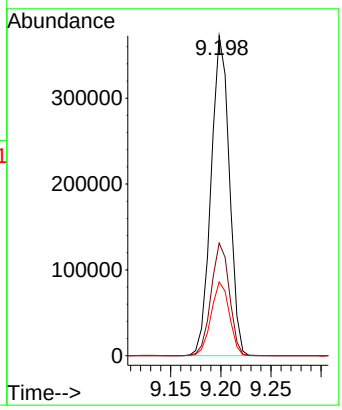


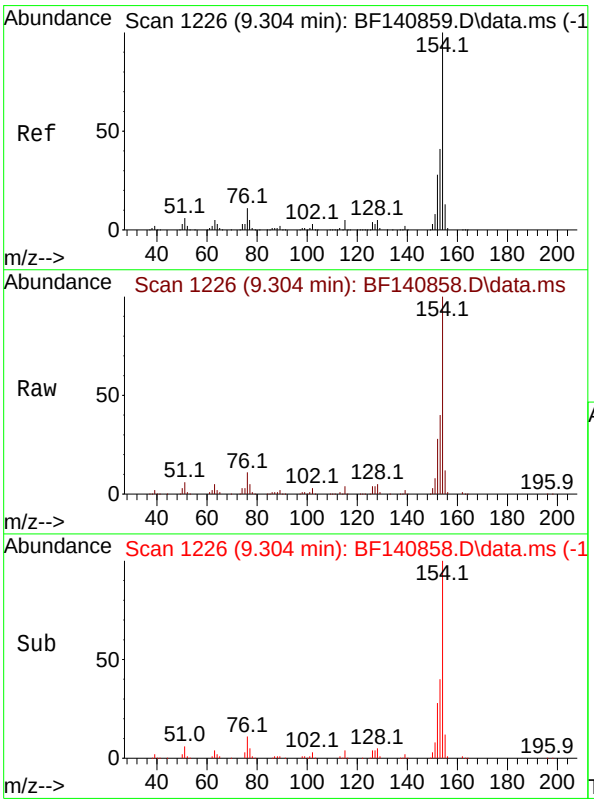

#45
2-Fluorobiphenyl
Concen: 42.281 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:172 Resp: 472330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.1 | 18.6 | 28.0 |

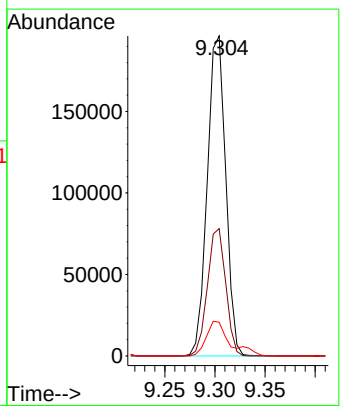


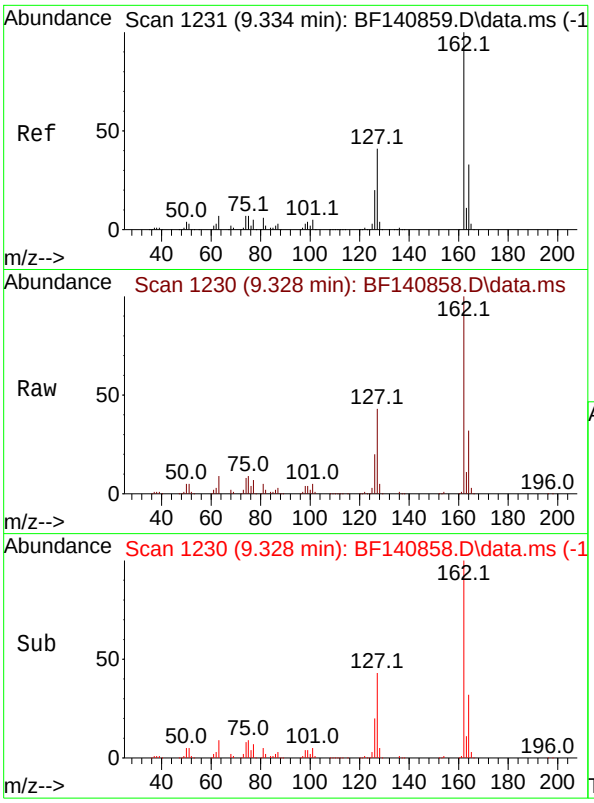




#46
1,1'-Biphenyl
Concen: 20.606 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:154 Resp: 251662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.8 | 60.8 |
| 76 | 10.5 | 0.0 | 31.0 |



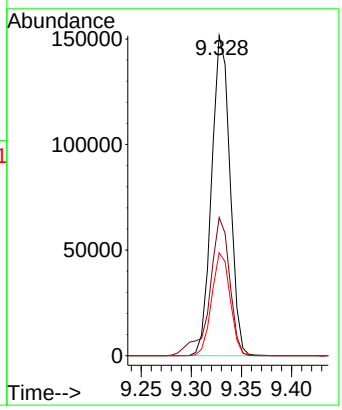


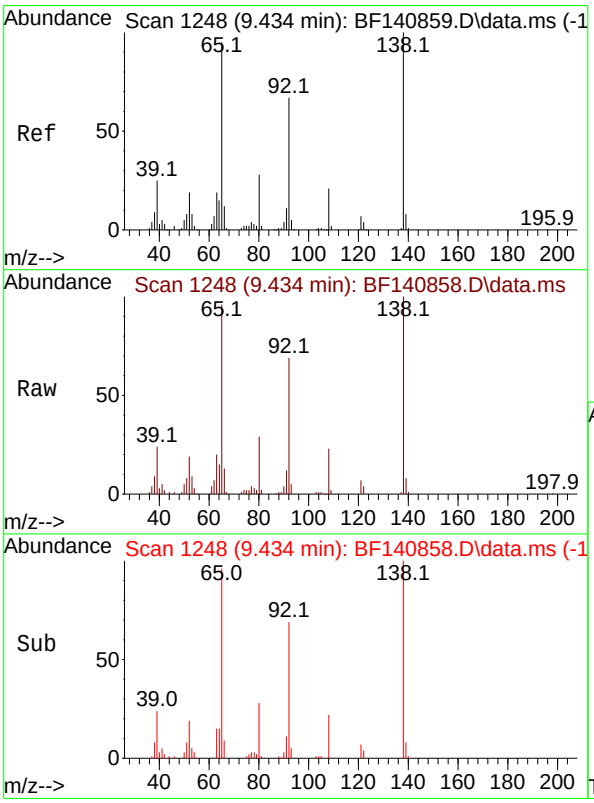

#47
2-Chloronaphthalene
Concen: 20.615 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:162 Resp: 192611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.2 | 33.5 | 50.3 |
| 164 | 32.1 | 26.2 | 39.2 |

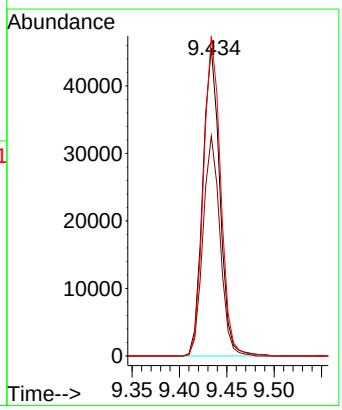


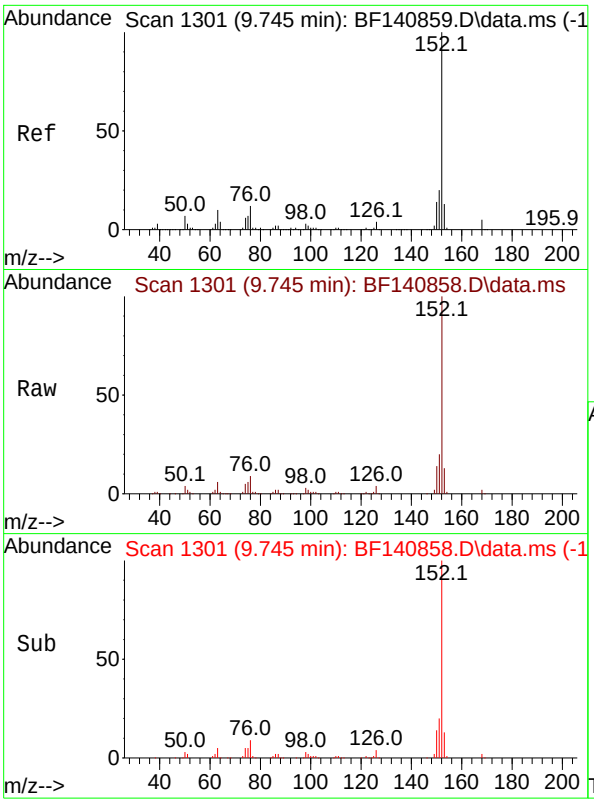




#48
2-Nitroaniline
Concen: 20.250 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 65 Resp: 57140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.4 | 56.3 | 84.5 |
| 138 | 103.9 | 83.8 | 125.6 |



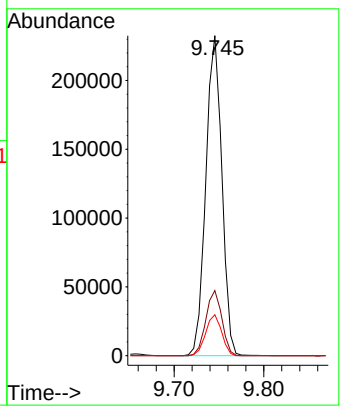


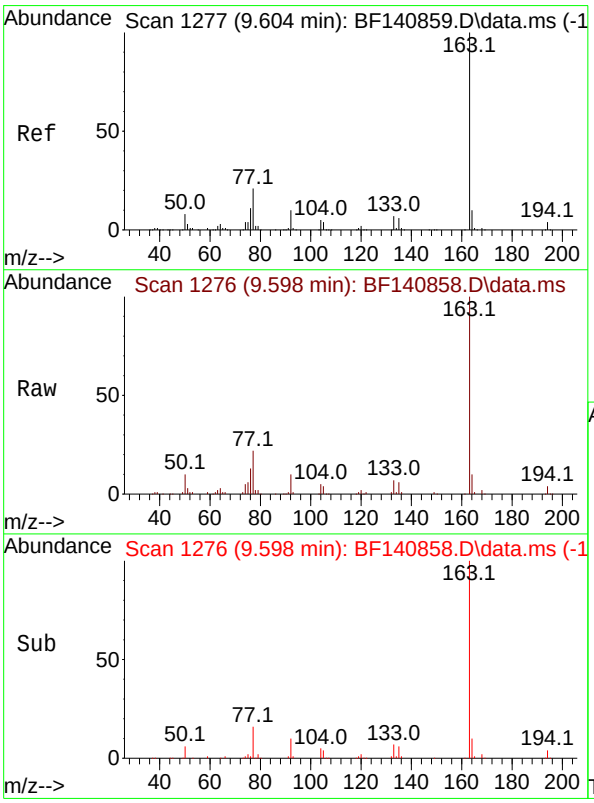

#49
Acenaphthylene
Concen: 21.027 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:152 Resp: 288710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 12.8 | 10.6 | 16.0 |

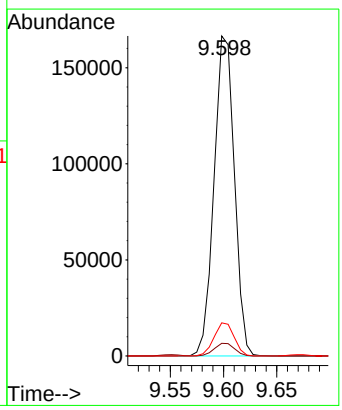


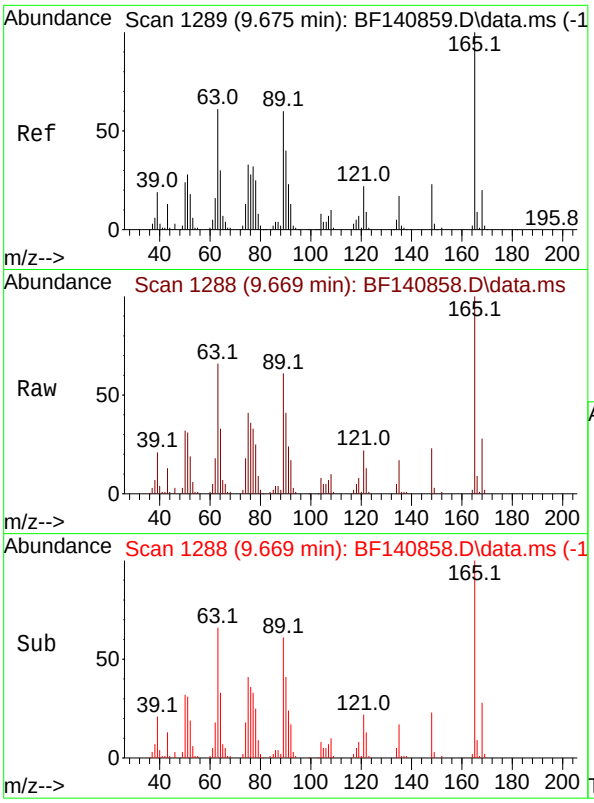




#50
Dimethylphthalate
Concen: 20.399 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:163 Resp: 220880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.3 | 8.1 | 12.1 |



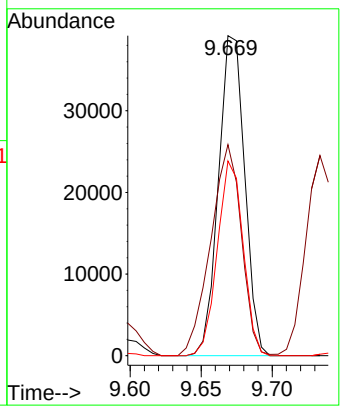


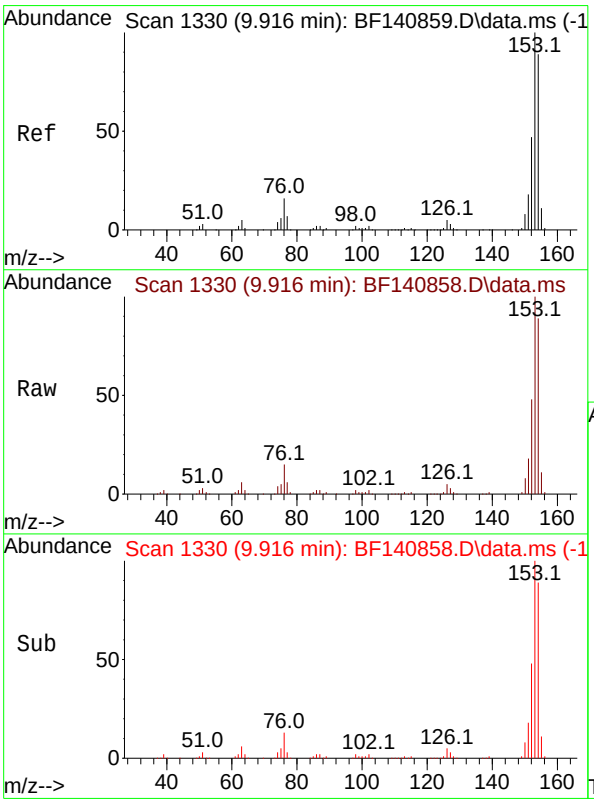

#51
2,6-Dinitrotoluene
Concen: 20.321 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:165 Resp: 50302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 66.0 | 49.7 | 74.5 |
| 89 | 60.9 | 48.2 | 72.4 |

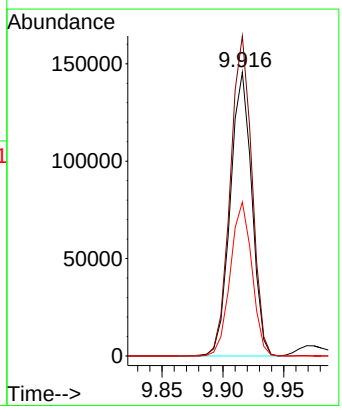


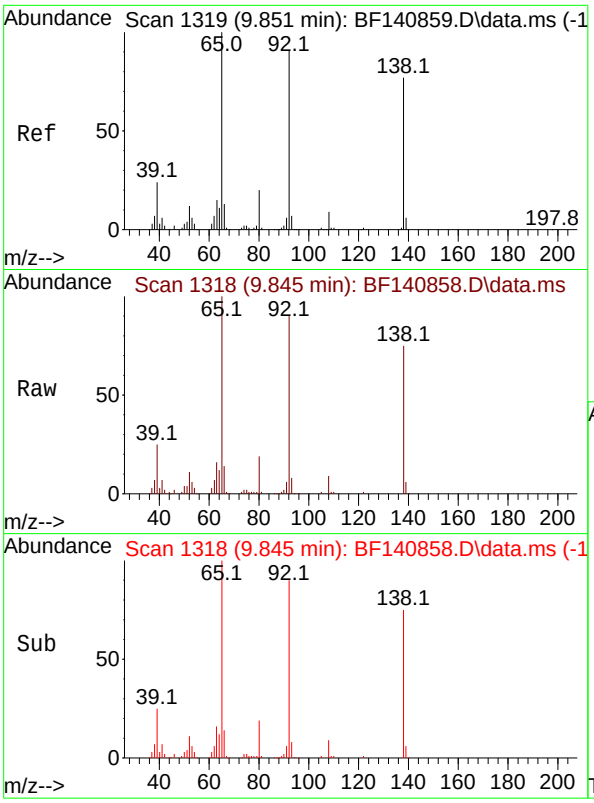




#52
Acenaphthene
Concen: 20.422 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:154 Resp: 179112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 89.9 | 134.9 |
| 152 | 54.2 | 42.6 | 63.8 |



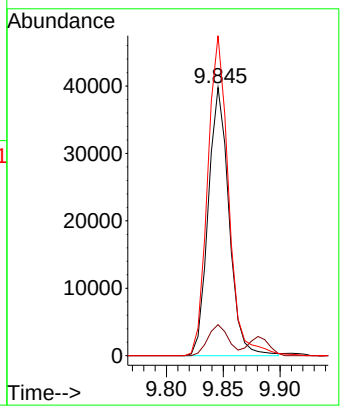


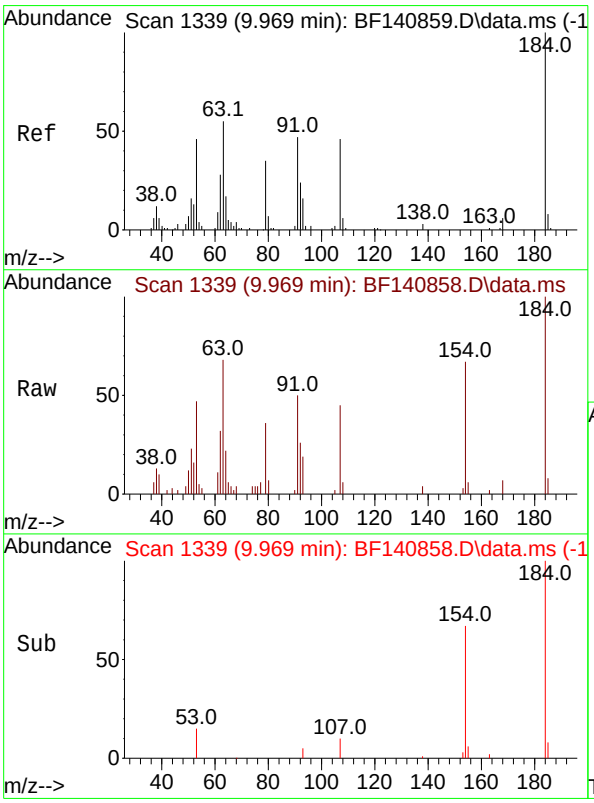

#53
3-Nitroaniline
Concen: 20.538 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:138 Resp: 50453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.0 | 13.4 |
| 92 | 119.3 | 95.5 | 143.3 |

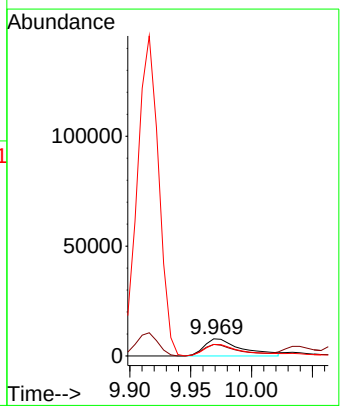


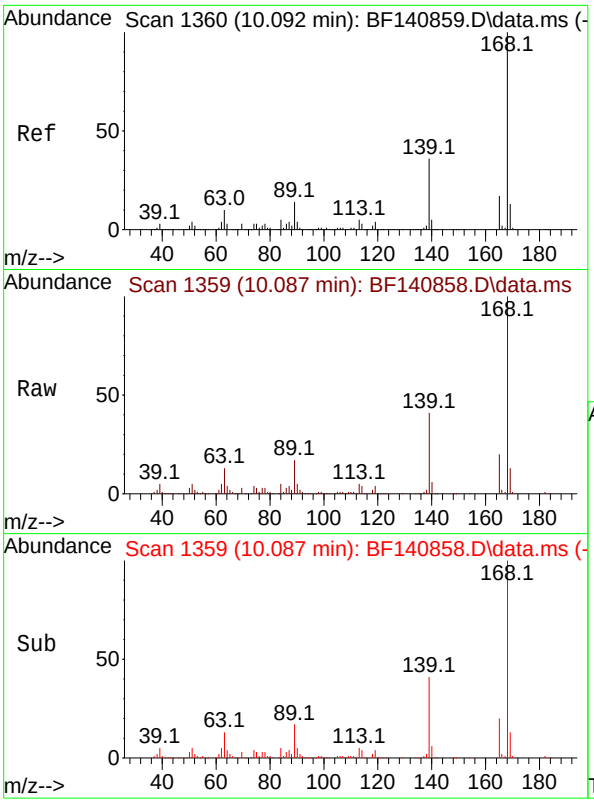




#54
2,4-Dinitrophenol
Concen: 19.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:184 Resp: 16571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.6 | 51.6 | 77.4 |
| 154 | 67.1 | 56.1 | 84.1 |



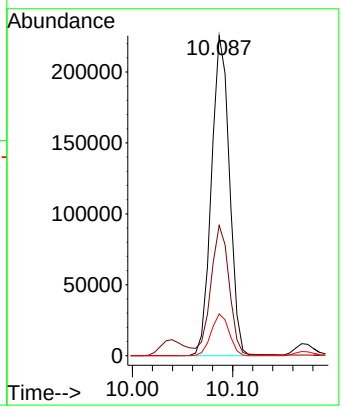


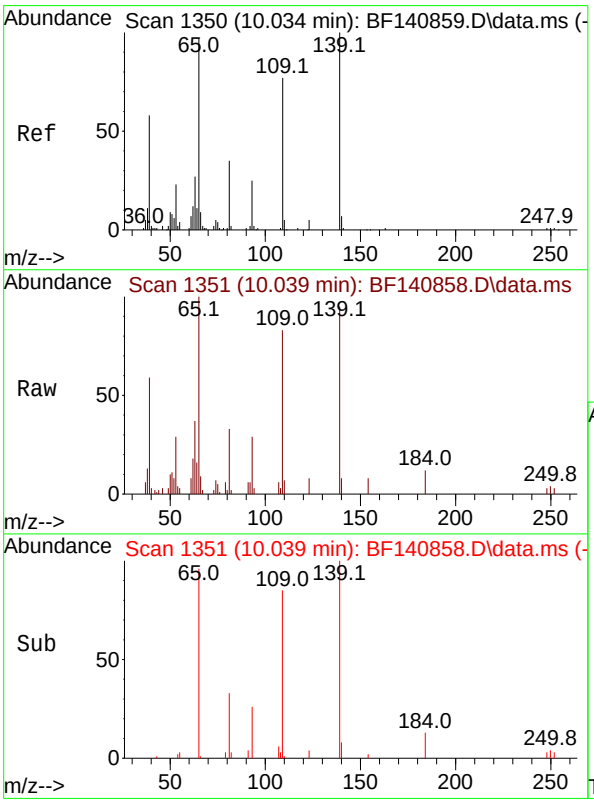

#55
Dibenzofuran
Concen: 20.683 ng
RT: 10.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:168 Resp: 281092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.7 | 31.1 | 46.7 |
| 169 | 13.1 | 10.6 | 16.0 |

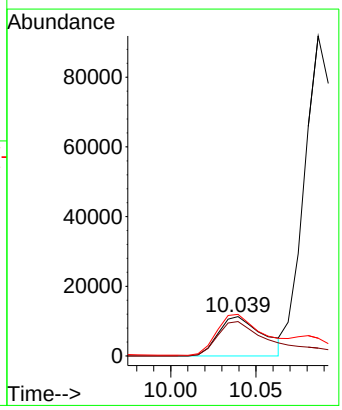


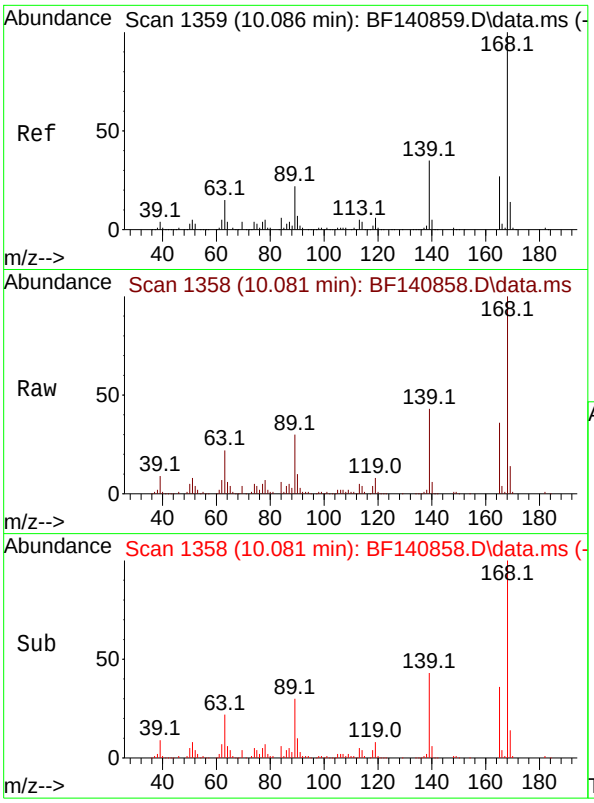




#56
4-Nitrophenol
Concen: 19.017 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:139 Resp: 20392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 87.3 | 56.7 | 96.7 |
| 65 | 105.5 | 78.1 | 118.1 |



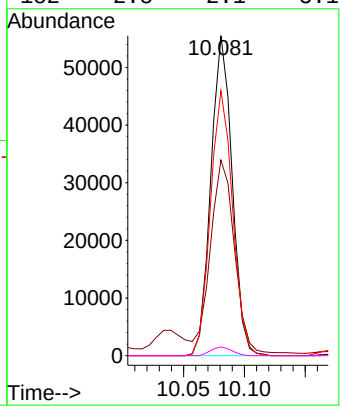


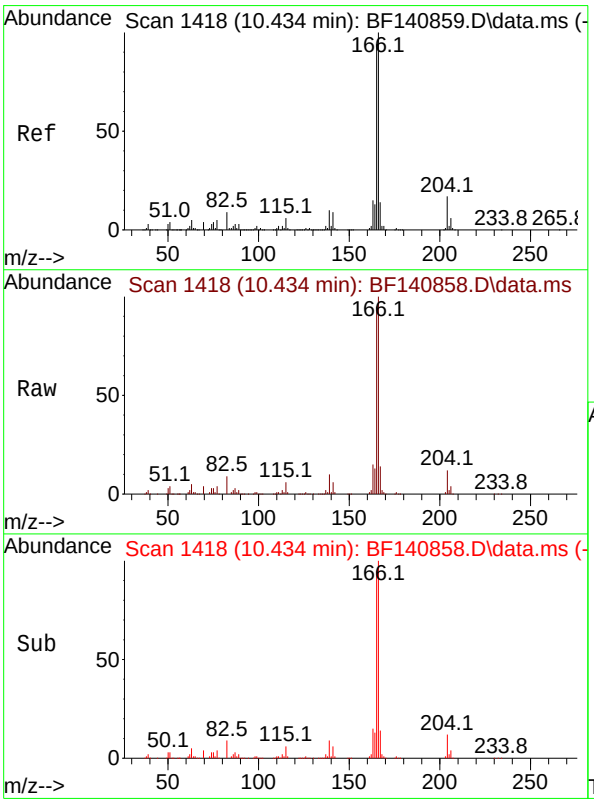

#57
2,4-Dinitrotoluene
Concen: 20.746 ng
RT: 10.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:165 Resp: 67570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.1 | 49.3 | 73.9 |
| 89 | 82.8 | 66.2 | 99.4 |
| 182 | 2.8 | 2.1 | 3.1 |

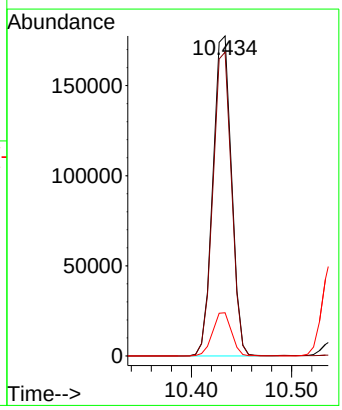


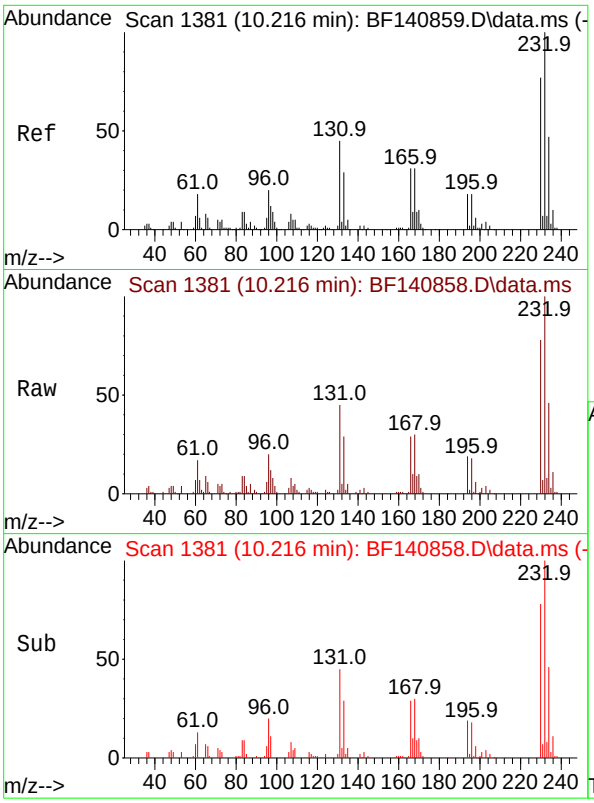




#58
Fluorene
Concen: 20.439 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:166 Resp: 229160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.0 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |



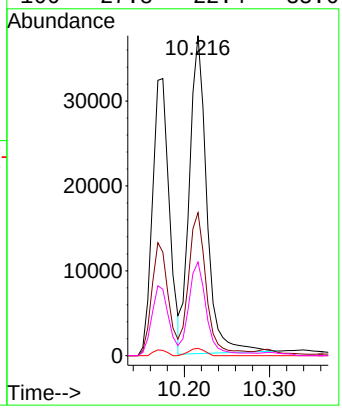


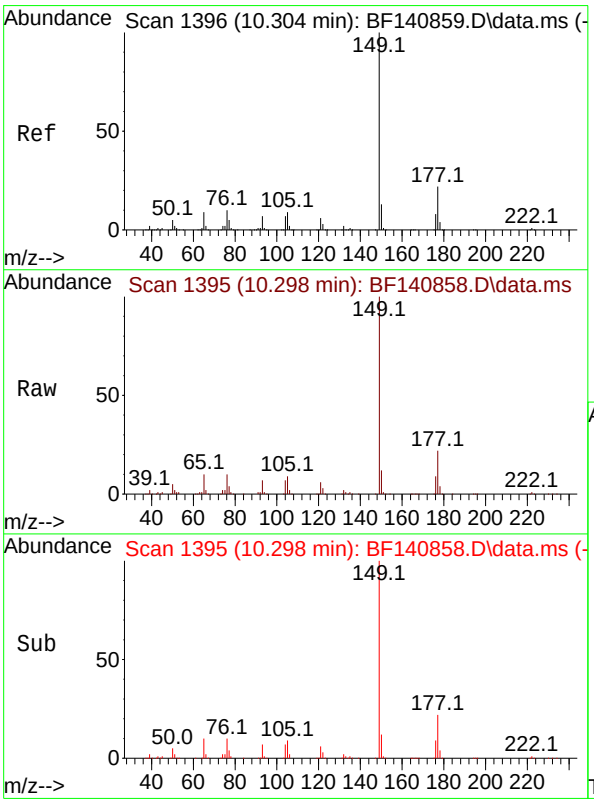

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.459 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:232 Resp: 52966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 27.8 | 22.4 | 33.6 |

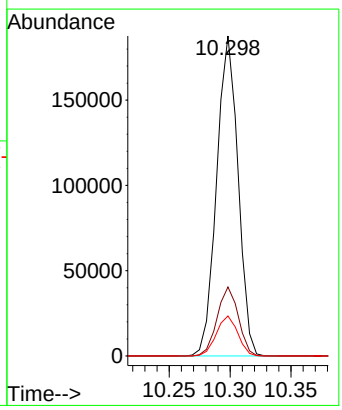


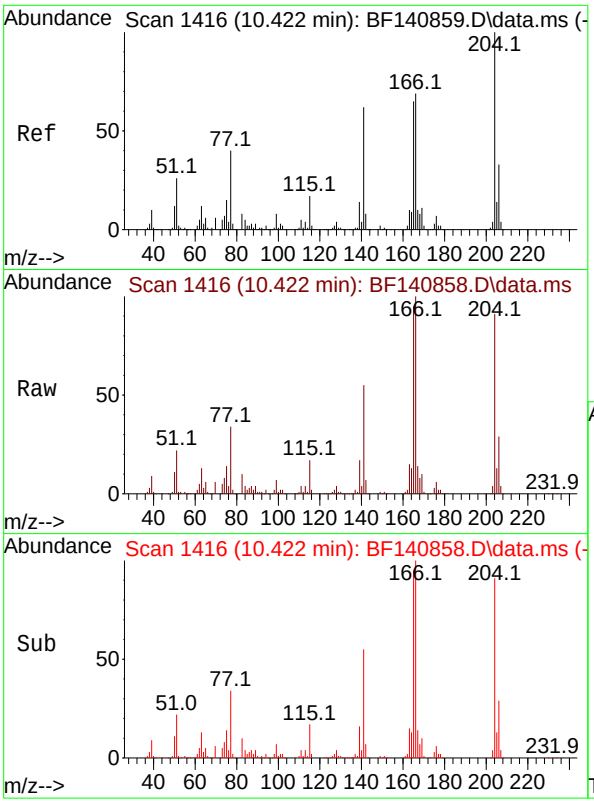




#60
Diethylphthalate
Concen: 20.466 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 229798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |



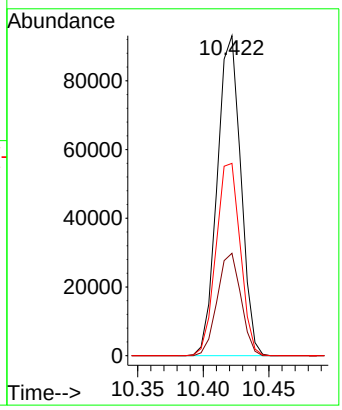


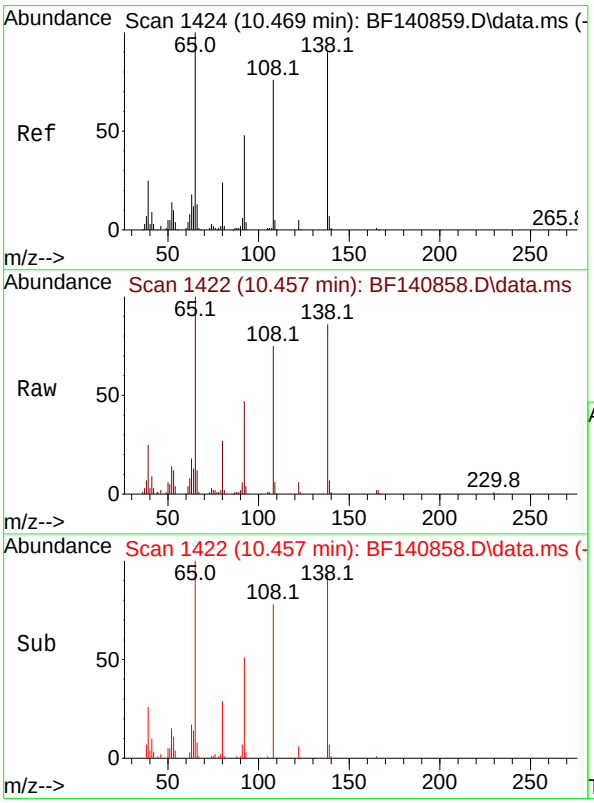

#61
4-Chlorophenyl-phenylether
Concen: 20.693 ng
RT: 10.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:204 Resp: 116545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 26.5 | 39.7 |
| 141 | 60.1 | 50.0 | 75.0 |

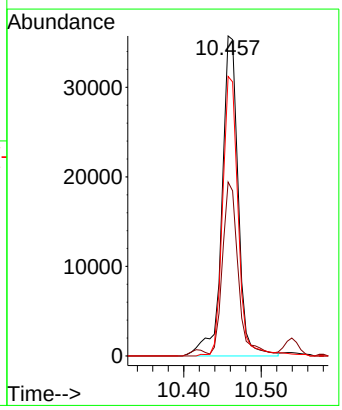


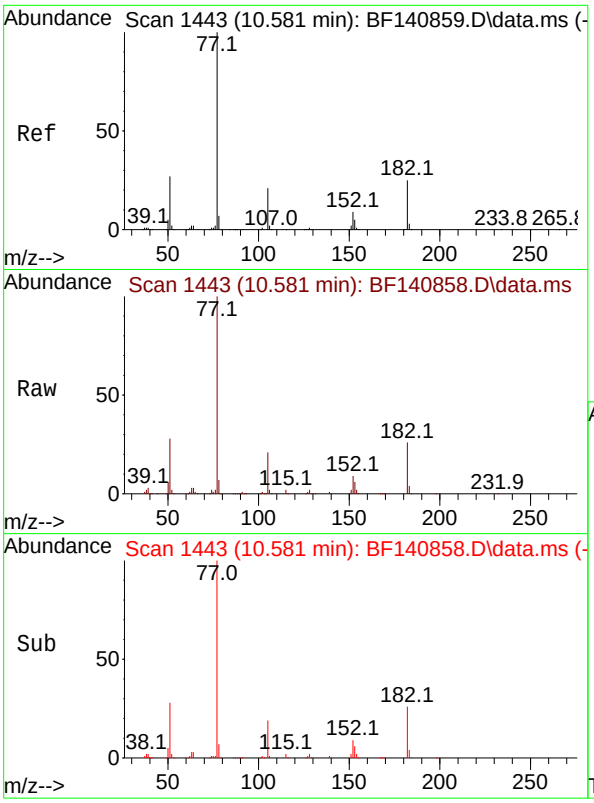




#62
4-Nitroaniline
Concen: 20.263 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:138 Resp: 52016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 54.4 | 32.6 | 72.6 |
| 108 | 87.4 | 64.1 | 104.1 |



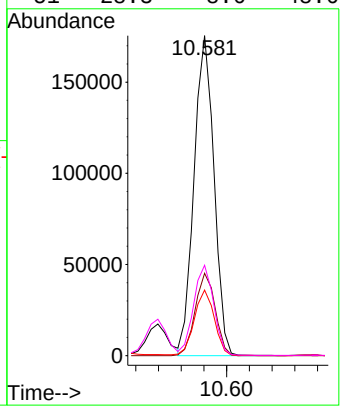


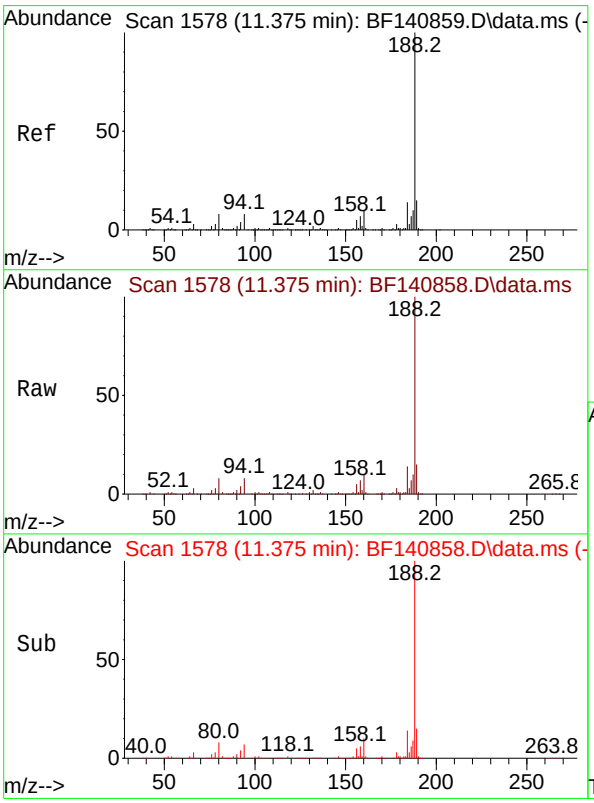

#63
Azobenzene
Concen: 20.286 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion: 77 Resp: 214137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.8 | 4.5 | 44.5 |
| 105 | 20.5 | 0.9 | 40.9 |
| 51 | 28.3 | 8.6 | 48.6 |

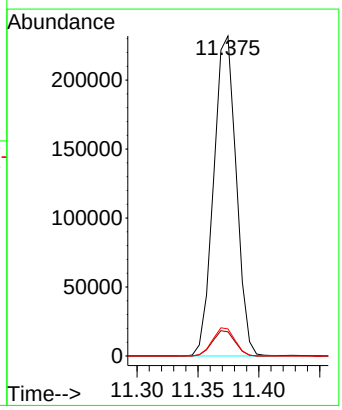


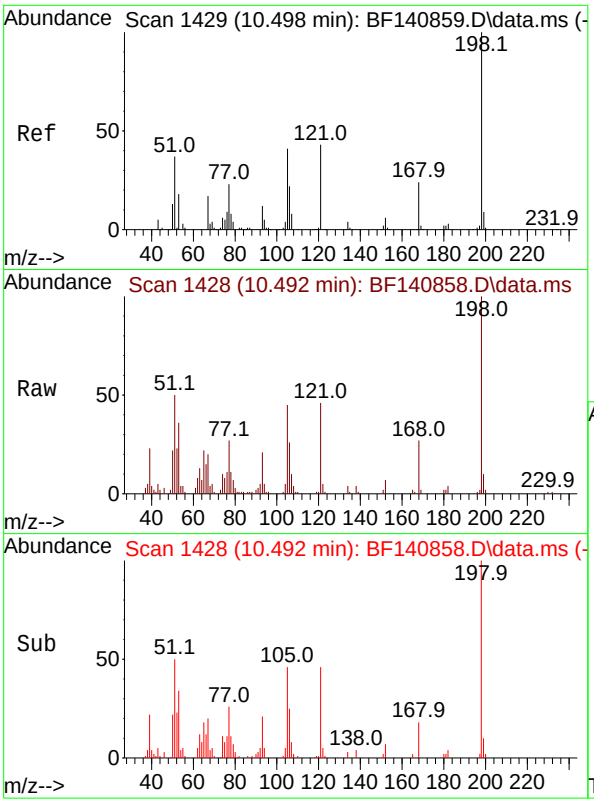




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:188 Resp: 299699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.4 | 9.6 |
| 80 | 8.4 | 6.8 | 10.2 |



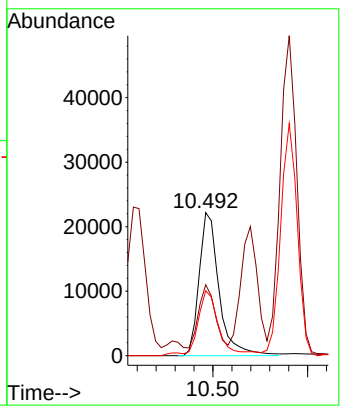


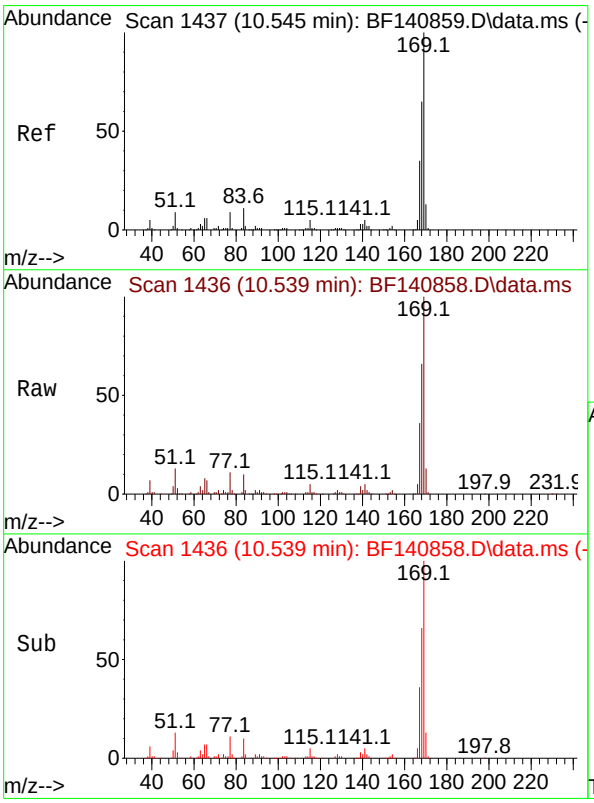

#65
4,6-Dinitro-2-methylphenol
Concen: 19.149 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:198 Resp: 32520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 49.6 | 24.4 | 64.4 |
| 105 | 45.4 | 22.1 | 62.1 |

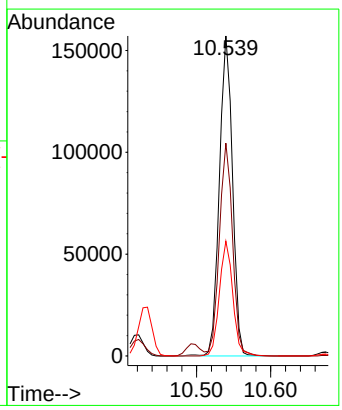


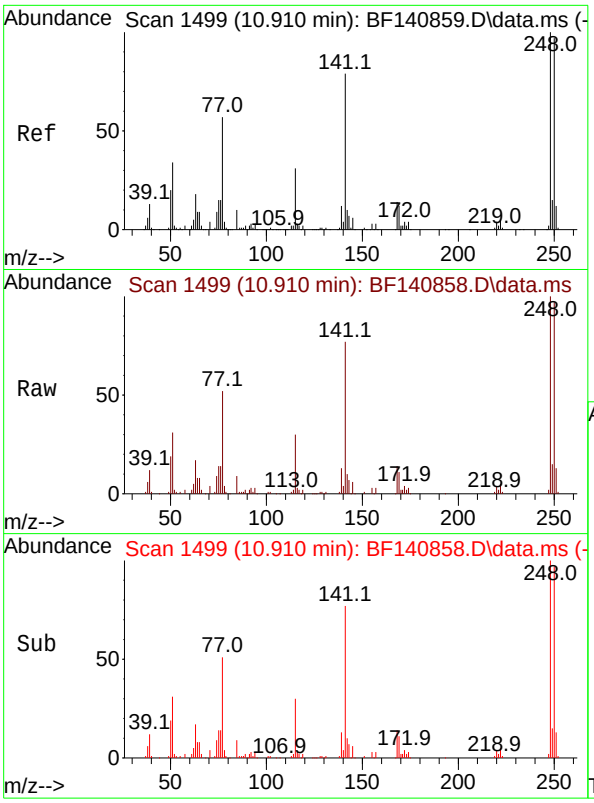




#66
n-Nitrosodiphenylamine
Concen: 20.932 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:169 Resp: 192873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.4 | 80.0 |
| 167 | 35.9 | 28.3 | 42.5 |



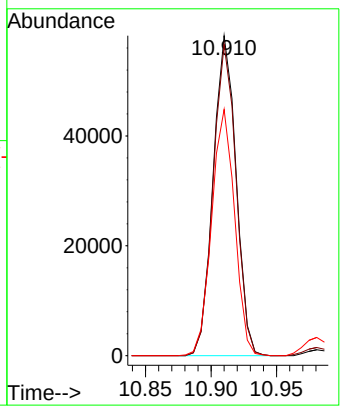


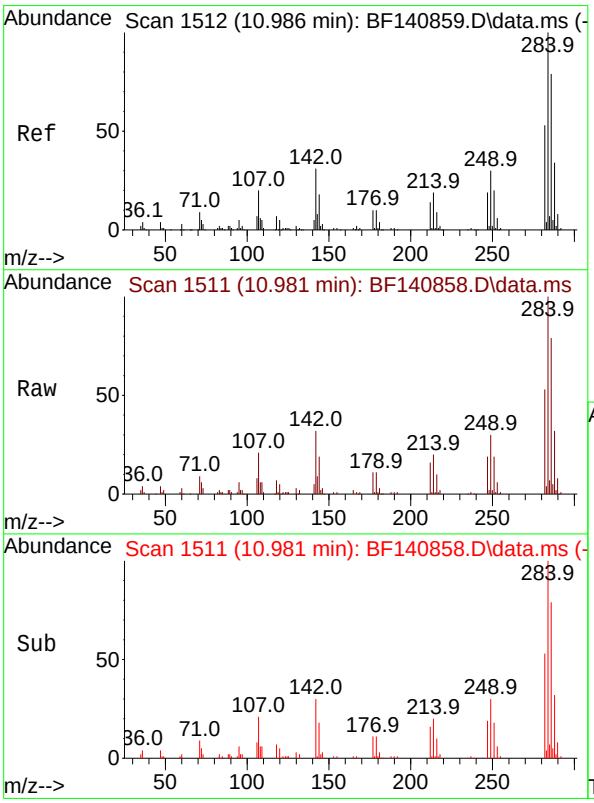

#67
4-Bromophenyl-phenylether
Concen: 21.118 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:248 Resp: 70804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 77.4 | 116.2 |
| 141 | 77.0 | 62.9 | 94.3 |

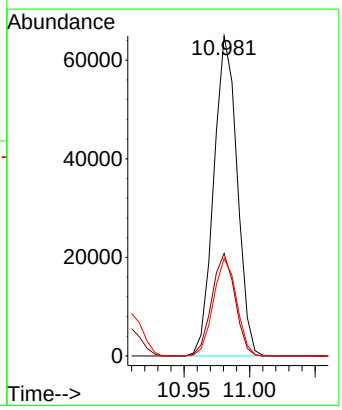


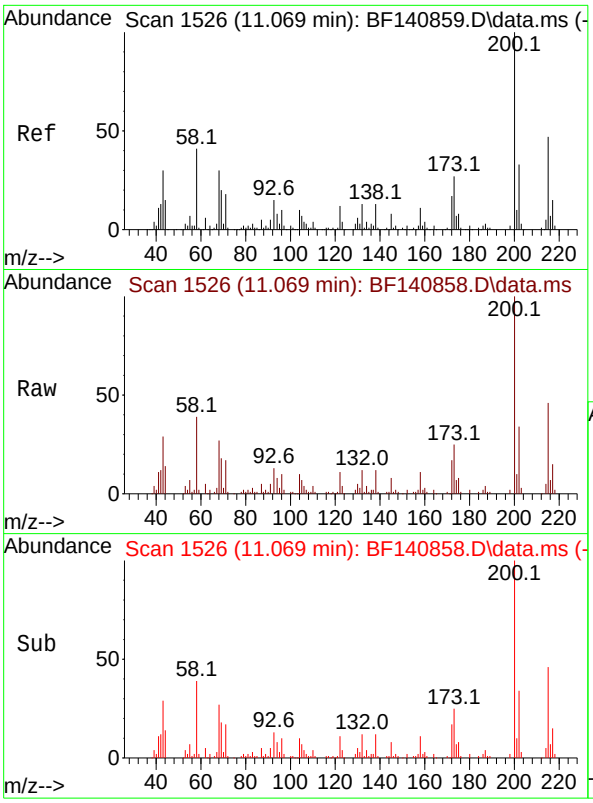




#68
Hexachlorobenzene
Concen: 21.095 ng
RT: 10.981 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:284 Resp: 80189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.0 | 24.6 | 36.8 |
| 249 | 30.5 | 24.3 | 36.5 |



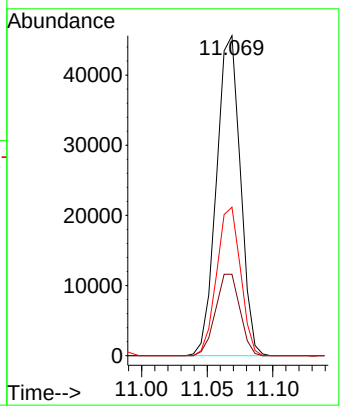


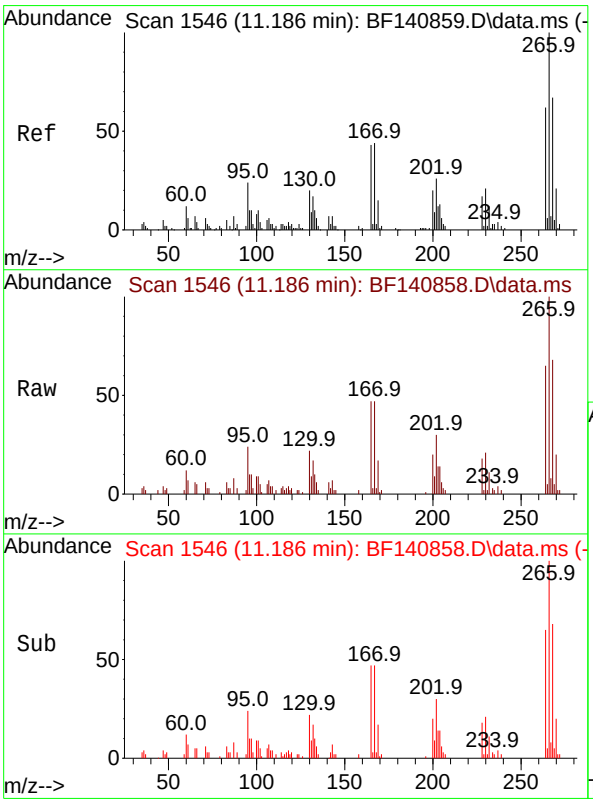

#69
Atrazine
Concen: 22.488 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:200 Resp: 57872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 6.6 | 46.6 |
| 215 | 46.4 | 26.7 | 66.7 |

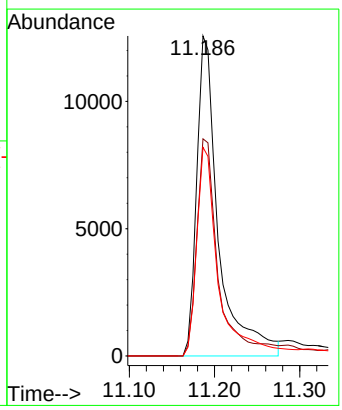


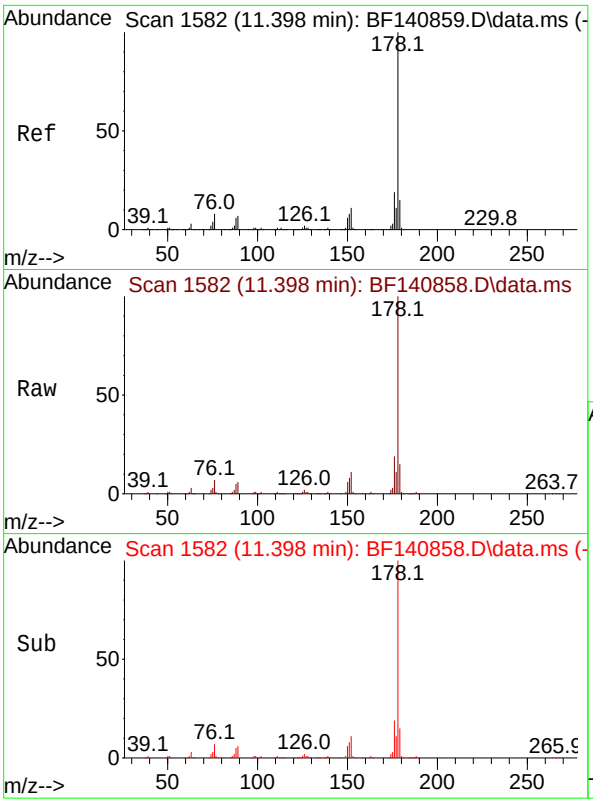




#70
Pentachlorophenol
Concen: 16.109 ng
RT: 11.186 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:266 Resp: 22401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.9 | 54.0 | 81.0 |
| 264 | 65.2 | 49.4 | 74.2 |



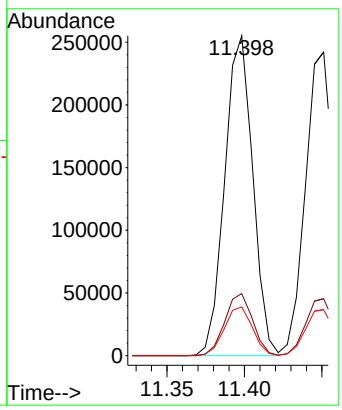


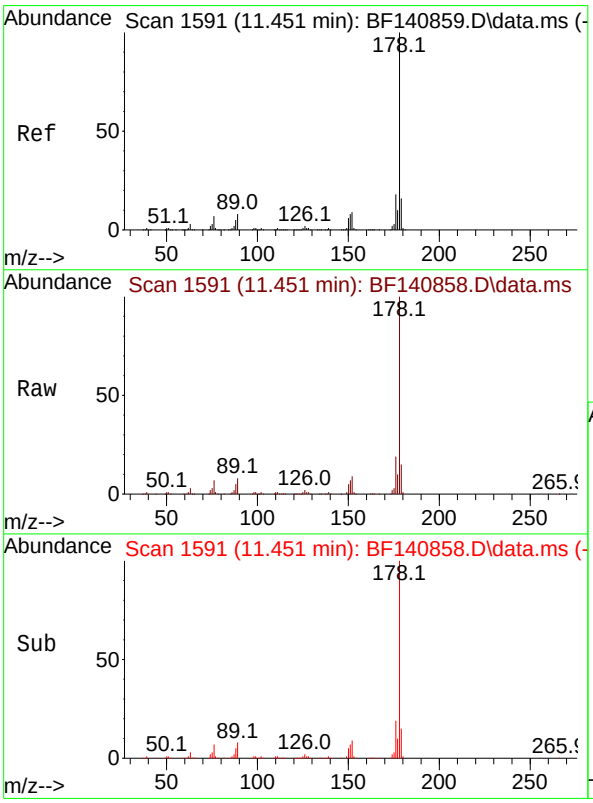

#71
Phenanthrene
Concen: 20.854 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:178 Resp: 321392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.2 |
| 179 | 15.3 | 12.1 | 18.1 |

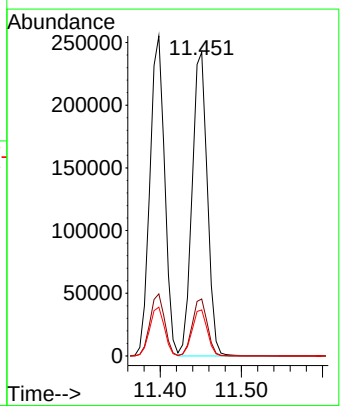


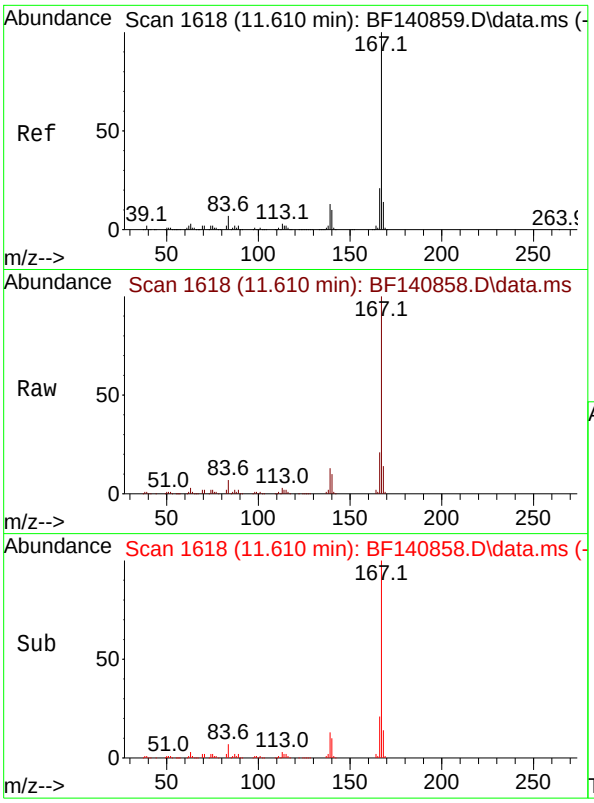




#72
Anthracene
Concen: 20.798 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:178 Resp: 315664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.6 | 22.0 |
| 179 | 15.2 | 12.6 | 18.8 |



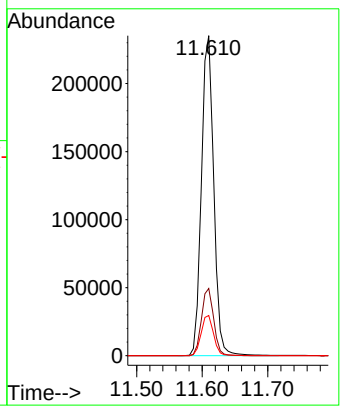


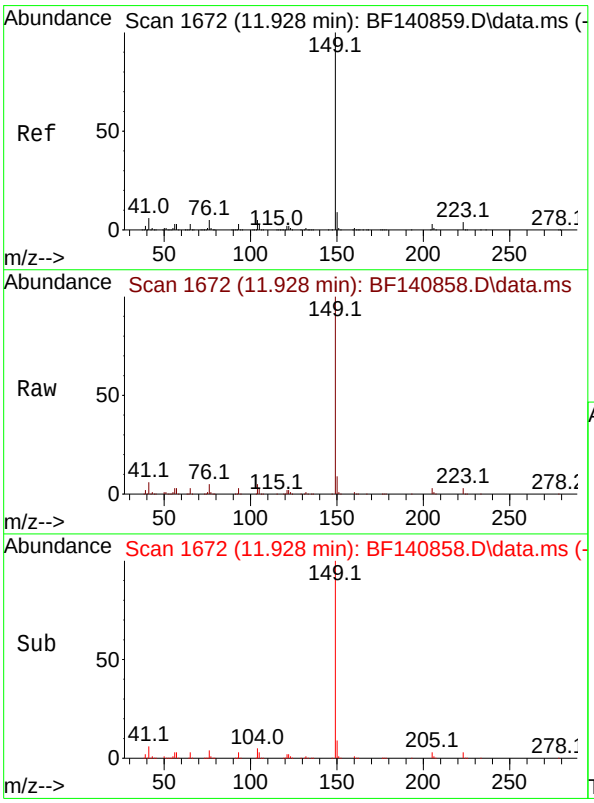

#73
Carbazole
Concen: 20.692 ng
RT: 11.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:167 Resp: 307615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.6 |
| 139 | 12.6 | 10.2 | 15.2 |

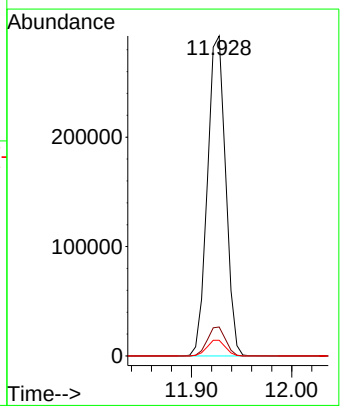


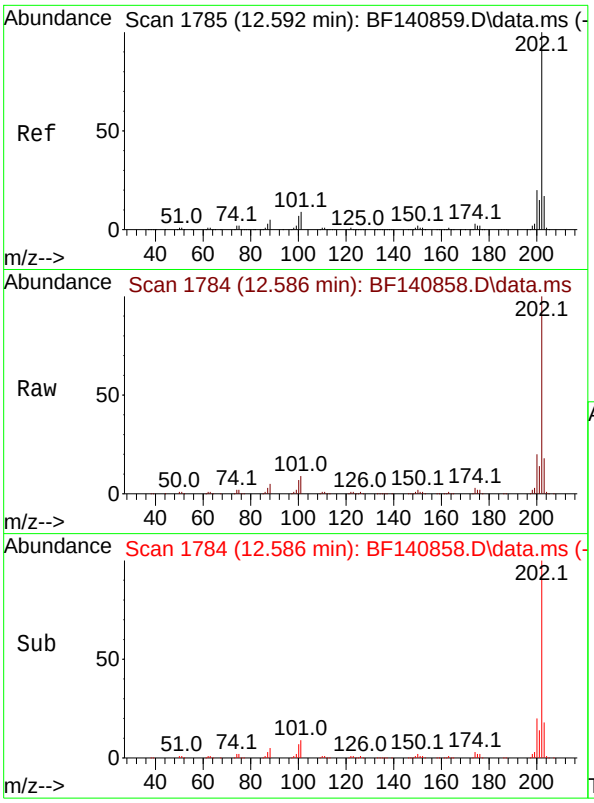




#74
Di-n-butylphthalate
Concen: 21.164 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 369257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.5 | 11.3 |
| 104 | 4.9 | 3.8 | 5.8 |



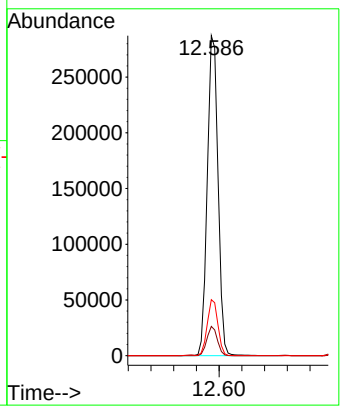


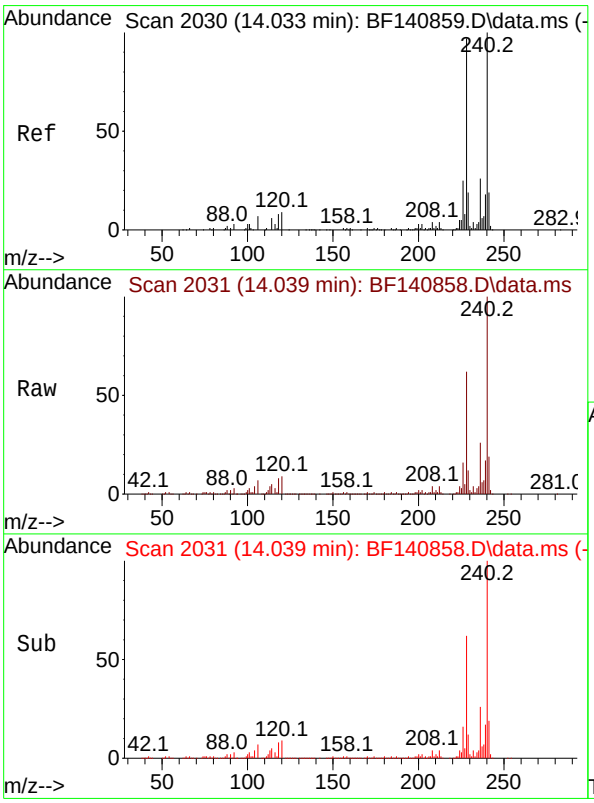

#75
Fluoranthene
Concen: 21.122 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:202 Resp: 374894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 29.3 |
| 203 | 17.5 | 0.0 | 37.4 |

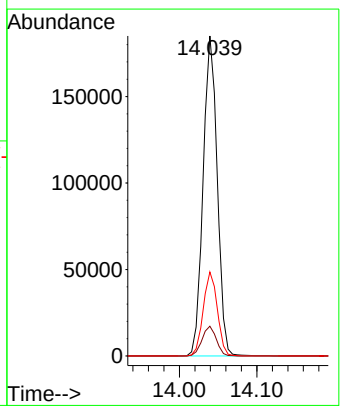


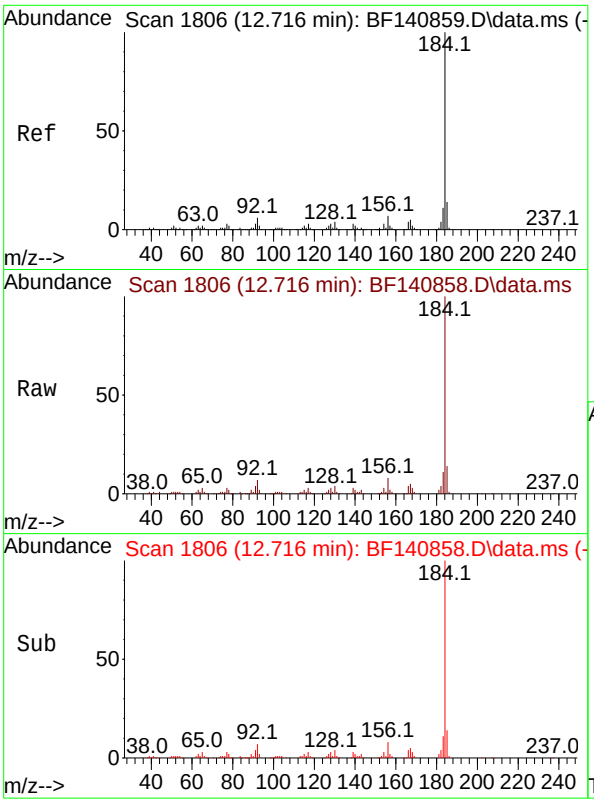




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:240 Resp: 234229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.3 | 7.6 | 11.4 |
| 236 | 26.3 | 20.5 | 30.7 |



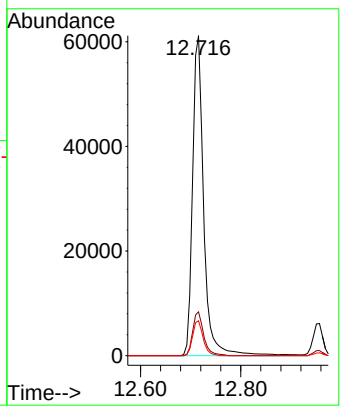


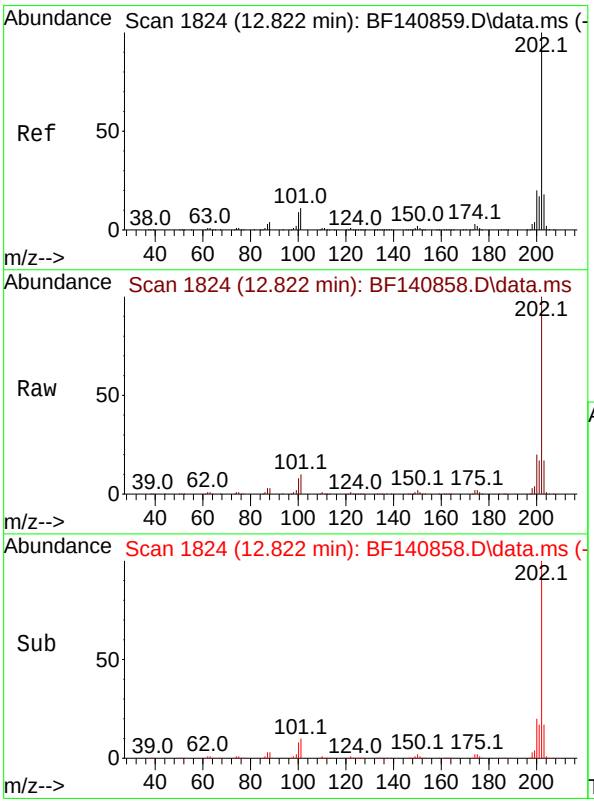

#77
Benzidine
Concen: 19.660 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:184 Resp: 93986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

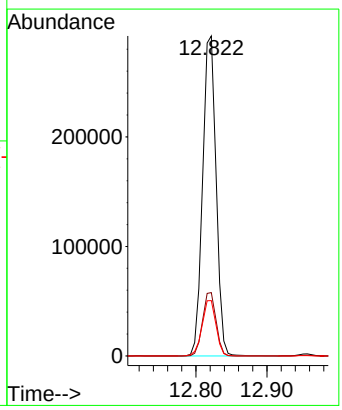


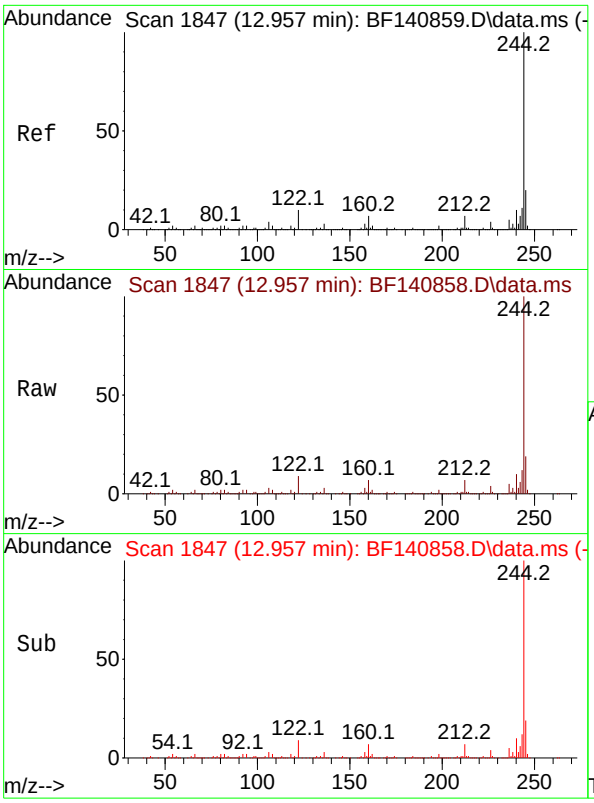




#78
Pyrene
Concen: 18.558 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:202 Resp: 386539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 16.1 | 24.1 |
| 203 | 17.3 | 14.2 | 21.4 |



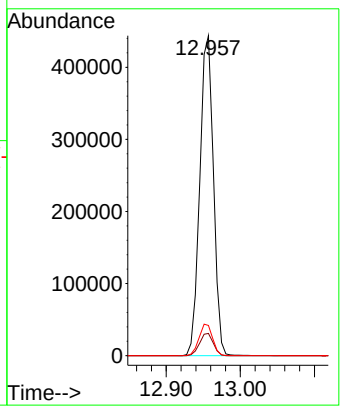


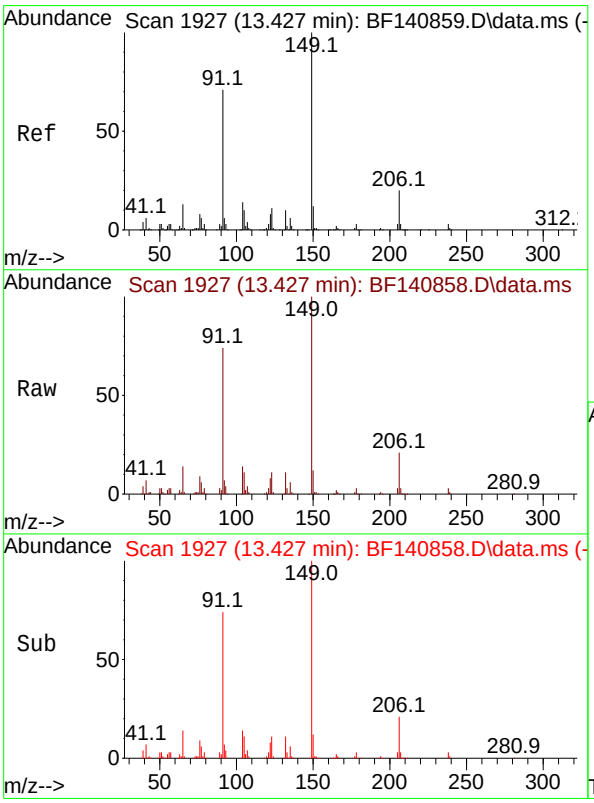

#79
Terphenyl-d14
Concen: 38.416 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:244 Resp: 570640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.6 | 8.4 |
| 122 | 9.5 | 8.2 | 12.2 |

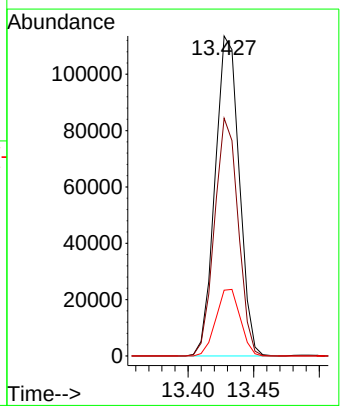


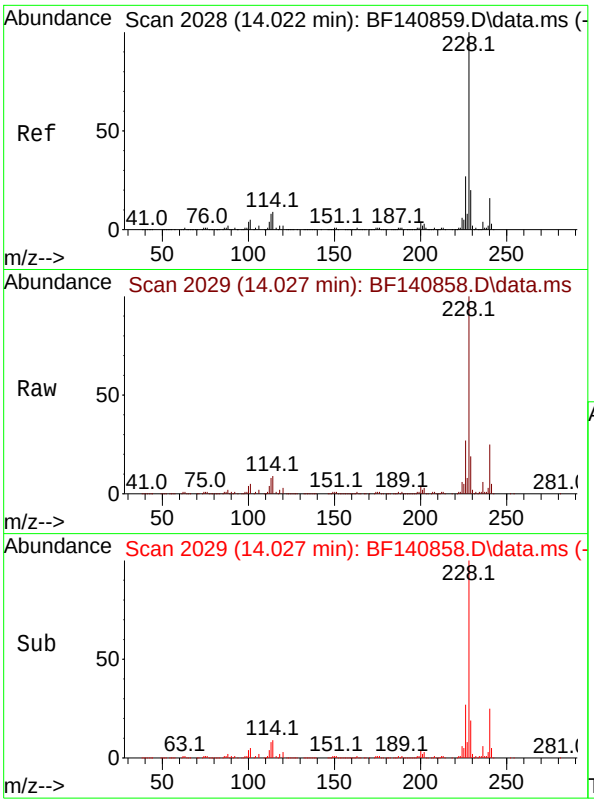




#80
Butylbenzylphthalate
Concen: 18.972 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 145401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.3 | 56.7 | 85.1 |
| 206 | 20.6 | 16.4 | 24.6 |



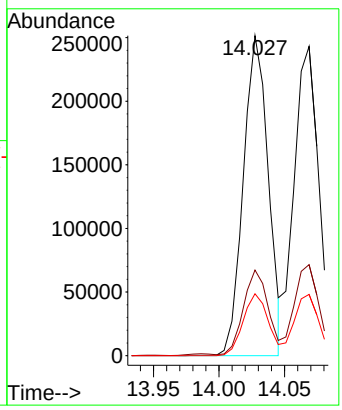


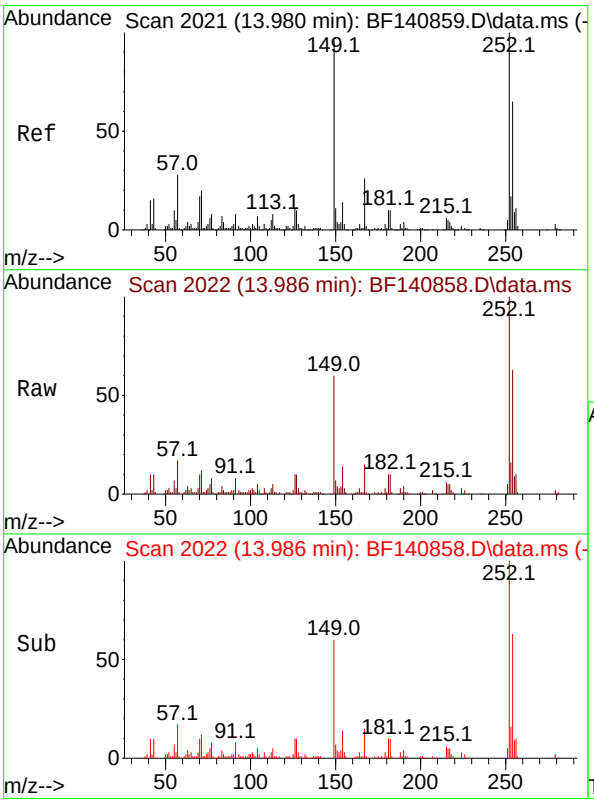

#81
Benzo(a)anthracene
Concen: 20.050 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:228 Resp: 332845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.3 | 15.8 | 23.8 |

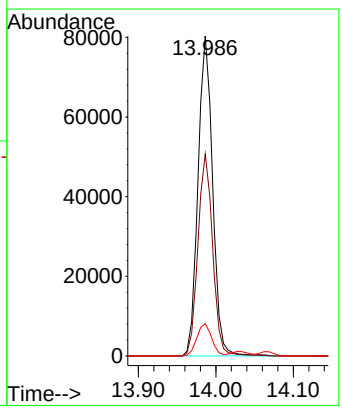


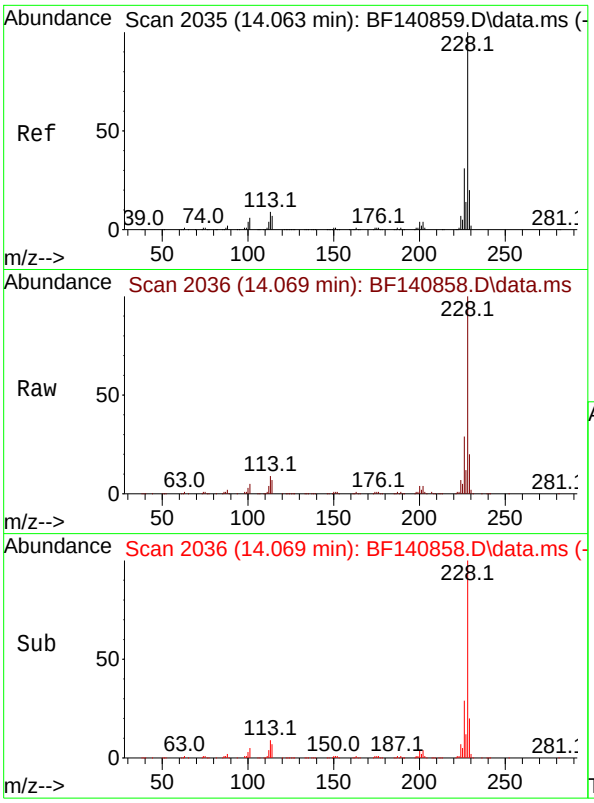




#82
3,3'-Dichlorobenzidine
Concen: 20.989 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 105124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.3 | 78.5 |
| 126 | 10.1 | 8.4 | 12.6 |



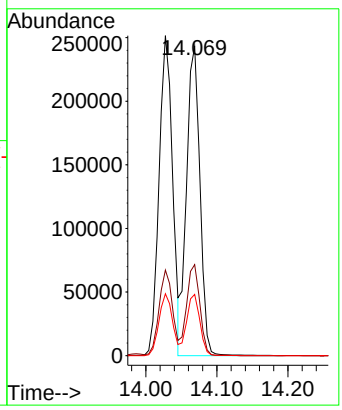


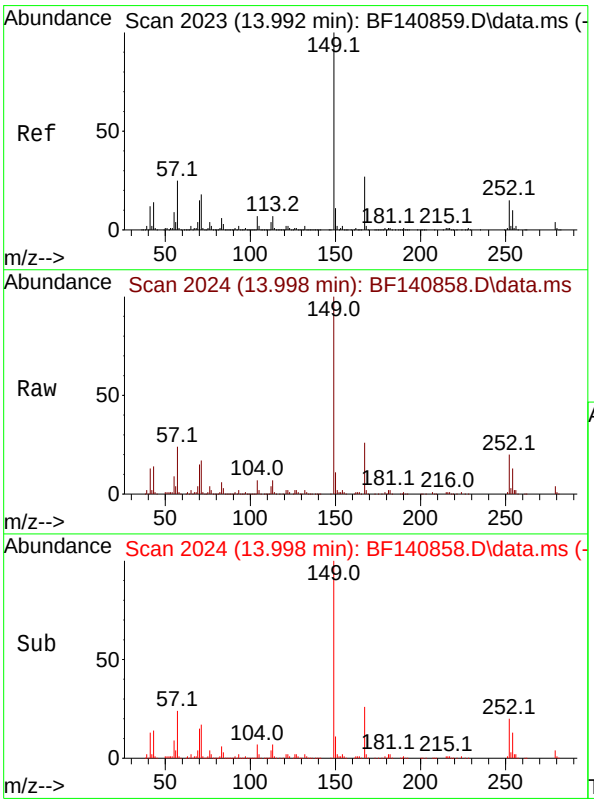

#83
Chrysene
Concen: 21.160 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:228 Resp: 319417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

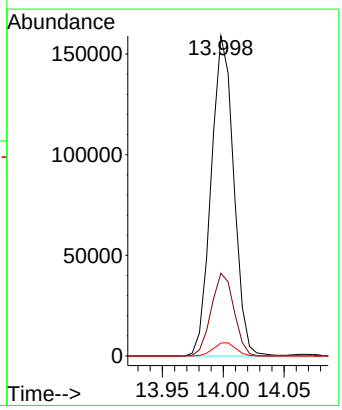


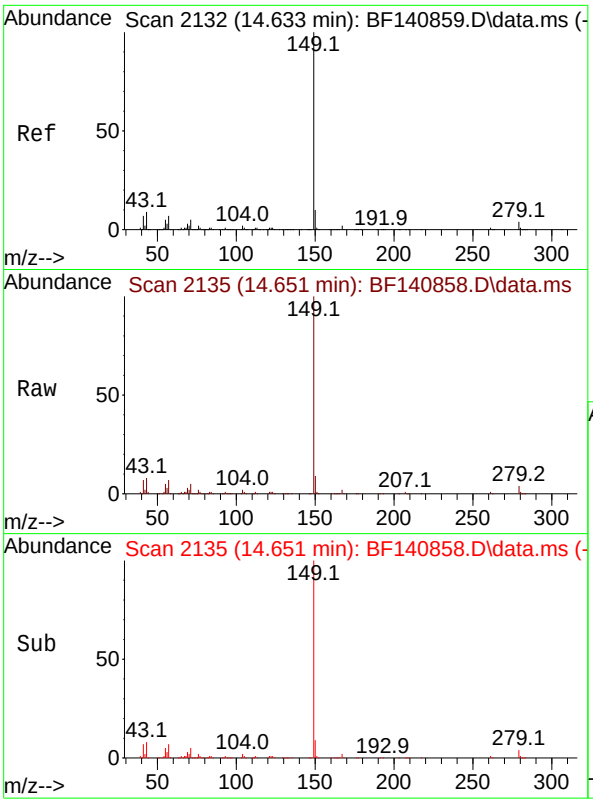




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.740 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 204953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.9 | 21.8 | 32.8 |
| 279 | 4.0 | 3.5 | 5.3 |



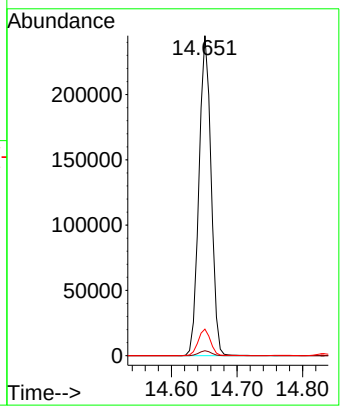


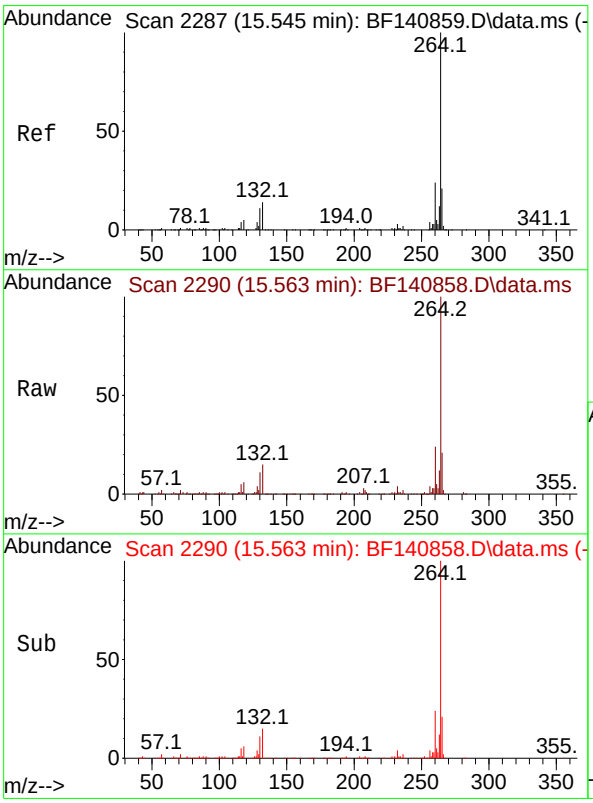

#85
Di-n-octyl phthalate
Concen: 21.125 ng
RT: 14.651 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:149 Resp: 315841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 7.0 | 10.6 |

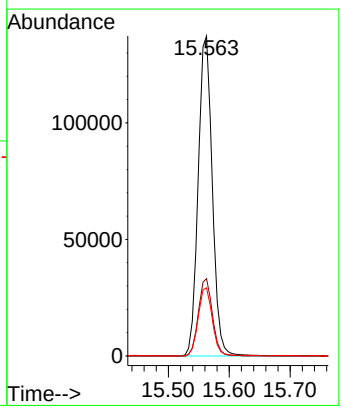


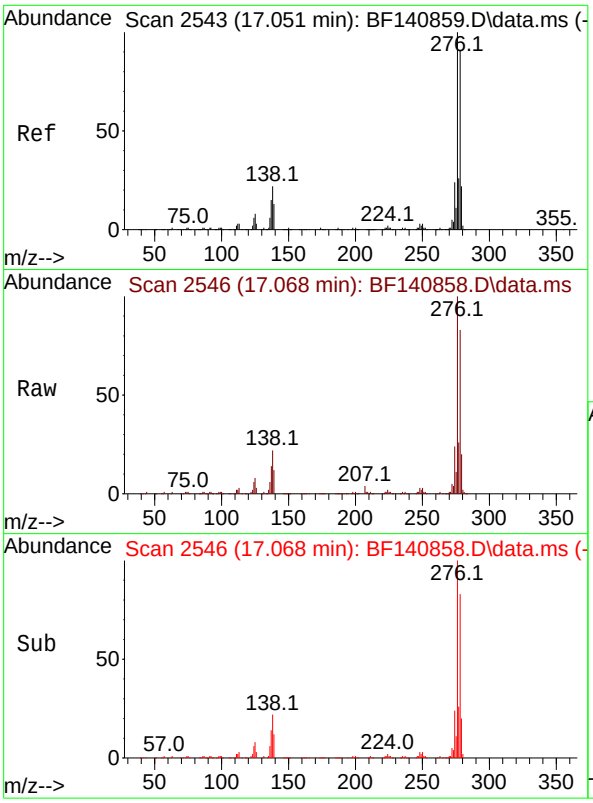




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:264 Resp: 220576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.1 | 28.7 |
| 265 | 21.3 | 17.0 | 25.4 |



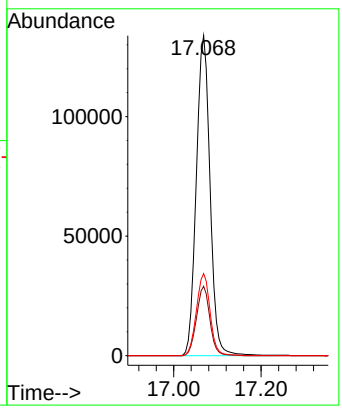


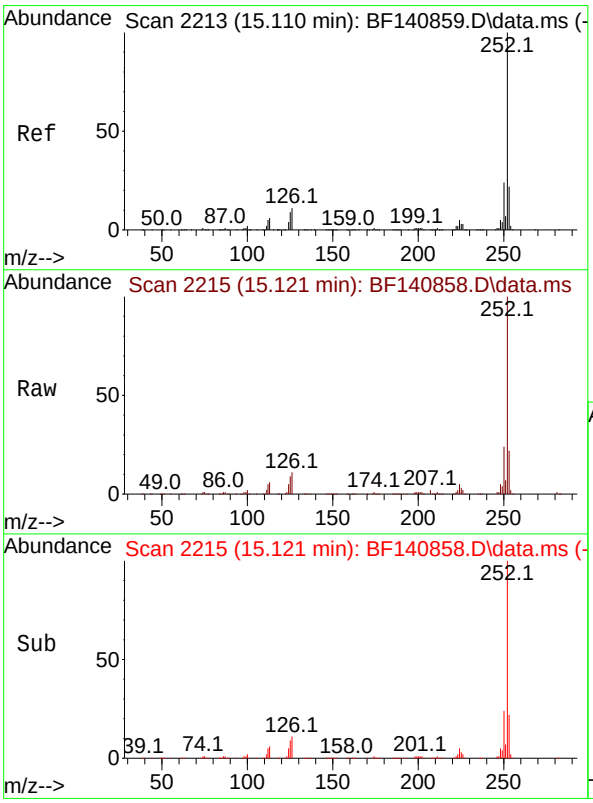

#87
Indeno(1,2,3-cd)pyrene
Concen: 21.315 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:276 Resp: 293402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 16.9 | 25.3 |
| 277 | 25.5 | 20.2 | 30.4 |

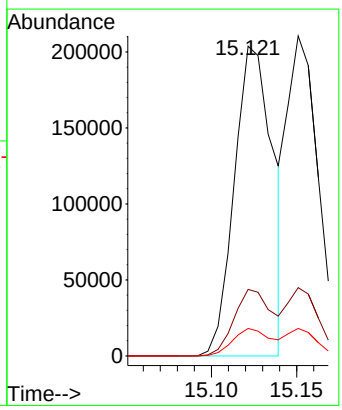


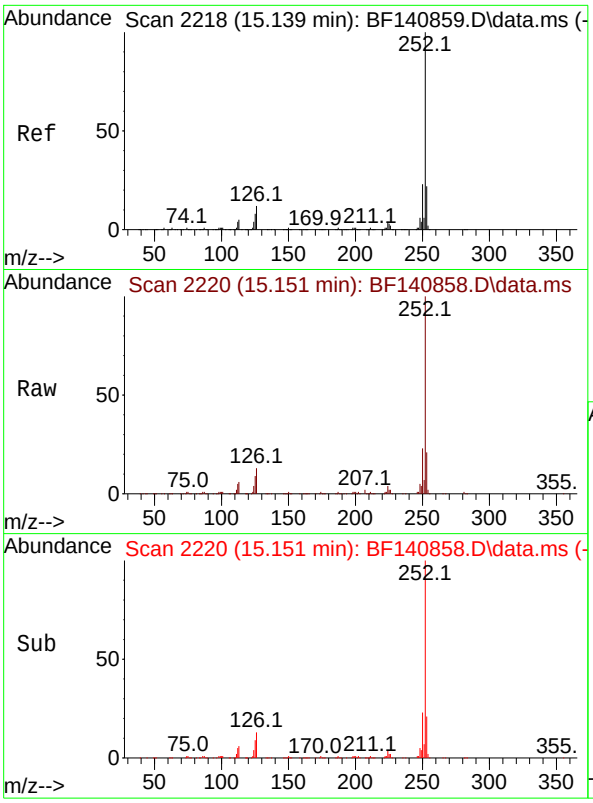




#88
Benzo(b)fluoranthene
Concen: 20.890 ng
RT: 15.121 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 319848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |



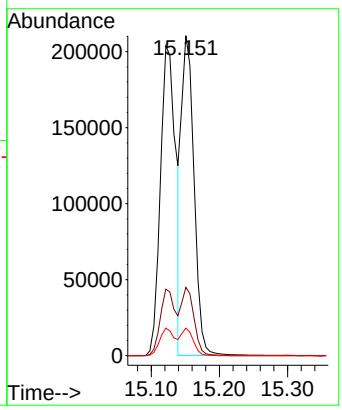


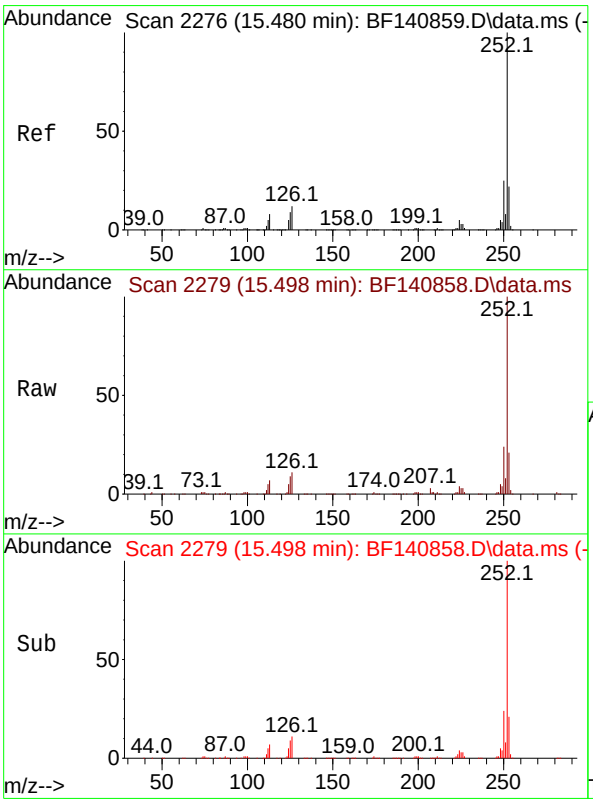

#89
Benzo(k)fluoranthene
Concen: 20.548 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:252 Resp: 269871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.3 | 17.5 | 26.3 |
| 125 | 8.6 | 6.8 | 10.2 |

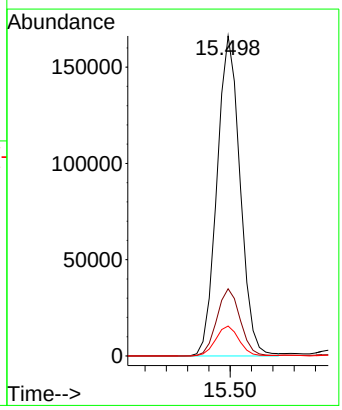


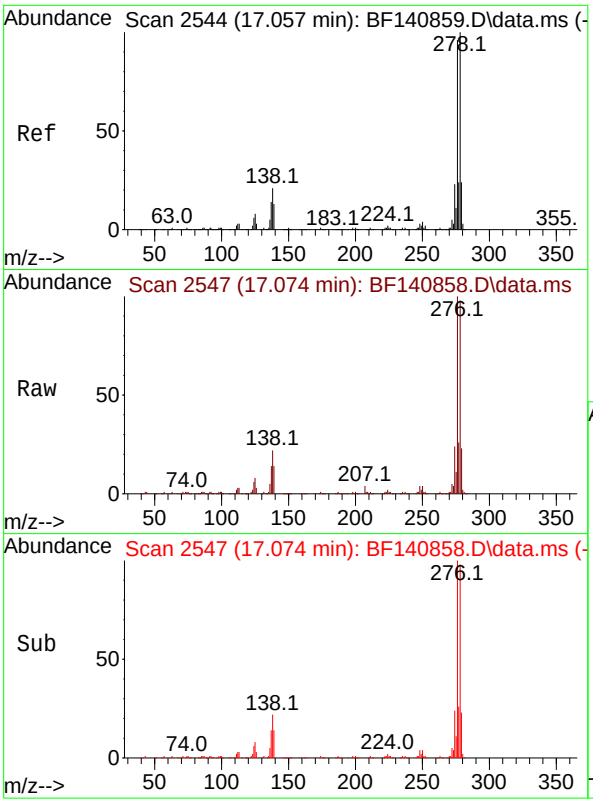




#90
Benzo(a)pyrene
Concen: 20.861 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 250110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.5 | 26.3 |
| 125 | 9.4 | 7.5 | 11.3 |



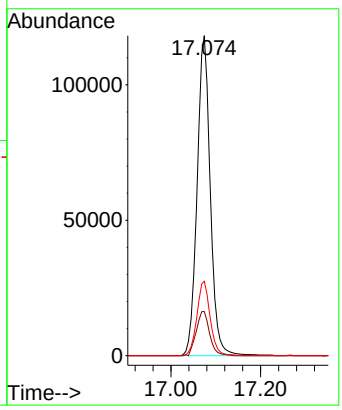


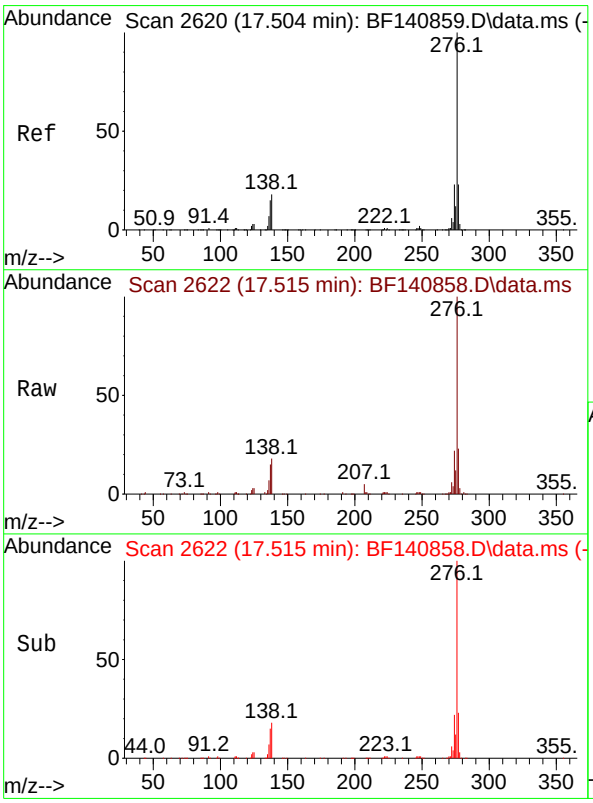

#91
Dibenzo(a,h)anthracene
Concen: 21.117 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

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

Tgt Ion:278 Resp: 240810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.3 | 19.2 | 28.8 |

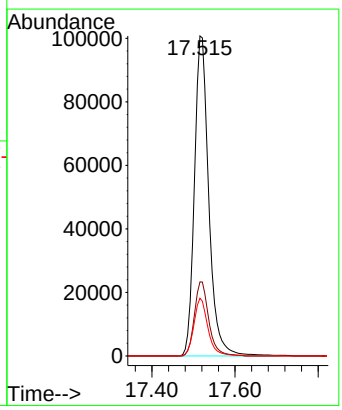



#92
Benzo(g,h,i)perylene
Concen: 20.785 ng
RT: 17.515 min Scan# 2622
Delta R.T. 0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:276 Resp: 241228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.7 | 28.1 |
| 138 | 18.0 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 82694 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.134 | 136 | 323165 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 169321 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 364516 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 182739 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 171569 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 732058 | 145.730 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 982302 | 147.637 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 947083 | 146.623 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 304721 | 152.164 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.210 | 172 | 2054327 | 166.807 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 2018997 | 174.221 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 162832 | 75.255 | ng | | 98 |
| 3) Pyridine | 3.399 | 79 | 375906 | 75.017 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 194050 | 76.818 | ng | | 97 |
| 6) Aniline | 6.528 | 93 | 399627 | 70.247 | ng | | 92 |
| 8) 2-Chlorophenol | 6.651 | 128 | 406710 | 74.245 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 219459 | 59.528 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 507289 | 73.564 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.593 | 93 | 389038 | 75.649 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 461108 | 73.871 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 462233 | 72.952 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 437177 | 73.129 | ng | | 98 |
| 15) Benzyl Alcohol | 7.004 | 79 | 349382 | 73.442 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 449685 | 74.228 | ng | | 85 |
| 17) 2-Methylphenol | 7.122 | 107 | 328432 | 75.095 | ng | | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 176920 | 75.005 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 288752 | 72.349 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 421165 | 72.622 | ng | | 97 |
| 22) Acetophenone | 7.269 | 105 | 576358 | 71.295 | ng | # | 99 |
| 24) Nitrobenzene | 7.445 | 77 | 484693 | 73.246 | ng | | 98 |
| 25) Isophorone | 7.681 | 82 | 815074 | 75.310 | ng | | 99 |
| 26) 2-Nitrophenol | 7.757 | 139 | 232926 | 76.426 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.798 | 122 | 270864 | 76.101 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 508754 | 75.263 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 374434 | 76.199 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 420429 | 74.635 | ng | | 99 |
| 31) Naphthalene | 8.157 | 128 | 1318982 | 74.301 | ng | | 100 |
| 32) Benzoic acid | 7.969 | 122 | 284705 | 84.342 | ng | | 98 |
| 33) 4-Chloroaniline | 8.216 | 127 | 451539 | 76.586 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 282790 | 74.615 | ng | | 99 |
| 35) Caprolactam | 8.616 | 113 | 104669 | 71.548 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 449654 | 81.301 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 942892 | 80.295 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 925535 | 79.695 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 466438 | 89.625 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 149909 | 80.025 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 301828 | 94.714 | ng | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 321402 | 91.760 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 1186930 | 88.155 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.339 | 162 | 927799 | 90.075 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 289810 | 93.162 | ng | 99 |
| 49) Acenaphthylene | 9.751 | 152 | 1169747 | 77.278 | ng | 100 |
| 50) Dimethylphthalate | 9.616 | 163 | 1049196 | 87.890 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 240439 | 88.104 | ng | 95 |
| 52) Acenaphthene | 9.922 | 154 | 710789 | 73.511 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 208004 | 76.804 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 106230 | 79.797 | ng | 95 |
| 55) Dibenzofuran | 10.092 | 168 | 1071923 | 71.543 | ng | 100 |
| 56) 4-Nitrophenol | 10.039 | 139 | 112972 | 77.685 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 263636 | 73.423 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 904163 | 73.147 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 230812 | 80.870 | ng | 99 |
| 60) Diethylphthalate | 10.310 | 149 | 911868 | 73.664 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.428 | 204 | 456754 | 73.562 | ng | 97 |
| 62) 4-Nitroaniline | 10.480 | 138 | 216635 | 76.547 | ng | 99 |
| 63) Azobenzene | 10.586 | 77 | 862457 | 74.110 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 158996 | 76.975 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 767906 | 68.519 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 279941 | 68.648 | ng | 99 |
| 68) Hexachlorobenzene | 10.986 | 284 | 324661 | 70.220 | ng | 97 |
| 69) Atrazine | 11.075 | 200 | 185877 | 59.385 | ng | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 153999 | 91.050 | ng | 100 |
| 71) Phenanthrene | 11.404 | 178 | 1365579 | 72.850 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 1361788 | 73.769 | ng | 99 |
| 73) Carbazole | 11.616 | 167 | 1341097 | 74.170 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1410986 | 66.492 | ng | 100 |
| 75) Fluoranthene | 12.592 | 202 | 1374862 | 63.687 | ng | 98 |
| 77) Benzidine | 12.716 | 184 | 276230 | 74.064 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 1423860 | 87.621 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 508497 | 85.043 | ng | 97 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 1001035 | 77.292 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 291736 | 74.661 | ng | 99 |
| 83) Chrysene | 14.063 | 228 | 881398 | 74.840 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 624744 | 81.032 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 922920 | 79.125 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.057 | 276 | 957167 | 89.400 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 925999 | 77.753 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 683254 | 66.881 | ng | 99 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 714906 | 76.662 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.062 | 278 | 792175 | 89.311 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 840468 | 93.101 | ng | 99 |

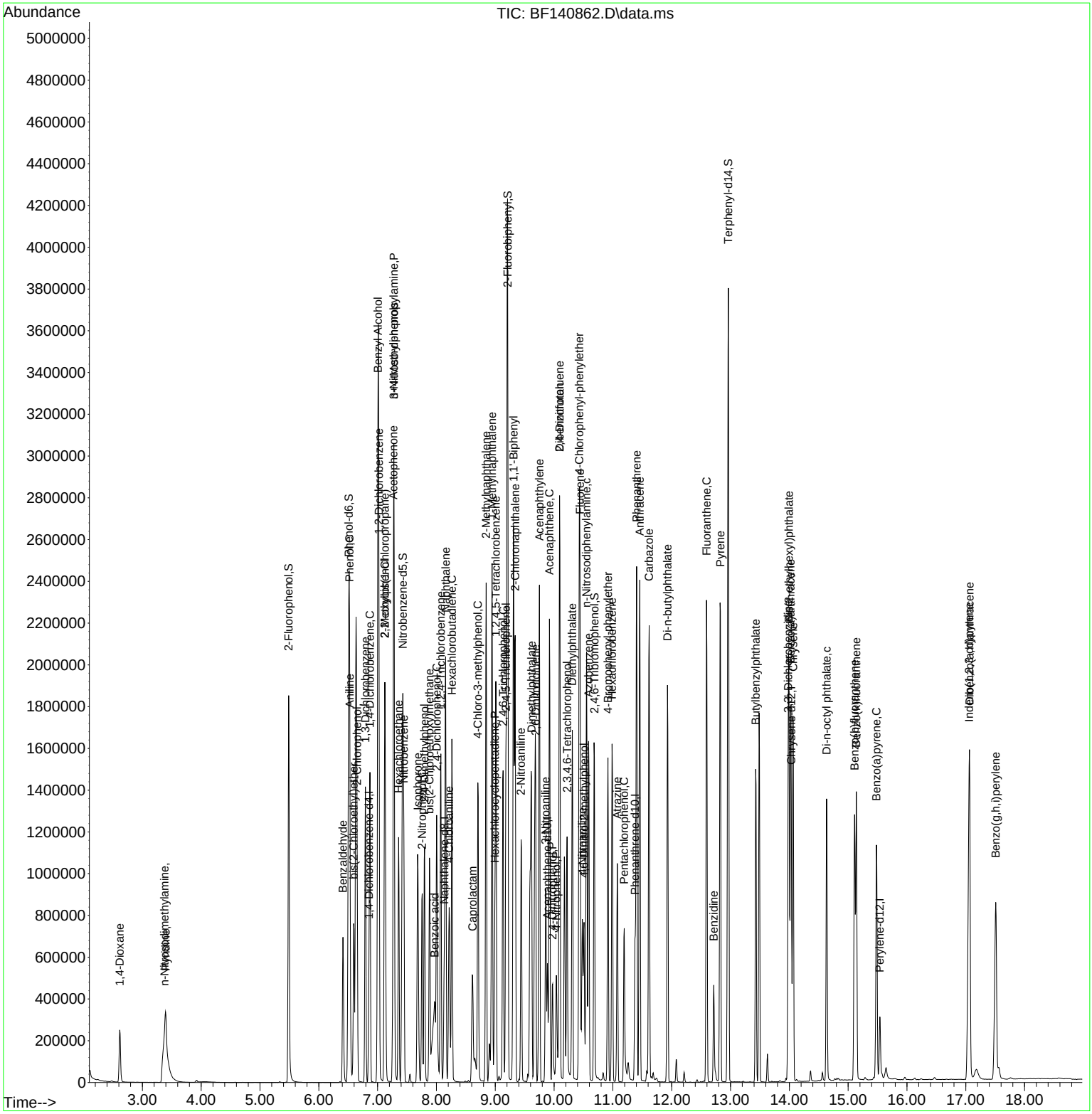
(#) = qualifier out of range (m) = manual integration (+) = signals summed

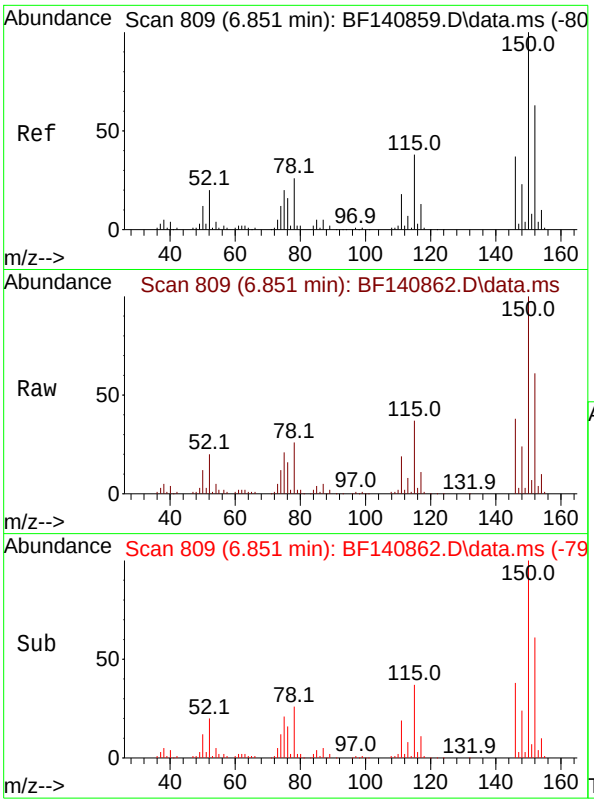
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



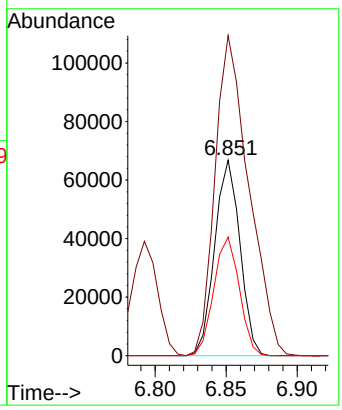


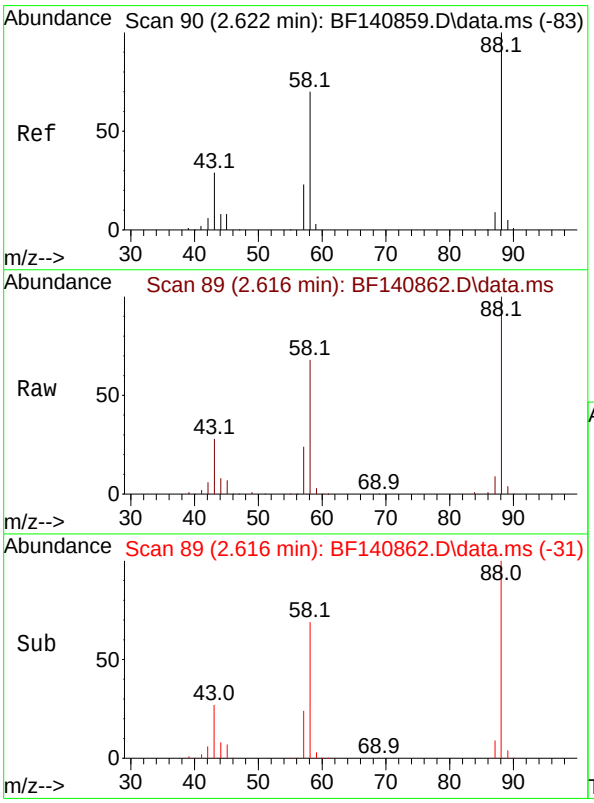

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 82694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 163.6 | 127.9 | 191.9 |
| 115 | 60.6 | 48.0 | 72.0 |

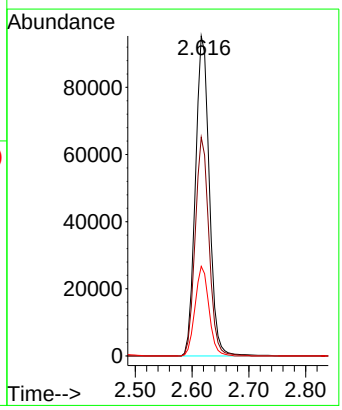


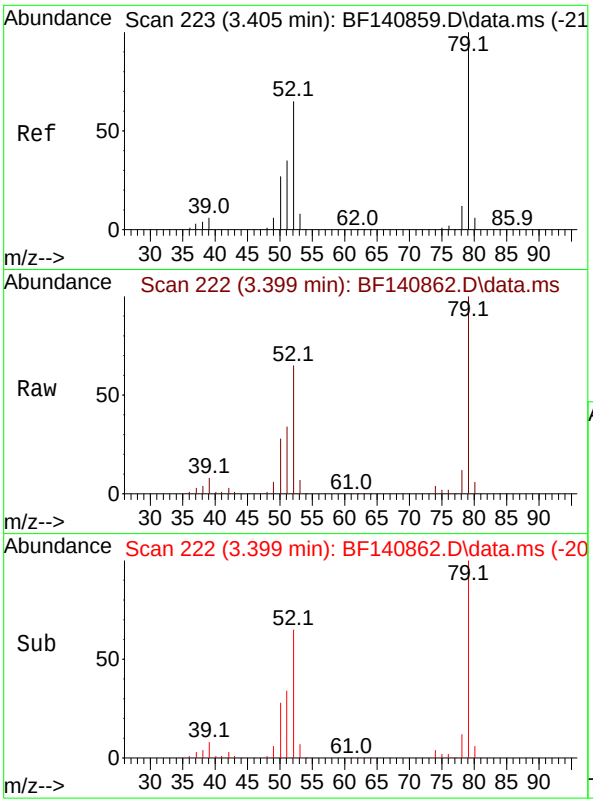




#2
1,4-Dioxane
Concen: 75.255 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 88 Resp: 162832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.8 | 55.8 | 83.8 |
| 43 | 27.9 | 22.7 | 34.1 |



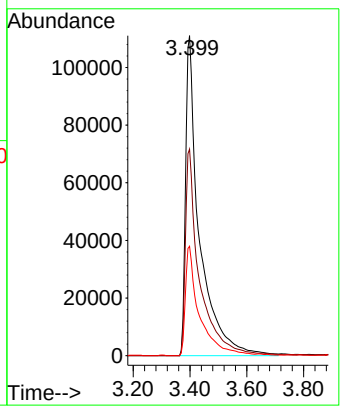


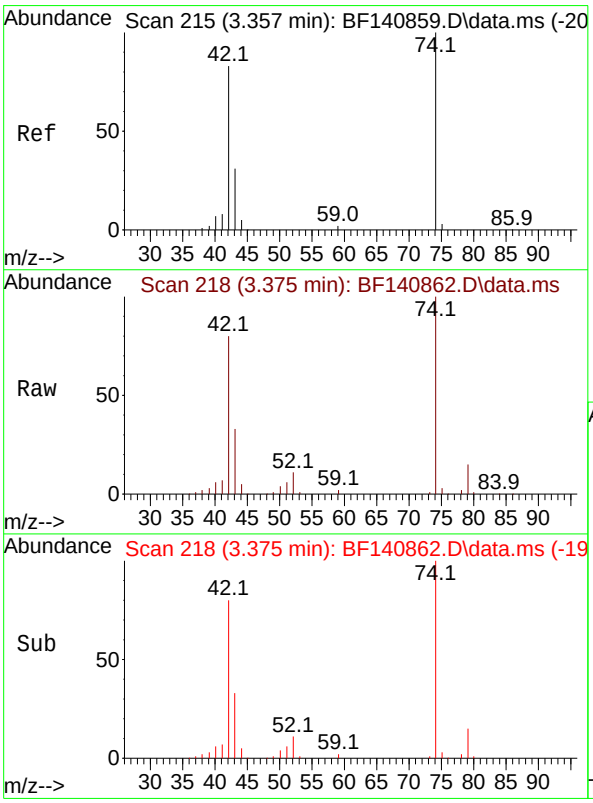

#3
Pyridine
Concen: 75.017 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 375906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.6 | 51.7 | 77.5 |
| 51 | 34.2 | 28.2 | 42.4 |

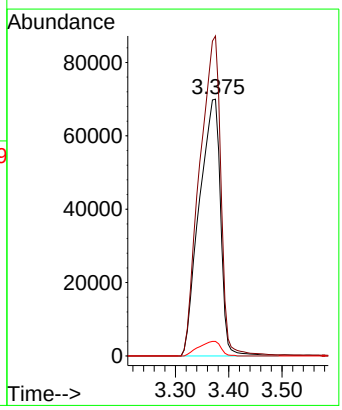


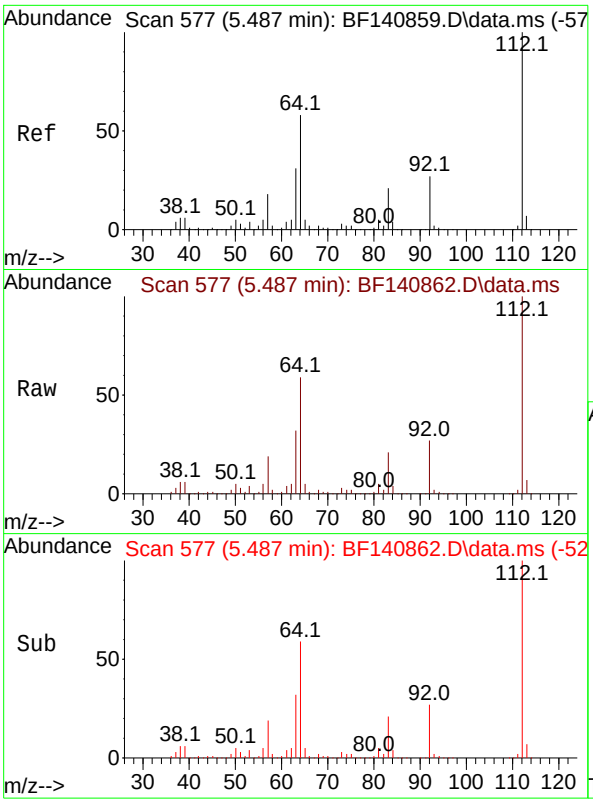




#4
n-Nitrosodimethylamine
Concen: 76.818 ng
RT: 3.375 min Scan# 218
Delta R.T. 0.018 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 42 Resp: 194050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 124.6 | 96.9 | 145.3 |
| 44 | 5.7 | 4.4 | 6.6 |



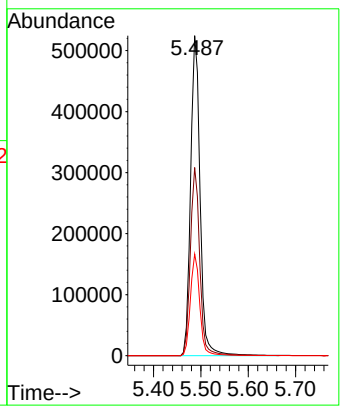


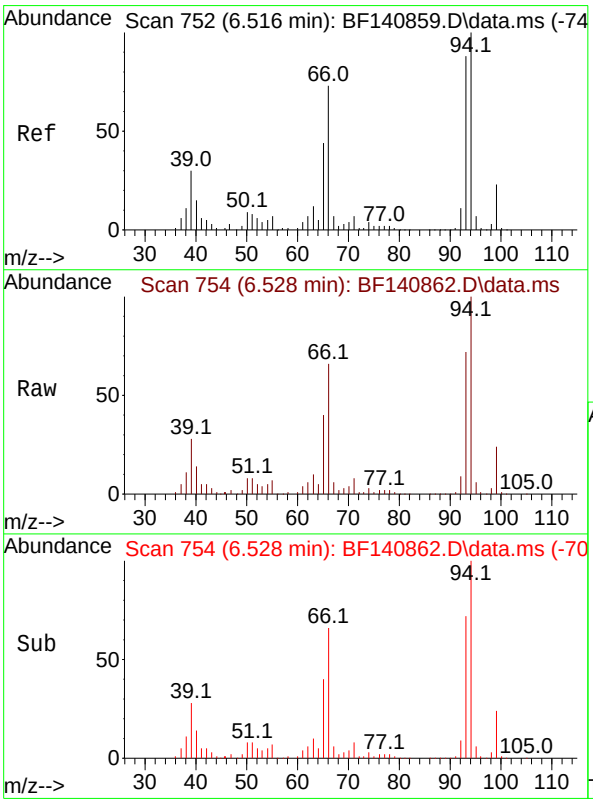

#5
2-Fluorophenol
Concen: 145.730 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 732058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.8 | 46.1 | 69.1 |
| 63 | 31.7 | 24.9 | 37.3 |

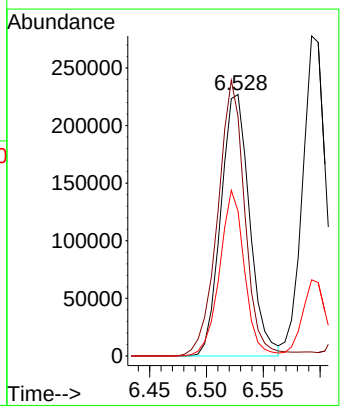


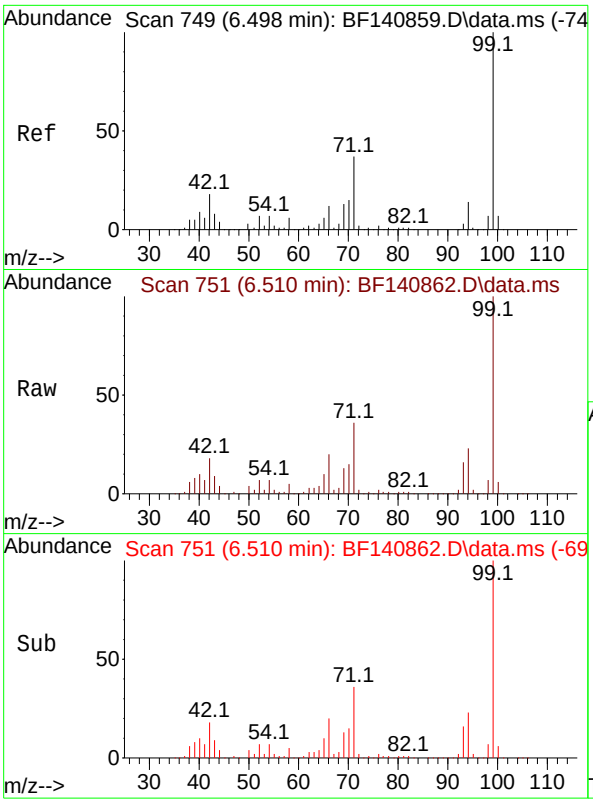




#6
Aniline
Concen: 70.247 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 93 Resp: 399627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 91.6 | 67.0 | 100.4 |
| 65 | 55.4 | 40.4 | 60.6 |



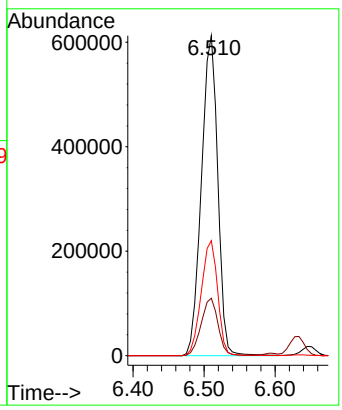


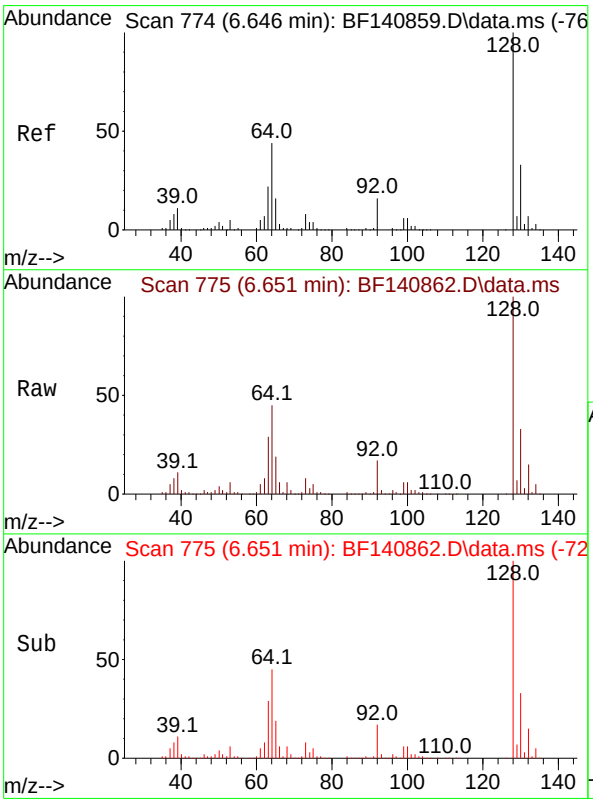

#7
Phenol-d6
Concen: 147.637 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 982302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.3 | 21.5 |
| 71 | 35.9 | 29.9 | 44.9 |

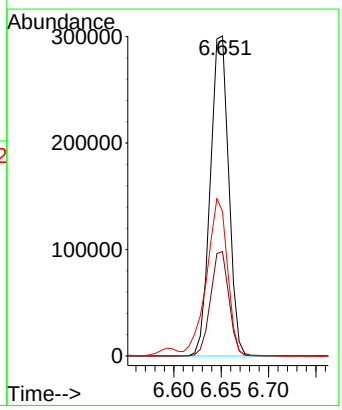


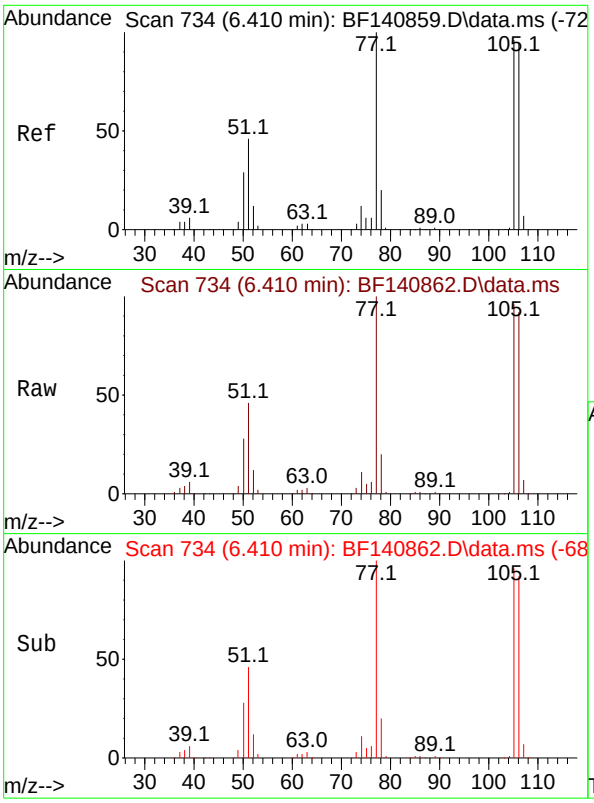




#8
2-Chlorophenol
Concen: 74.245 ng
RT: 6.651 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:128 Resp: 406710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.9 | 52.9 |
| 64 | 45.1 | 24.3 | 64.3 |



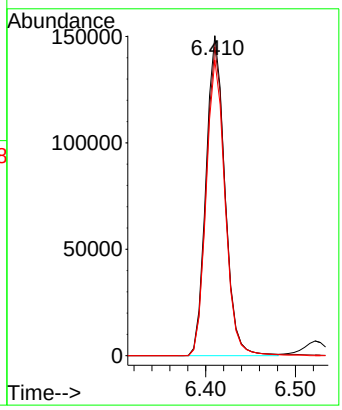


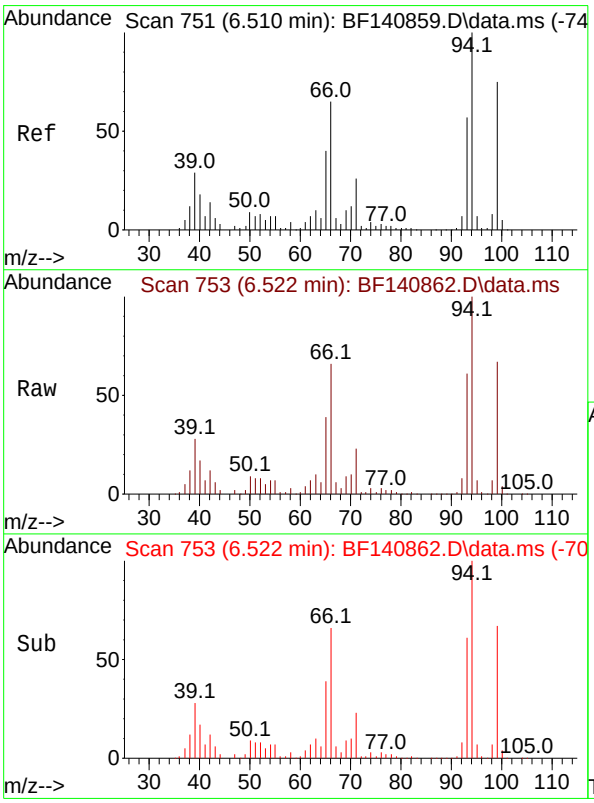

#9
Benzaldehyde
Concen: 59.528 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 219459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.5 | 75.8 | 115.8 |
| 106 | 92.3 | 74.1 | 114.1 |

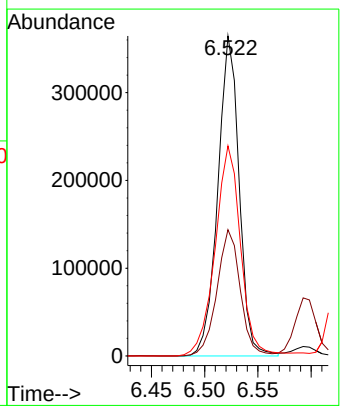


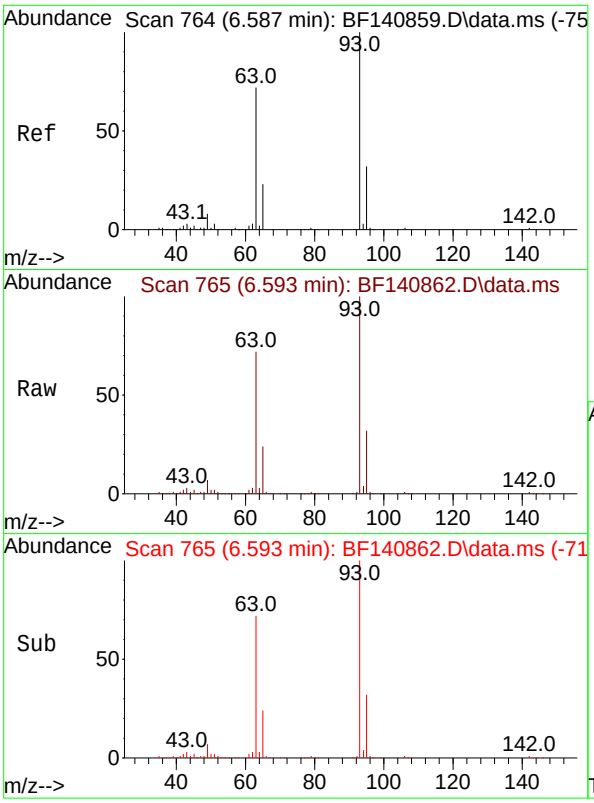




#10
Phenol
Concen: 73.564 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 94 Resp: 507289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.4 | 19.9 | 59.9 |
| 66 | 65.6 | 45.6 | 85.6 |



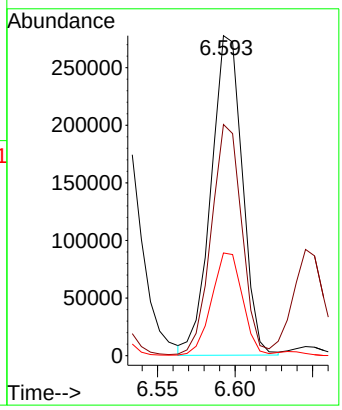


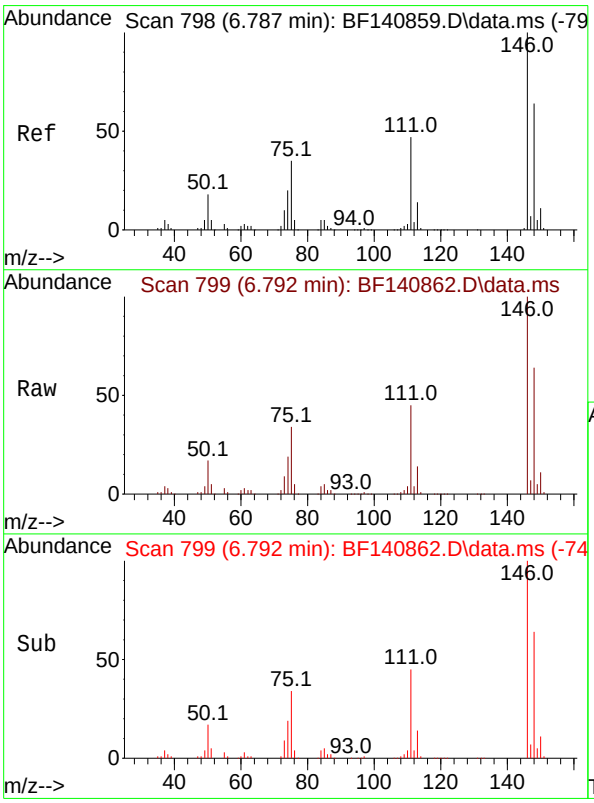

#11
bis(2-Chloroethyl)ether
Concen: 75.649 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 389038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 72.3 | 51.0 | 91.0 |
| 95 | 32.1 | 12.0 | 52.0 |

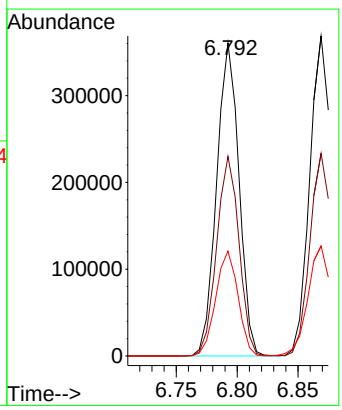


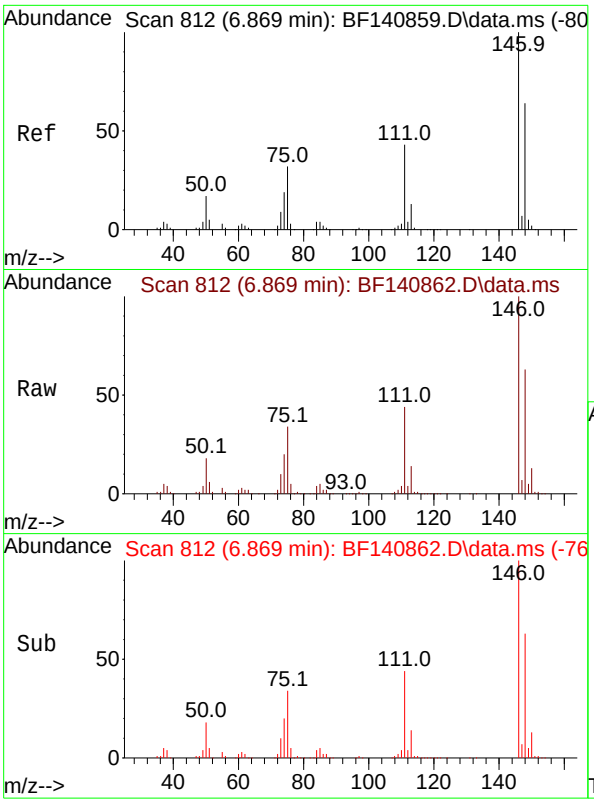




#12
1,3-Dichlorobenzene
Concen: 73.871 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:146 Resp: 461108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.0 | 76.6 |
| 75 | 33.5 | 28.1 | 42.1 |



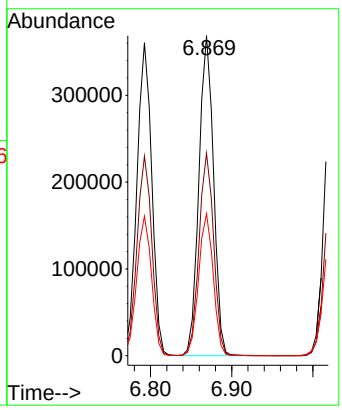


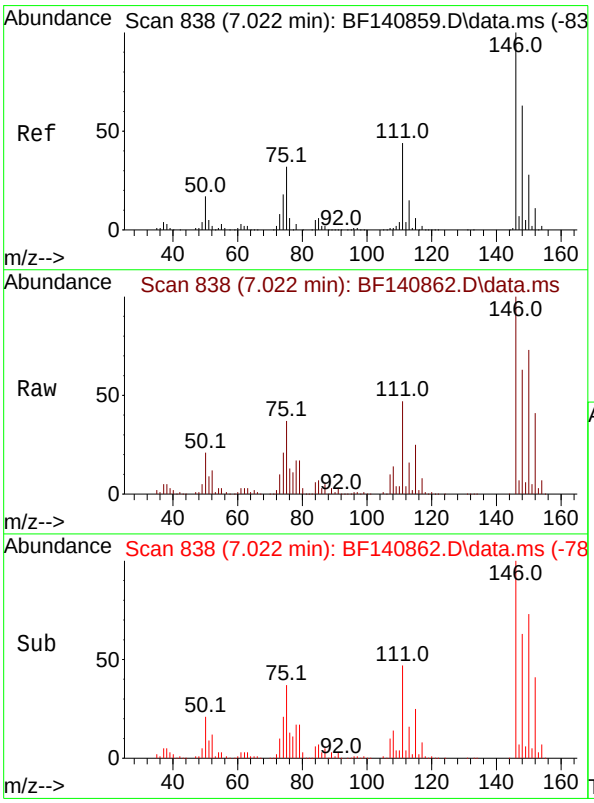

#13
1,4-Dichlorobenzene
Concen: 72.952 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 462233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.3 | 76.9 |
| 111 | 44.3 | 34.4 | 51.6 |

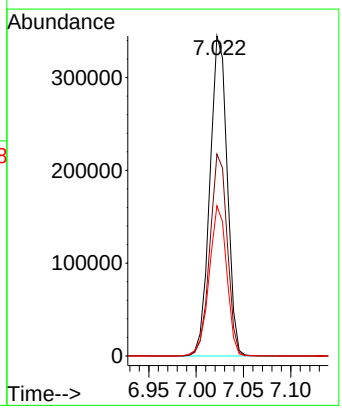


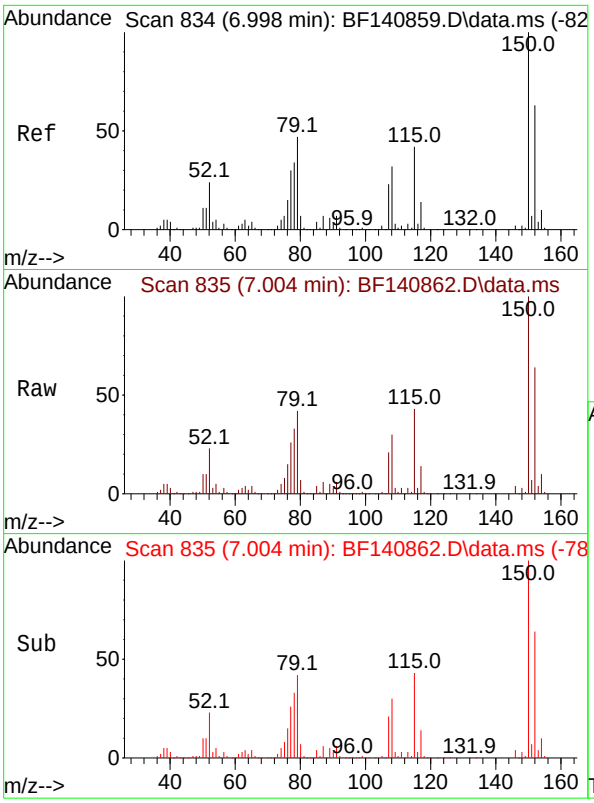




#14
1,2-Dichlorobenzene
Concen: 73.129 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:146 Resp: 437177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 50.0 | 75.0 |
| 111 | 46.9 | 35.6 | 53.4 |



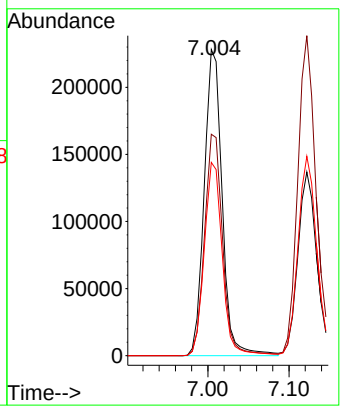


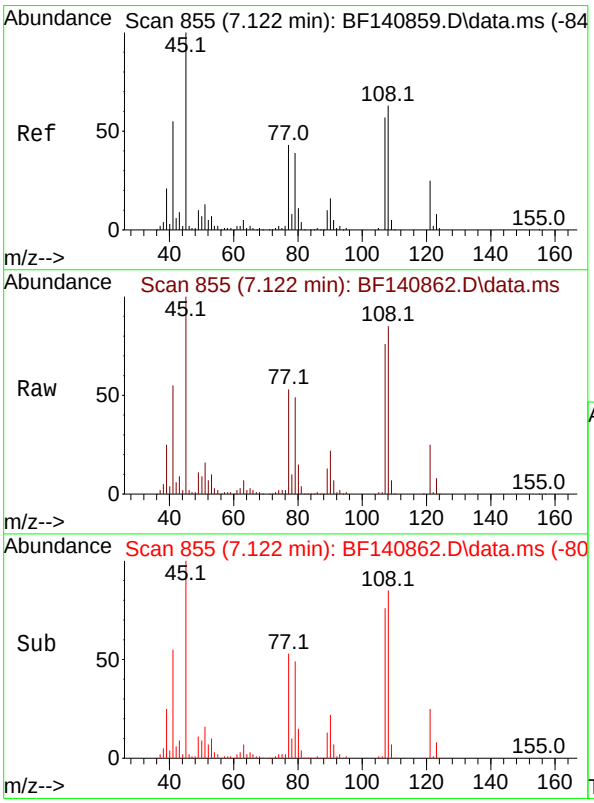

#15
Benzyl Alcohol
Concen: 73.442 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 349382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.3 | 55.1 | 82.7 |
| 77 | 63.1 | 50.6 | 76.0 |

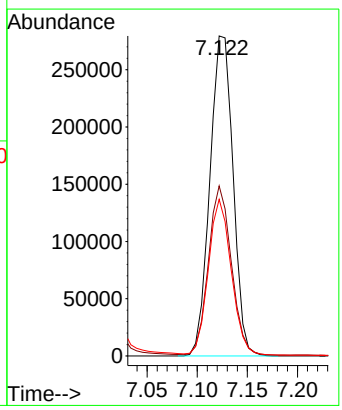


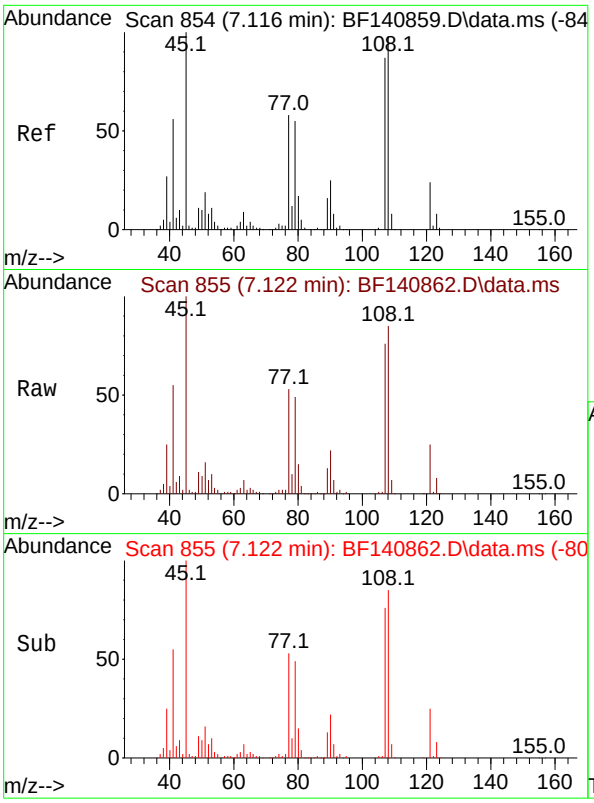




#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.228 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 45 Resp: 449685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 53.1 | 23.3 | 63.3 |
| 79 | 49.0 | 20.0 | 60.0 |



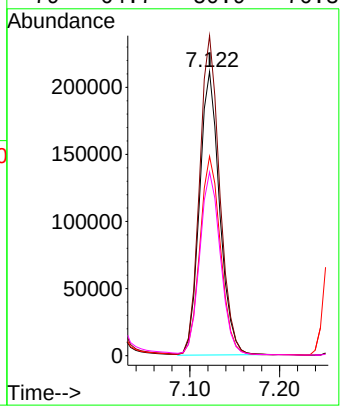


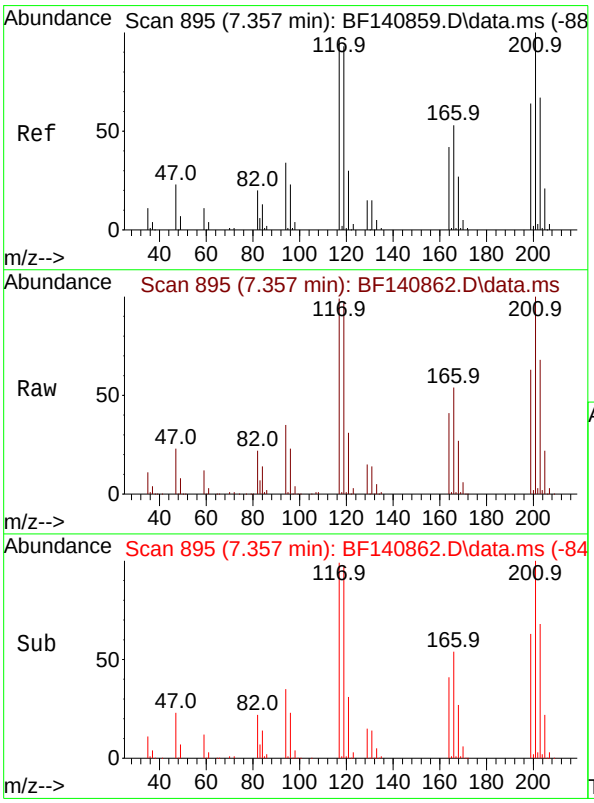

#17
2-Methylphenol
Concen: 75.095 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 328432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.2 | 135.4 |
| 77 | 70.2 | 53.8 | 80.6 |
| 79 | 64.7 | 50.9 | 76.3 |

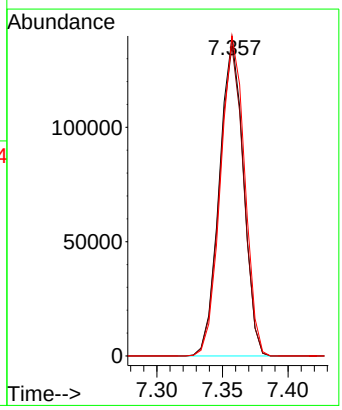


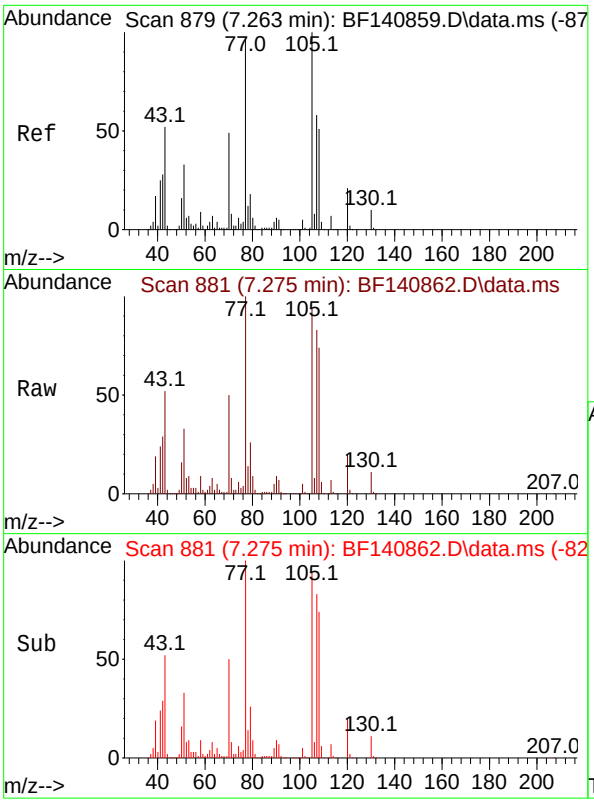




#18
Hexachloroethane
Concen: 75.005 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:117 Resp: 176920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.3 | 77.4 | 116.0 |
| 201 | 100.5 | 83.4 | 125.0 |



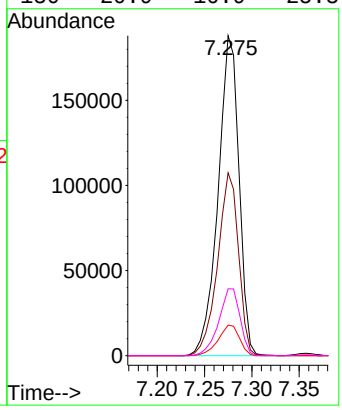


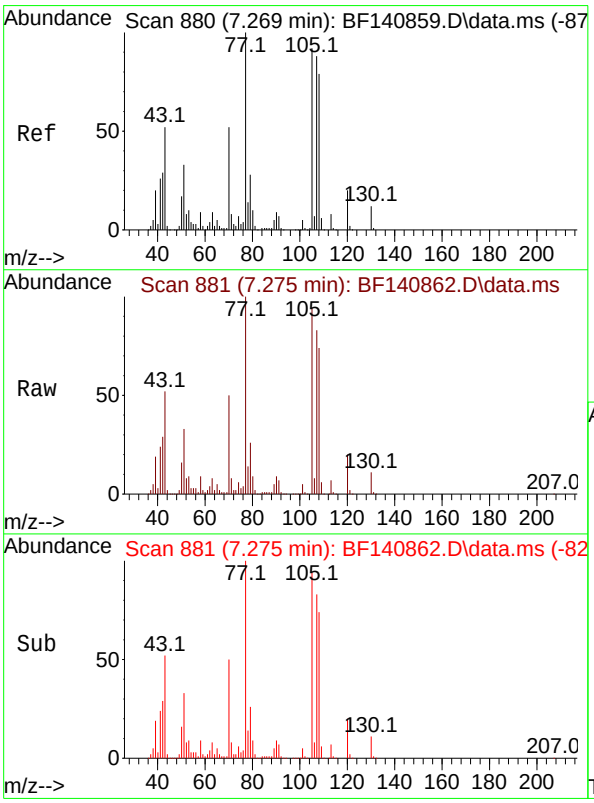

#19
n-Nitroso-di-n-propylamine
Concen: 72.349 ng
RT: 7.275 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 288752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.2 | 45.3 | 67.9 |
| 101 | 9.6 | 8.0 | 12.0 |
| 130 | 20.9 | 16.9 | 25.3 |

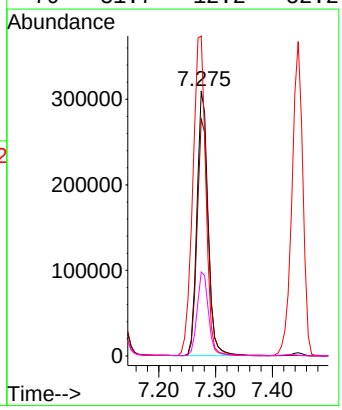


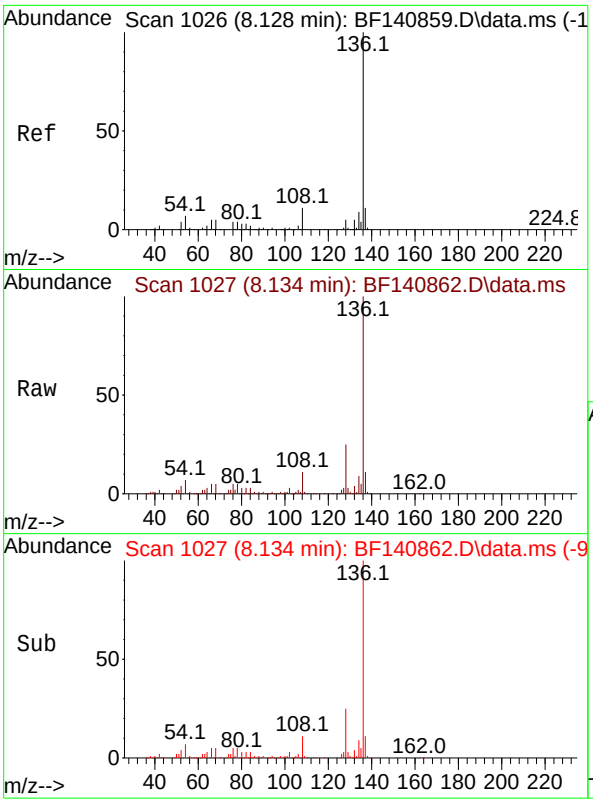




#20
3+4-Methylphenols
Concen: 72.622 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:107 Resp: 421165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 70.1 | 110.1 |
| 77 | 120.8 | 94.4 | 134.4 |
| 79 | 31.7 | 12.2 | 52.2 |



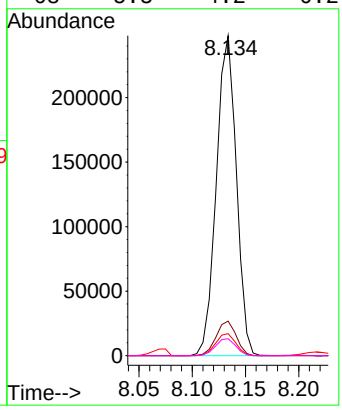


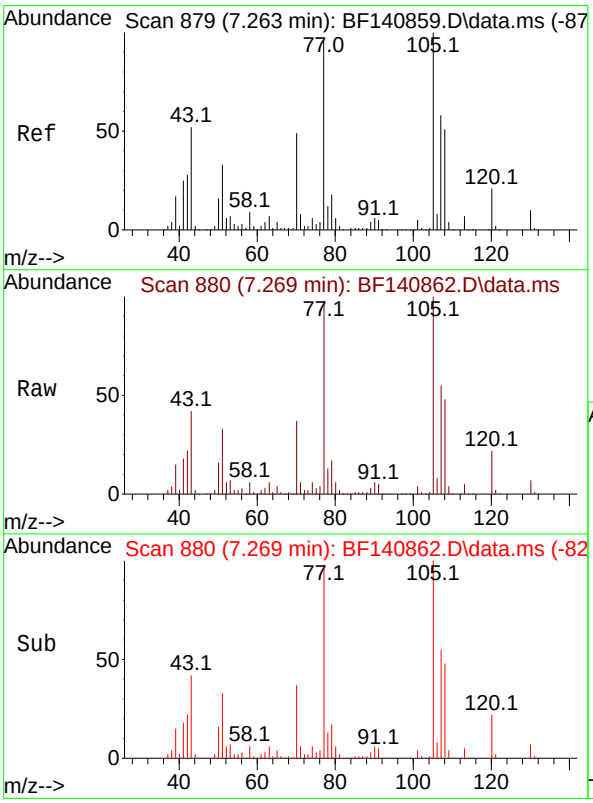

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 323165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.3 | 4.2 | 6.2 |

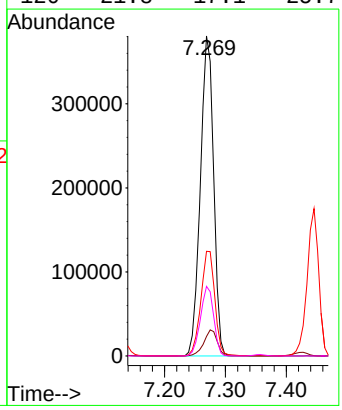


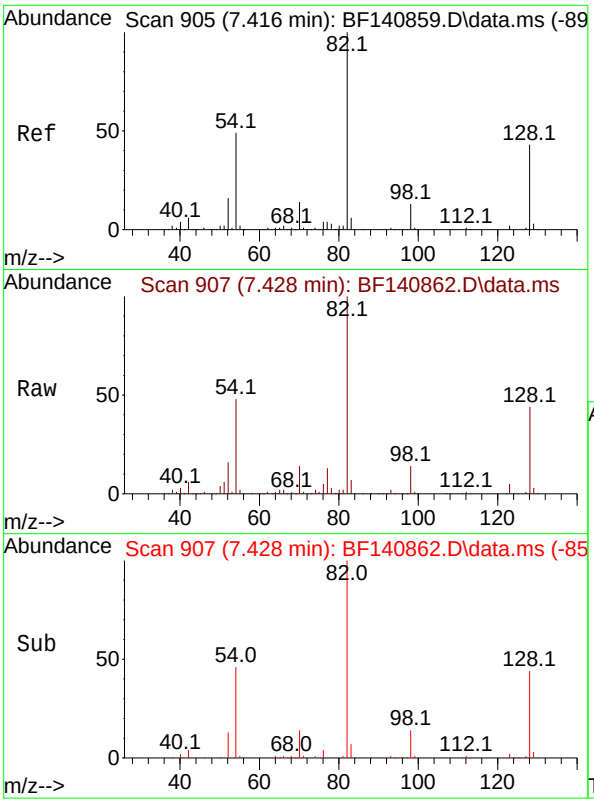




#22
Acetophenone
Concen: 71.295 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:105 Resp: 576358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.1 | 6.2 | 9.4# |
| 51 | 32.7 | 26.3 | 39.5 |
| 120 | 21.8 | 17.1 | 25.7 |



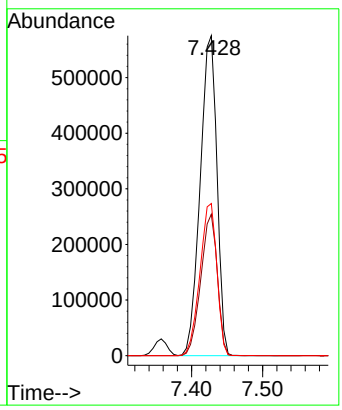


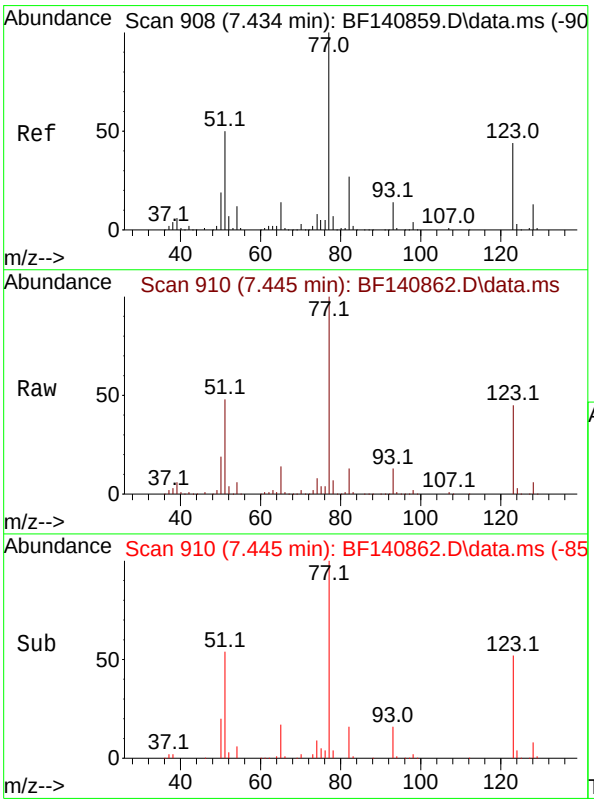

#23
Nitrobenzene-d5
Concen: 146.623 ng
RT: 7.428 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 947083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 34.4 | 51.6 |
| 54 | 47.6 | 38.8 | 58.2 |

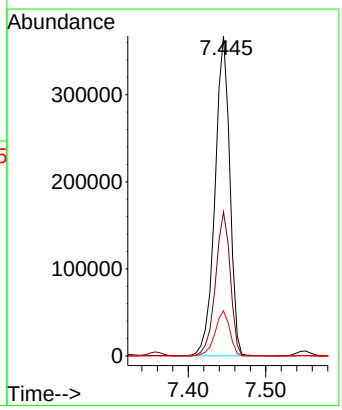


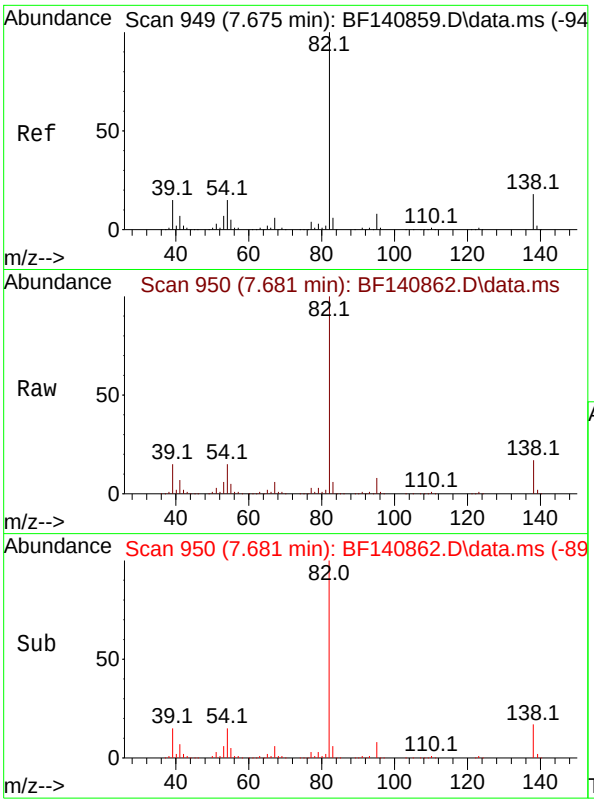




#24
Nitrobenzene
Concen: 73.246 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 77 Resp: 484693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.1 | 35.0 | 52.4 |
| 65 | 14.1 | 11.4 | 17.0 |



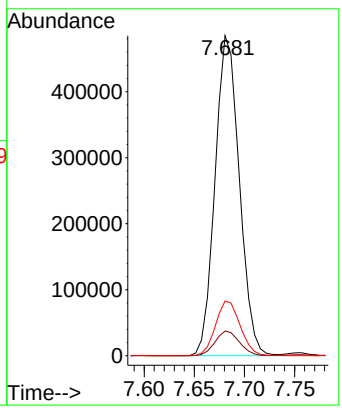


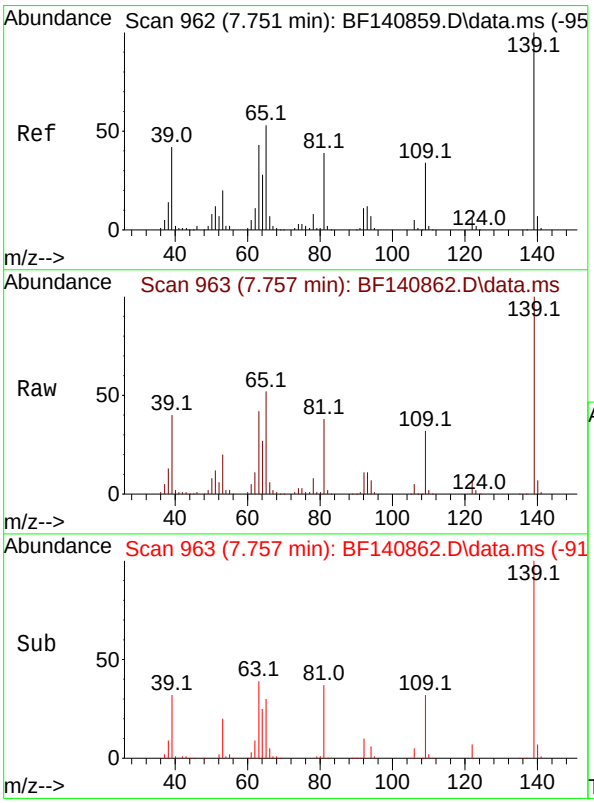

#25
Isophorone
Concen: 75.310 ng
RT: 7.681 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 815074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.7 | 6.3 | 9.5 |
| 138 | 17.1 | 14.1 | 21.1 |

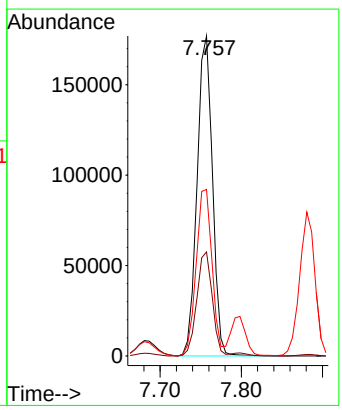


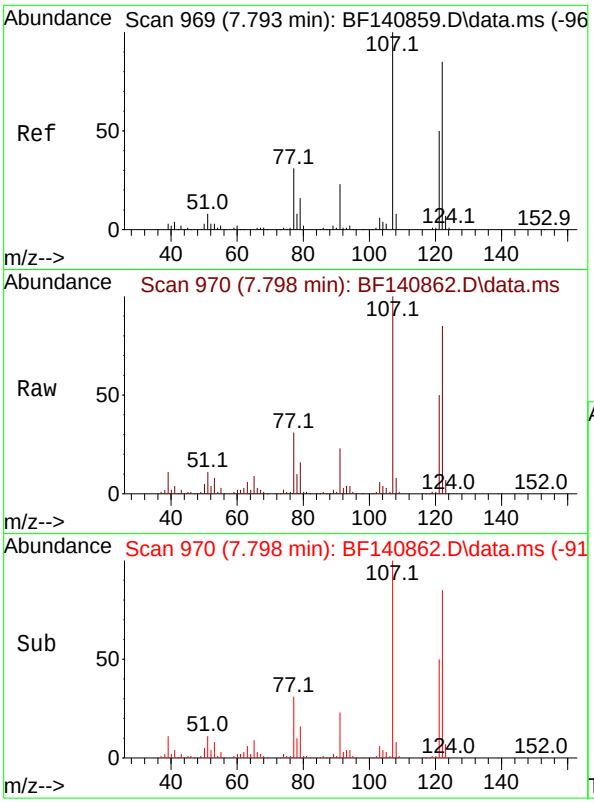




#26
2-Nitrophenol
Concen: 76.426 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:139 Resp: 232926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.5 | 26.9 | 40.3 |
| 65 | 52.1 | 42.6 | 64.0 |



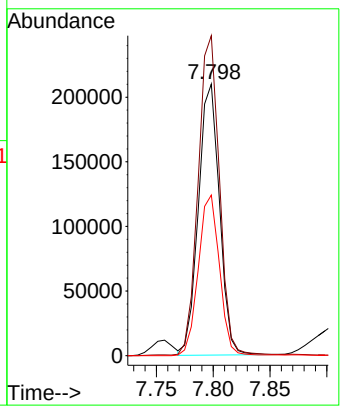


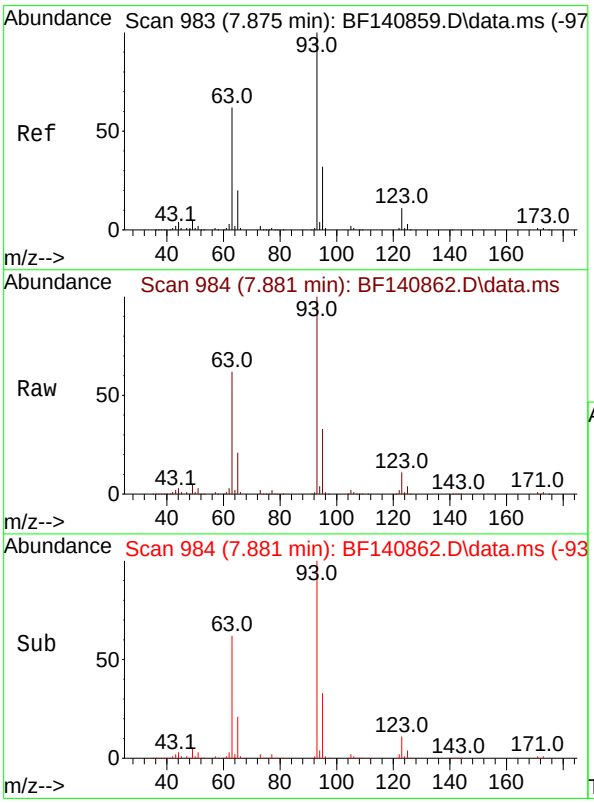

#27
2,4-Dimethylphenol
Concen: 76.101 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 270864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.8 | 92.6 | 139.0 |
| 121 | 59.1 | 45.8 | 68.8 |

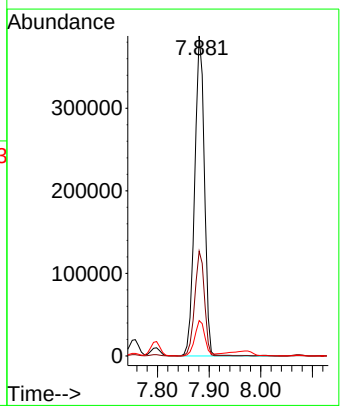


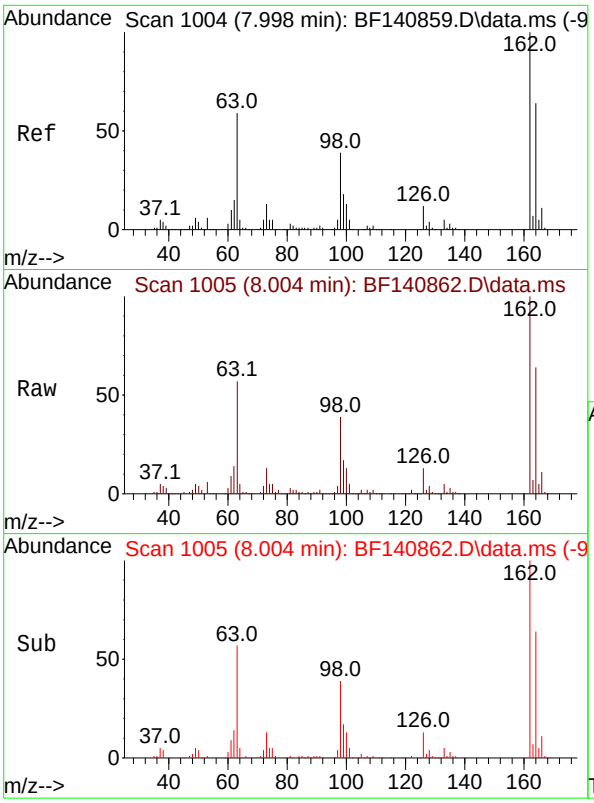




#28
bis(2-Chloroethoxy)methane
Concen: 75.263 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 93 Resp: 508754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.3 | 37.9 |
| 123 | 11.1 | 8.6 | 13.0 |



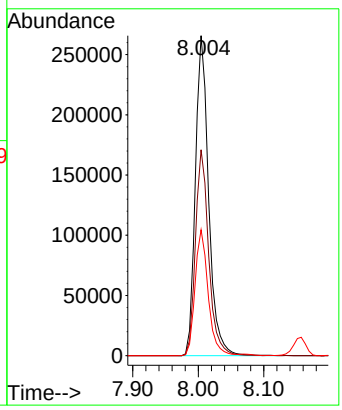


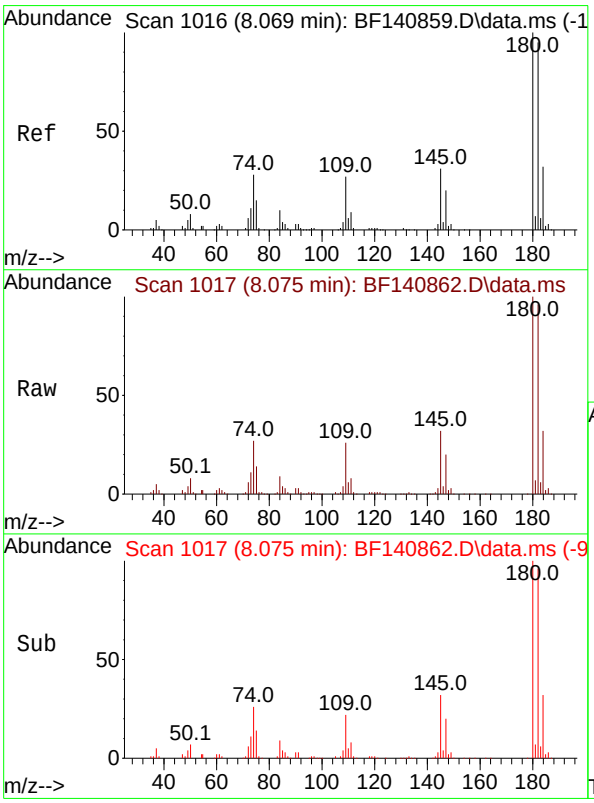

#29
2,4-Dichlorophenol
Concen: 76.199 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 374434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.7 | 83.7 |
| 98 | 39.4 | 18.6 | 58.6 |

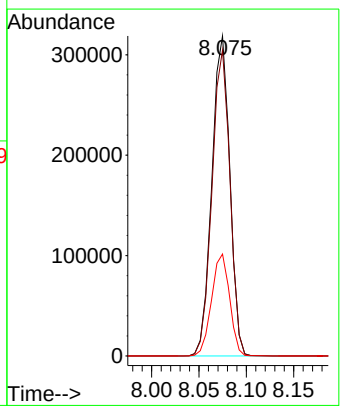


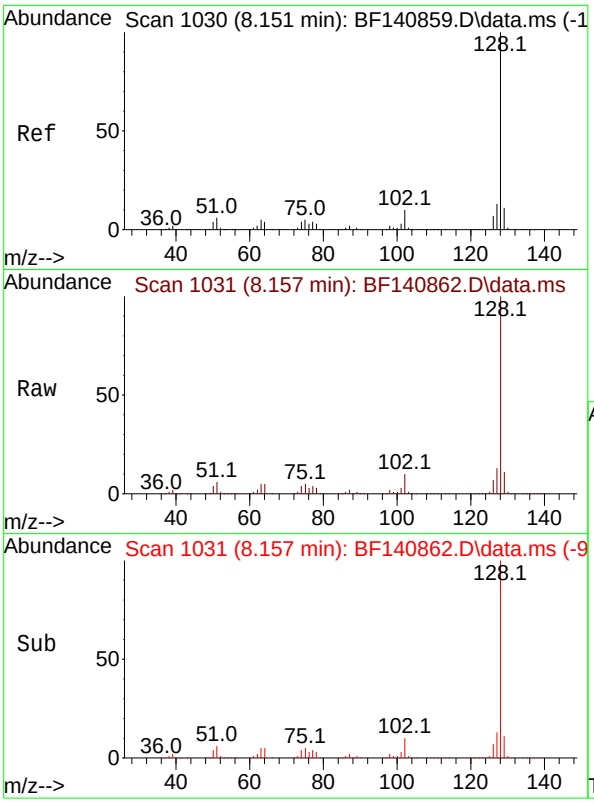




#30
1,2,4-Trichlorobenzene
Concen: 74.635 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:180 Resp: 420429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 75.8 | 113.6 |
| 145 | 31.9 | 25.2 | 37.8 |



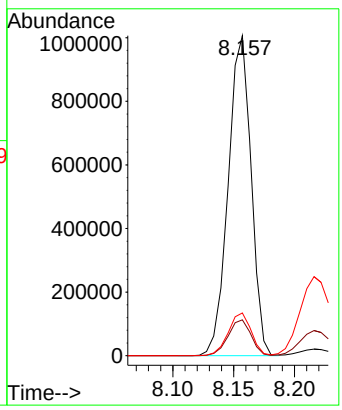


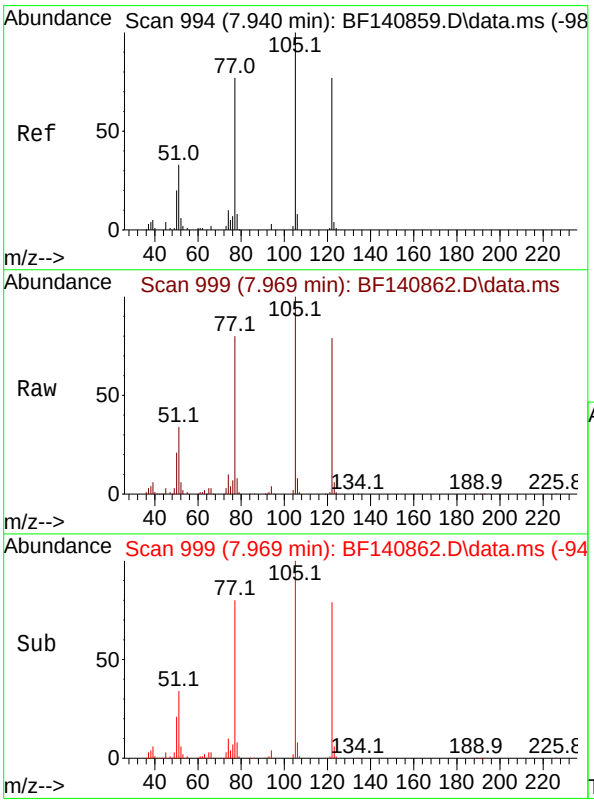

#31
Naphthalene
Concen: 74.301 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 1318982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |

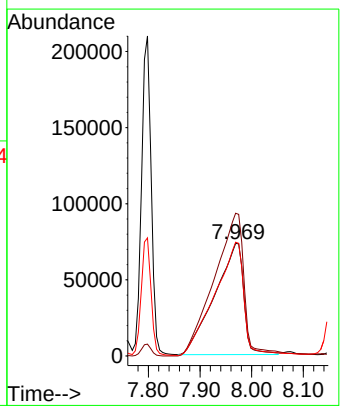


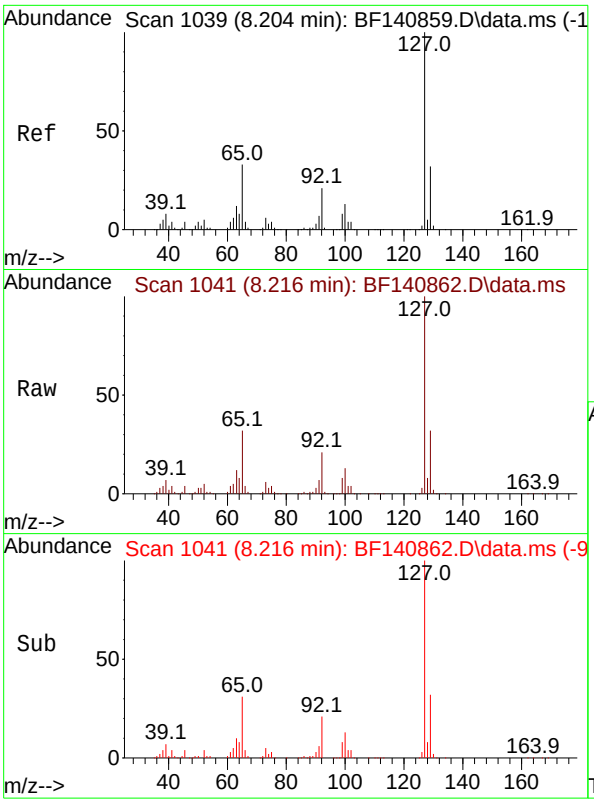




#32
Benzoic acid
Concen: 84.342 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.029 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:122 Resp: 284705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.9 | 108.3 | 148.3 |
| 77 | 101.2 | 78.8 | 118.8 |



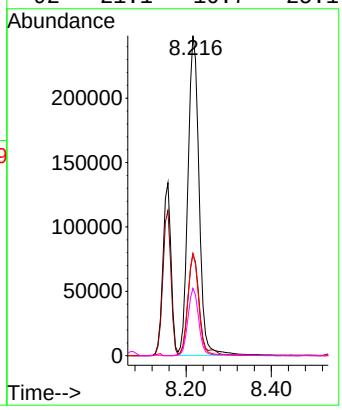


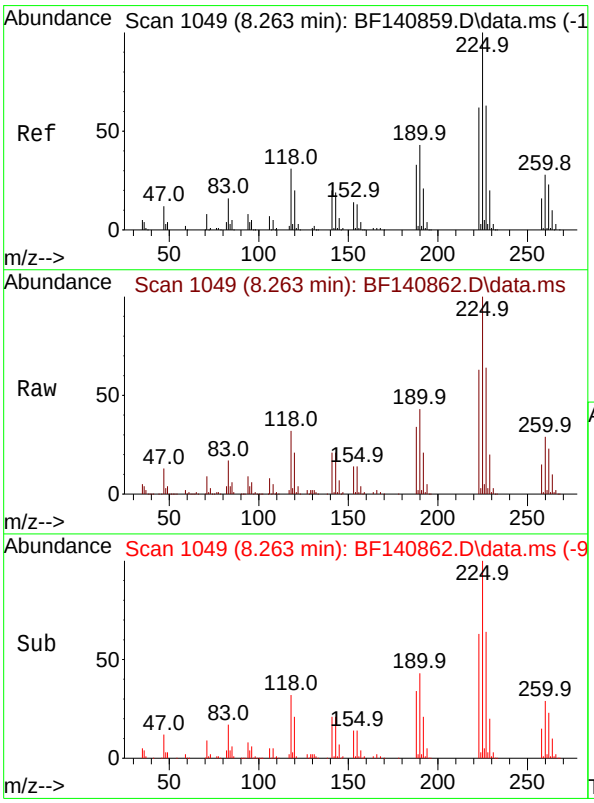

#33
4-Chloroaniline
Concen: 76.586 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 451539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 26.0 | 39.0 |
| 65 | 31.9 | 26.0 | 39.0 |
| 92 | 21.1 | 16.7 | 25.1 |

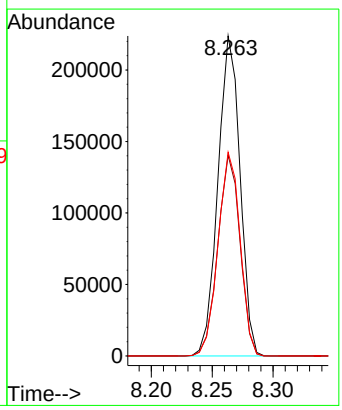


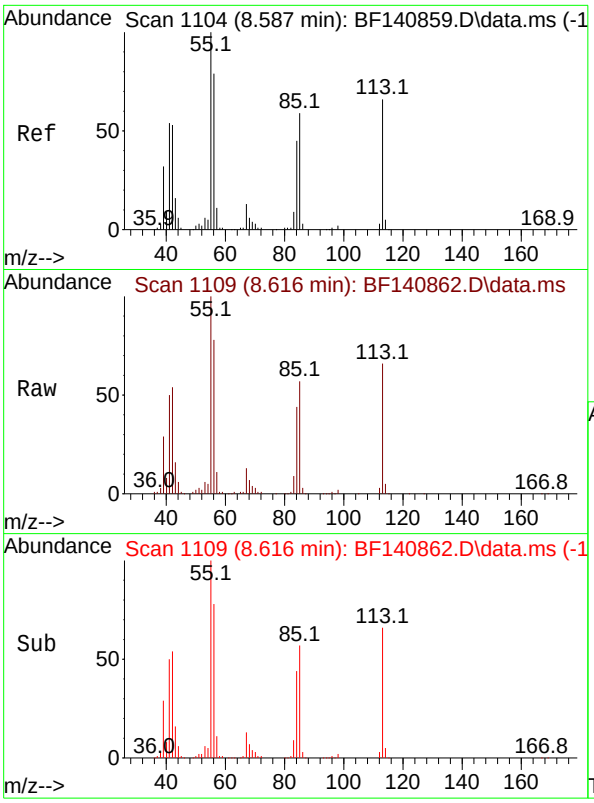




#34
Hexachlorobutadiene
Concen: 74.615 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:225 Resp: 282790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.7 | 49.6 | 74.4 |
| 227 | 63.7 | 50.7 | 76.1 |



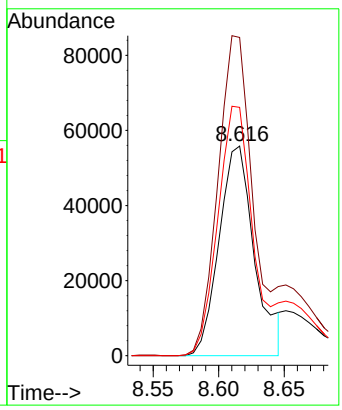


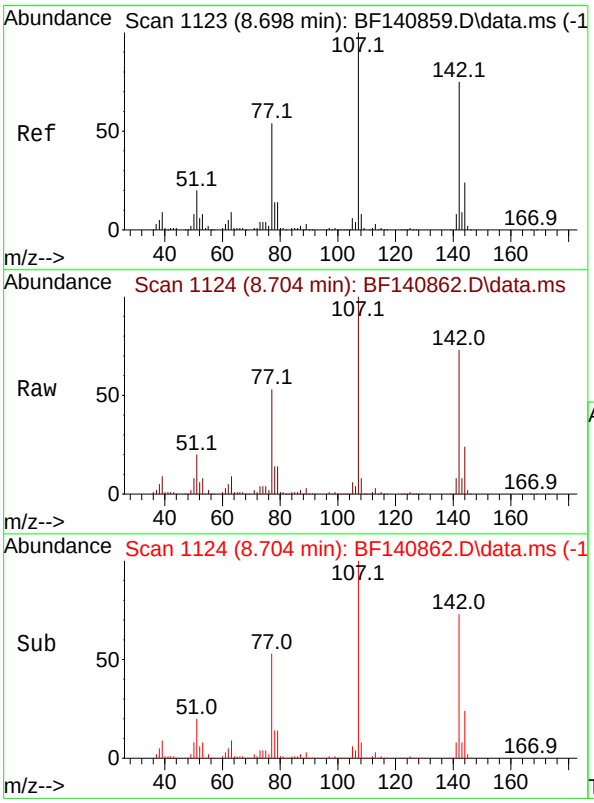

#35
Caprolactam
Concen: 71.548 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 104669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 151.8 | 132.3 | 172.3 |
| 56 | 118.4 | 100.3 | 140.3 |

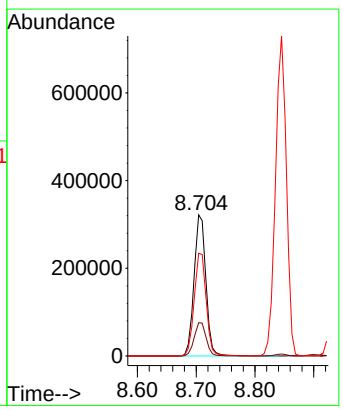


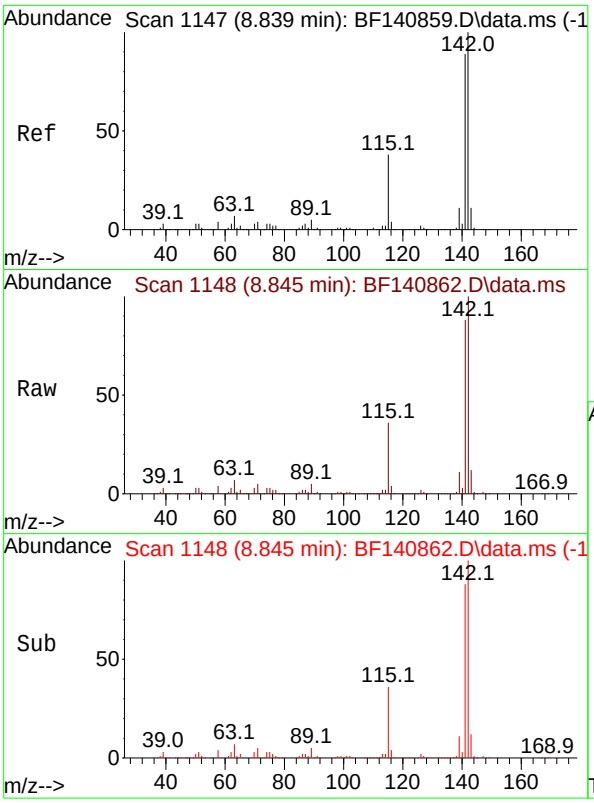




#36
4-Chloro-3-methylphenol
Concen: 81.301 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:107 Resp: 449654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.5 | 19.4 | 29.2 |
| 142 | 72.8 | 60.3 | 90.5 |



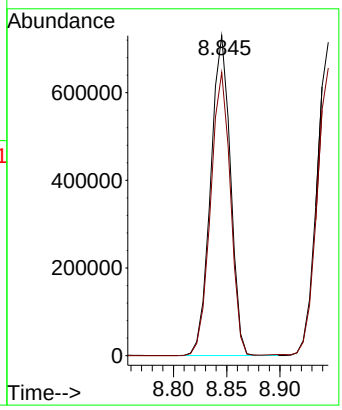


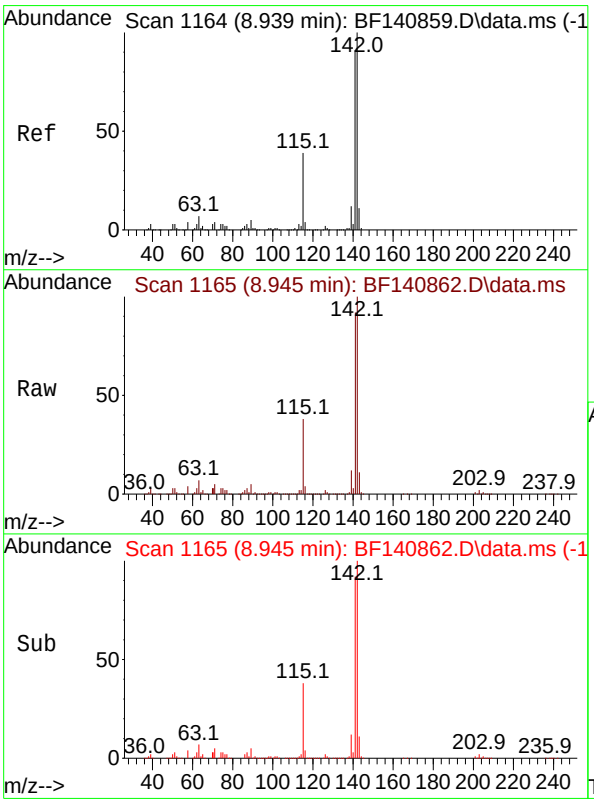

#37
2-Methylnaphthalene
Concen: 80.295 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 942892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.0 | 106.6 |

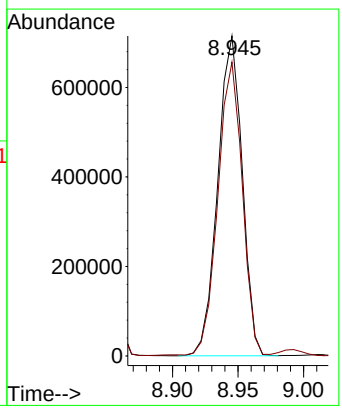


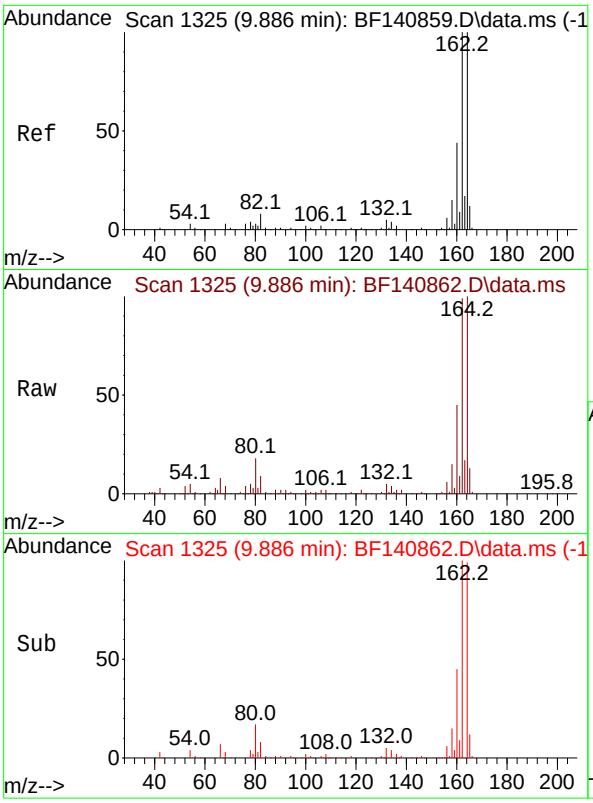




#38
1-Methylnaphthalene
Concen: 79.695 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:142 Resp: 925535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.4 | 110.0 |



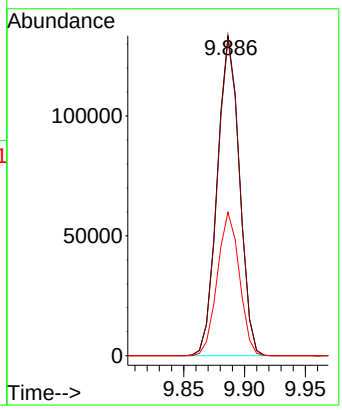


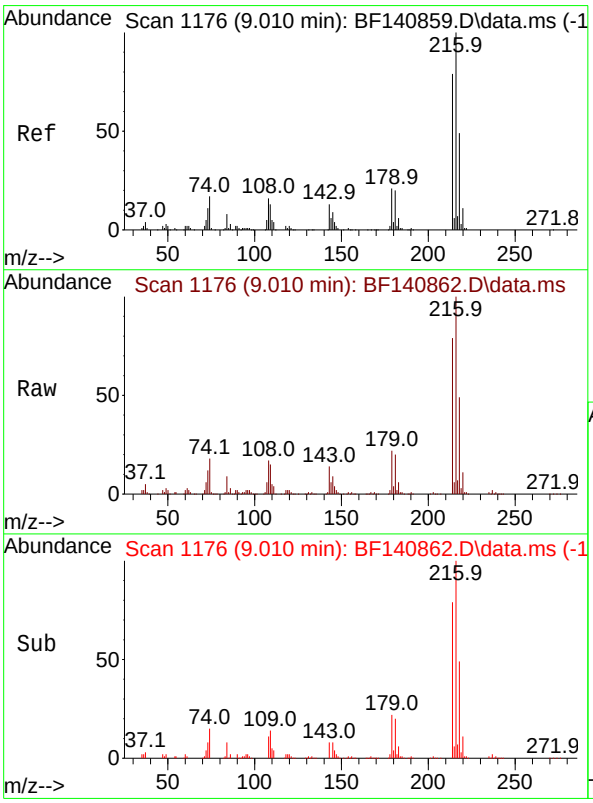

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 169321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 79.9 | 119.9 |
| 160 | 44.8 | 35.2 | 52.8 |

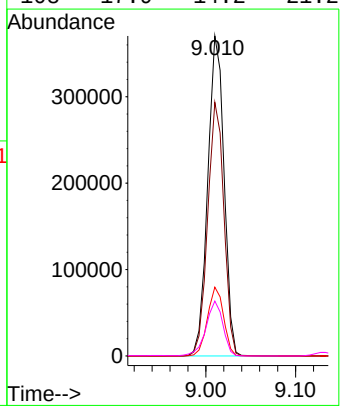


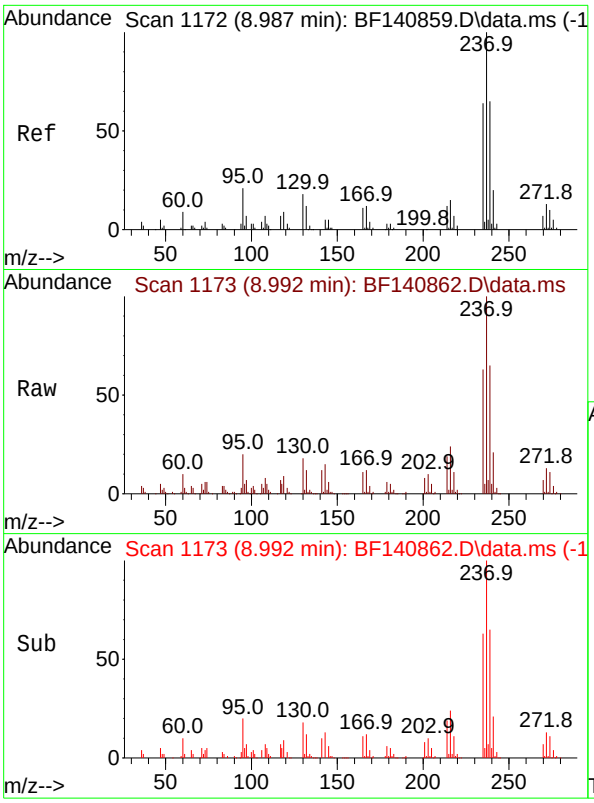




#40
1,2,4,5-Tetrachlorobenzene
Concen: 89.625 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:216 Resp: 466438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 63.6 | 95.4 |
| 179 | 21.3 | 17.0 | 25.4 |
| 108 | 17.9 | 14.2 | 21.2 |



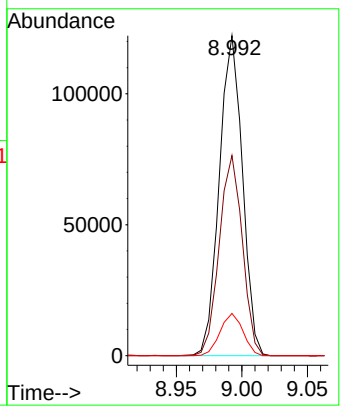


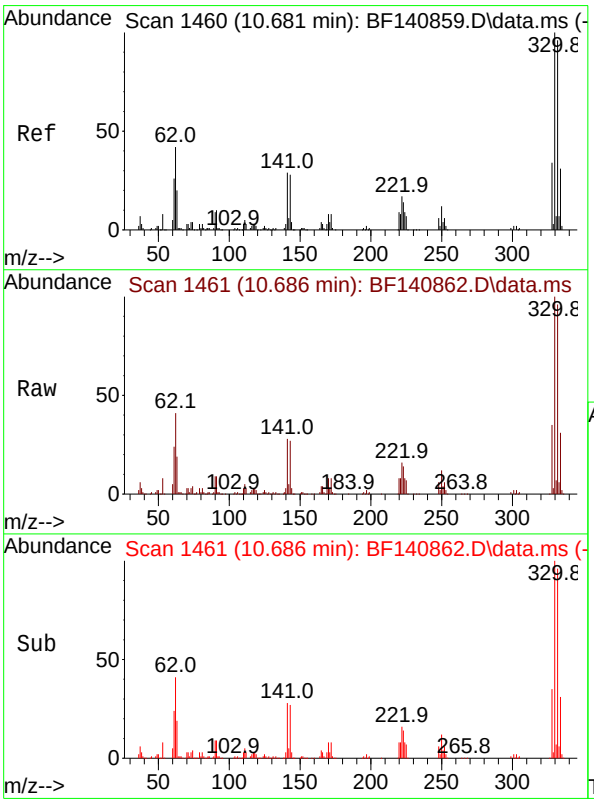

#41
Hexachlorocyclopentadiene
Concen: 80.025 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 149909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.7 | 83.7 |
| 272 | 13.2 | 0.0 | 32.9 |

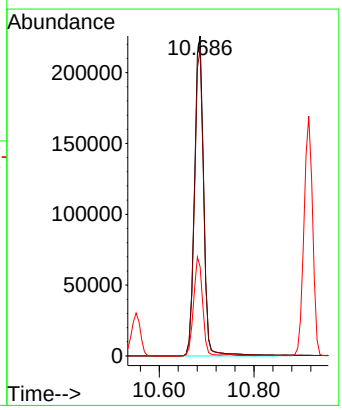


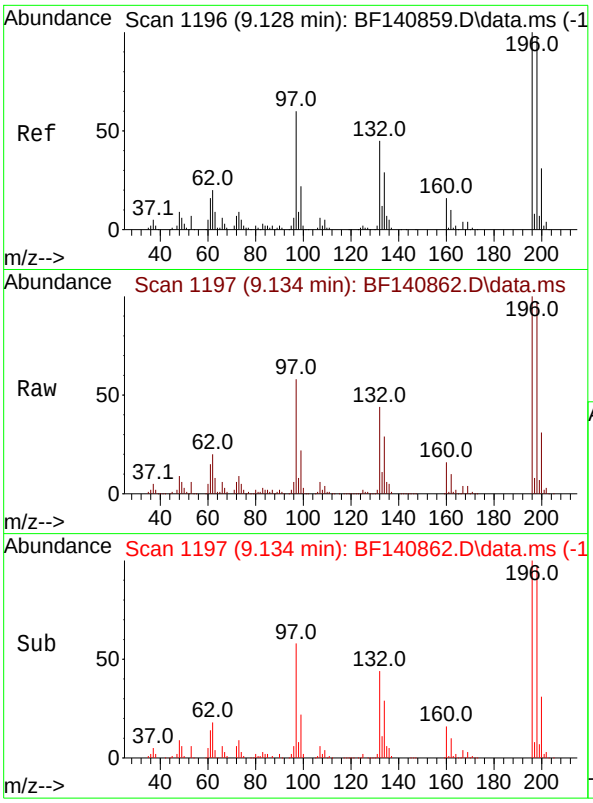




#42
2,4,6-Tribromophenol
Concen: 152.164 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:330 Resp: 304721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.2 | 114.4 |
| 141 | 30.2 | 24.9 | 37.3 |



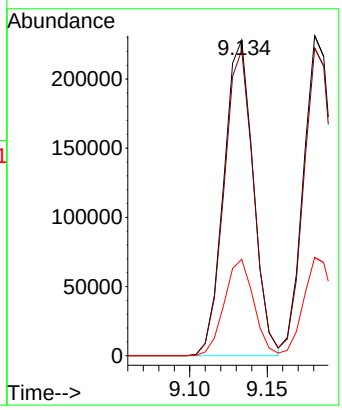


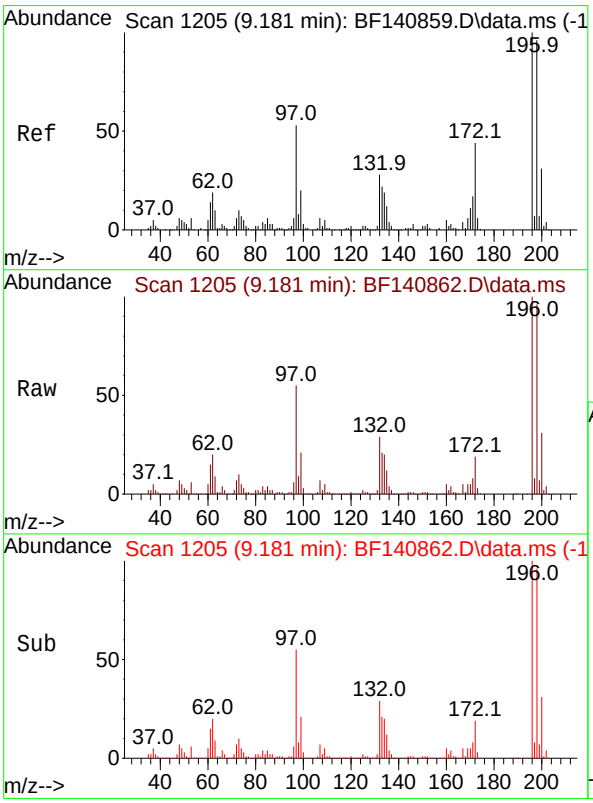

#43
2,4,6-Trichlorophenol
Concen: 94.714 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 301828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 77.4 | 116.0 |
| 200 | 30.5 | 24.5 | 36.7 |

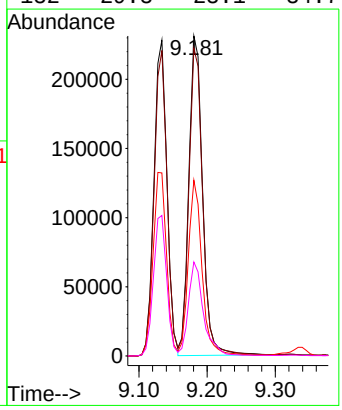


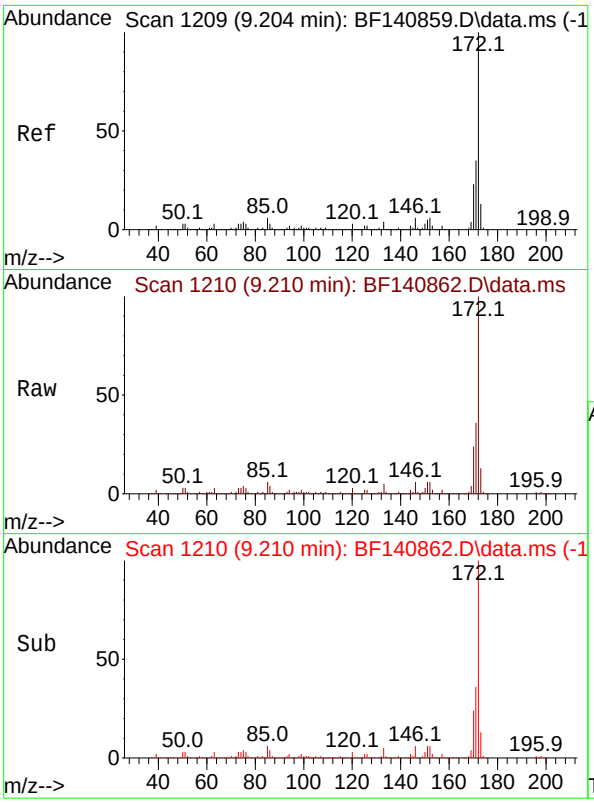




#44
2,4,5-Trichlorophenol
Concen: 91.760 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:196 Resp: 321402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 77.2 | 115.8 |
| 97 | 54.9 | 42.2 | 63.4 |
| 132 | 29.3 | 23.1 | 34.7 |



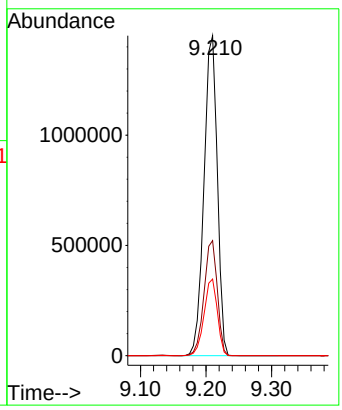


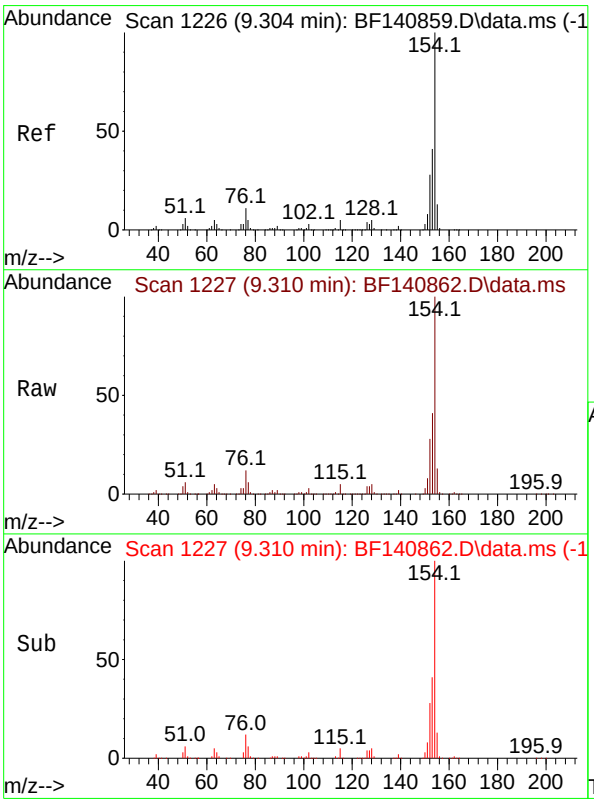

#45
2-Fluorobiphenyl
Concen: 166.807 ng
RT: 9.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 2054327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.4 | 42.6 |
| 170 | 24.0 | 18.6 | 28.0 |

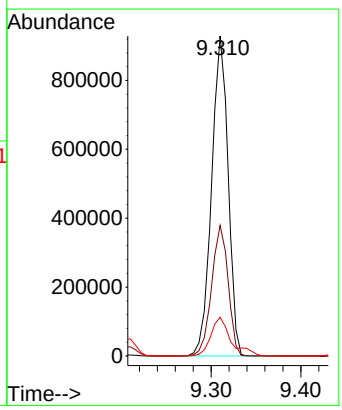


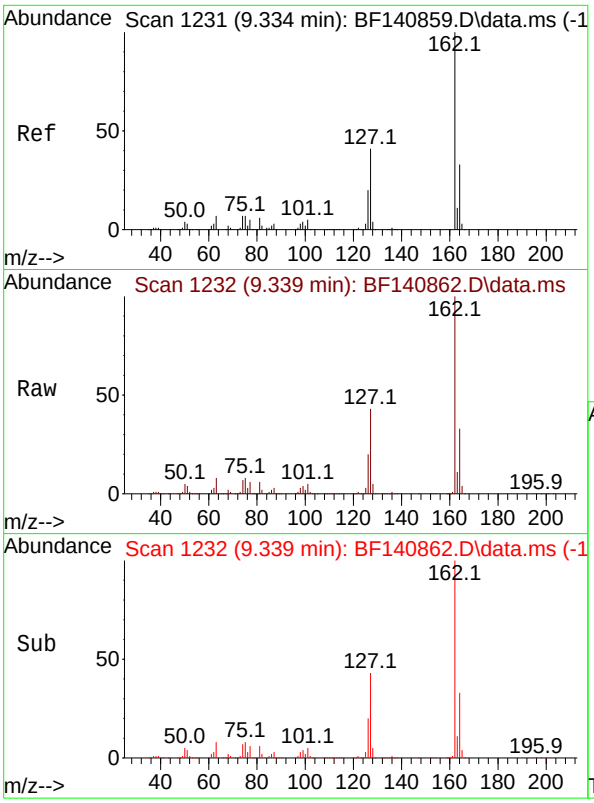




#46
1,1'-Biphenyl
Concen: 88.155 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:154 Resp: 1186930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.8 | 20.8 | 60.8 |
| 76 | 12.1 | 0.0 | 31.0 |



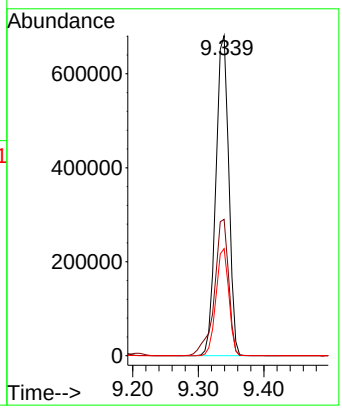


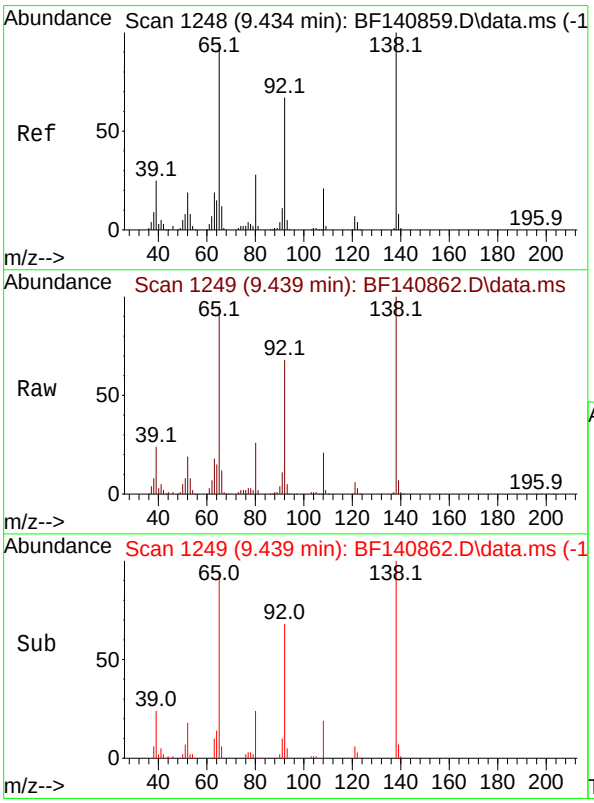

#47
2-Chloronaphthalene
Concen: 90.075 ng
RT: 9.339 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 927799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.6 | 33.5 | 50.3 |
| 164 | 33.4 | 26.2 | 39.2 |

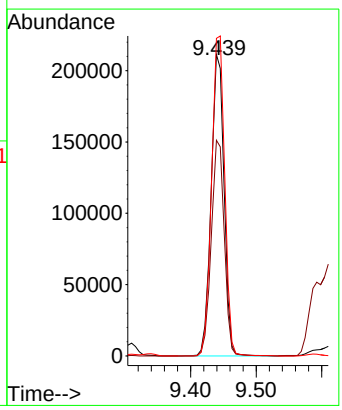


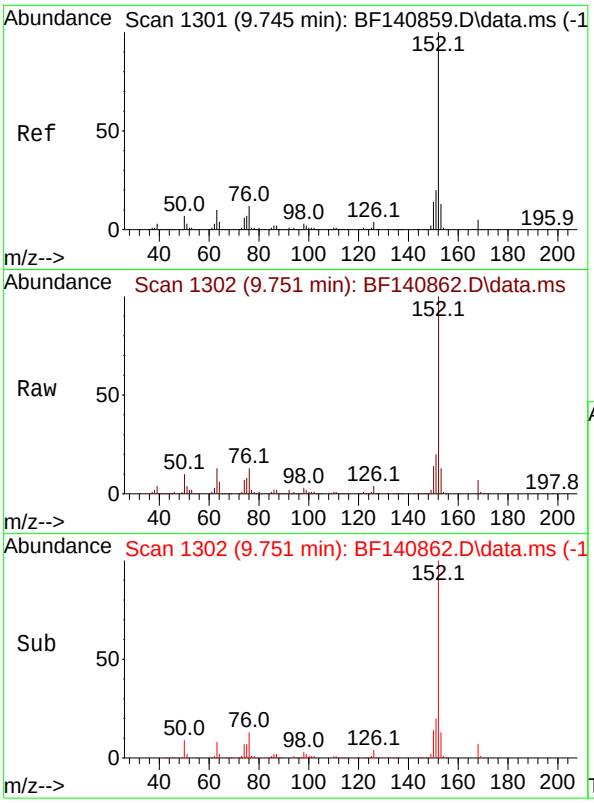




#48
2-Nitroaniline
Concen: 93.162 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 65 Resp: 289810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.5 | 56.3 | 84.5 |
| 138 | 105.3 | 83.8 | 125.6 |



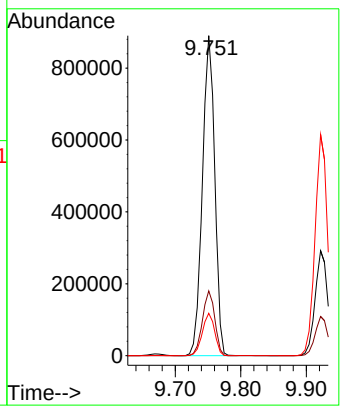


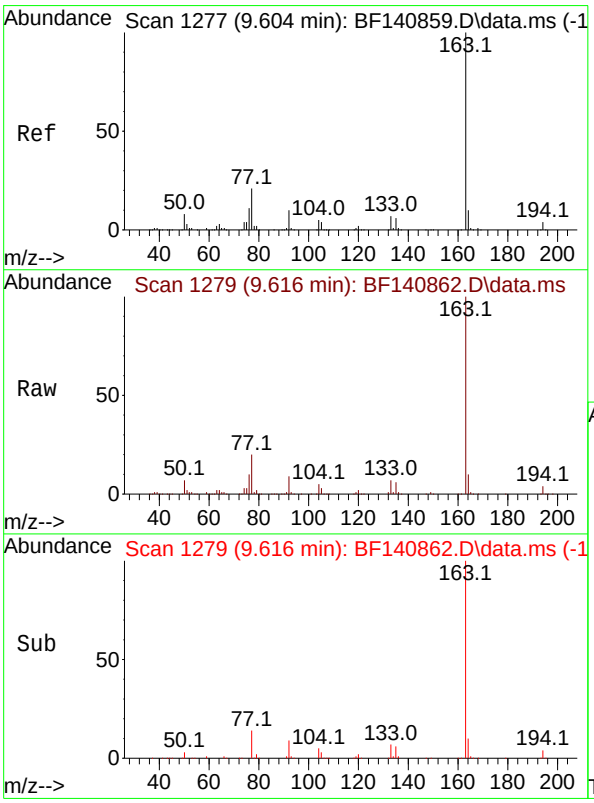

#49
Acenaphthylene
Concen: 77.278 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 1169747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 16.0 |

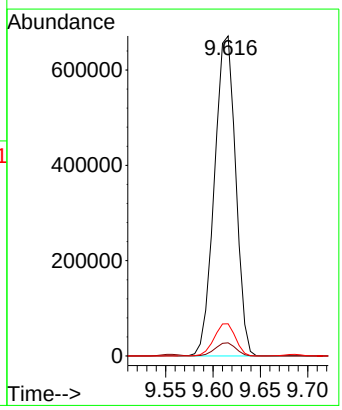


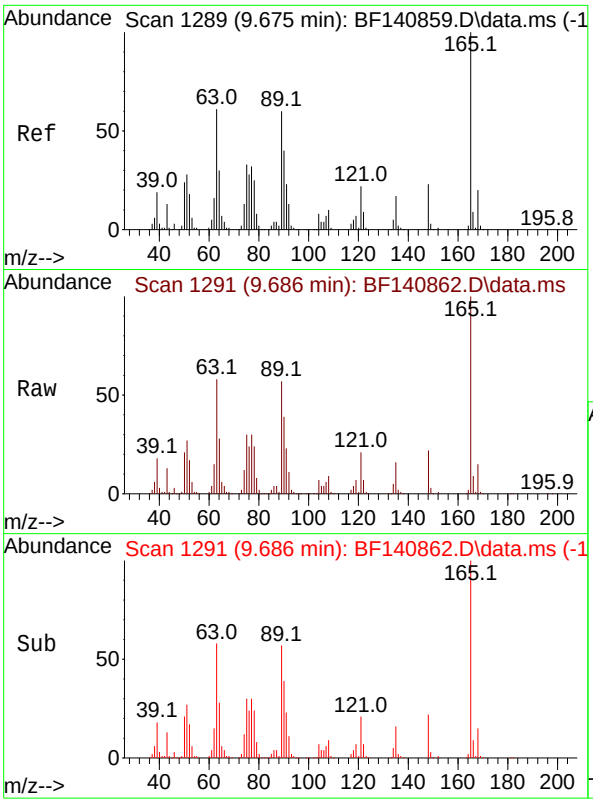




#50
Dimethylphthalate
Concen: 87.890 ng
RT: 9.616 min Scan# 1279
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:163 Resp: 1049196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.1 | 12.1 |



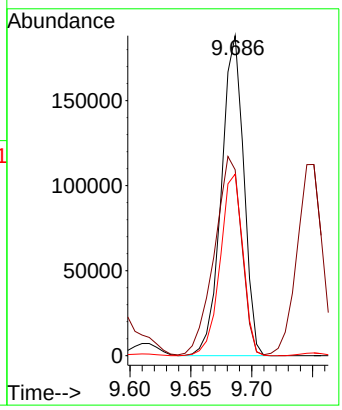


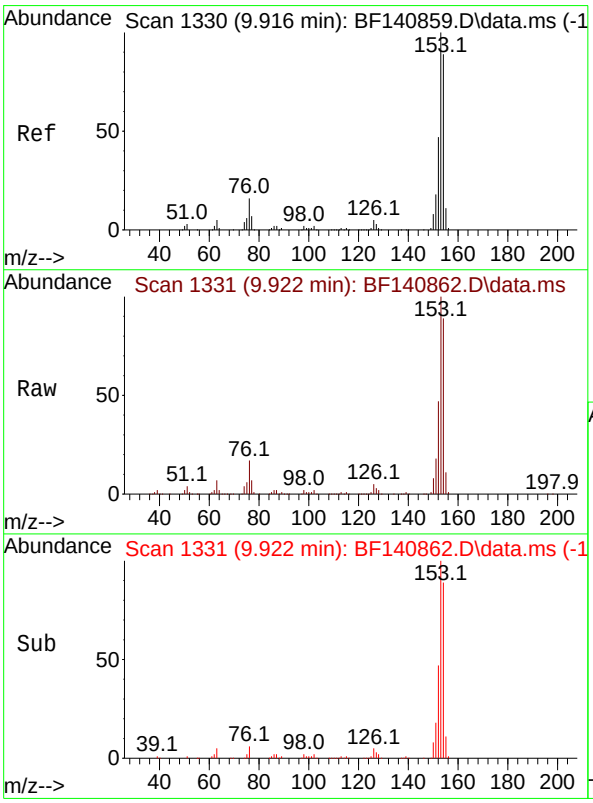

#51
2,6-Dinitrotoluene
Concen: 88.104 ng
RT: 9.686 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 240439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.1 | 49.7 | 74.5 |
| 89 | 56.8 | 48.2 | 72.4 |

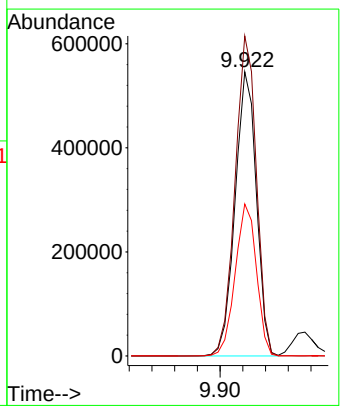


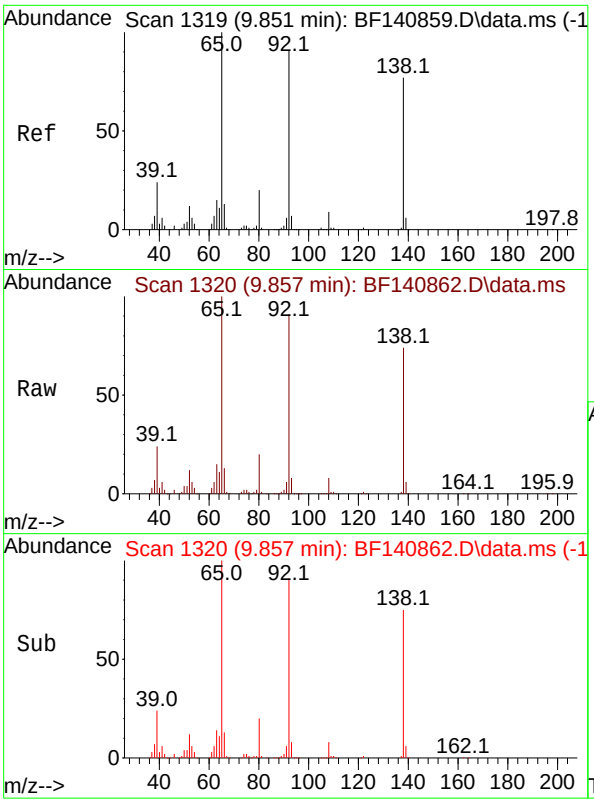




#52
Acenaphthene
Concen: 73.511 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:154 Resp: 710789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.6 | 89.9 | 134.9 |
| 152 | 53.5 | 42.6 | 63.8 |



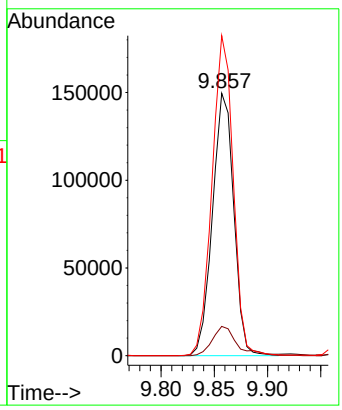


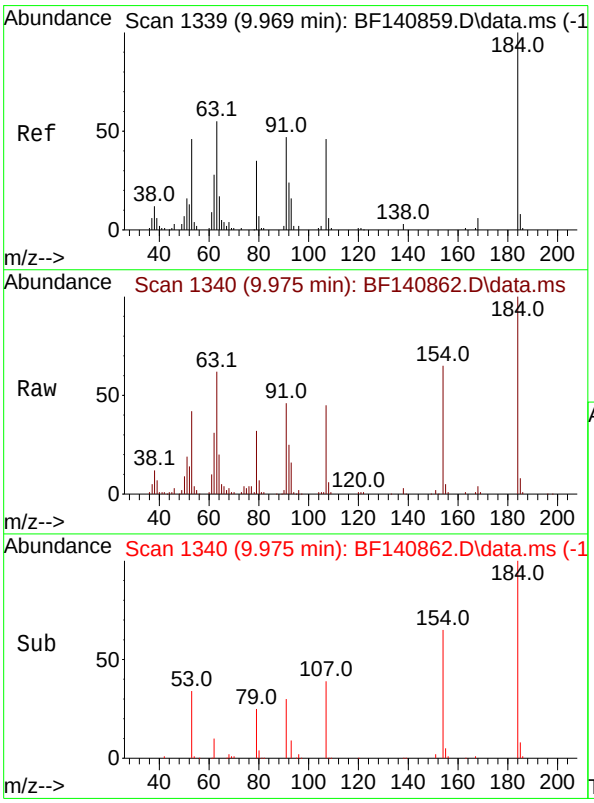

#53
3-Nitroaniline
Concen: 76.804 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 208004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 122.0 | 95.5 | 143.3 |

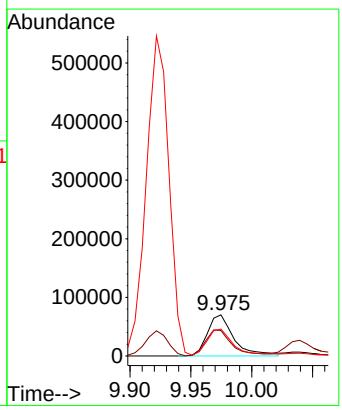


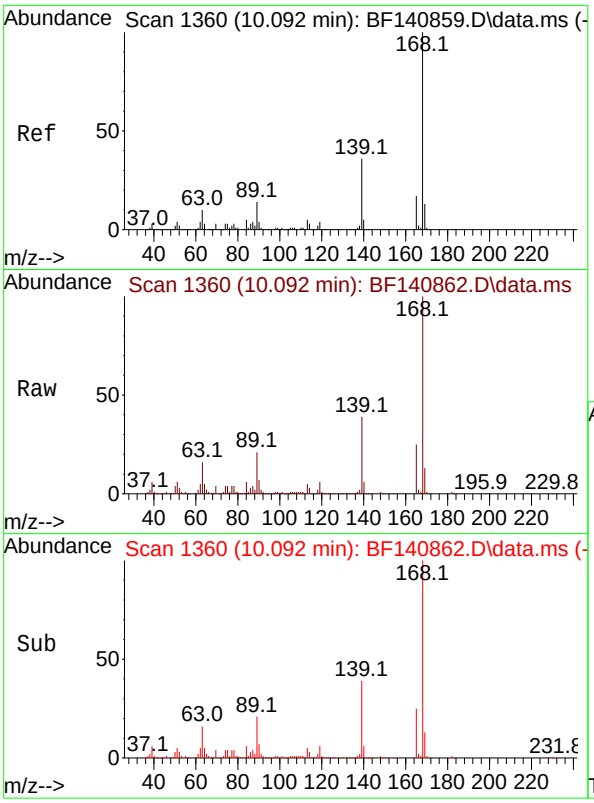




#54
2,4-Dinitrophenol
Concen: 79.797 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:184 Resp: 106230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.0 | 51.6 | 77.4 |
| 154 | 65.4 | 56.1 | 84.1 |



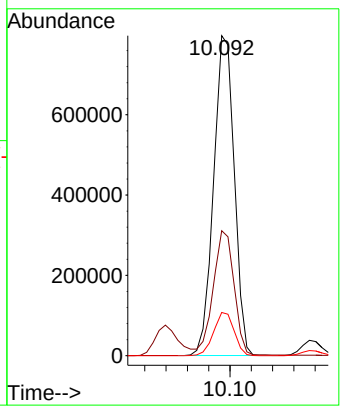


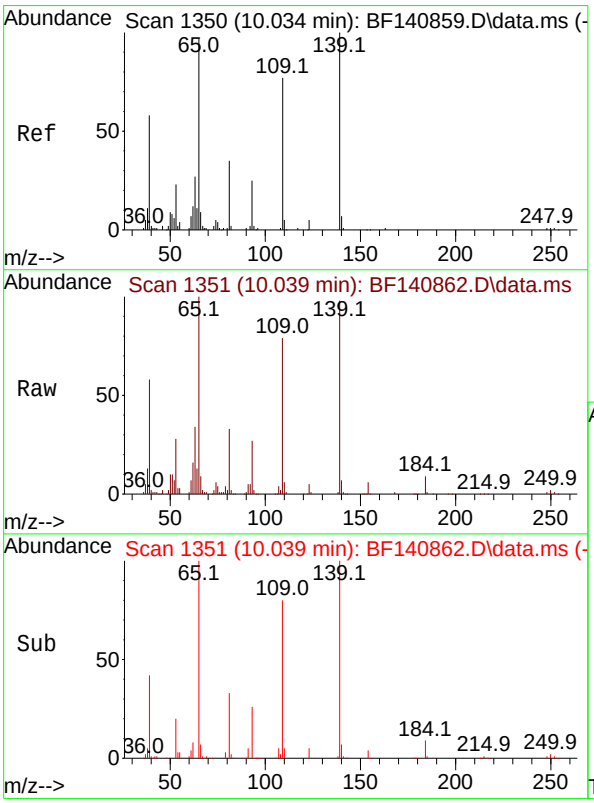

#55
Dibenzofuran
Concen: 71.543 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 1071923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.1 | 31.1 | 46.7 |
| 169 | 13.5 | 10.6 | 16.0 |

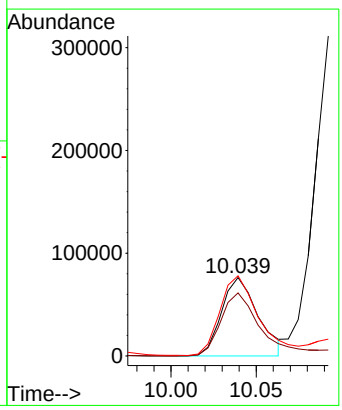


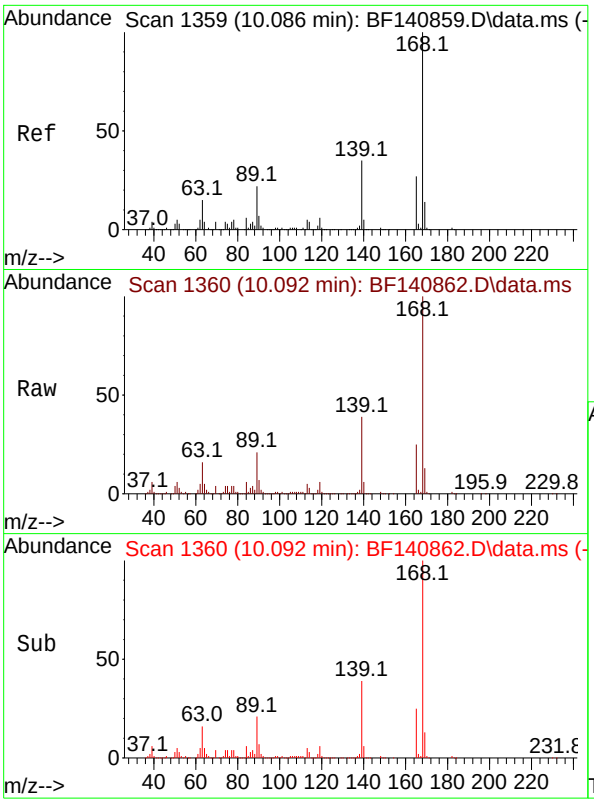




#56
4-Nitrophenol
Concen: 77.685 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:139 Resp: 112972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.5 | 56.7 | 96.7 |
| 65 | 102.3 | 78.1 | 118.1 |



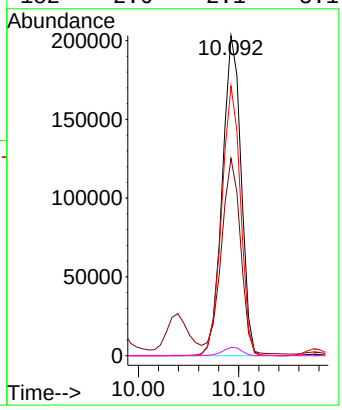


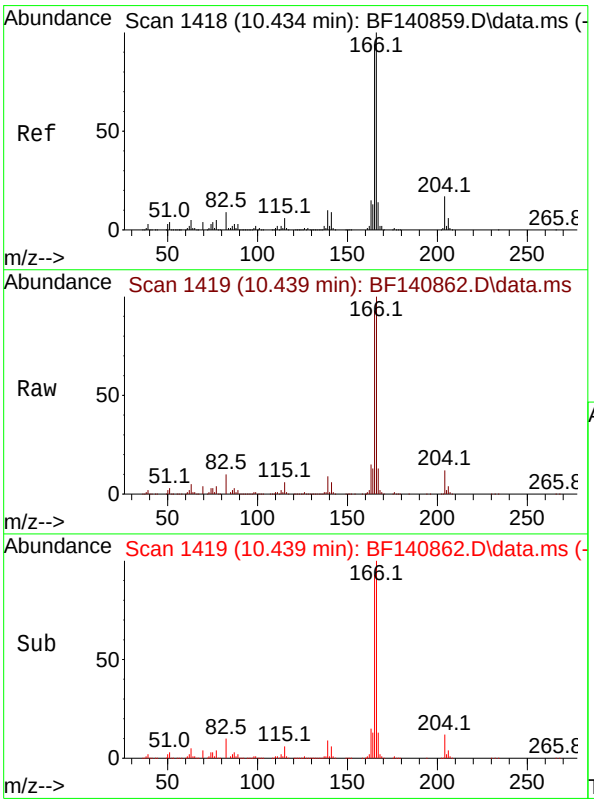

#57
2,4-Dinitrotoluene
Concen: 73.423 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 263636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 49.3 | 73.9 |
| 89 | 84.3 | 66.2 | 99.4 |
| 182 | 2.6 | 2.1 | 3.1 |

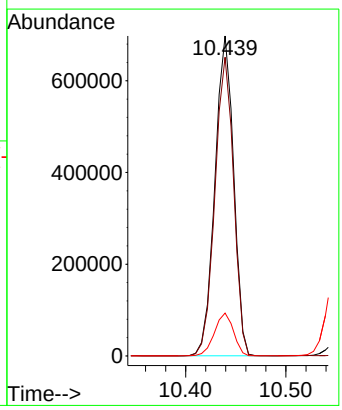


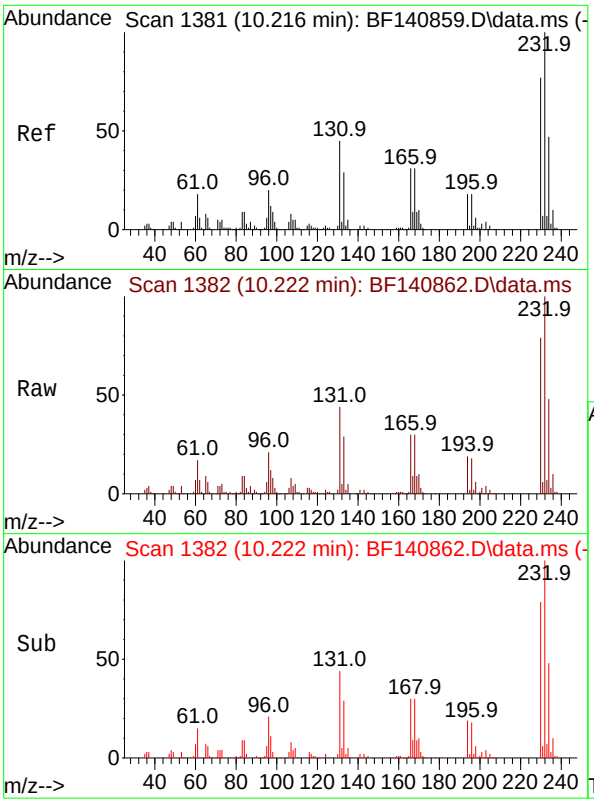




#58
Fluorene
Concen: 73.147 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:166 Resp: 904163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.3 | 75.1 | 112.7 |
| 167 | 13.4 | 11.1 | 16.7 |



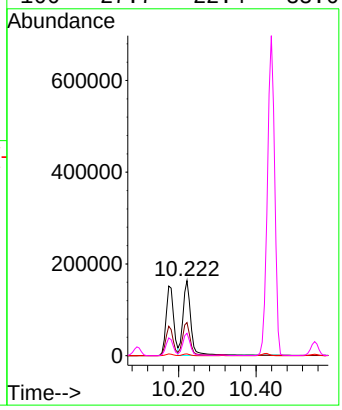


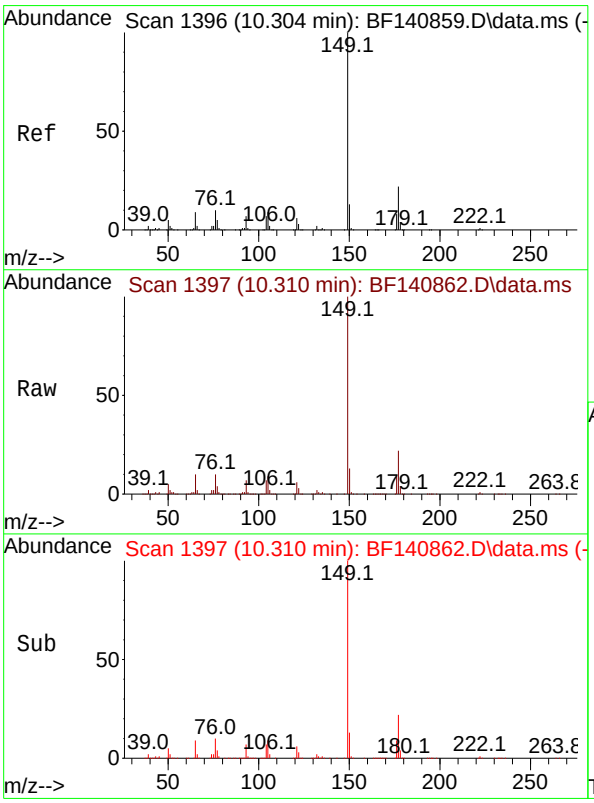

#59
2,3,4,6-Tetrachlorophenol
Concen: 80.870 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 230812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.4 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 27.7 | 22.4 | 33.6 |

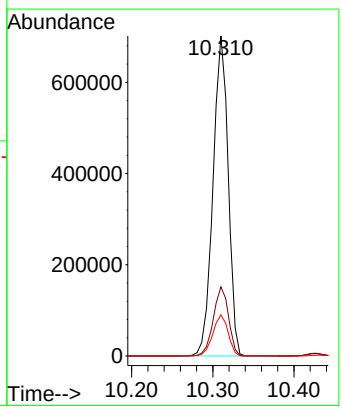


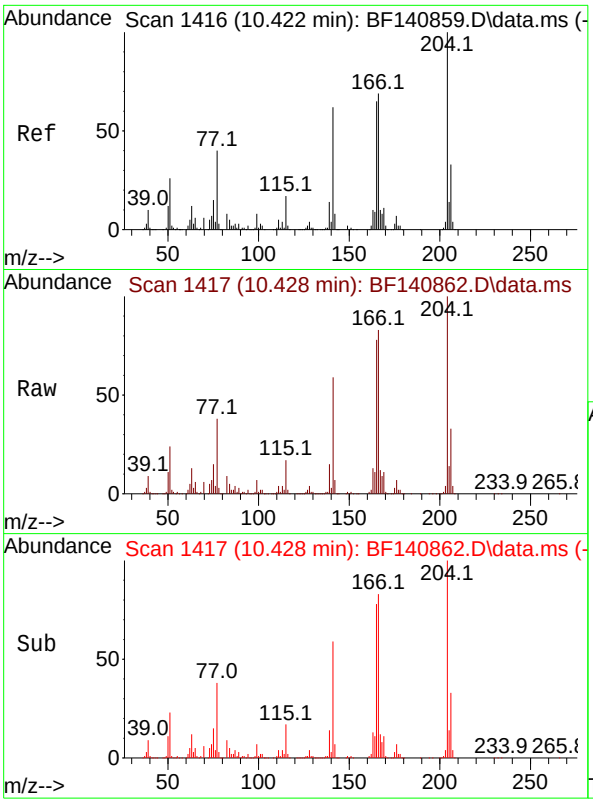




#60
Diethylphthalate
Concen: 73.664 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 911868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.2 | 25.8 |
| 150 | 12.8 | 10.1 | 15.1 |



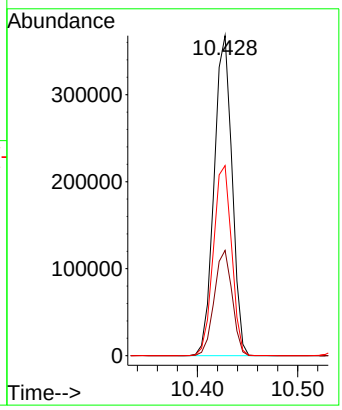


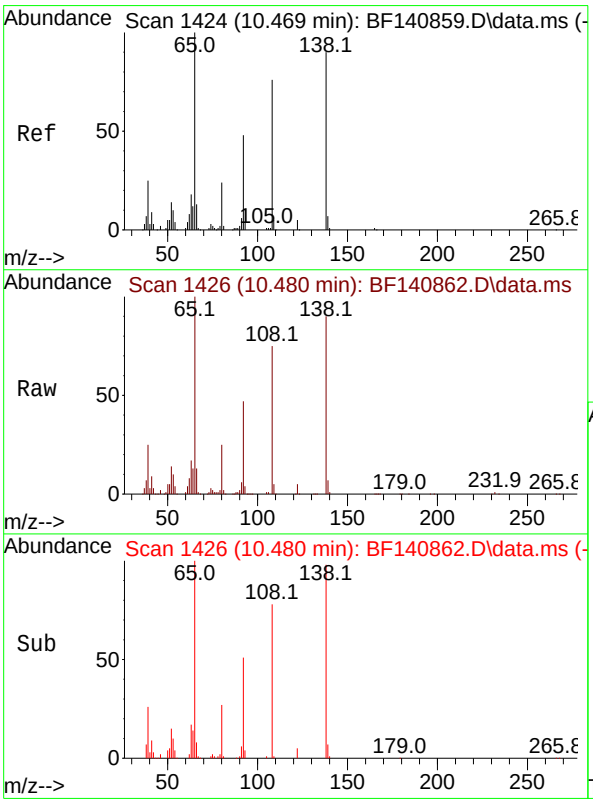

#61
4-Chlorophenyl-phenylether
Concen: 73.562 ng
RT: 10.428 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 456754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.5 | 39.7 |
| 141 | 59.4 | 50.0 | 75.0 |

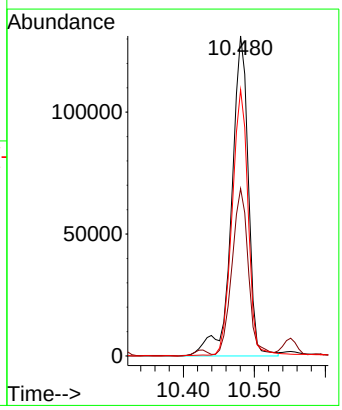


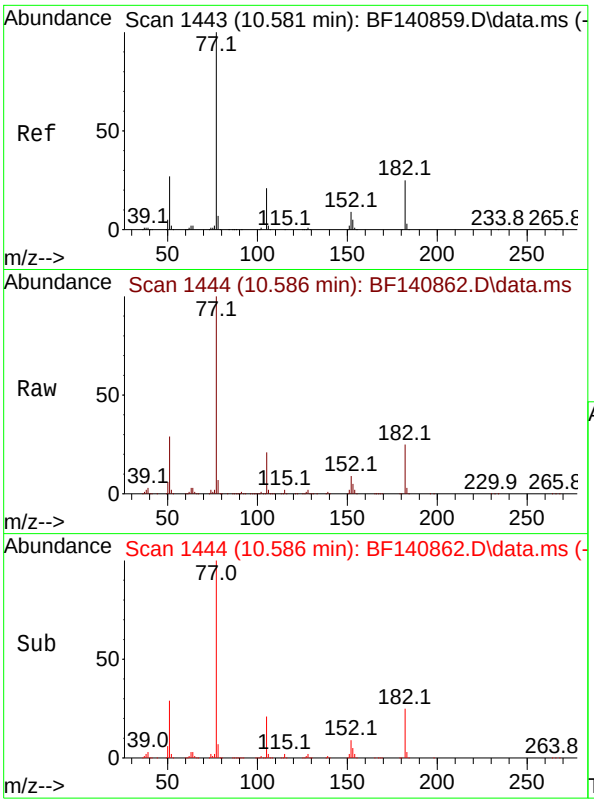




#62
4-Nitroaniline
Concen: 76.547 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:138 Resp: 216635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.3 | 32.6 | 72.6 |
| 108 | 83.2 | 64.1 | 104.1 |



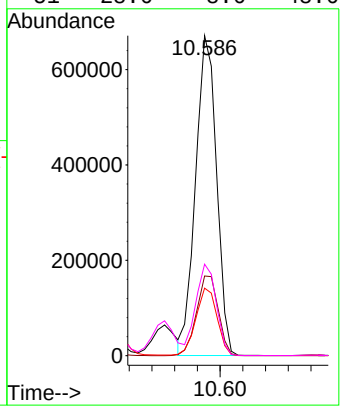


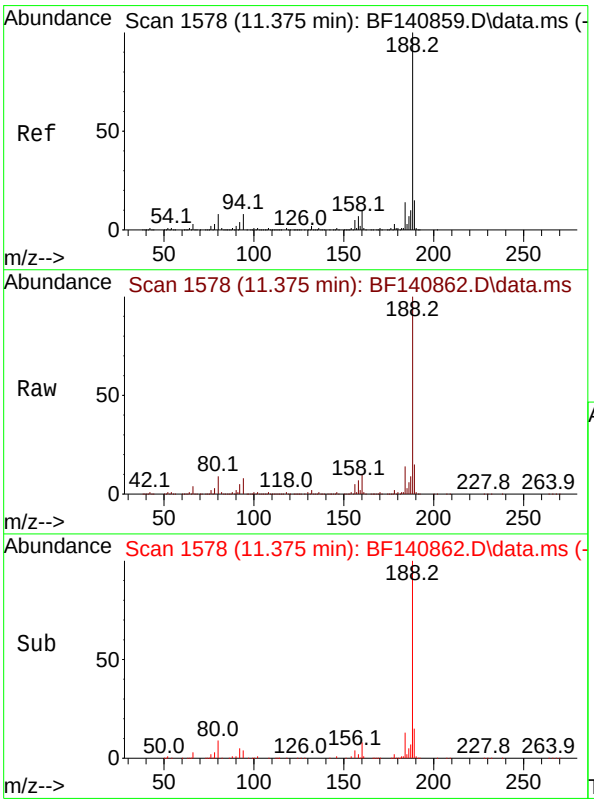

#63
Azobenzene
Concen: 74.110 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 862457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.9 | 4.5 | 44.5 |
| 105 | 21.1 | 0.9 | 40.9 |
| 51 | 28.6 | 8.6 | 48.6 |

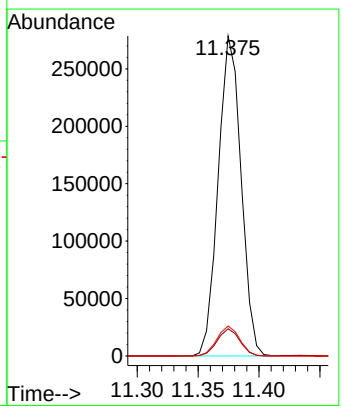


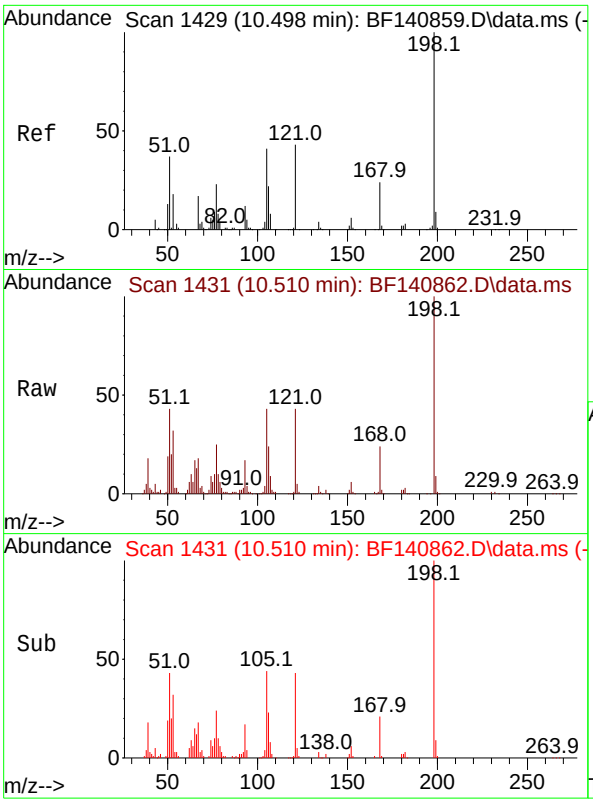




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:188 Resp: 364516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 9.4 | 6.8 | 10.2 |



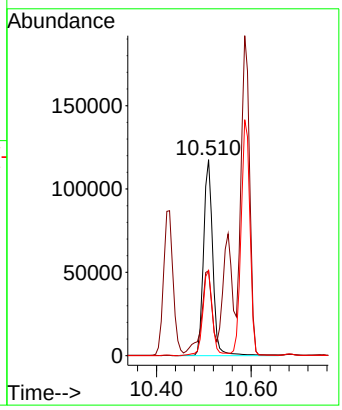


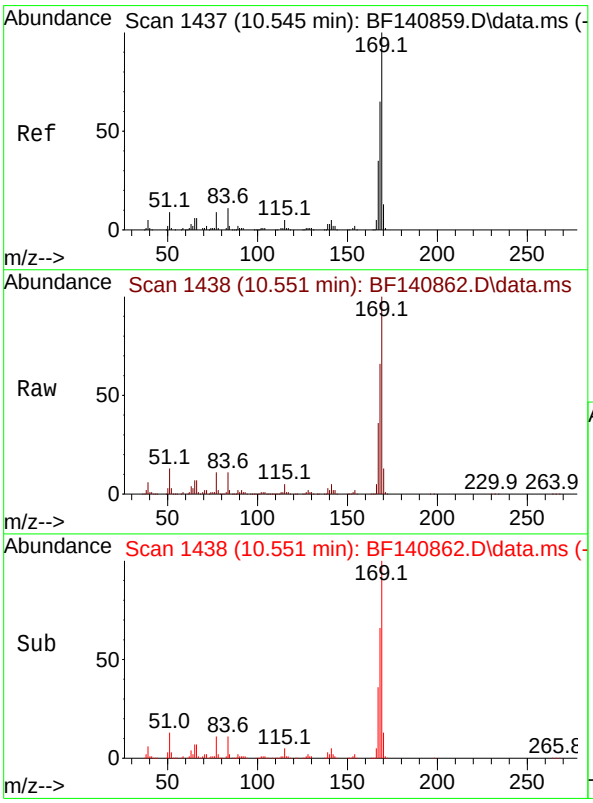

#65
4,6-Dinitro-2-methylphenol
Concen: 76.975 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 158996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.3 | 24.4 | 64.4 |
| 105 | 43.4 | 22.1 | 62.1 |

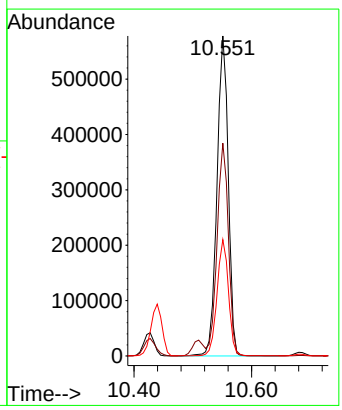


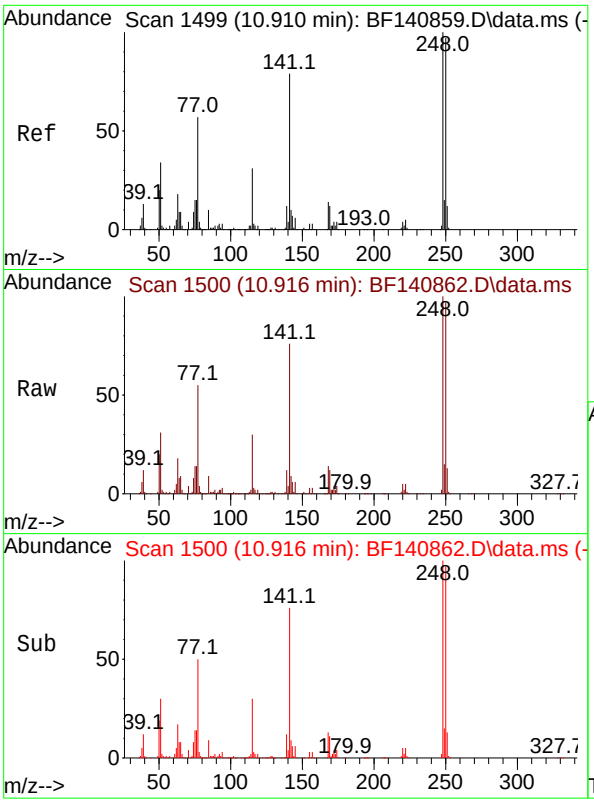




#66
n-Nitrosodiphenylamine
Concen: 68.519 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:169 Resp: 767906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.4 | 80.0 |
| 167 | 36.3 | 28.3 | 42.5 |



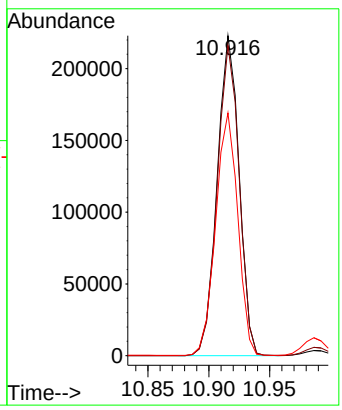


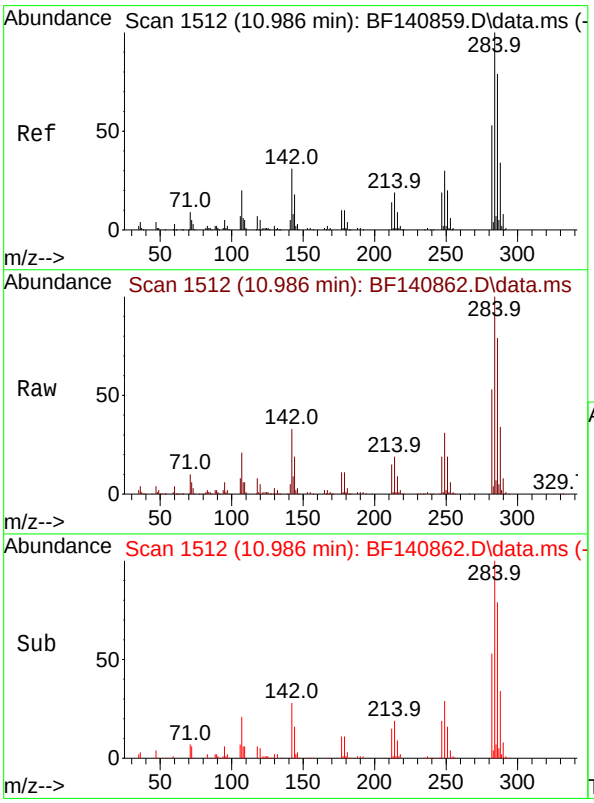

#67
4-Bromophenyl-phenylether
Concen: 68.648 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 279941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.9 | 77.4 | 116.2 |
| 141 | 75.9 | 62.9 | 94.3 |

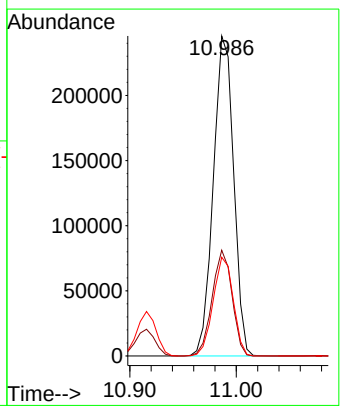


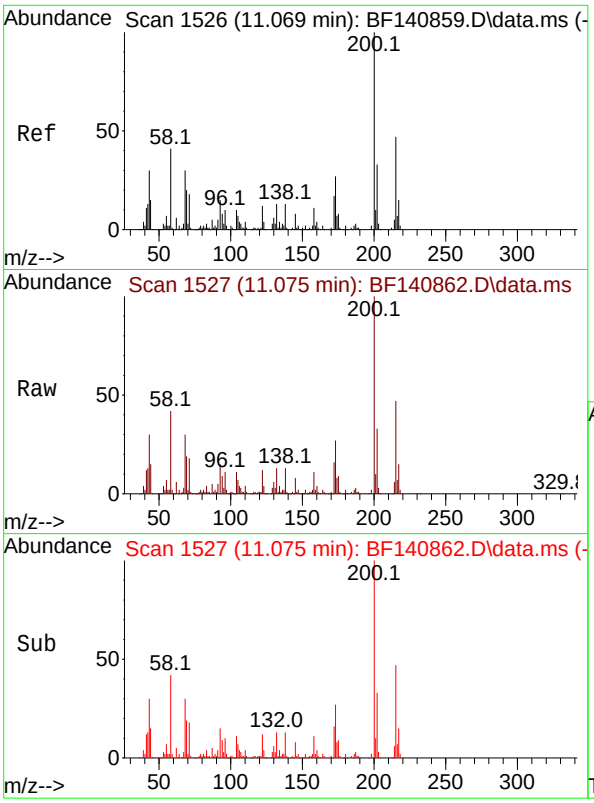




#68
Hexachlorobenzene
Concen: 70.220 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:284 Resp: 324661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.1 | 24.6 | 36.8 |
| 249 | 30.9 | 24.3 | 36.5 |



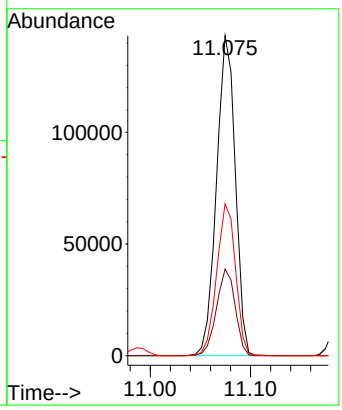


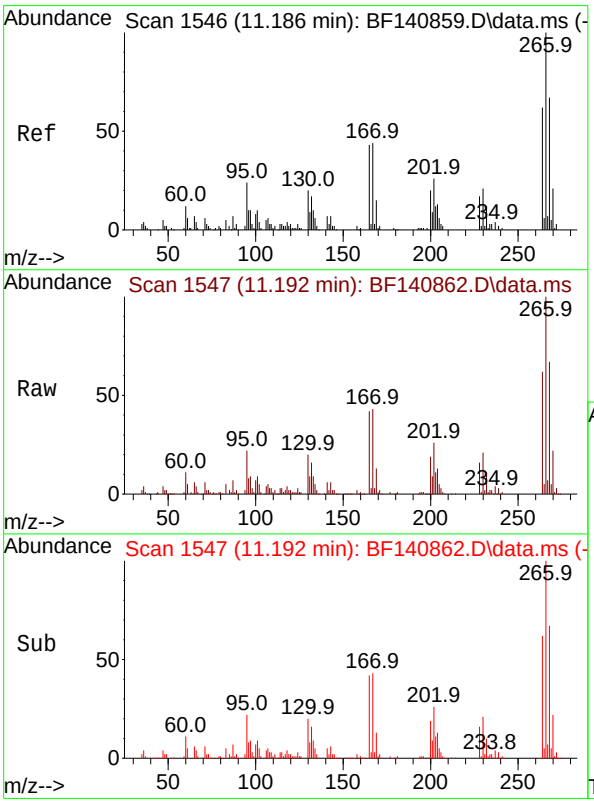

#69
Atrazine
Concen: 59.385 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 185877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 6.6 | 46.6 |
| 215 | 47.4 | 26.7 | 66.7 |

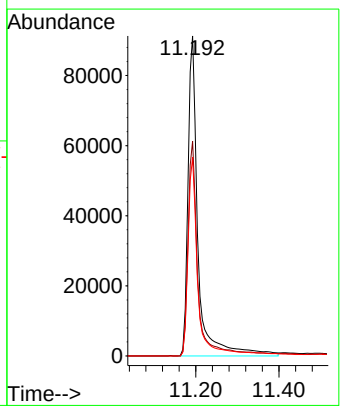


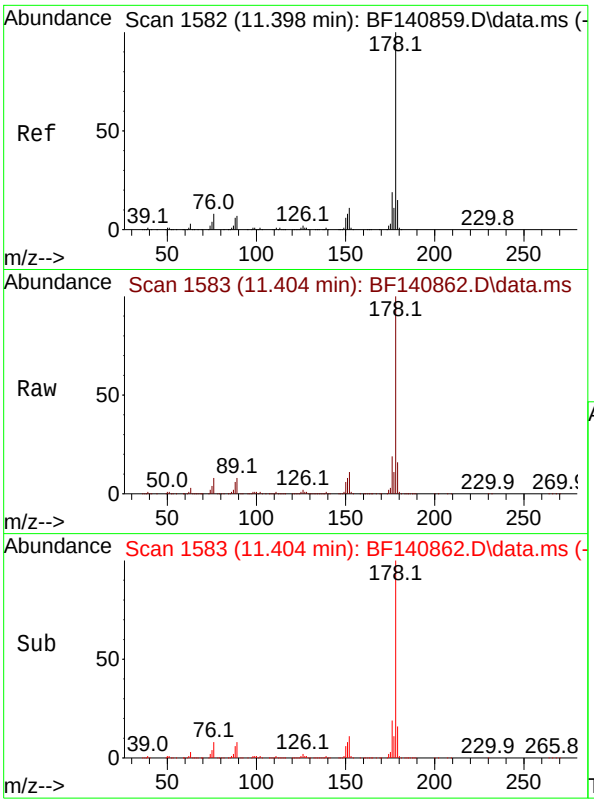




#70
Pentachlorophenol
Concen: 91.050 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:266 Resp: 153999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.1 | 54.0 | 81.0 |
| 264 | 62.1 | 49.4 | 74.2 |



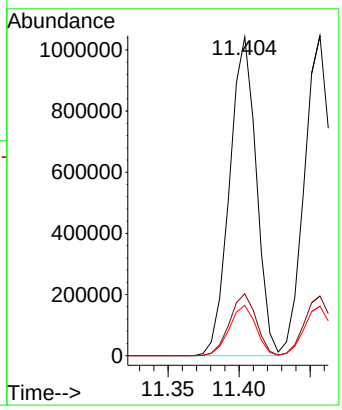


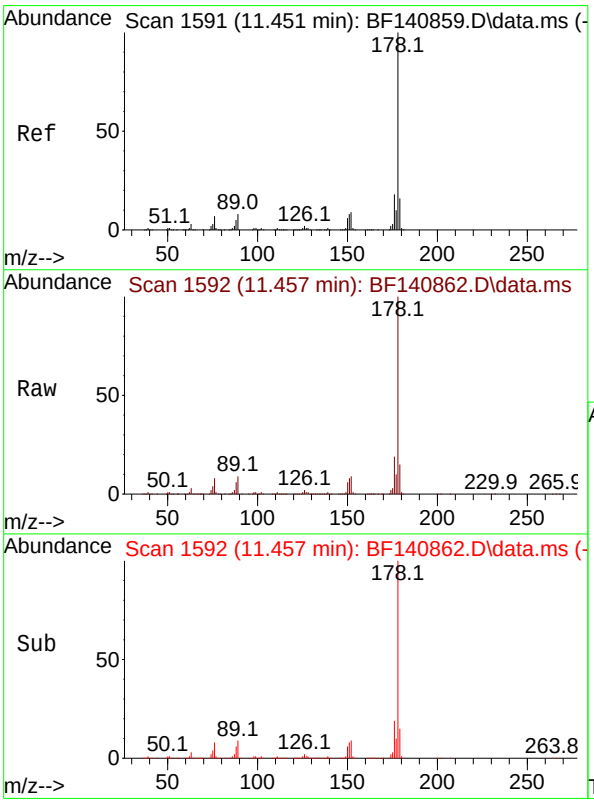

#71
Phenanthrene
Concen: 72.850 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 1365579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.2 |
| 179 | 15.8 | 12.1 | 18.1 |

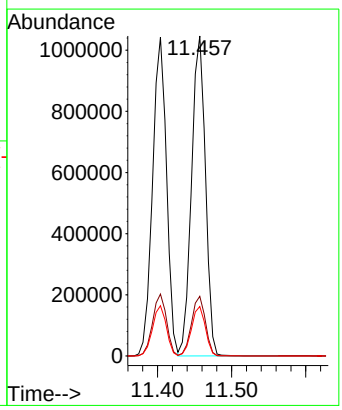


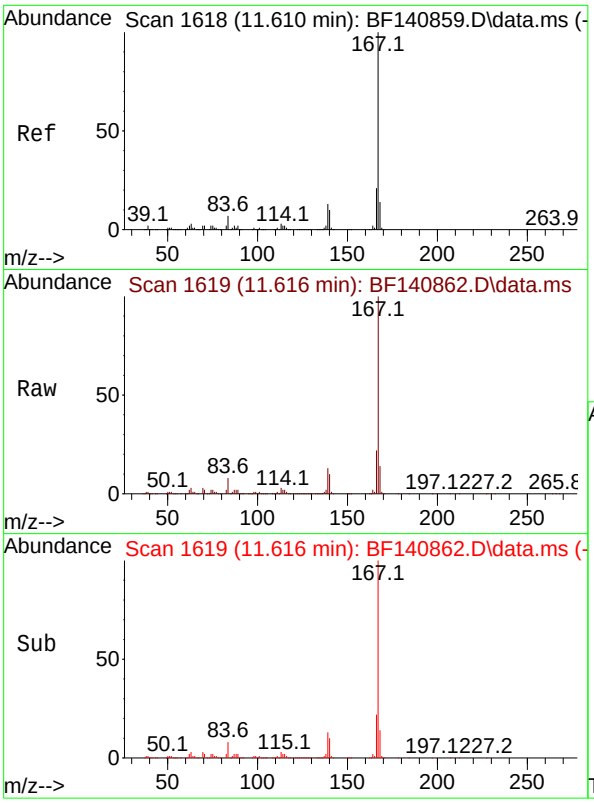




#72
Anthracene
Concen: 73.769 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:178 Resp: 1361788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |



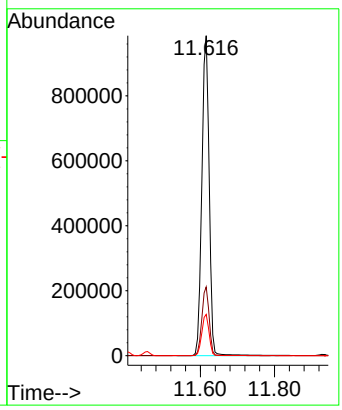


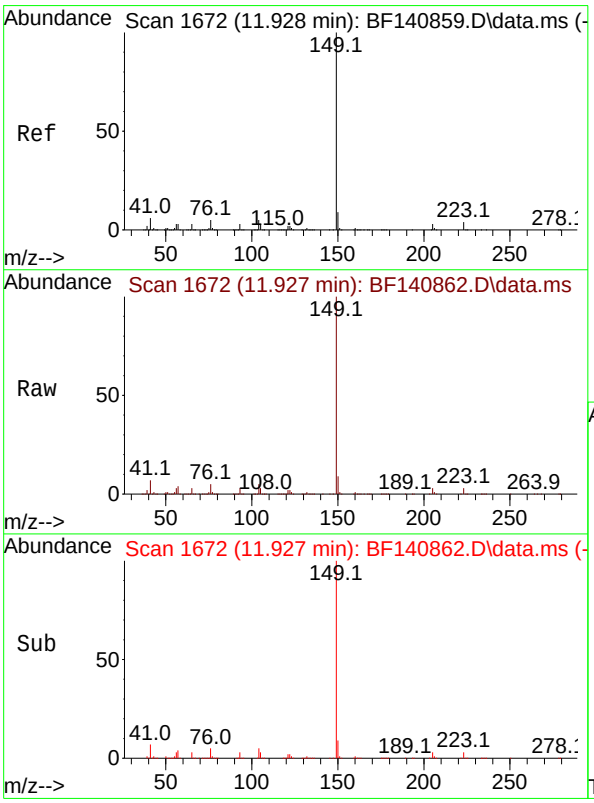

#73
Carbazole
Concen: 74.170 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 1341097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.0 | 25.6 |
| 139 | 12.9 | 10.2 | 15.2 |

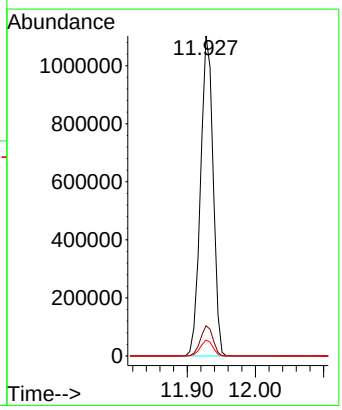


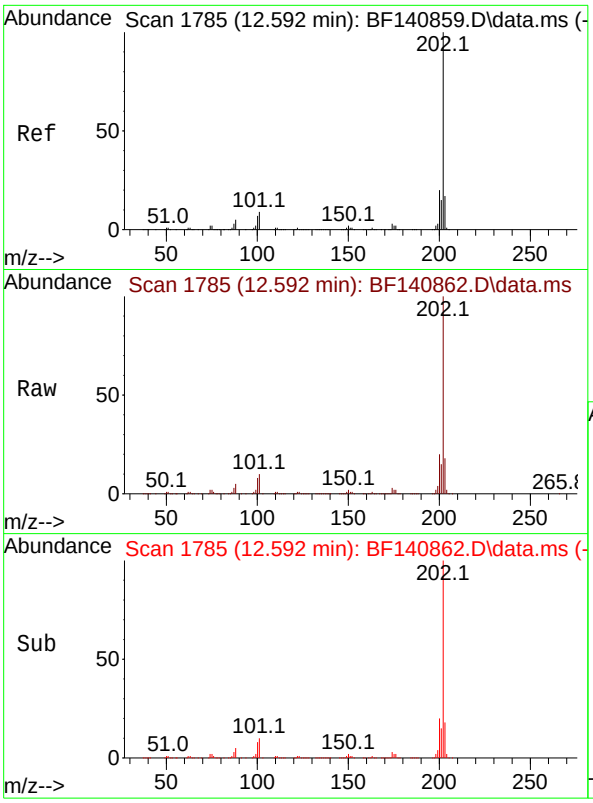




#74
Di-n-butylphthalate
Concen: 66.492 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 1410986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.5 | 11.3 |
| 104 | 5.0 | 3.8 | 5.8 |



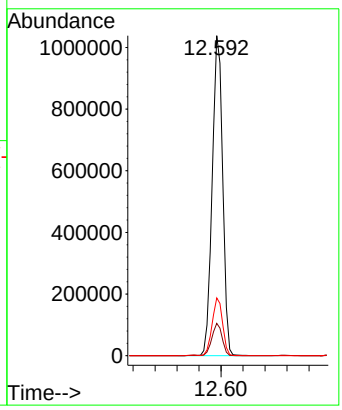


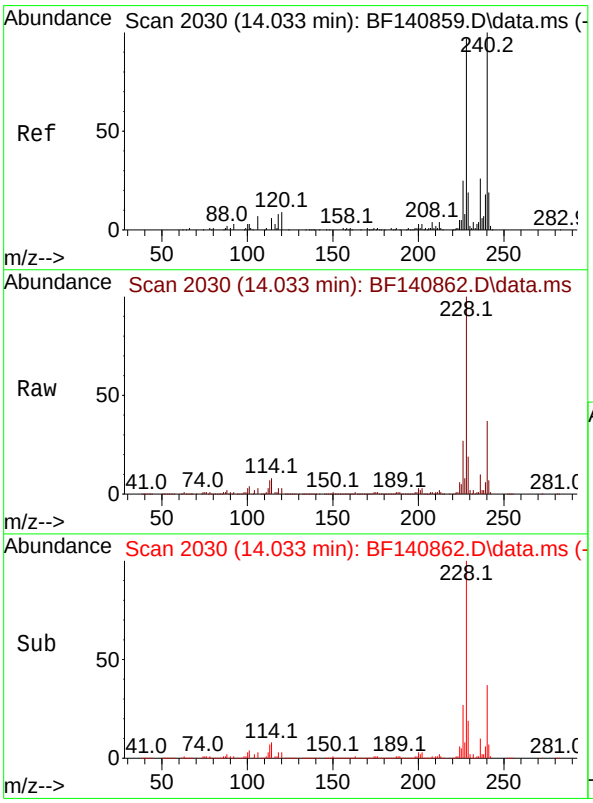

#75
Fluoranthene
Concen: 63.687 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 1374862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 29.3 |
| 203 | 18.1 | 0.0 | 37.4 |

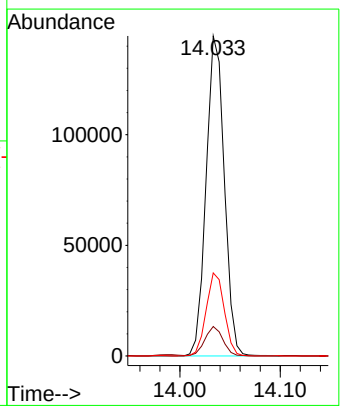


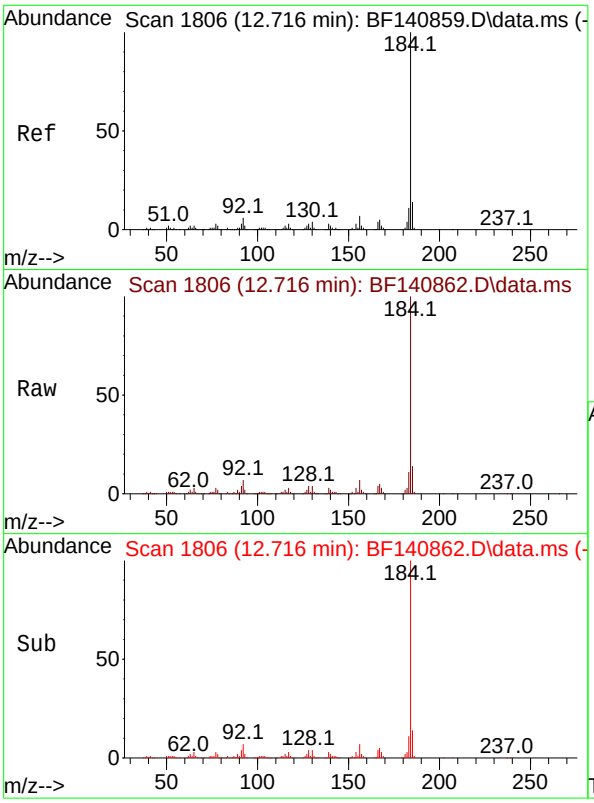




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:240 Resp: 182739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.2 | 7.6 | 11.4 |
| 236 | 26.0 | 20.5 | 30.7 |



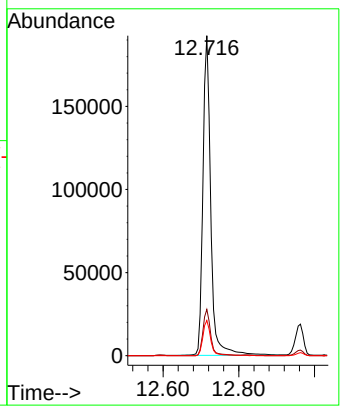


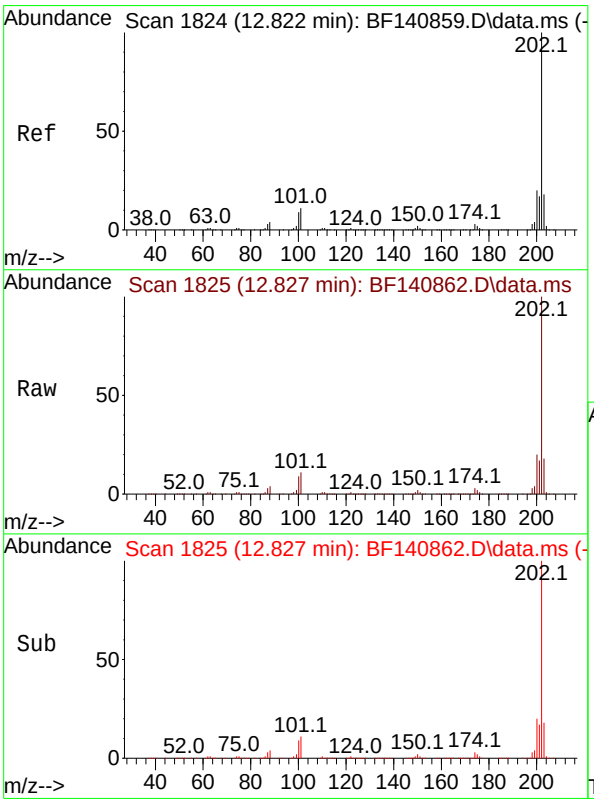

#77
Benzidine
Concen: 74.064 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 276230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.1 | 16.7 |
| 183 | 11.0 | 9.0 | 13.4 |

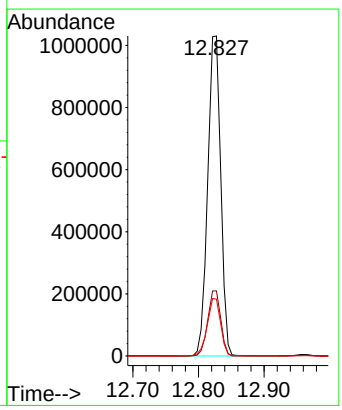


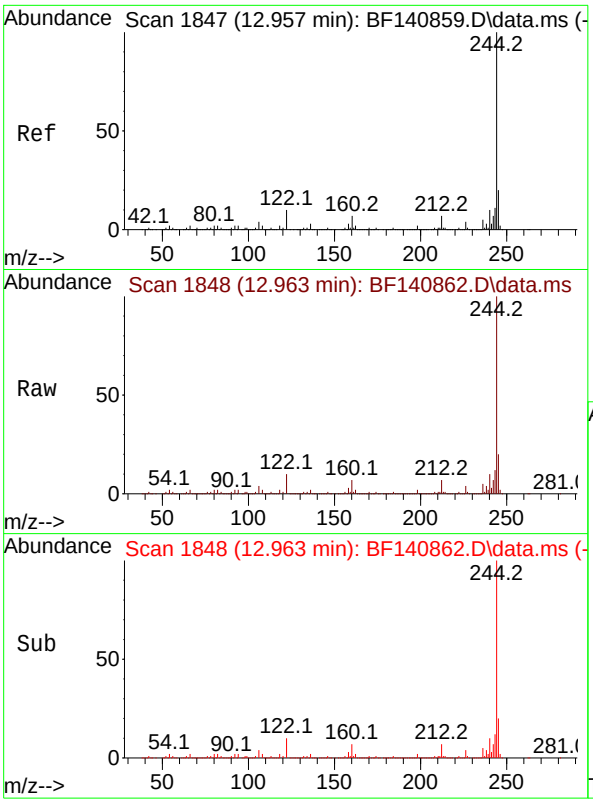




#78
Pyrene
Concen: 87.621 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:202 Resp: 1423860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.1 | 24.1 |
| 203 | 17.8 | 14.2 | 21.4 |



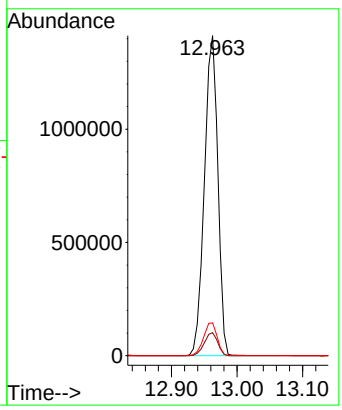


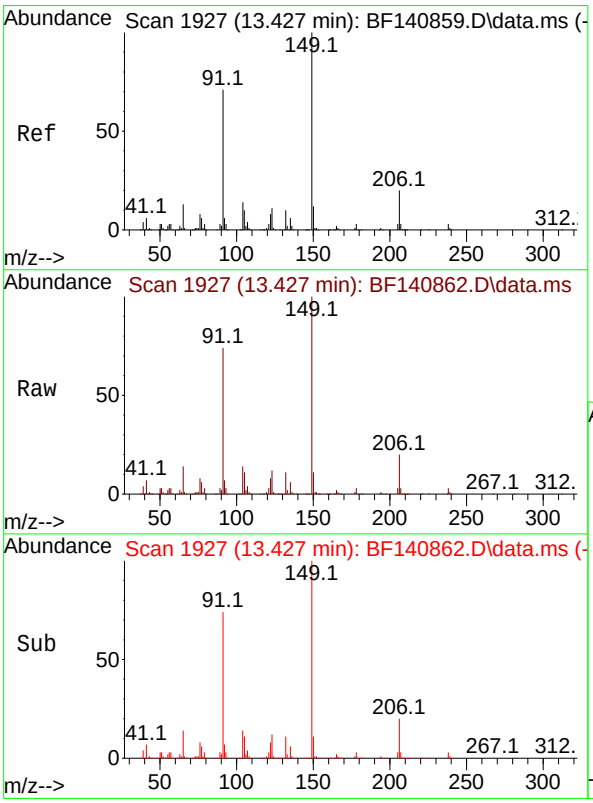

#79
Terphenyl-d14
Concen: 174.221 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp: 2018997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.6 | 8.4 |
| 122 | 10.2 | 8.2 | 12.2 |

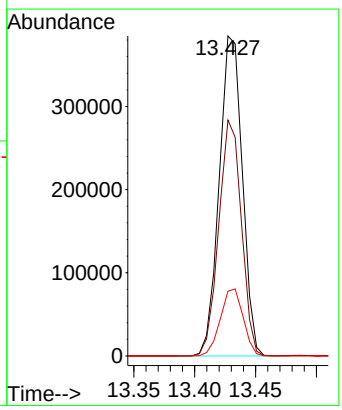


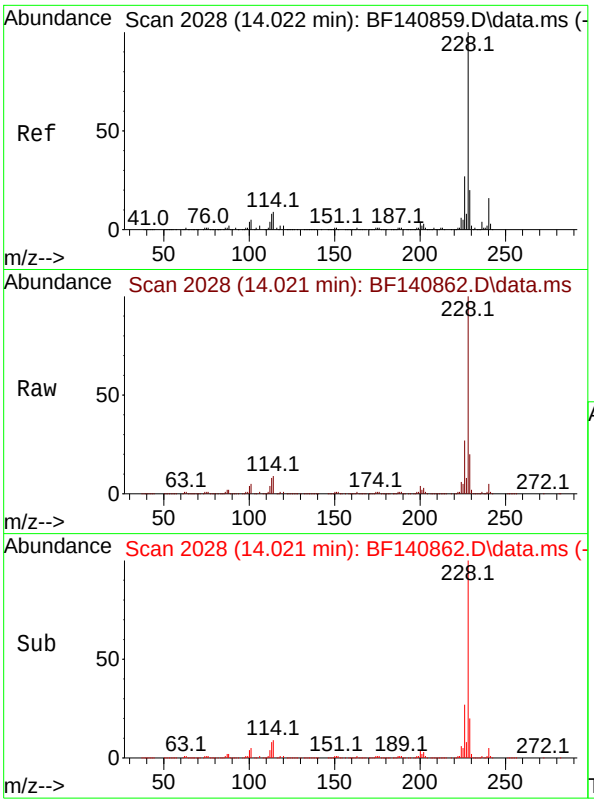




#80
Butylbenzylphthalate
Concen: 85.043 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 508497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.7 | 56.7 | 85.1 |
| 206 | 20.3 | 16.4 | 24.6 |



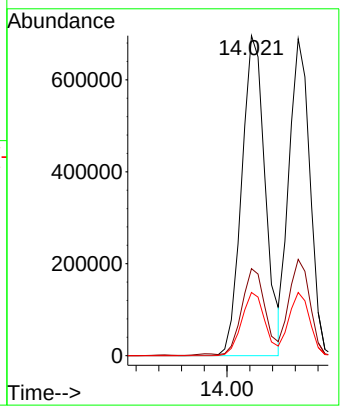


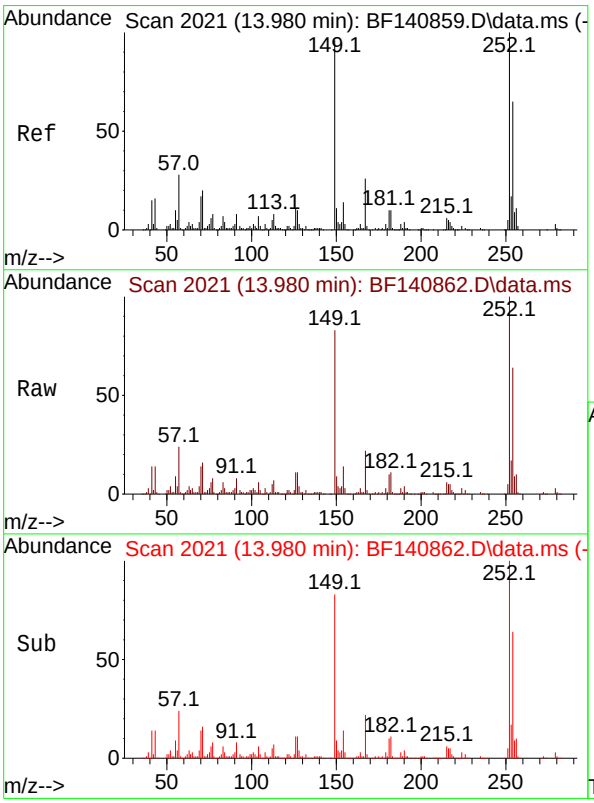

#81
Benzo(a)anthracene
Concen: 77.292 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 1001035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.8 |

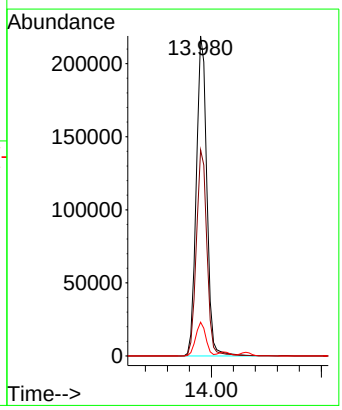


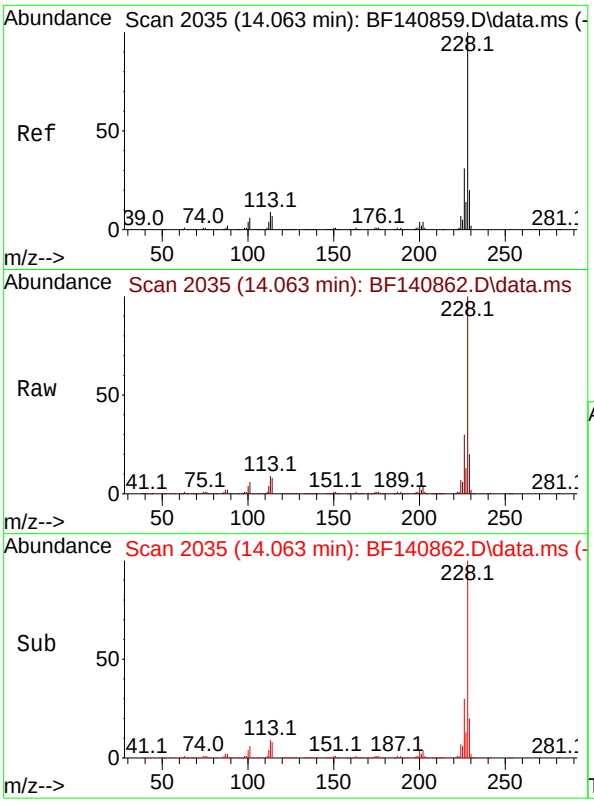




#82
3,3'-Dichlorobenzidine
Concen: 74.661 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 291736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 52.3 | 78.5 |
| 126 | 10.6 | 8.4 | 12.6 |



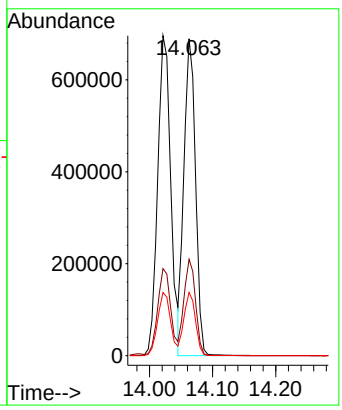


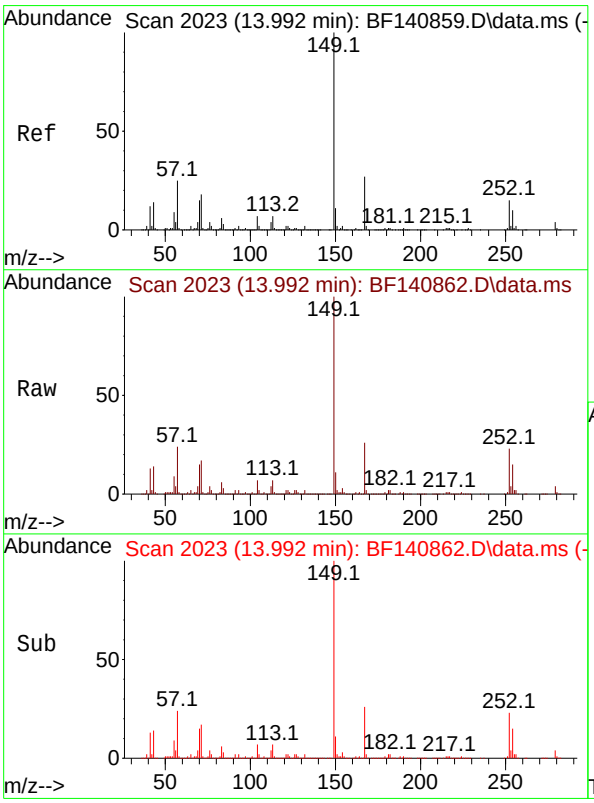

#83
Chrysene
Concen: 74.840 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 881398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.1 | 36.1 |
| 229 | 20.0 | 16.0 | 24.0 |

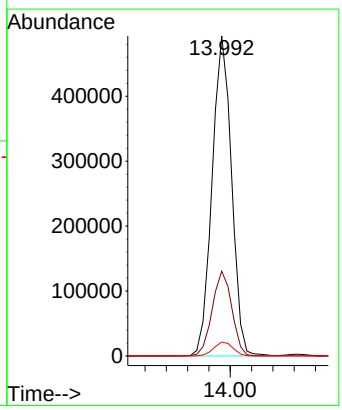


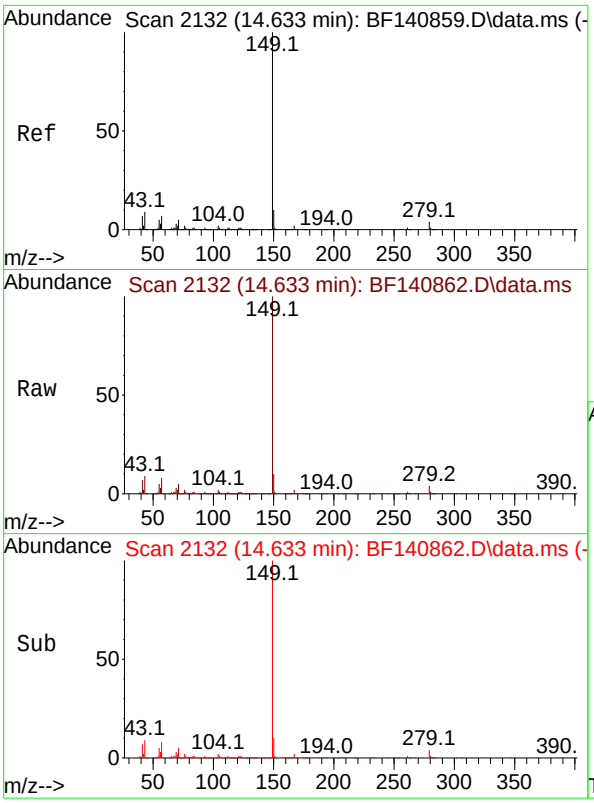




#84
Bis(2-ethylhexyl)phthalate
Concen: 81.032 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 624744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |



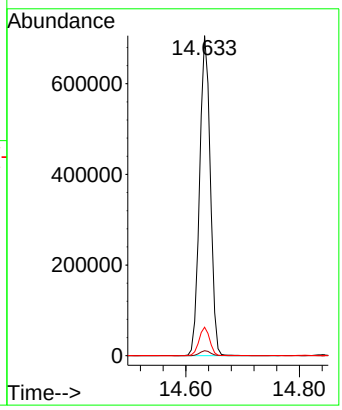


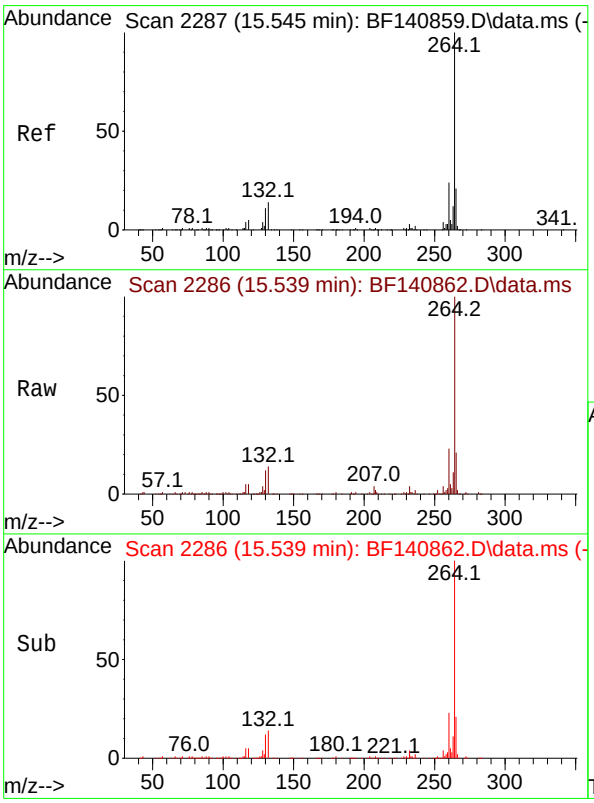

#85
Di-n-octyl phthalate
Concen: 79.125 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 922920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.0 | 7.0 | 10.6 |

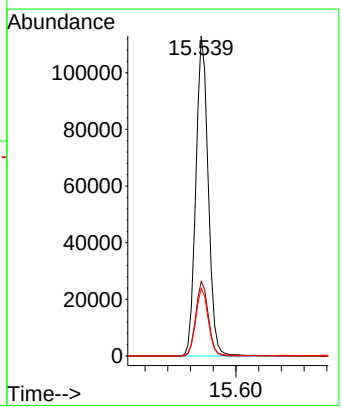


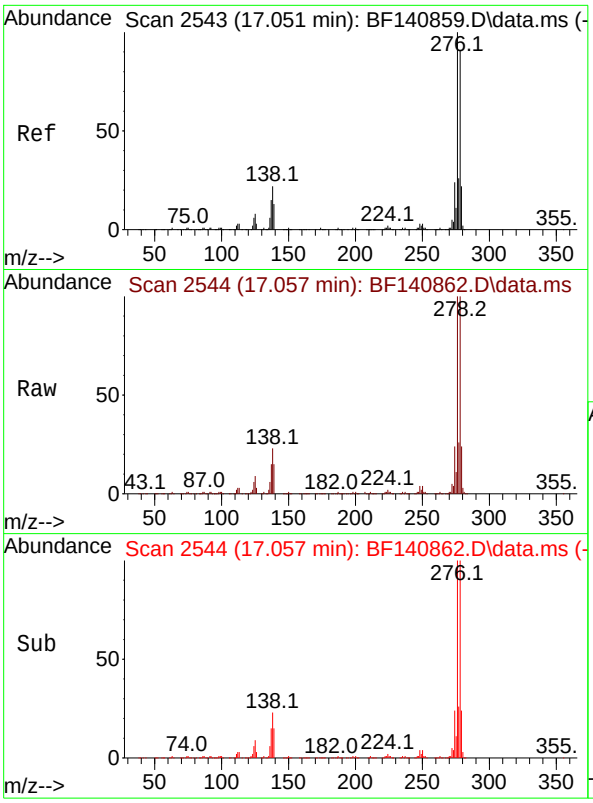




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:264 Resp: 171569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.1 | 28.7 |
| 265 | 21.1 | 17.0 | 25.4 |



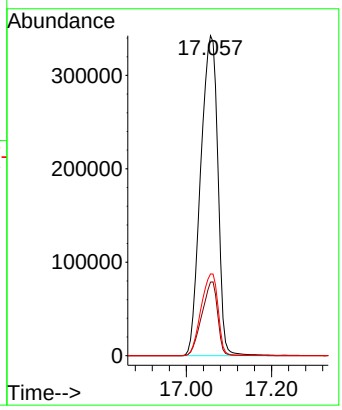


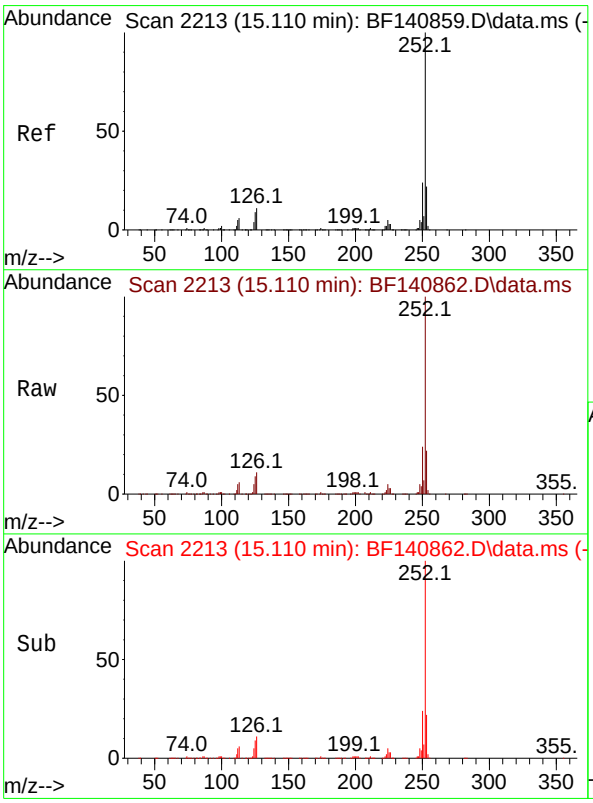

#87
Indeno(1,2,3-cd)pyrene
Concen: 89.400 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 957167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 16.9 | 25.3 |
| 277 | 25.2 | 20.2 | 30.4 |

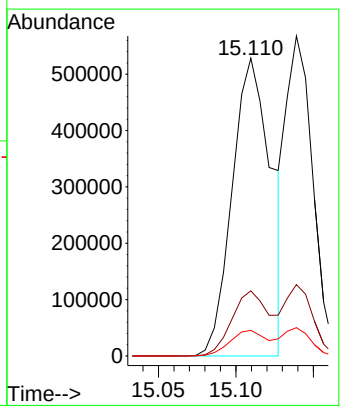


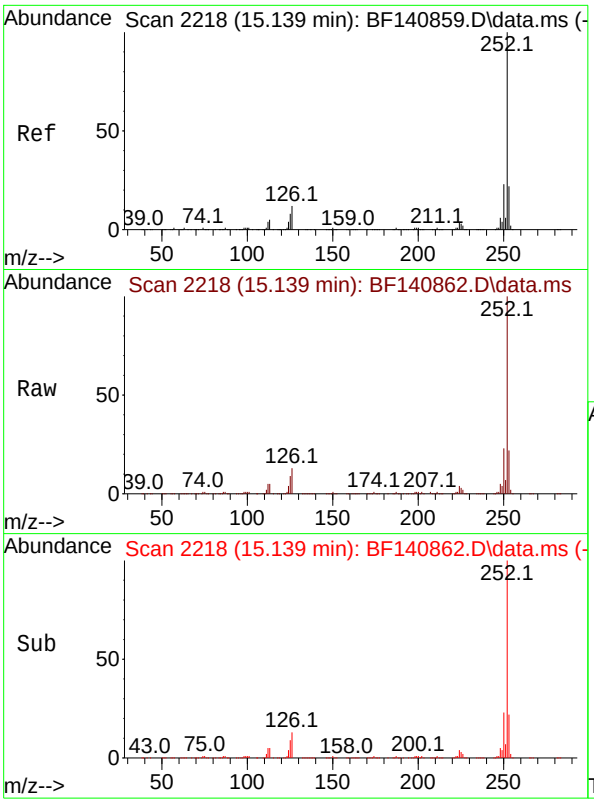




#88
Benzo(b)fluoranthene
Concen: 77.753 ng
RT: 15.110 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 925999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.6 | 7.0 | 10.4 |



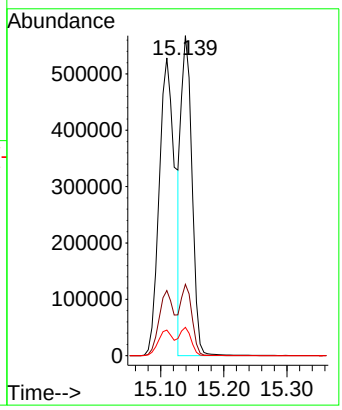


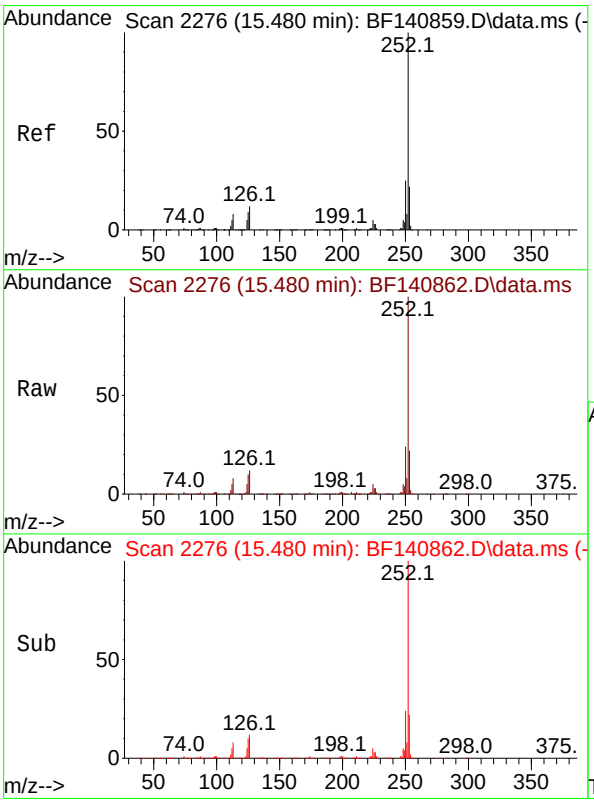

#89
Benzo(k)fluoranthene
Concen: 66.881 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 683254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 8.9 | 6.8 | 10.2 |

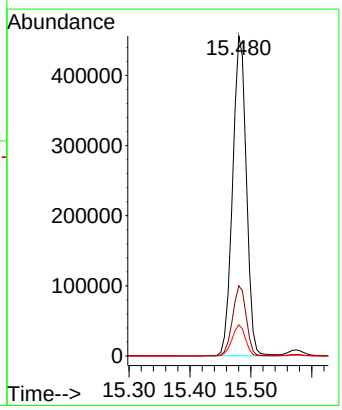


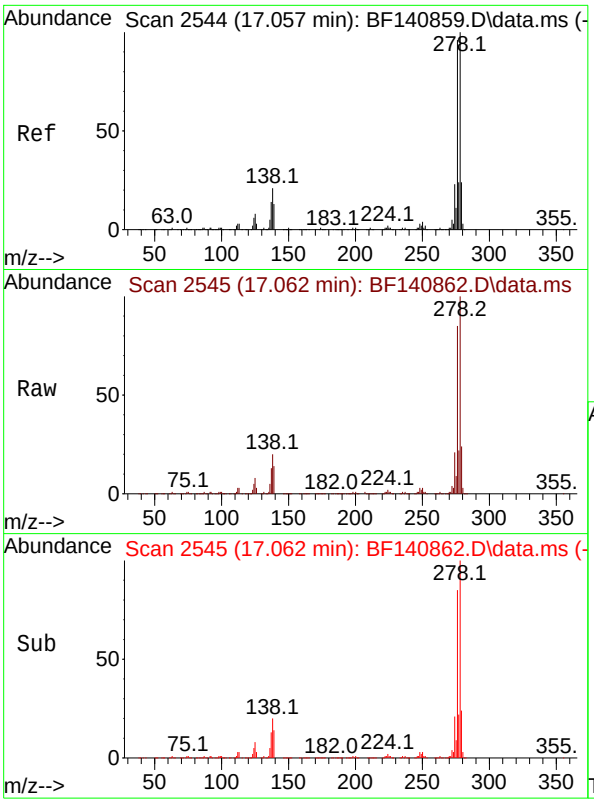




#90
Benzo(a)pyrene
Concen: 76.662 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 714906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.8 | 7.5 | 11.3 |



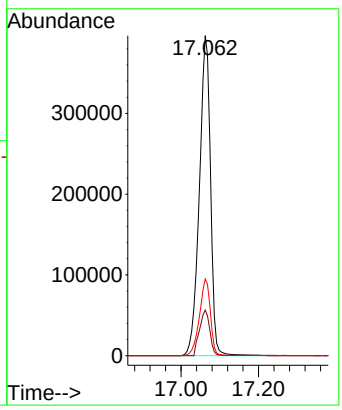


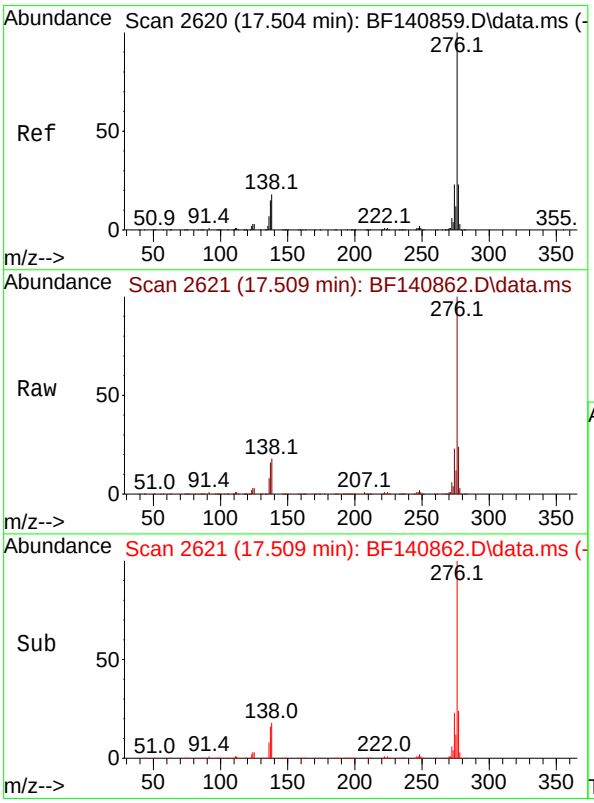

#91
Dibenzo(a,h)anthracene
Concen: 89.311 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 792175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.3 | 10.6 | 16.0 |
| 279 | 24.0 | 19.2 | 28.8 |

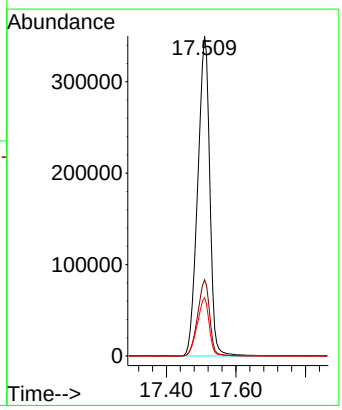



#92
Benzo(g,h,i)perylene
Concen: 93.101 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:276 Resp: 840468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.7 | 28.1 |
| 138 | 18.2 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 74814 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.134 | 136 | 271589 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 162319 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 282660 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 164316 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.533 | 264 | 129329 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 330518 | 72.726 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 446954 | 74.251 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 418009 | 77.004 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 139243 | 72.531 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 869766 | 73.670 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 915592 | 87.865 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 75034 | 38.331 | ng | | 95 |
| 3) Pyridine | 3.399 | 79 | 176528 | 38.939 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 81320 | 35.583 | ng | | 89 |
| 6) Aniline | 6.522 | 93 | 192218 | 37.347 | ng | | 98 |
| 8) 2-Chlorophenol | 6.645 | 128 | 193264 | 38.996 | ng | | 98 |
| 9) Benzaldehyde | 6.410 | 77 | 119045 | 35.692 | ng | | 97 |
| 10) Phenol | 6.522 | 94 | 233567 | 37.438 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 173020 | 37.188 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 220709 | 39.082 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 219984 | 38.376 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 208631 | 38.575 | ng | | 98 |
| 15) Benzyl Alcohol | 7.004 | 79 | 161378 | 37.495 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 197110 | 35.963 | ng | | 85 |
| 17) 2-Methylphenol | 7.122 | 107 | 150732 | 38.095 | ng | | 99 |
| 18) Hexachloroethane | 7.357 | 117 | 77896 | 36.502 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 128495 | 35.587 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 202109 | 38.521 | ng | # | 85 |
| 22) Acetophenone | 7.263 | 105 | 263844 | 38.835 | ng | | 95 |
| 24) Nitrobenzene | 7.439 | 77 | 207460 | 37.305 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 346209 | 38.063 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 107352 | 41.913 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 120407 | 40.254 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 220781 | 38.864 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 162546 | 39.361 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 187702 | 39.649 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 585851 | 39.270 | ng | | 100 |
| 32) Benzoic acid | 7.951 | 122 | 98174 | 34.606 | ng | | 96 |
| 33) 4-Chloroaniline | 8.210 | 127 | 194369 | 39.228 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 121955 | 38.289 | ng | | 100 |
| 35) Caprolactam | 8.598 | 113 | 45564 | 37.061 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 173656 | 37.361 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 377796 | 38.282 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 368550 | 37.761 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 186337 | 37.349 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 38088 | 34.773 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 110669 | 36.226 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 119664 | 35.638 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 483766 | 37.480 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 374124 | 37.889 | ng | 100 |
| 48) 2-Nitroaniline | 9.439 | 65 | 105588 | 35.406 | ng | 92 |
| 49) Acenaphthylene | 9.751 | 152 | 565101 | 38.943 | ng | 100 |
| 50) Dimethylphthalate | 9.604 | 163 | 425243 | 37.159 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 103210 | 39.451 | ng | 92 |
| 52) Acenaphthene | 9.922 | 154 | 359395 | 38.772 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 102644 | 39.535 | ng | 93 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 41330 | 36.272 | ng | 92 |
| 55) Dibenzofuran | 10.092 | 168 | 545976 | 38.012 | ng | 99 |
| 56) 4-Nitrophenol | 10.051 | 139 | 46328 | 35.773 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 132579 | 38.516 | ng | 94 |
| 58) Fluorene | 10.439 | 166 | 440079 | 37.139 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 101821 | 37.214 | ng | 91 |
| 60) Diethylphthalate | 10.304 | 149 | 426443 | 35.936 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 221428 | 37.200 | ng | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 91794 | 33.834 | ng | 92 |
| 63) Azobenzene | 10.586 | 77 | 384375 | 34.454 | ng | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 64499 | 40.269 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 371501 | 42.748 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 129825 | 41.055 | ng | 96 |
| 68) Hexachlorobenzene | 10.992 | 284 | 149493 | 41.697 | ng | 96 |
| 69) Atrazine | 11.075 | 200 | 81196 | 33.453 | ng | 97 |
| 70) Pentachlorophenol | 11.198 | 266 | 43633 | 33.287 | ng | 97 |
| 71) Phenanthrene | 11.404 | 178 | 554743 | 38.164 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 555785 | 38.826 | ng | 99 |
| 73) Carbazole | 11.616 | 167 | 539092 | 38.449 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 665945 | 40.470 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 612458 | 36.586 | ng | 99 |
| 77) Benzidine | 12.722 | 184 | 115361 | 34.399 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 625636 | 42.817 | ng | 99 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 207238 | 38.545 | ng | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 445495 | 38.254 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 128185 | 36.483 | ng | 97 |
| 83) Chrysene | 14.063 | 228 | 420365 | 39.695 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 259339 | 37.409 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.616 | 149 | 336272 | 32.062 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 415125 | 51.437 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 341178 | 38.004 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 290595 | 37.736 | ng | 99 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 275845 | 39.241 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.051 | 278 | 345181 | 51.627 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 330062 | 48.503 | ng | 99 |

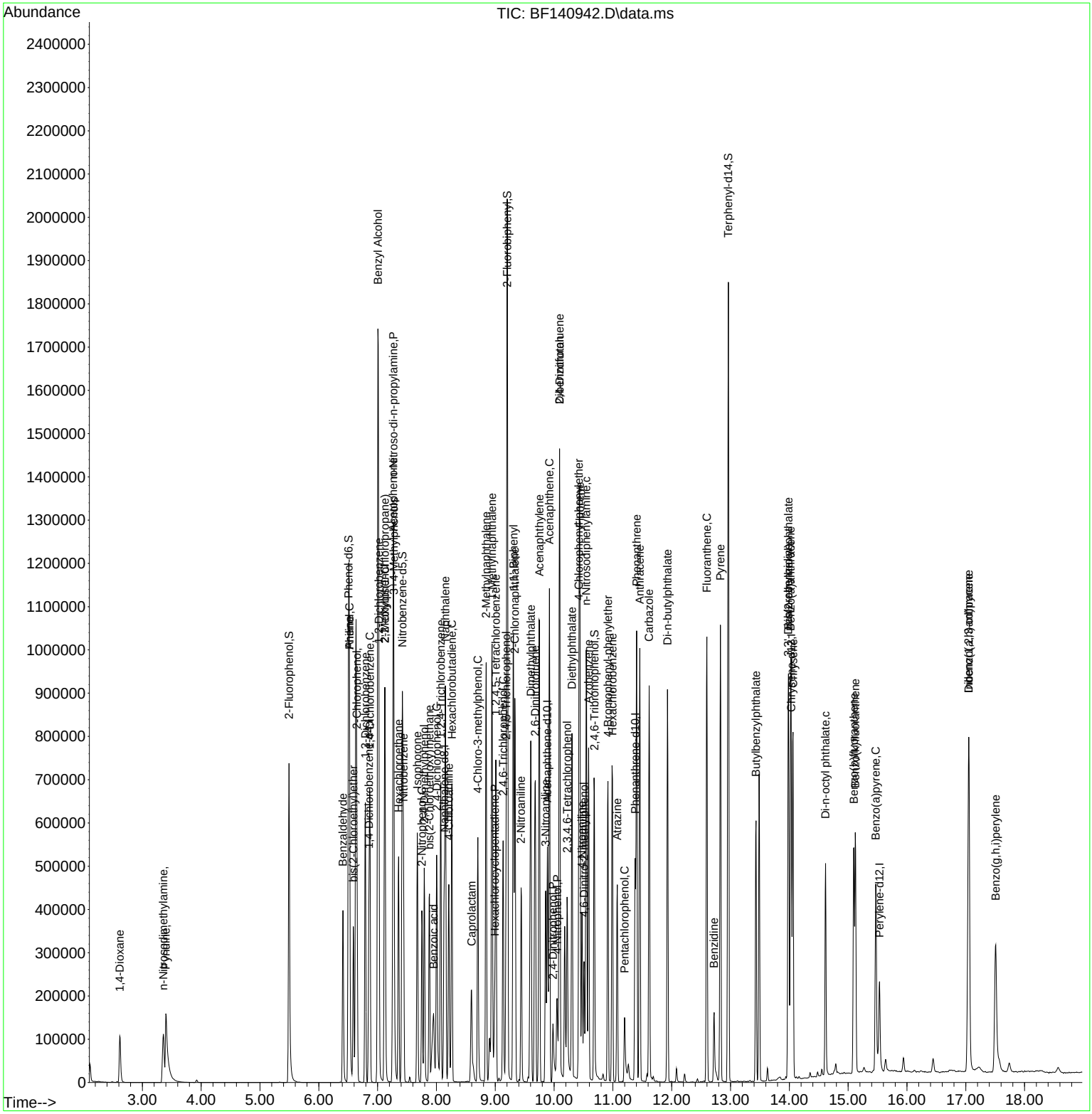
(#) = qualifier out of range (m) = manual integration (+) = signals summed

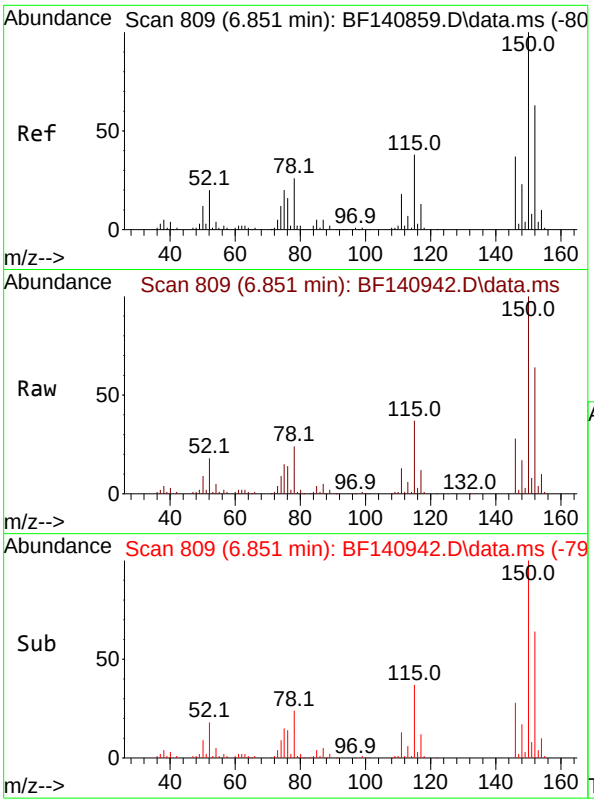
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



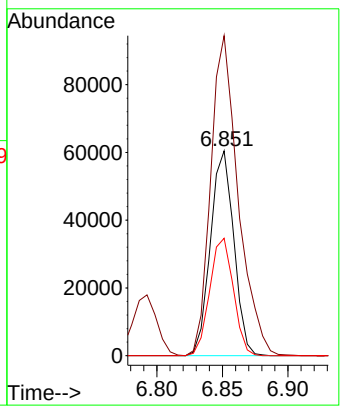


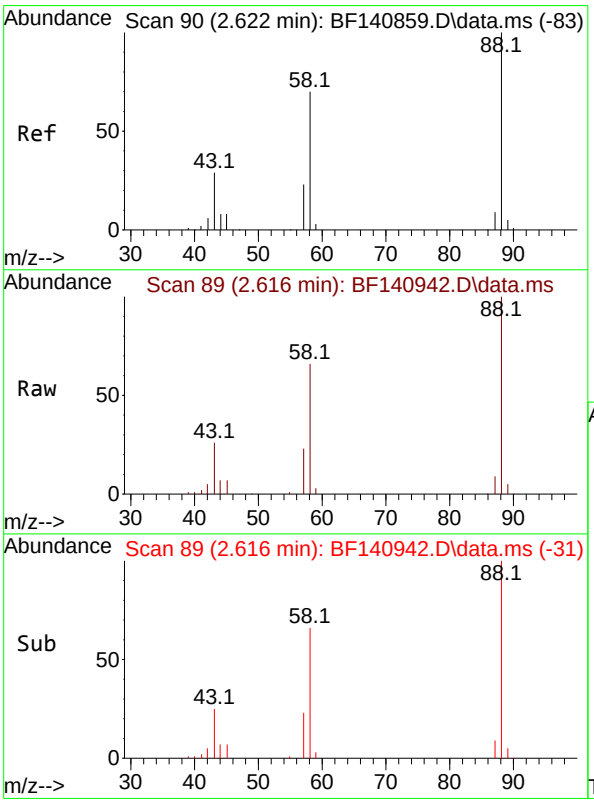

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 74814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 127.9 | 191.9 |
| 115 | 57.3 | 48.0 | 72.0 |

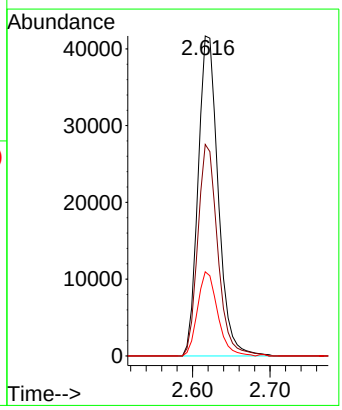


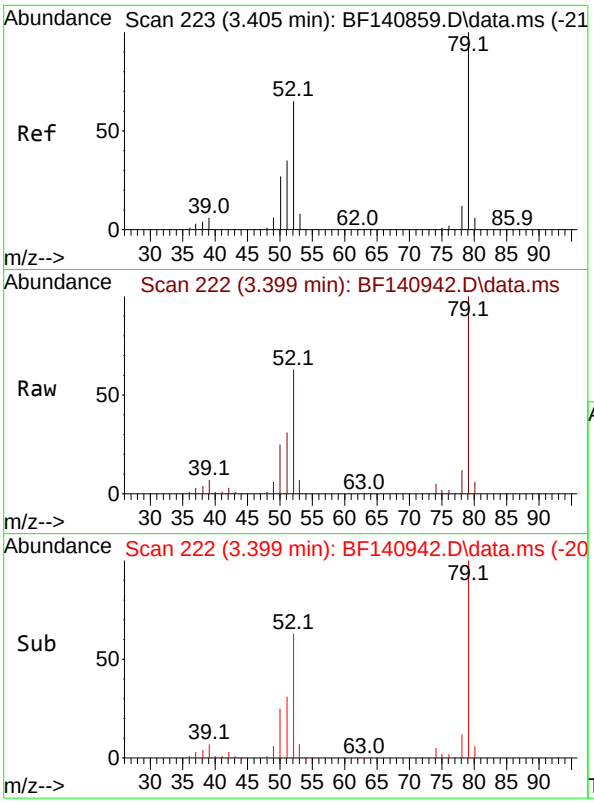




#2
1,4-Dioxane
Concen: 38.331 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 88 Resp: 75034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 65.4 | 55.8 | 83.8 |
| 43 | 26.3 | 22.7 | 34.1 |



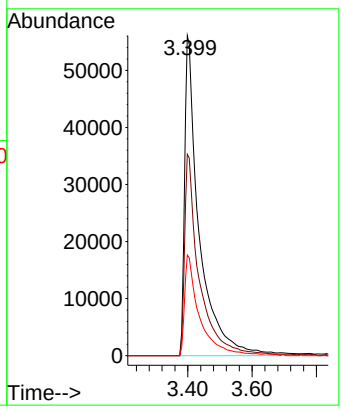


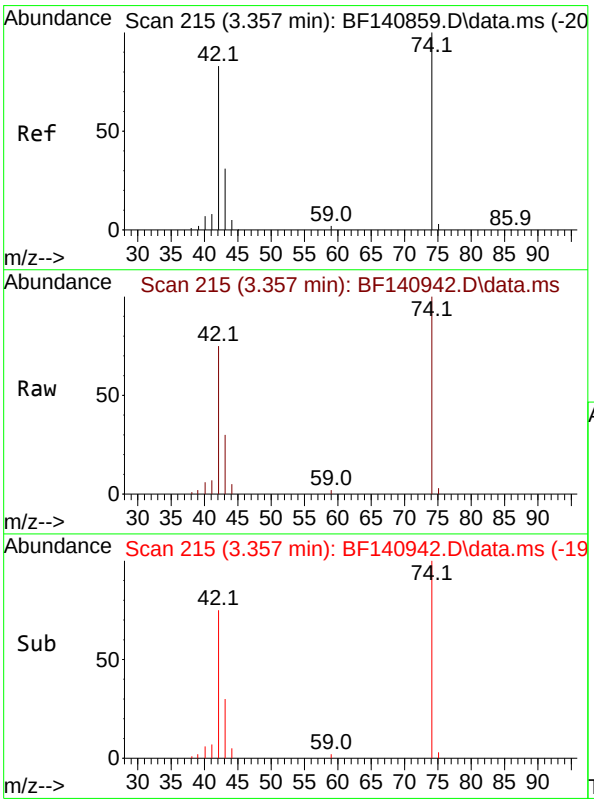

#3
Pyridine
Concen: 38.939 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 176528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.9 | 51.7 | 77.5 |
| 51 | 31.4 | 28.2 | 42.4 |

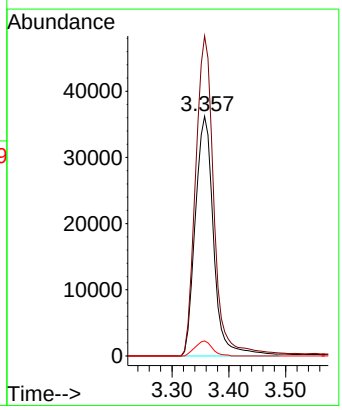


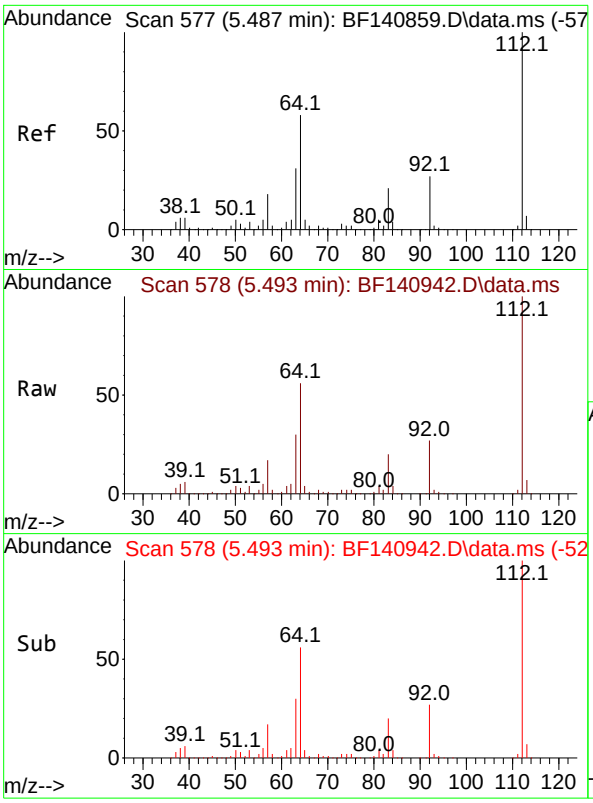




#4
n-Nitrosodimethylamine
Concen: 35.583 ng
RT: 3.357 min Scan# 215
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 42 Resp: 81320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 133.5 | 96.9 | 145.3 |
| 44 | 6.3 | 4.4 | 6.6 |



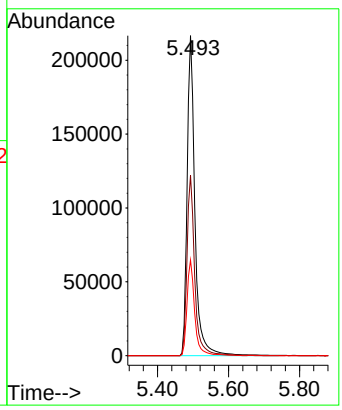


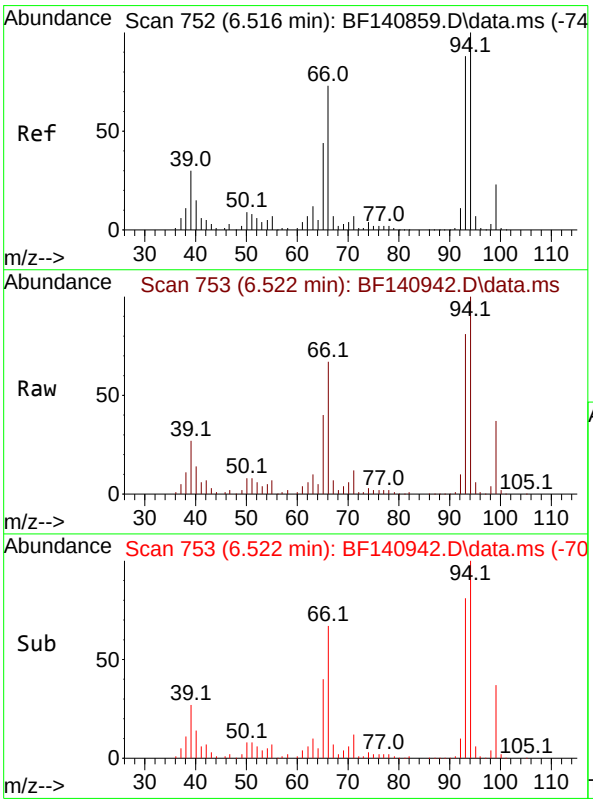

#5
2-Fluorophenol
Concen: 72.726 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 330518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 46.1 | 69.1 |
| 63 | 29.9 | 24.9 | 37.3 |

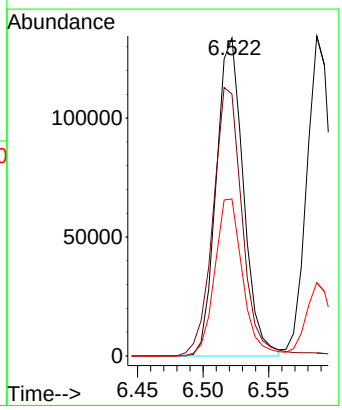


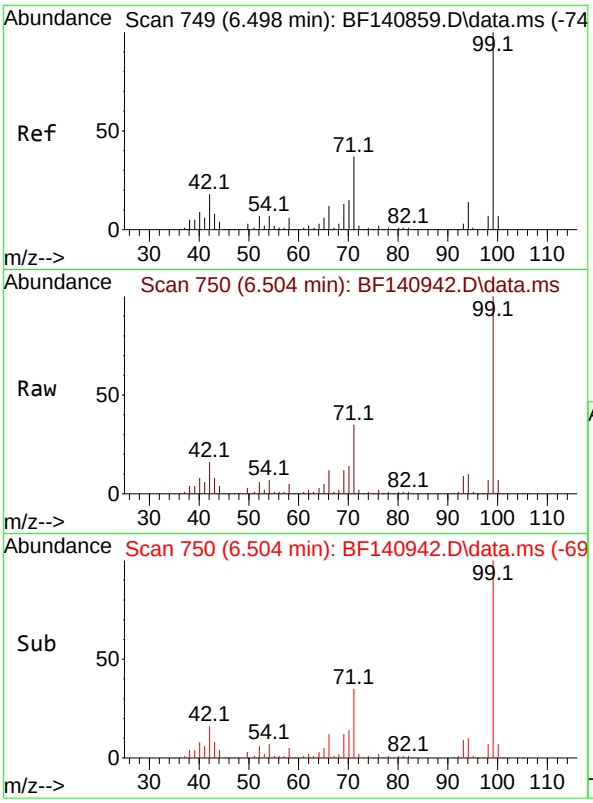




#6
Aniline
Concen: 37.347 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 93 Resp: 192218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 82.4 | 67.0 | 100.4 |
| 65 | 49.4 | 40.4 | 60.6 |



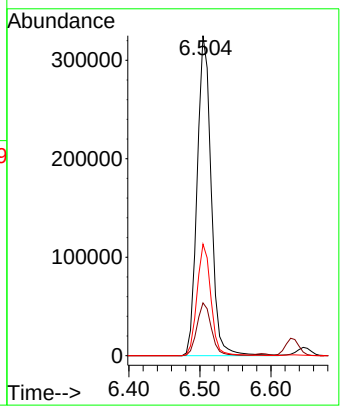


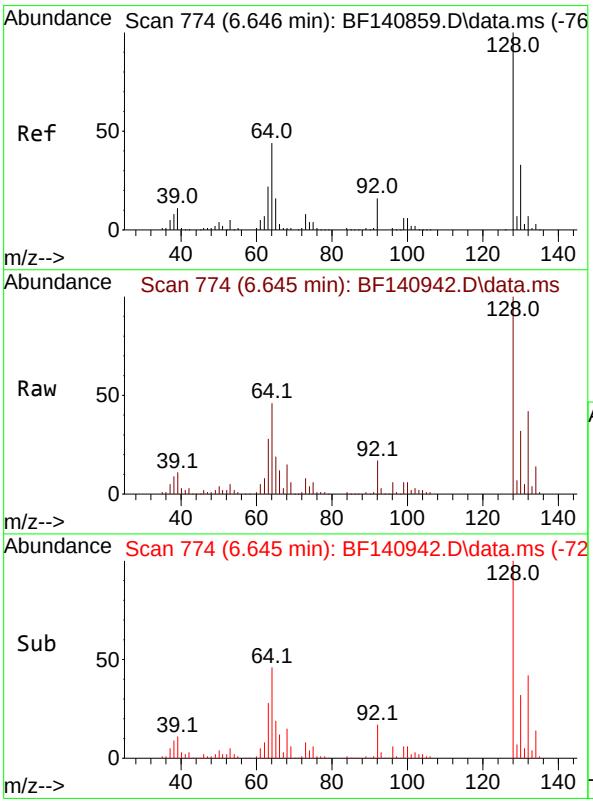

#7
Phenol-d6
Concen: 74.251 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 446954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.5 | 14.3 | 21.5 |
| 71 | 34.8 | 29.9 | 44.9 |

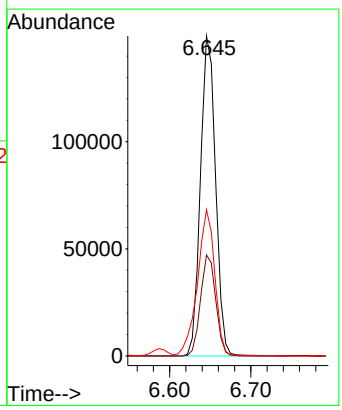


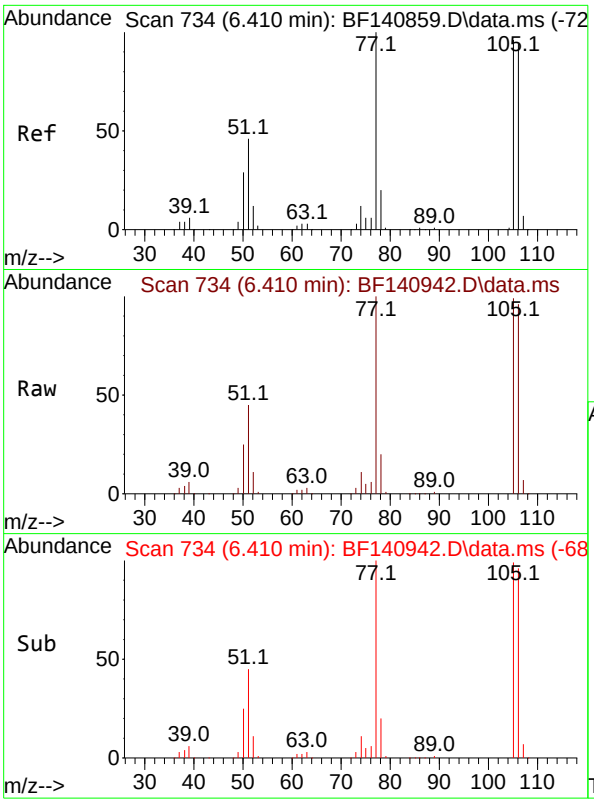




#8
2-Chlorophenol
Concen: 38.996 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:128 Resp: 193264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.6 | 12.9 | 52.9 |
| 64 | 45.7 | 24.3 | 64.3 |



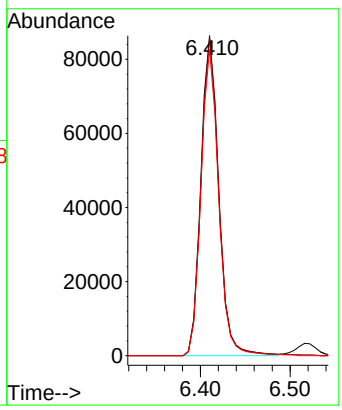


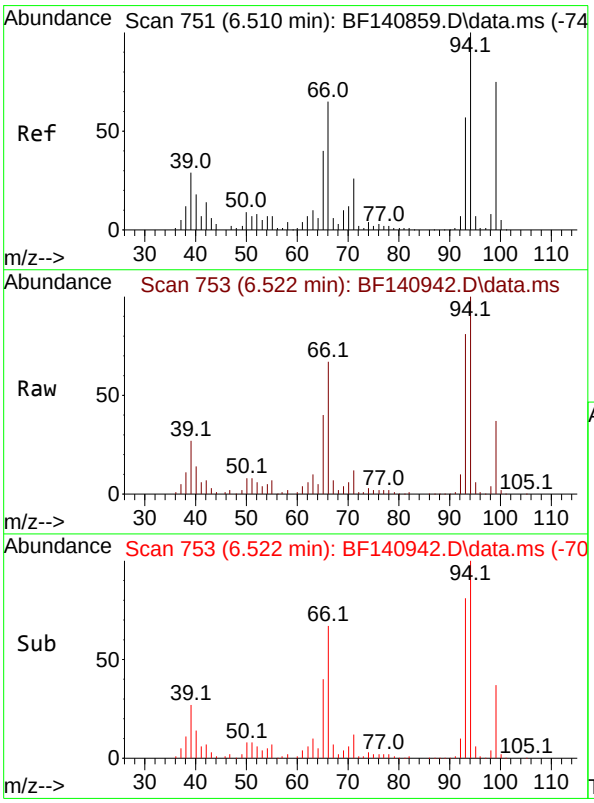

#9
Benzaldehyde
Concen: 35.692 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 119045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.3 | 75.8 | 115.8 |
| 106 | 95.7 | 74.1 | 114.1 |

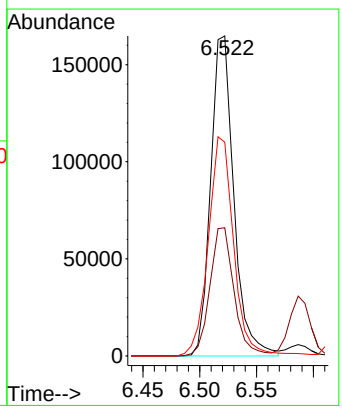


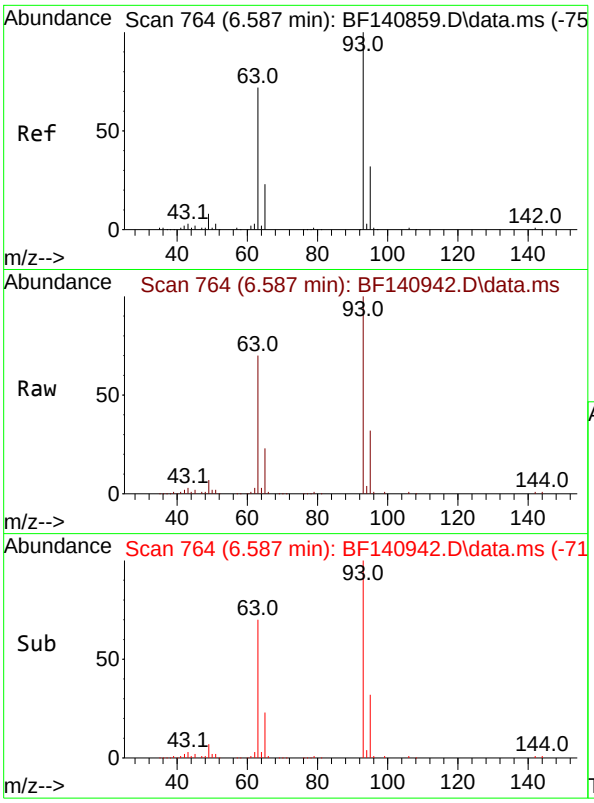




#10
Phenol
Concen: 37.438 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 94 Resp: 233567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 40.0 | 19.9 | 59.9 |
| 66 | 66.8 | 45.6 | 85.6 |



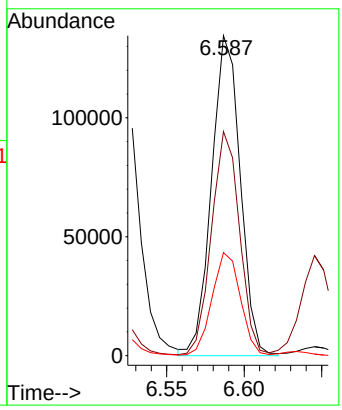


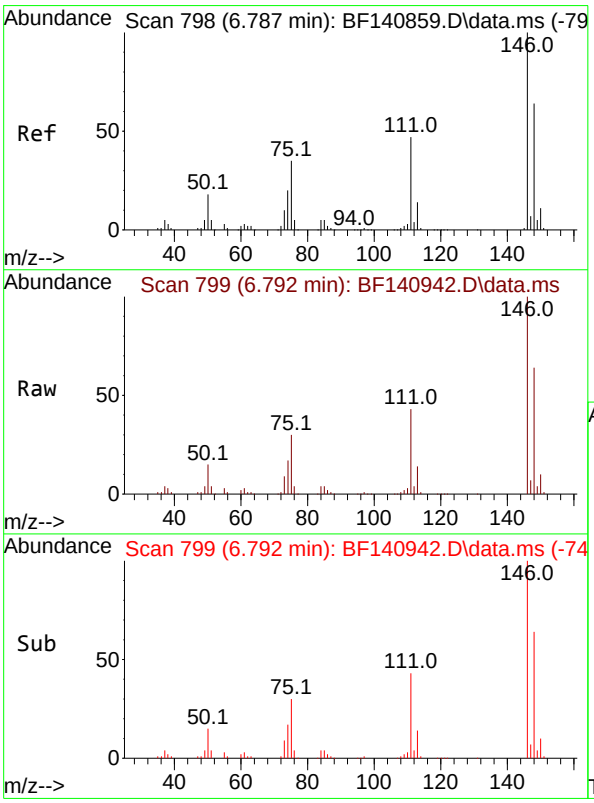

#11
bis(2-Chloroethyl)ether
Concen: 37.188 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 173020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.0 | 51.0 | 91.0 |
| 95 | 32.2 | 12.0 | 52.0 |

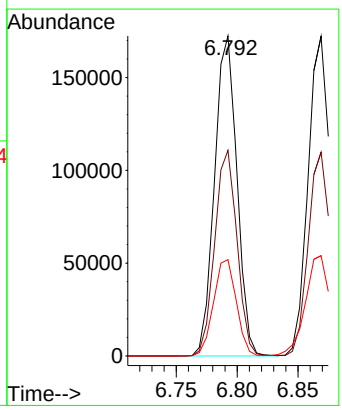


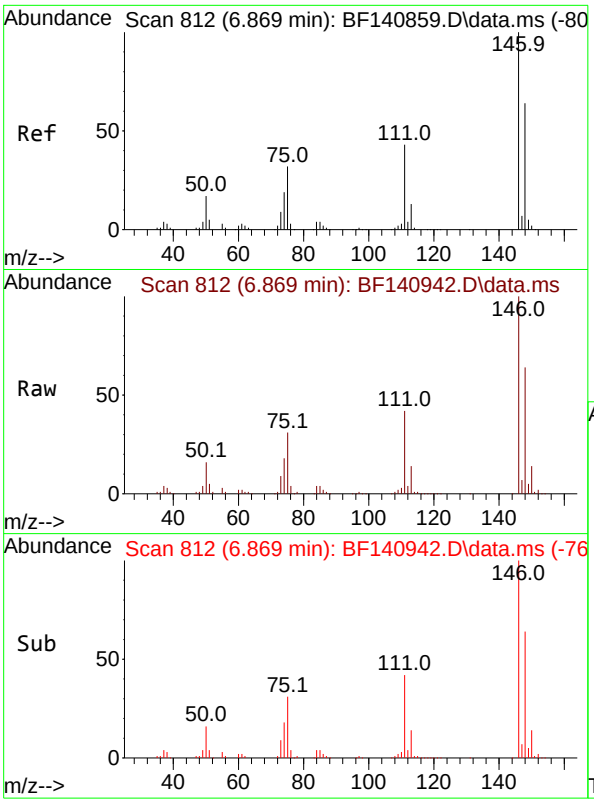




#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 220709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 75 | 30.1 | 28.1 | 42.1 |



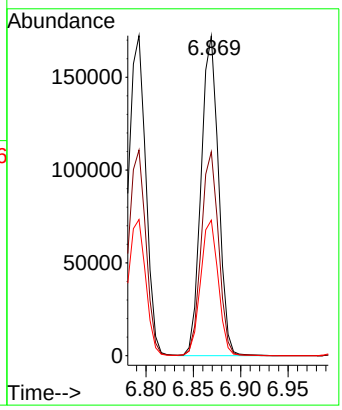


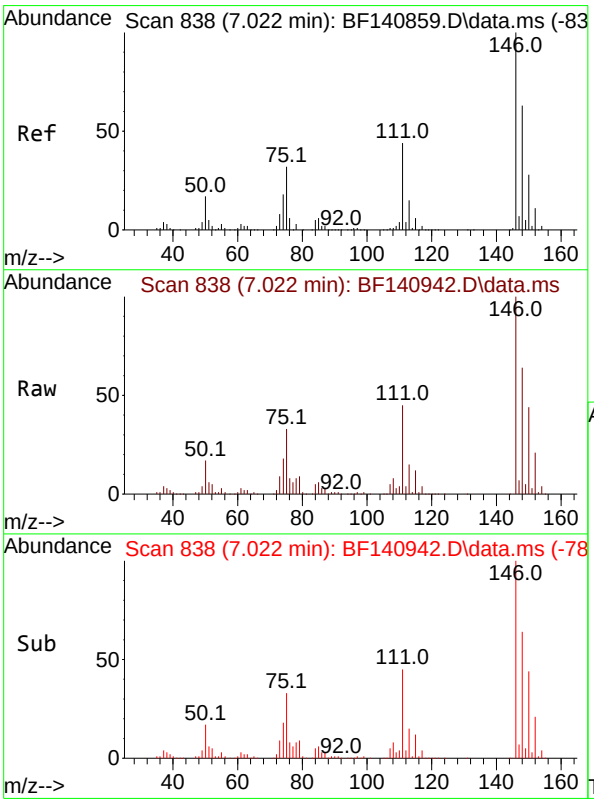

#13
1,4-Dichlorobenzene
Concen: 38.376 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 219984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.3 | 76.9 |
| 111 | 42.4 | 34.4 | 51.6 |

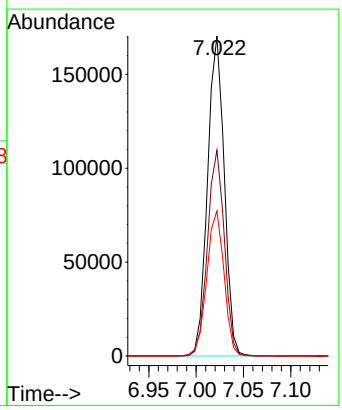


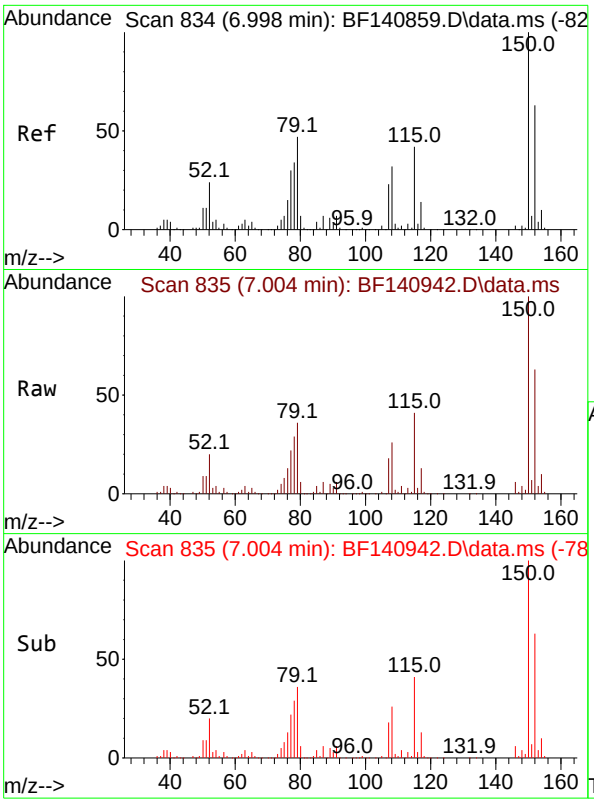




#14
1,2-Dichlorobenzene
Concen: 38.575 ng
RT: 7.022 min Scan# 838
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 208631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 50.0 | 75.0 |
| 111 | 45.3 | 35.6 | 53.4 |



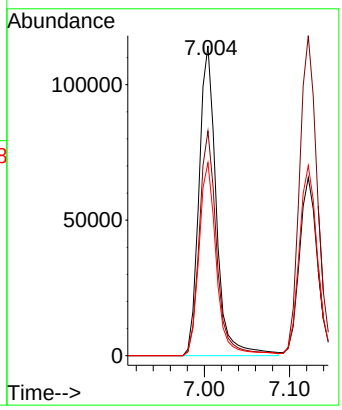


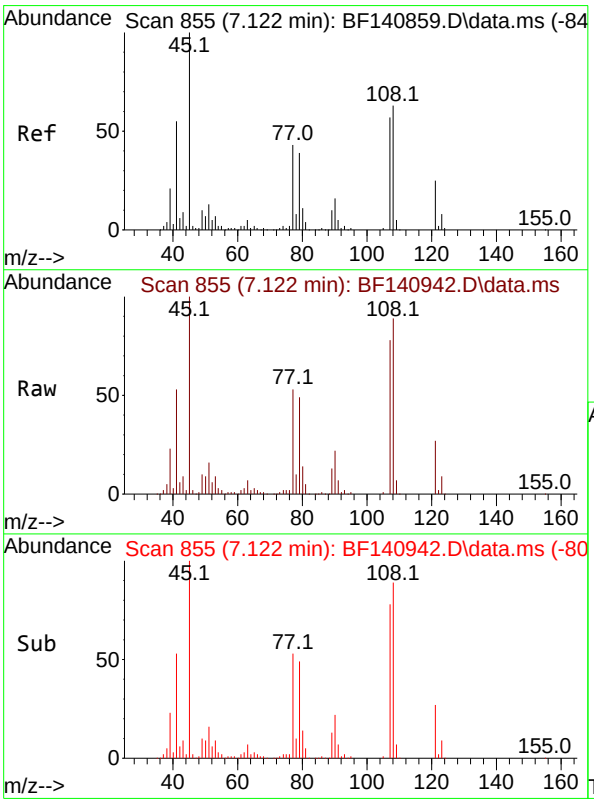

#15
Benzyl Alcohol
Concen: 37.495 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 161378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.5 | 55.1 | 82.7 |
| 77 | 62.3 | 50.6 | 76.0 |

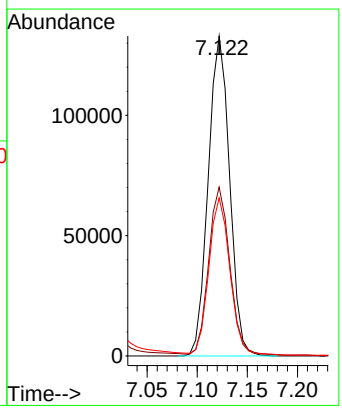


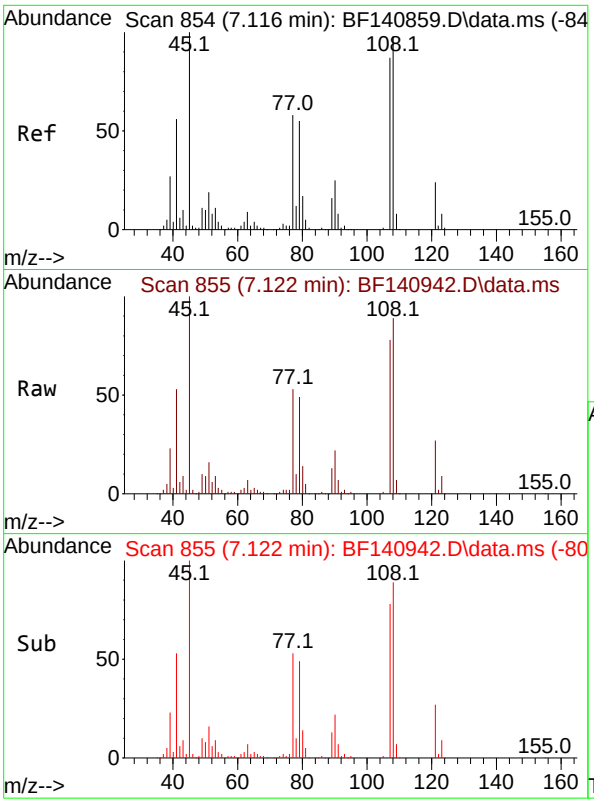




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.963 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 45 Resp: 197110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 52.7 | 23.3 | 63.3 |
| 79 | 49.4 | 20.0 | 60.0 |



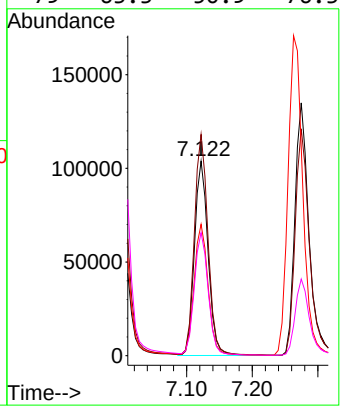


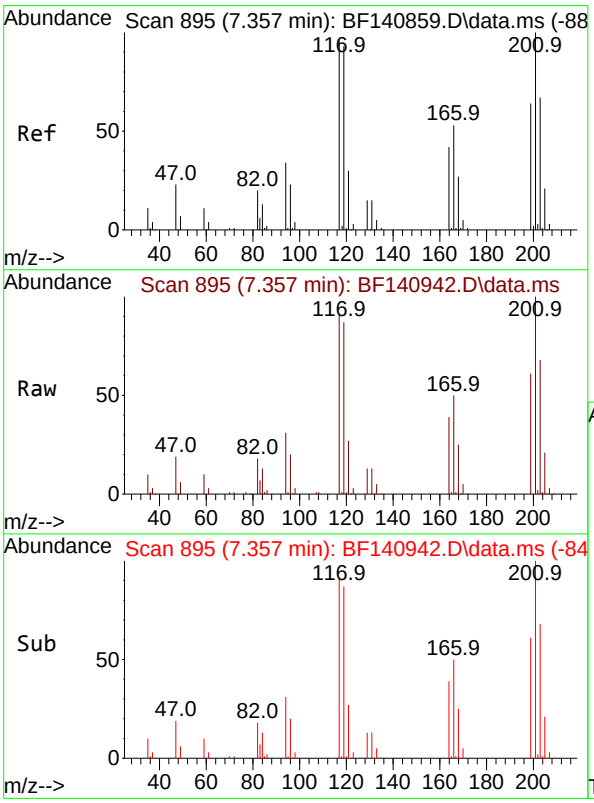

#17
2-Methylphenol
Concen: 38.095 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 150732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.7 | 90.2 | 135.4 |
| 77 | 67.6 | 53.8 | 80.6 |
| 79 | 63.3 | 50.9 | 76.3 |

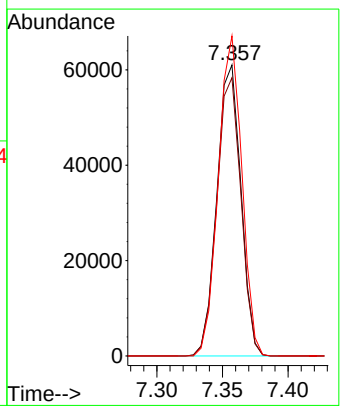


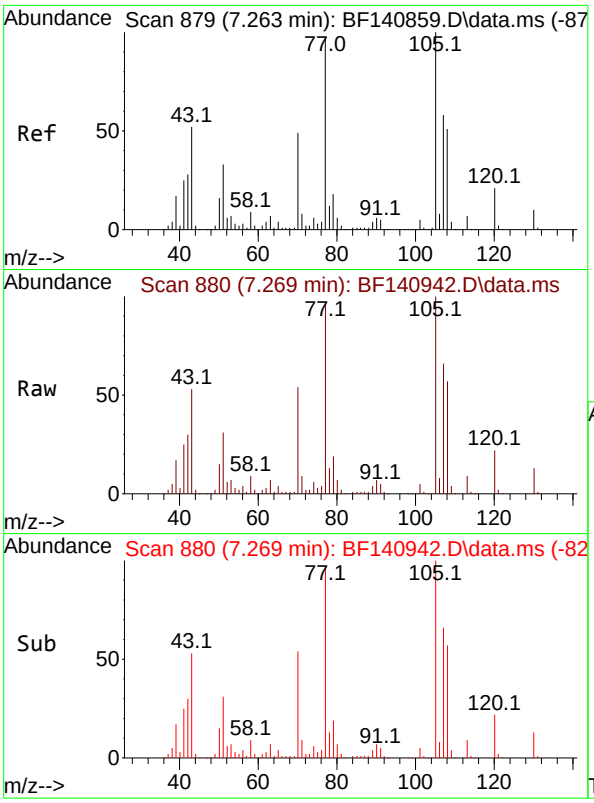




#18
Hexachloroethane
Concen: 36.502 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:117 Resp: 77896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 77.4 | 116.0 |
| 201 | 109.9 | 83.4 | 125.0 |



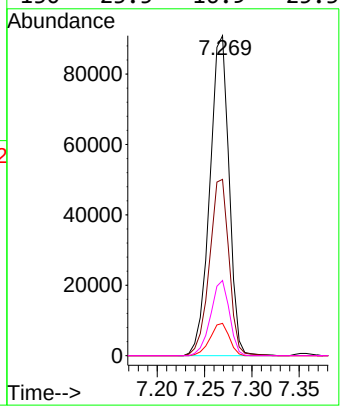


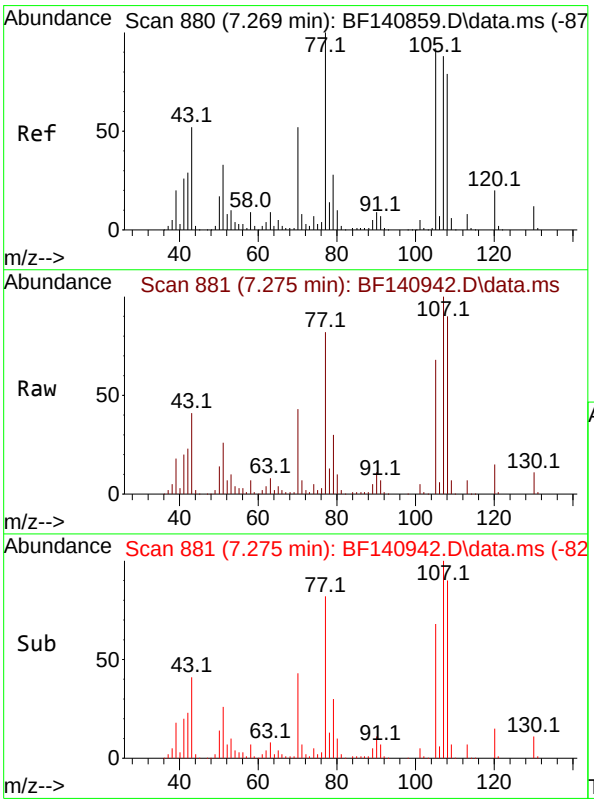

#19
n-Nitroso-di-n-propylamine
Concen: 35.587 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 128495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.1 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 23.5 | 16.9 | 25.3 |

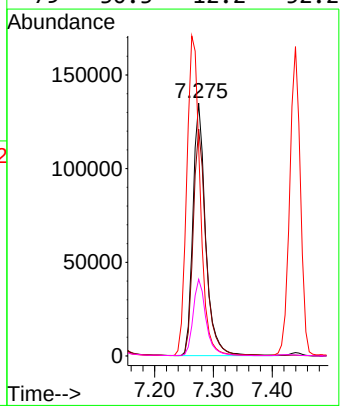


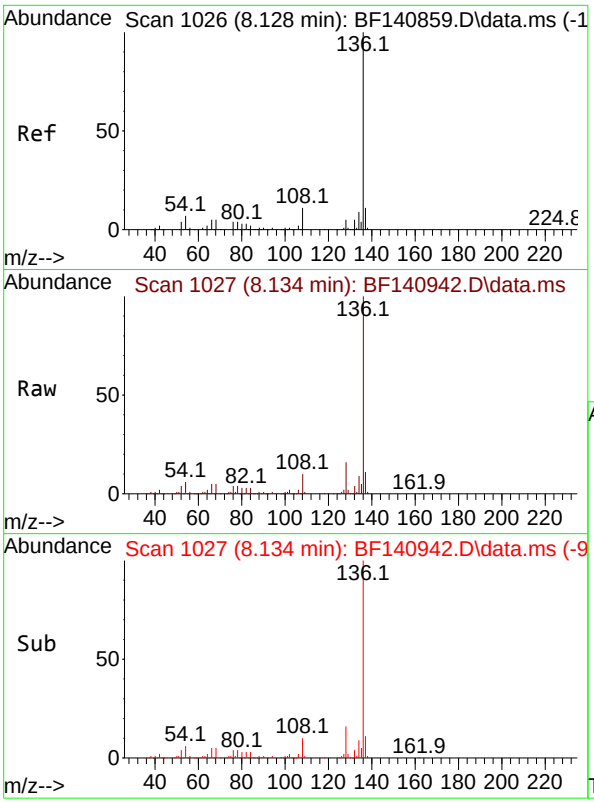




#20
3+4-Methylphenols
Concen: 38.521 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 202109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 70.1 | 110.1 |
| 77 | 82.4 | 94.4 | 134.4# |
| 79 | 30.3 | 12.2 | 52.2 |



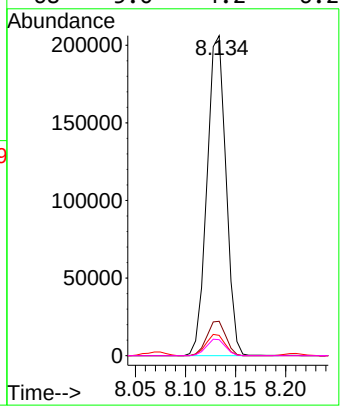


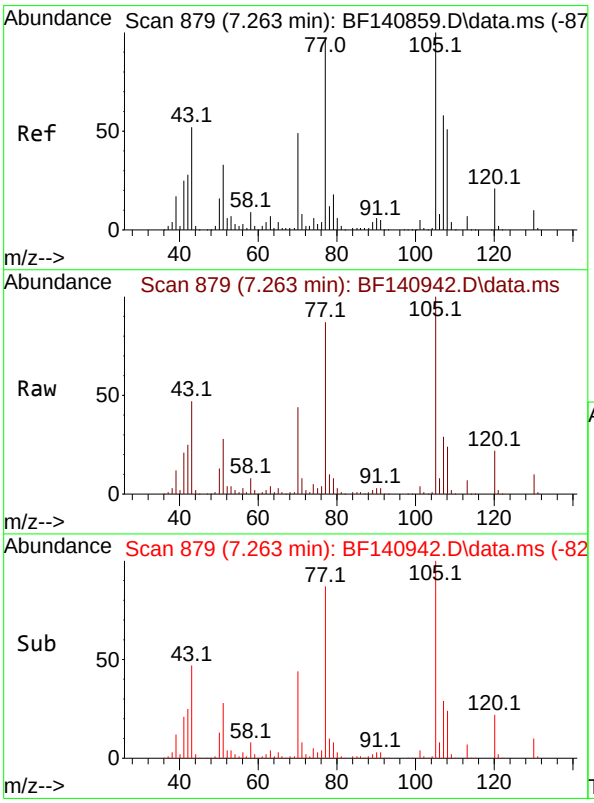

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 271589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.3 | 5.6 | 8.4 |
| 68 | 5.0 | 4.2 | 6.2 |

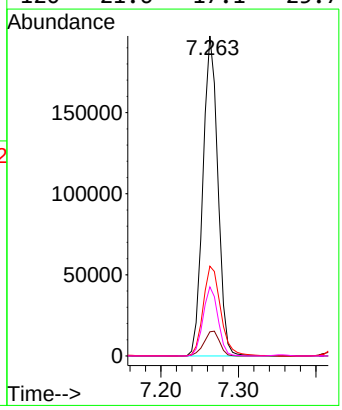


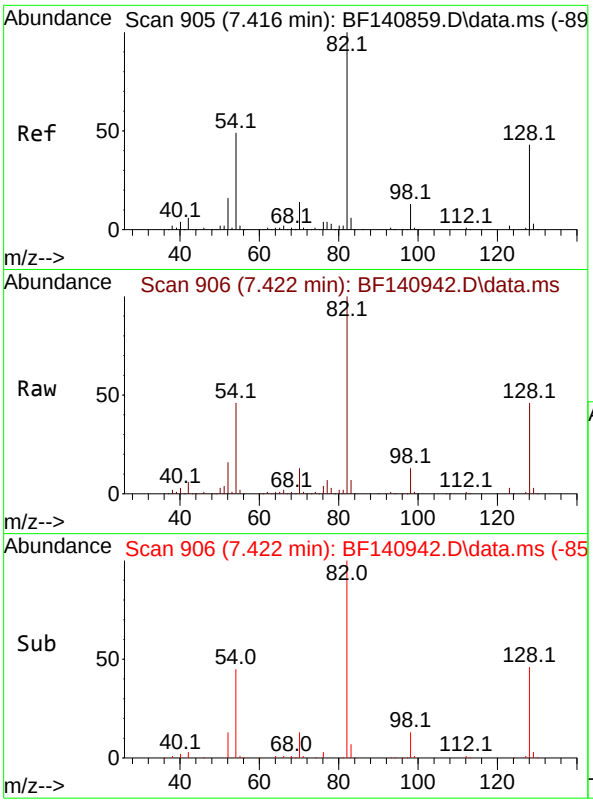




#22
Acetophenone
Concen: 38.835 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:105 Resp: 263844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.5 | 6.2 | 9.4 |
| 51 | 28.1 | 26.3 | 39.5 |
| 120 | 21.6 | 17.1 | 25.7 |



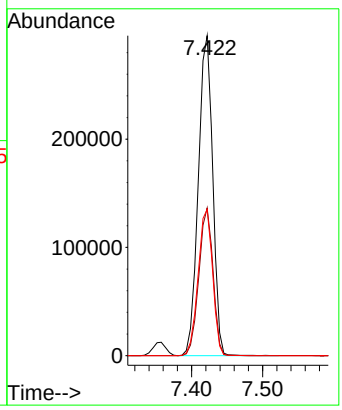


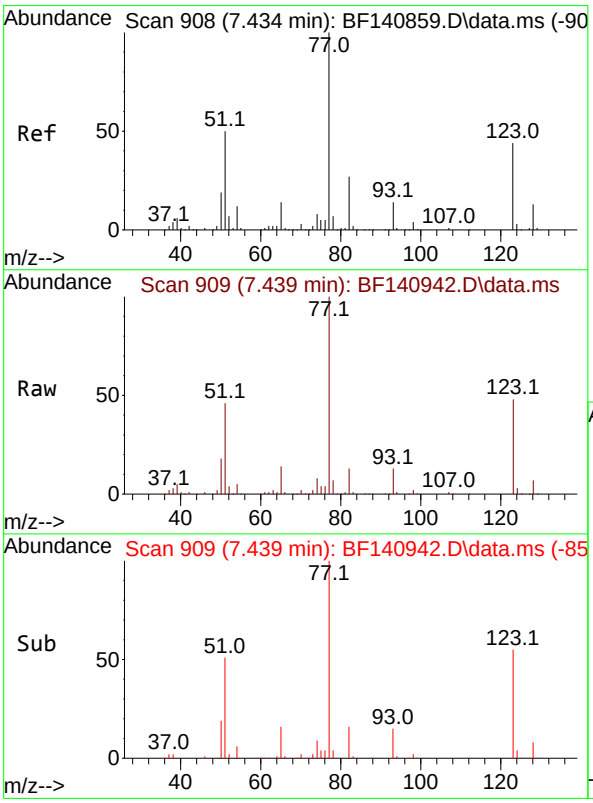

#23
Nitrobenzene-d5
Concen: 77.004 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 418009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.1 | 34.4 | 51.6 |
| 54 | 45.8 | 38.8 | 58.2 |

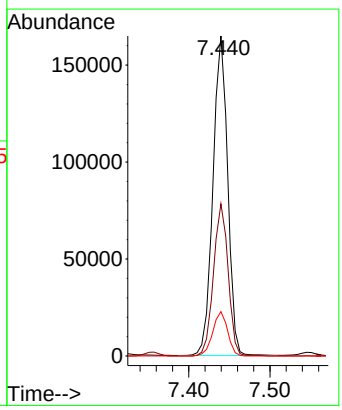


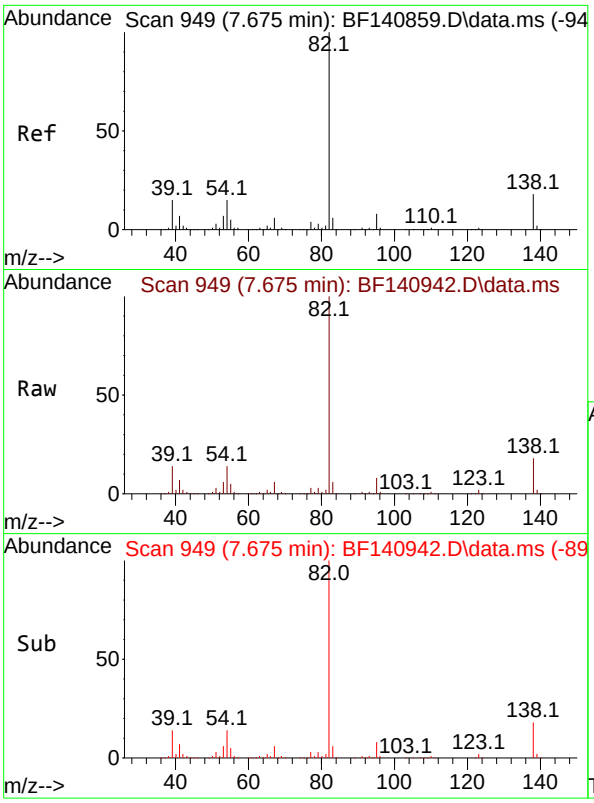




#24
Nitrobenzene
Concen: 37.305 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 77 Resp: 207460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 35.0 | 52.4 |
| 65 | 13.9 | 11.4 | 17.0 |



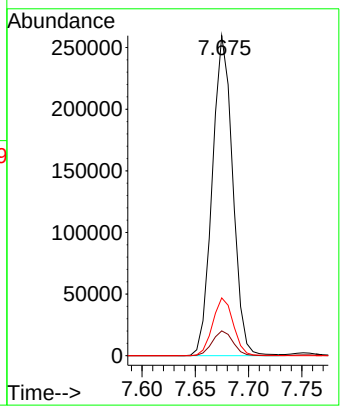


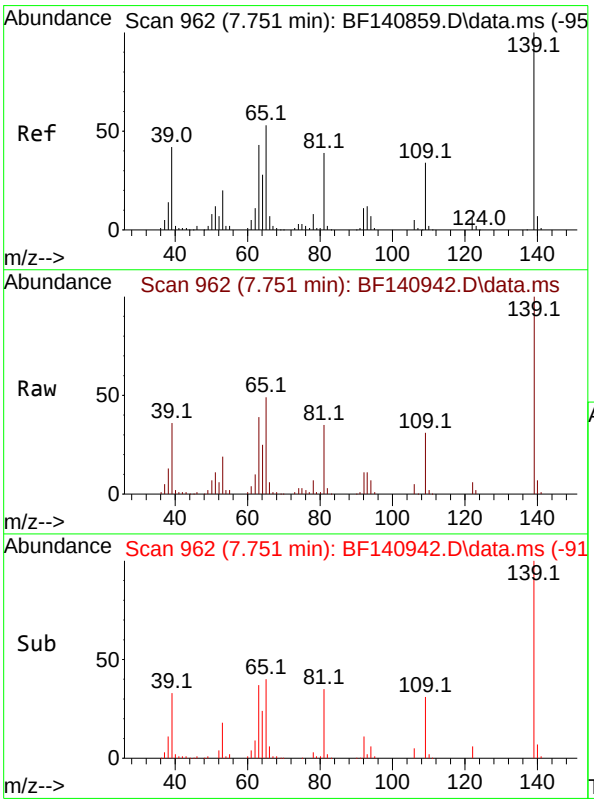

#25
Isophorone
Concen: 38.063 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 346209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.3 | 9.5 |
| 138 | 18.1 | 14.1 | 21.1 |

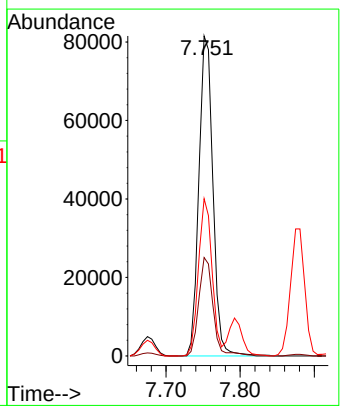


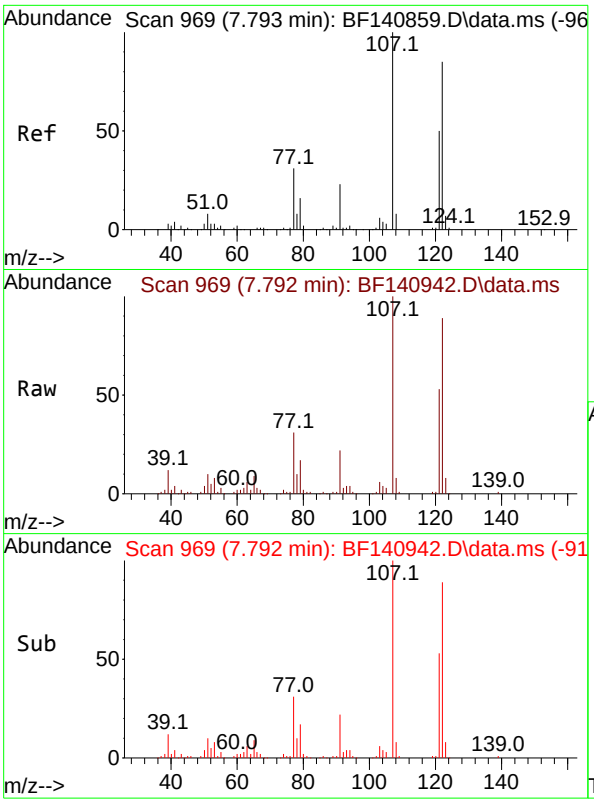




#26
2-Nitrophenol
Concen: 41.913 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:139 Resp: 107352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.8 | 26.9 | 40.3 |
| 65 | 49.1 | 42.6 | 64.0 |



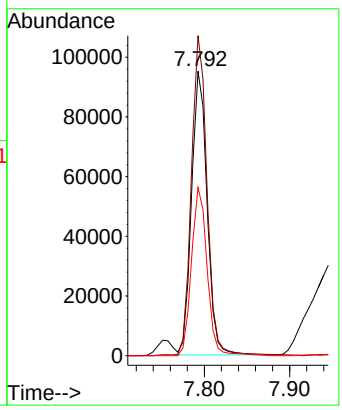


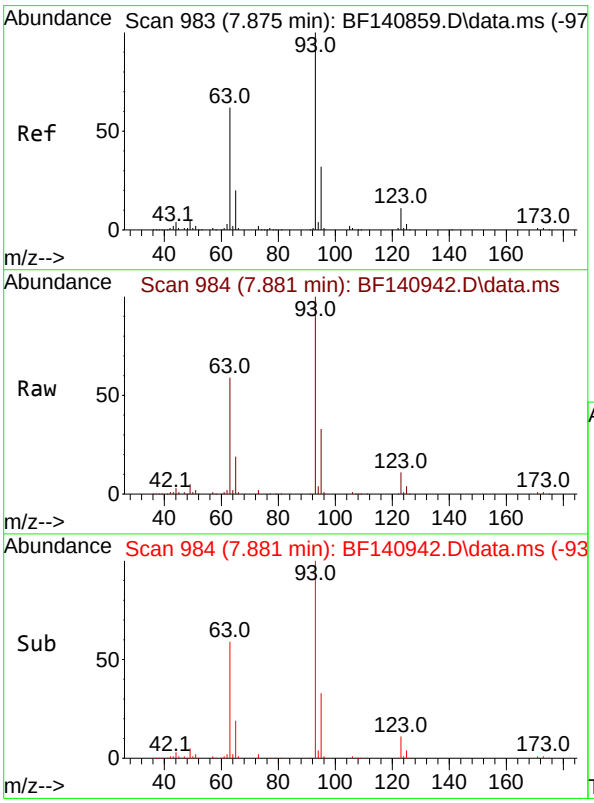

#27
2,4-Dimethylphenol
Concen: 40.254 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 120407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.5 | 92.6 | 139.0 |
| 121 | 59.1 | 45.8 | 68.8 |

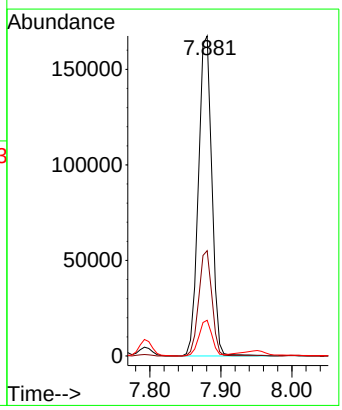


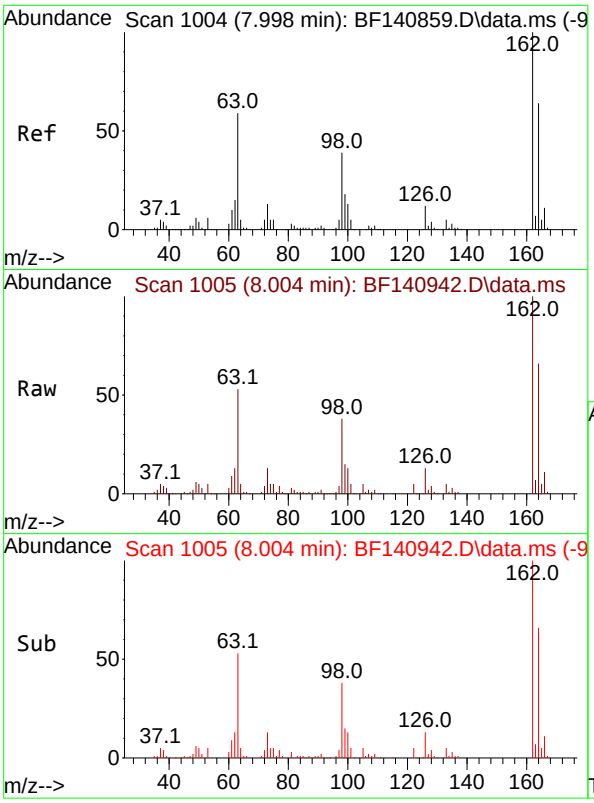




#28
bis(2-Chloroethoxy)methane
Concen: 38.864 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 93 Resp: 220781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.3 | 37.9 |
| 123 | 11.1 | 8.6 | 13.0 |



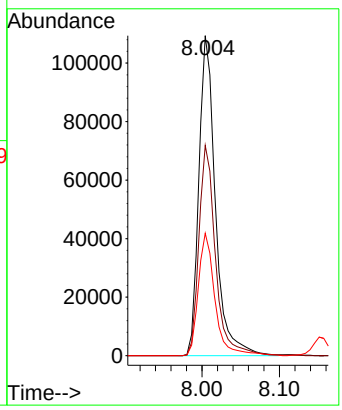


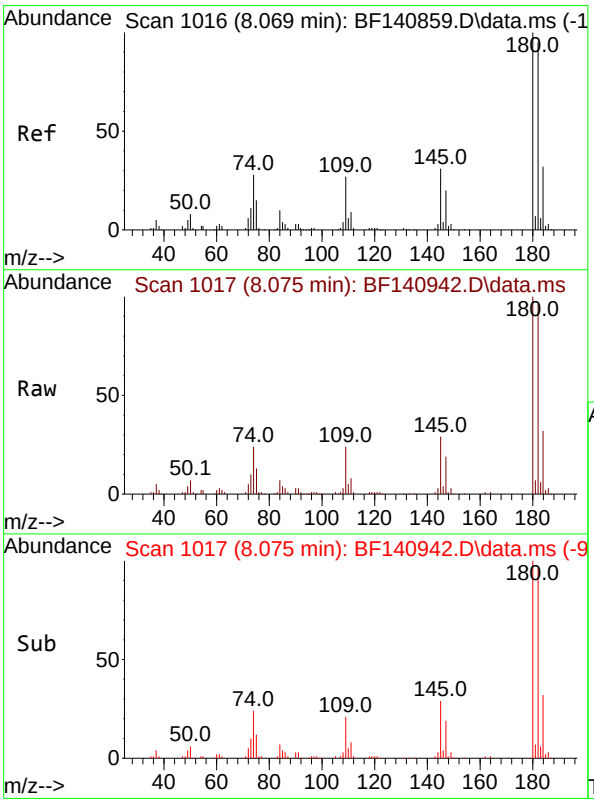

#29
2,4-Dichlorophenol
Concen: 39.361 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 162546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.7 | 43.7 | 83.7 |
| 98 | 38.3 | 18.6 | 58.6 |

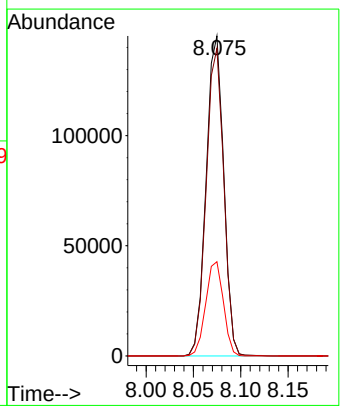


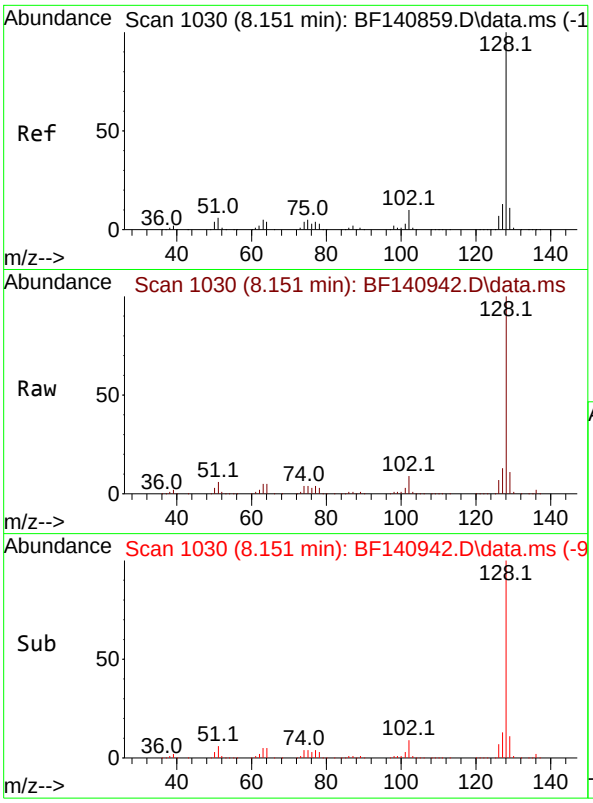




#30
1,2,4-Trichlorobenzene
Concen: 39.649 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:180 Resp: 187702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.8 | 113.6 |
| 145 | 29.5 | 25.2 | 37.8 |



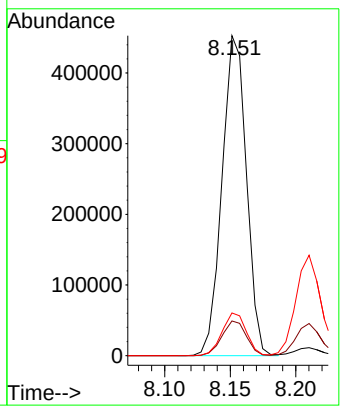


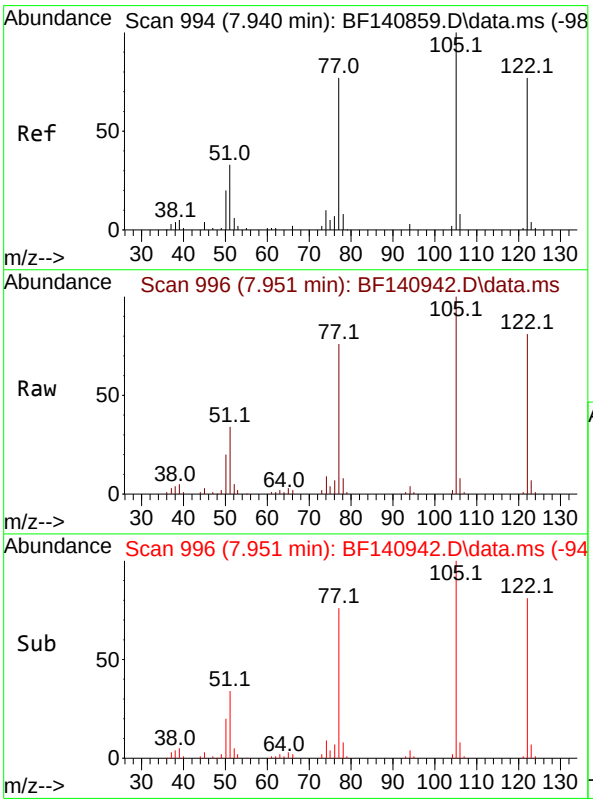

#31
Naphthalene
Concen: 39.270 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 585851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 16.0 |

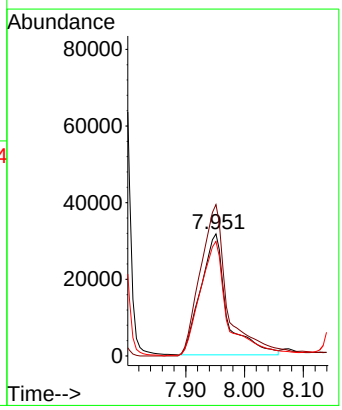


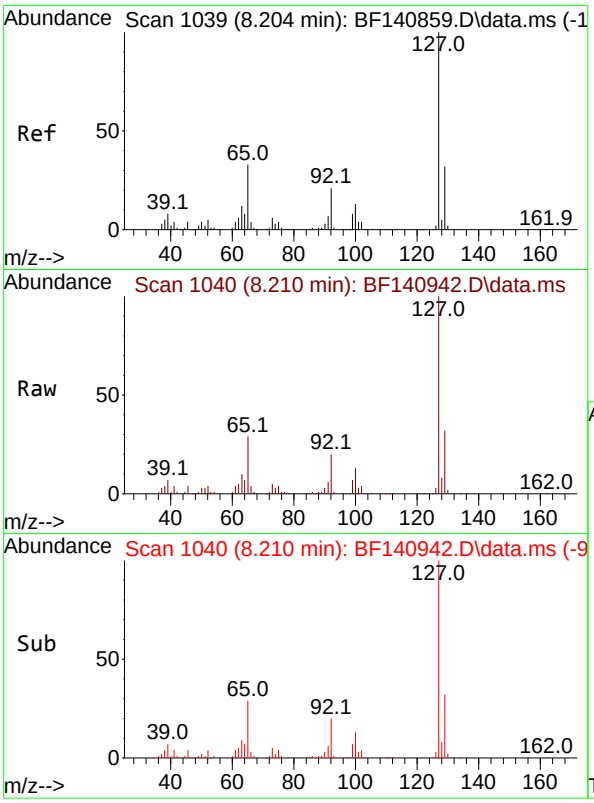




#32
Benzoic acid
Concen: 34.606 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:122 Resp: 98174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 108.3 | 148.3 |
| 77 | 93.8 | 78.8 | 118.8 |



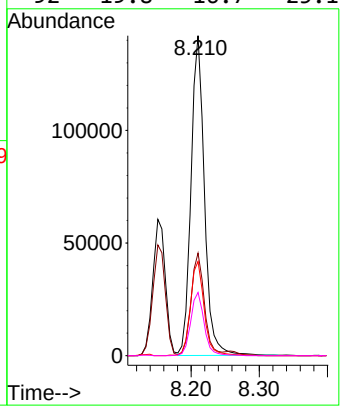


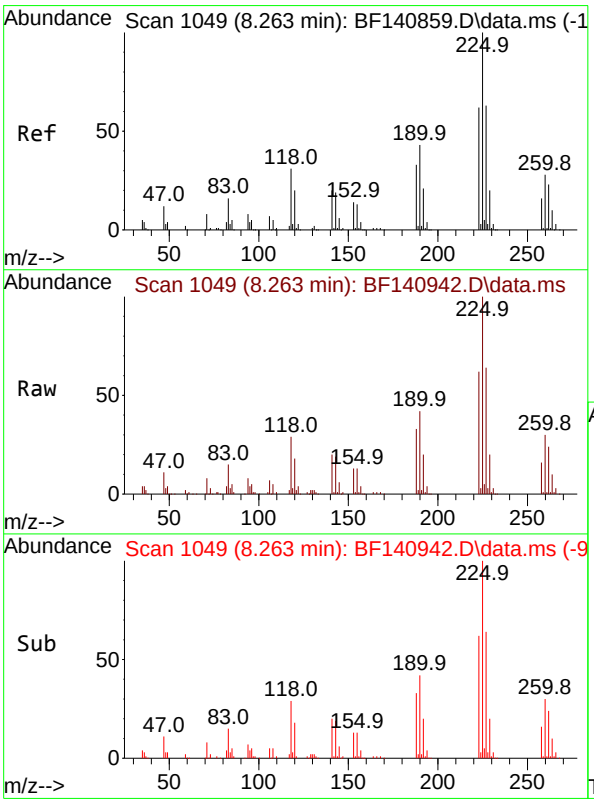

#33
4-Chloroaniline
Concen: 39.228 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 194369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.0 | 39.0 |
| 65 | 29.5 | 26.0 | 39.0 |
| 92 | 19.8 | 16.7 | 25.1 |

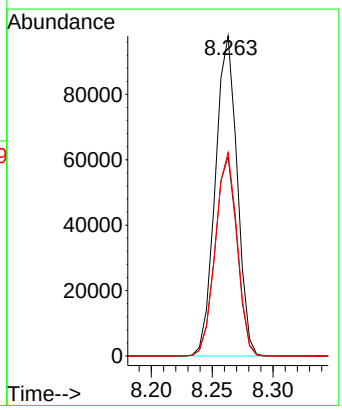


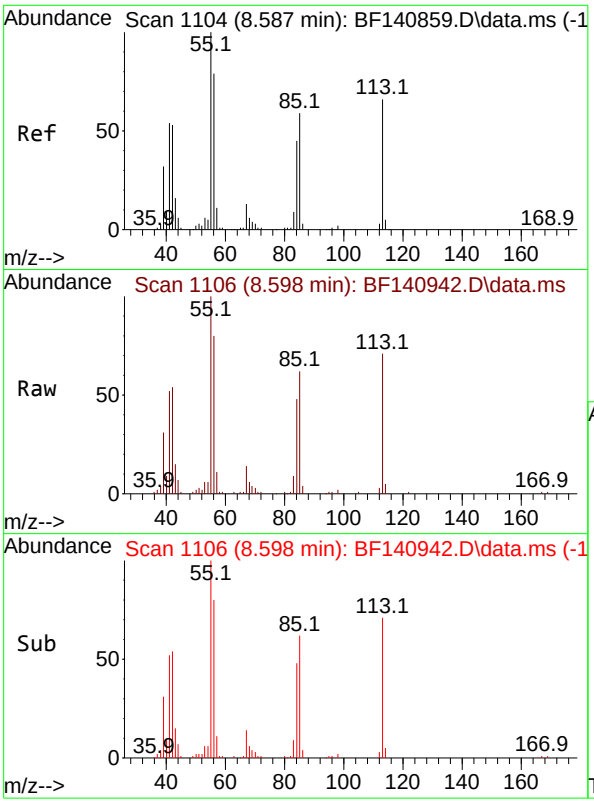




#34
Hexachlorobutadiene
Concen: 38.289 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:225 Resp: 121955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 49.6 | 74.4 |
| 227 | 63.6 | 50.7 | 76.1 |



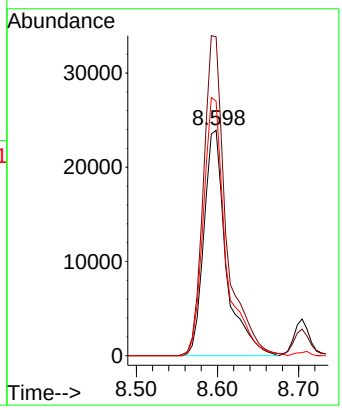


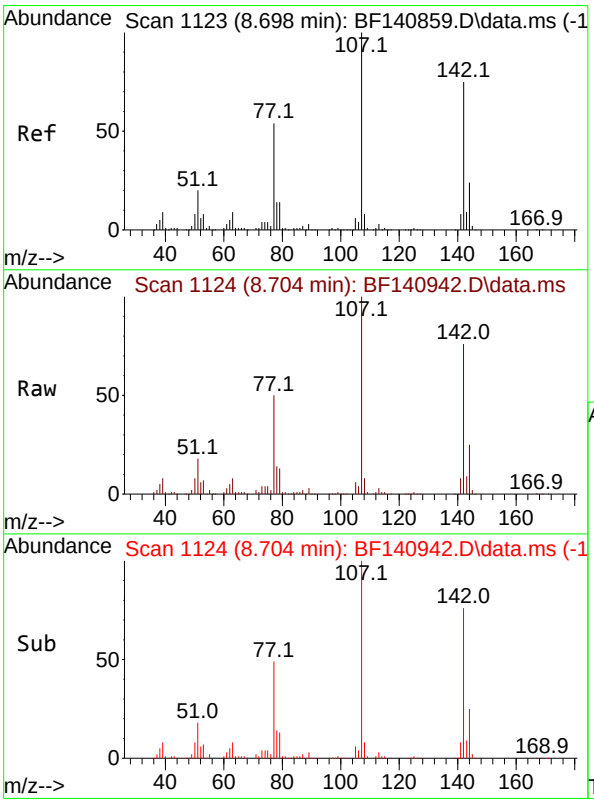

#35
Caprolactam
Concen: 37.061 ng
RT: 8.598 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 45564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 141.5 | 132.3 | 172.3 |
| 56 | 112.9 | 100.3 | 140.3 |

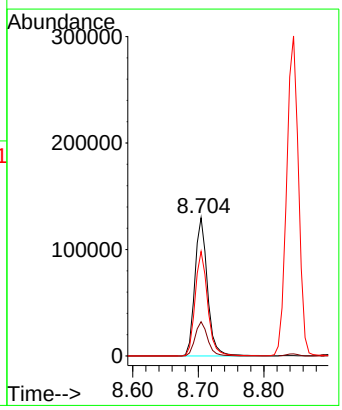


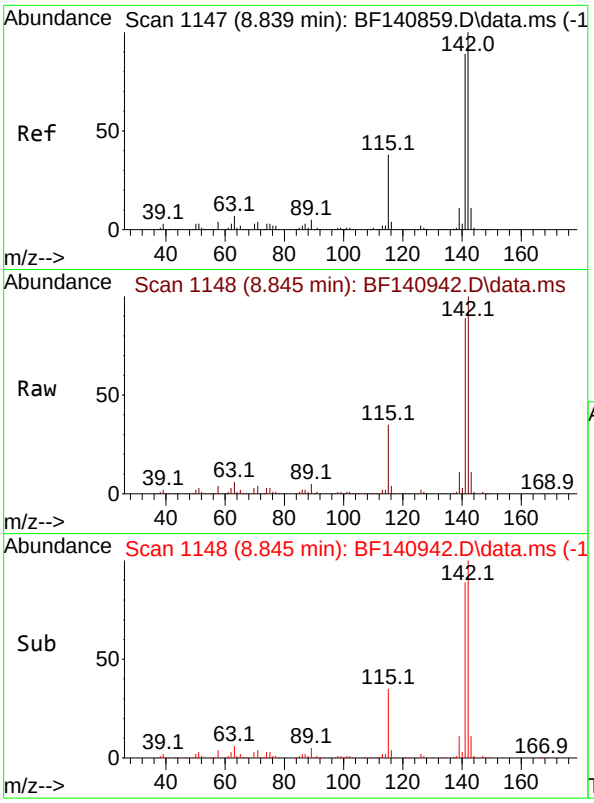




#36
4-Chloro-3-methylphenol
Concen: 37.361 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 173656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 19.4 | 29.2 |
| 142 | 75.5 | 60.3 | 90.5 |



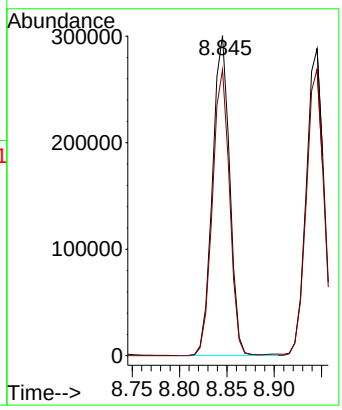


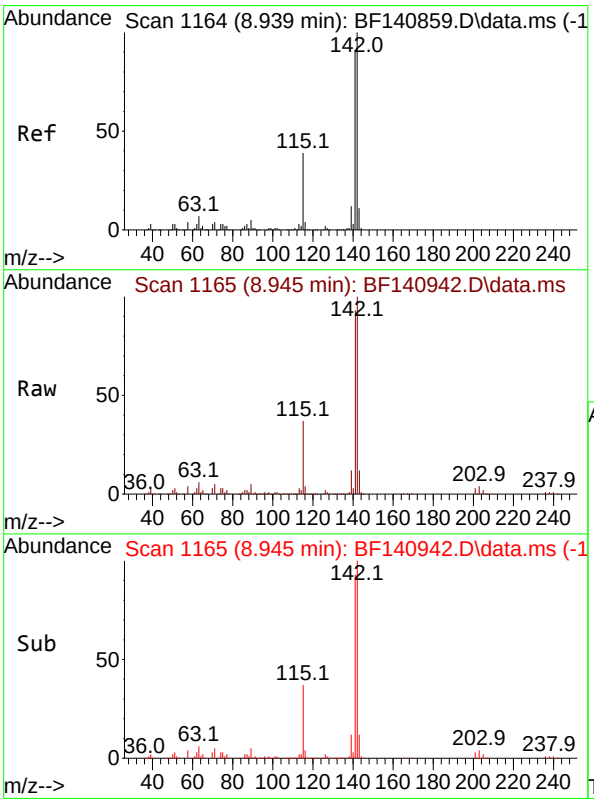

#37
2-Methylnaphthalene
Concen: 38.282 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 377796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.0 | 106.6 |

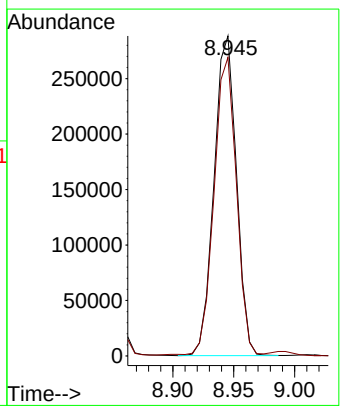


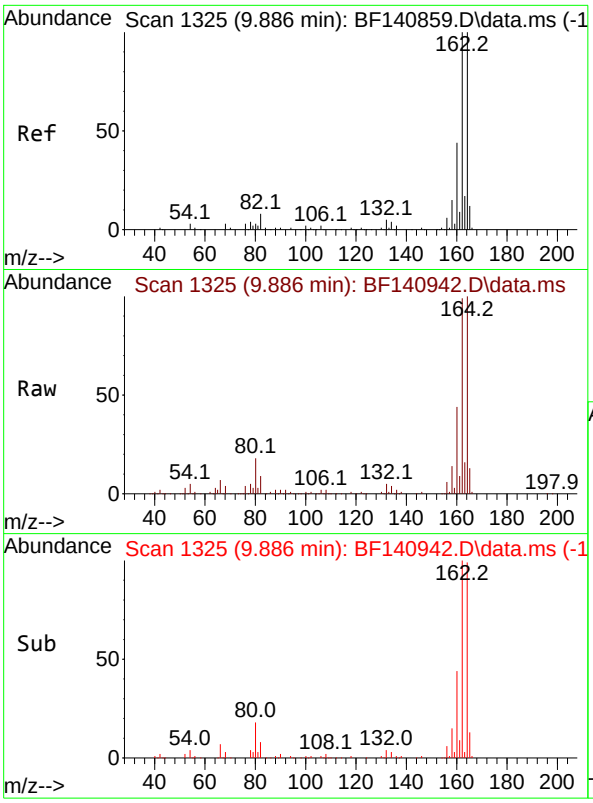




#38
1-Methylnaphthalene
Concen: 37.761 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:142 Resp: 368550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 73.4 | 110.0 |



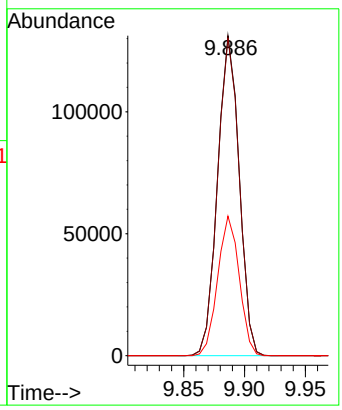


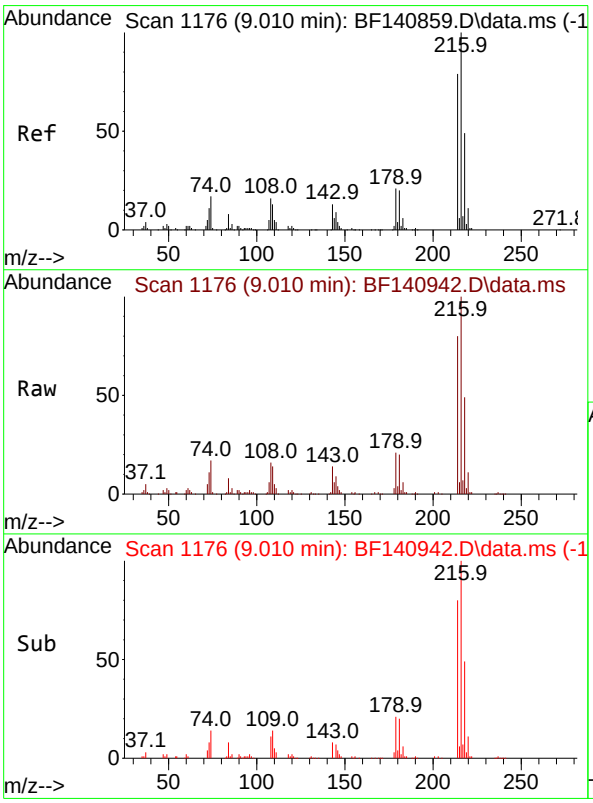

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 162319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 79.9 | 119.9 |
| 160 | 43.6 | 35.2 | 52.8 |

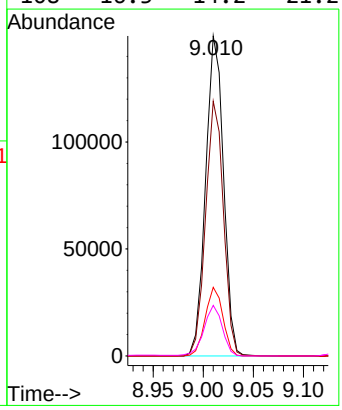


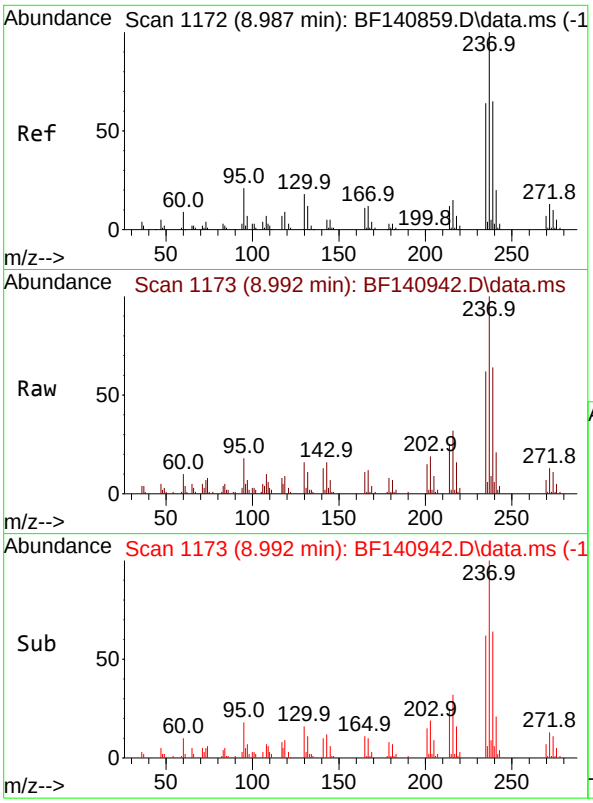




#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.349 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:216 Resp: 186337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.6 | 95.4 |
| 179 | 21.1 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |



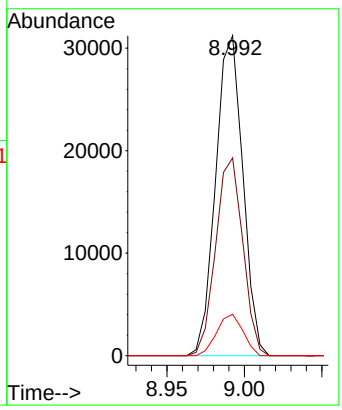


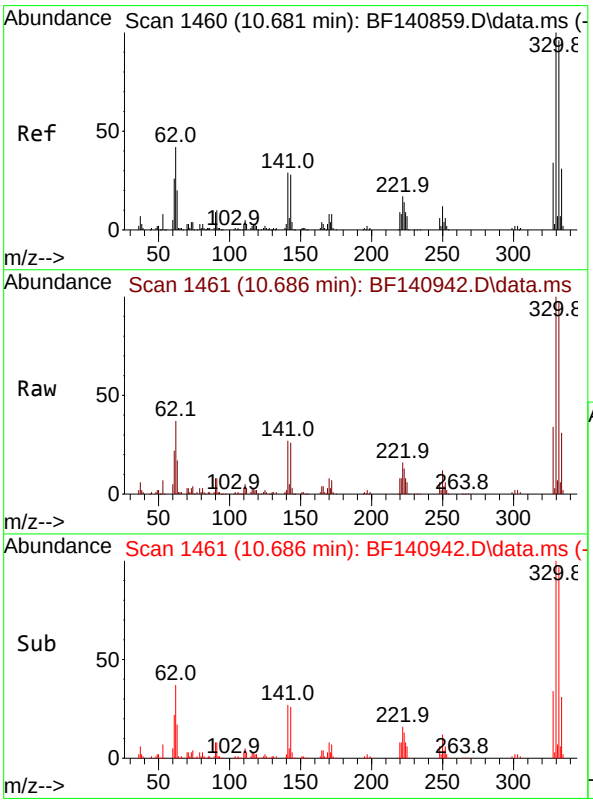

#41
Hexachlorocyclopentadiene
Concen: 34.773 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 38088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 43.7 | 83.7 |
| 272 | 13.0 | 0.0 | 32.9 |

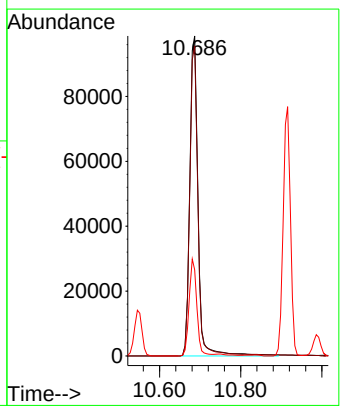


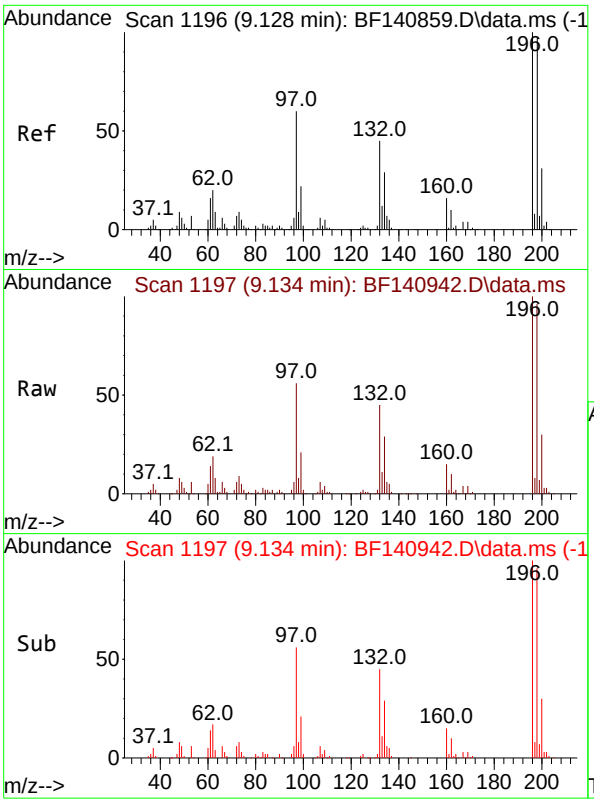




#42
2,4,6-Tribromophenol
Concen: 72.531 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:330 Resp: 139243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.2 | 114.4 |
| 141 | 28.3 | 24.9 | 37.3 |



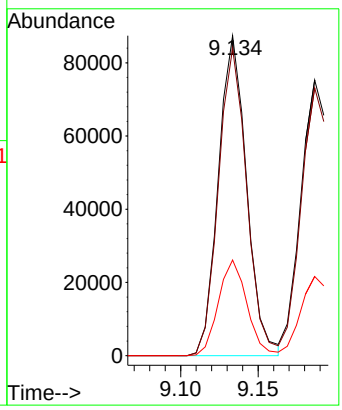


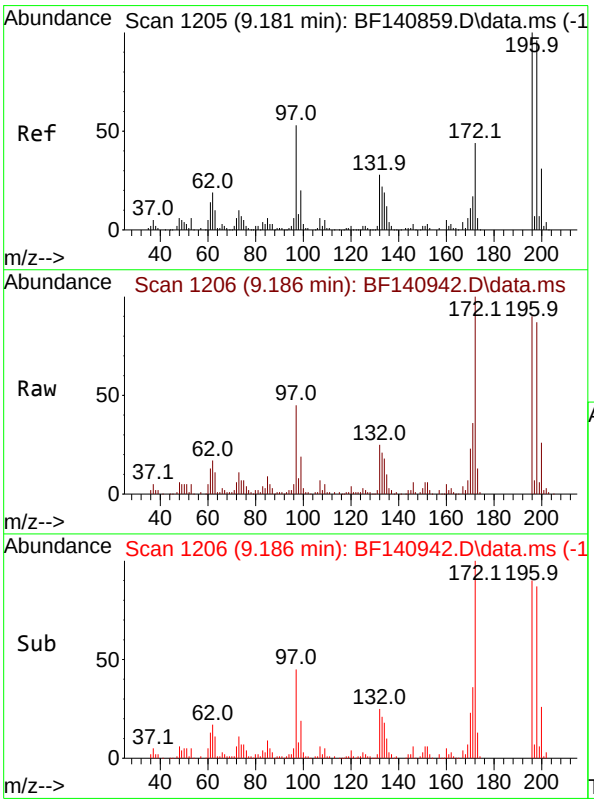

#43
2,4,6-Trichlorophenol
Concen: 36.226 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 110669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 77.4 | 116.0 |
| 200 | 29.9 | 24.5 | 36.7 |

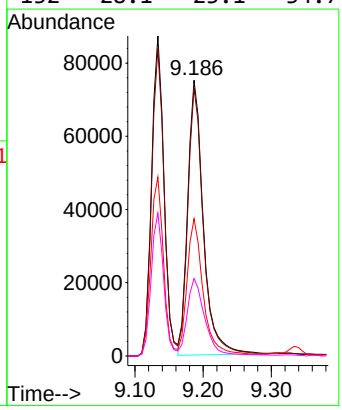


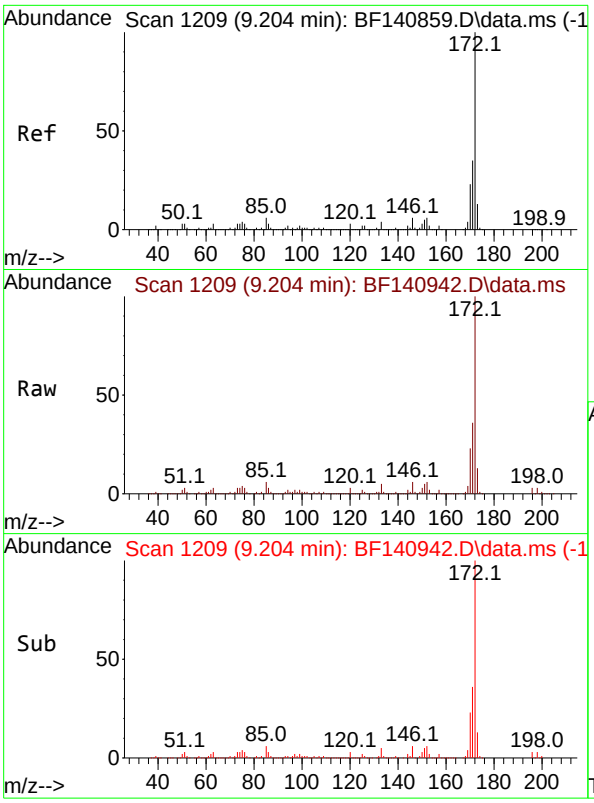




#44
2,4,5-Trichlorophenol
Concen: 35.638 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:196 Resp: 119664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 77.2 | 115.8 |
| 97 | 49.8 | 42.2 | 63.4 |
| 132 | 28.1 | 23.1 | 34.7 |



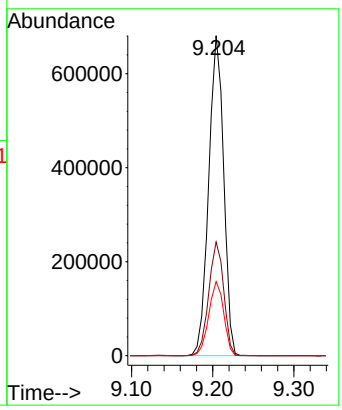


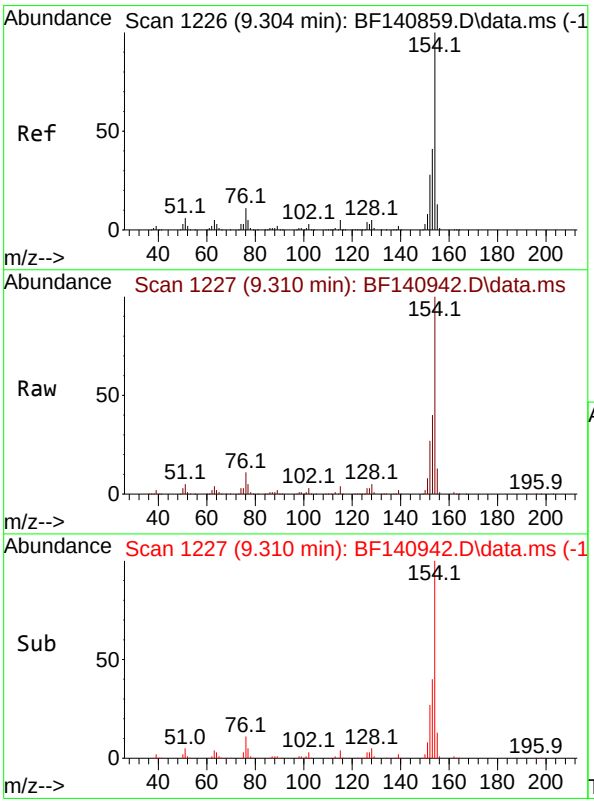

#45
2-Fluorobiphenyl
Concen: 73.670 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 869766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.4 | 42.6 |
| 170 | 23.2 | 18.6 | 28.0 |

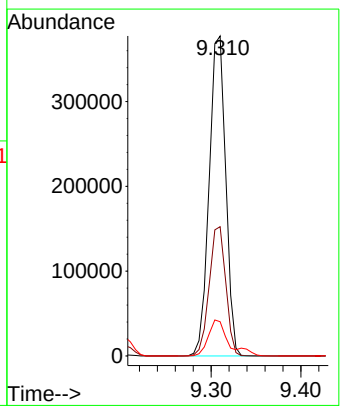


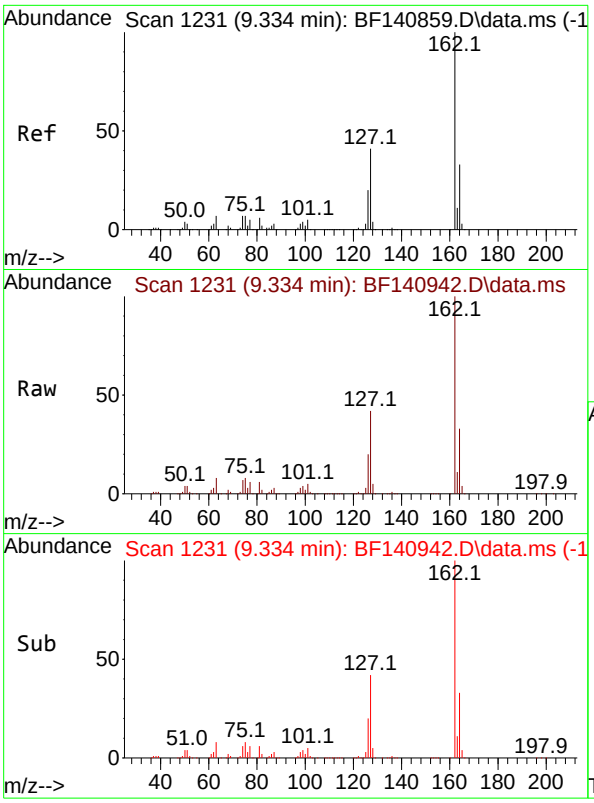




#46
1,1'-Biphenyl
Concen: 37.480 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:154 Resp: 483766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.8 | 60.8 |
| 76 | 10.7 | 0.0 | 31.0 |



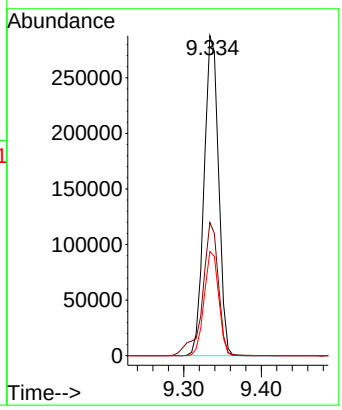


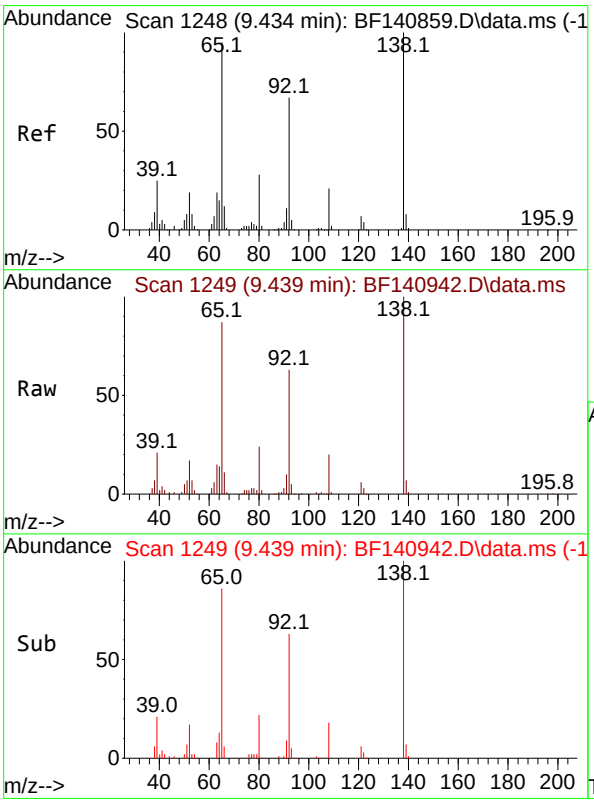

#47
2-Chloronaphthalene
Concen: 37.889 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 374124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.6 | 33.5 | 50.3 |
| 164 | 32.5 | 26.2 | 39.2 |

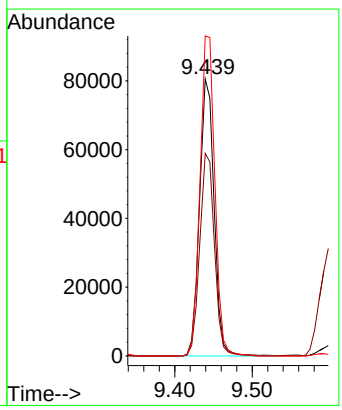


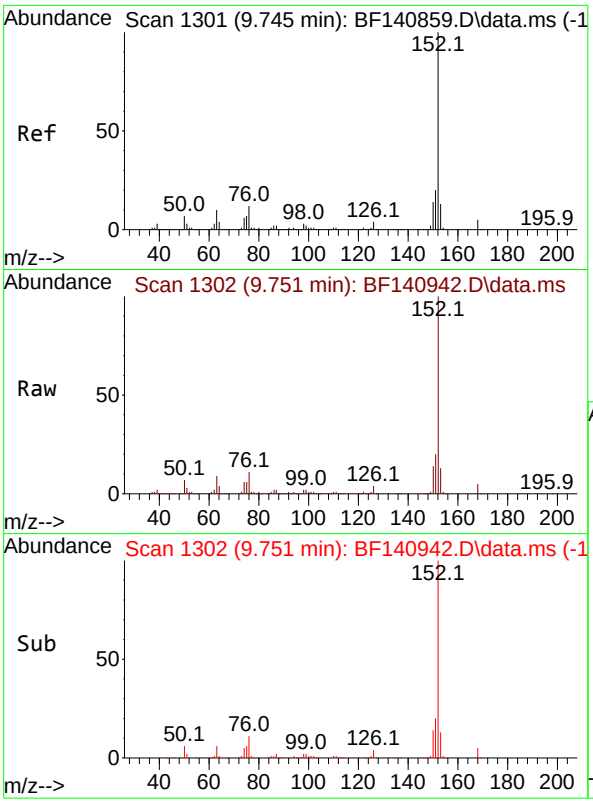




#48
2-Nitroaniline
Concen: 35.406 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 65 Resp: 105588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.1 | 56.3 | 84.5 |
| 138 | 115.5 | 83.8 | 125.6 |



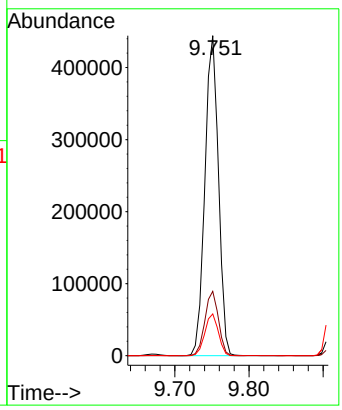


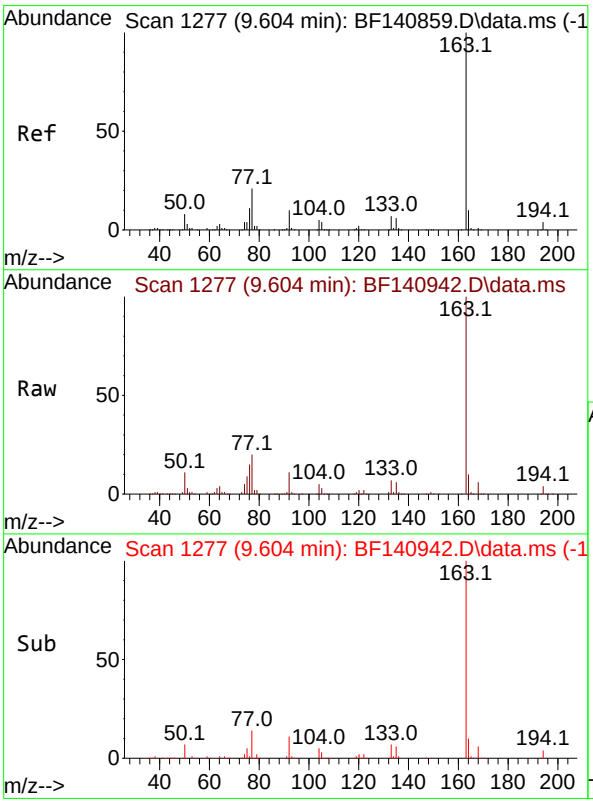

#49
Acenaphthylene
Concen: 38.943 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 565101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |

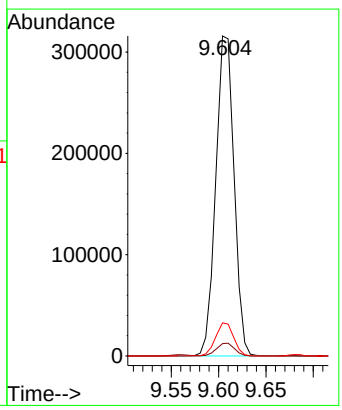


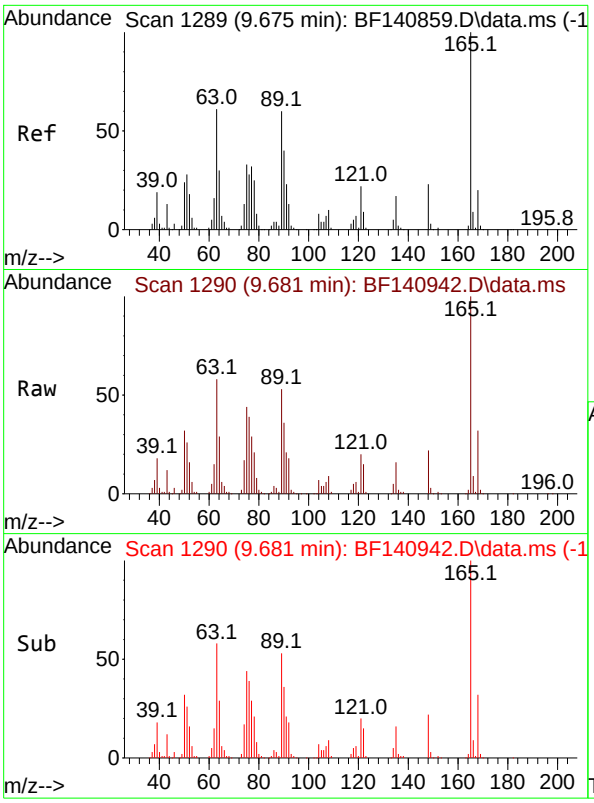




#50
Dimethylphthalate
Concen: 37.159 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:163 Resp: 425243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.3 | 8.1 | 12.1 |



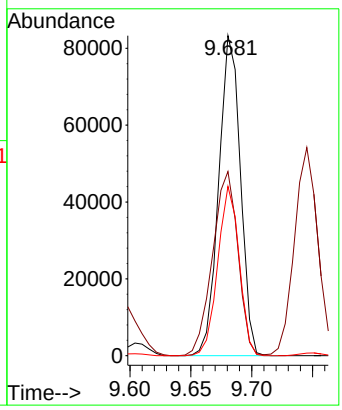


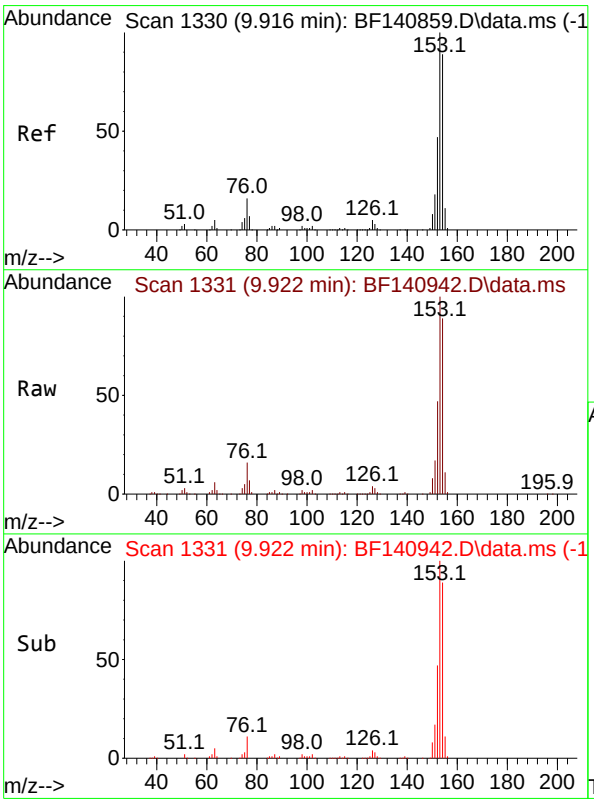

#51
2,6-Dinitrotoluene
Concen: 39.451 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 103210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.5 | 49.7 | 74.5 |
| 89 | 52.9 | 48.2 | 72.4 |

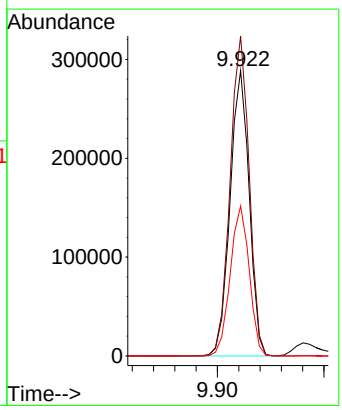


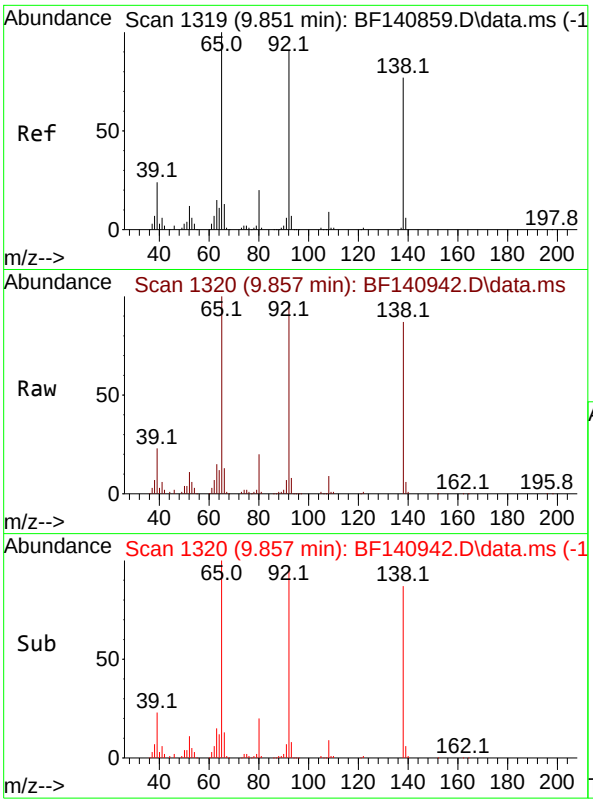




#52
Acenaphthene
Concen: 38.772 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:154 Resp: 359395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.9 | 134.9 |
| 152 | 52.6 | 42.6 | 63.8 |



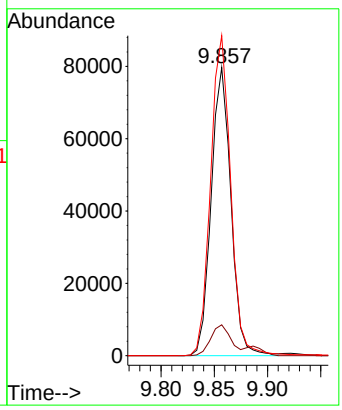


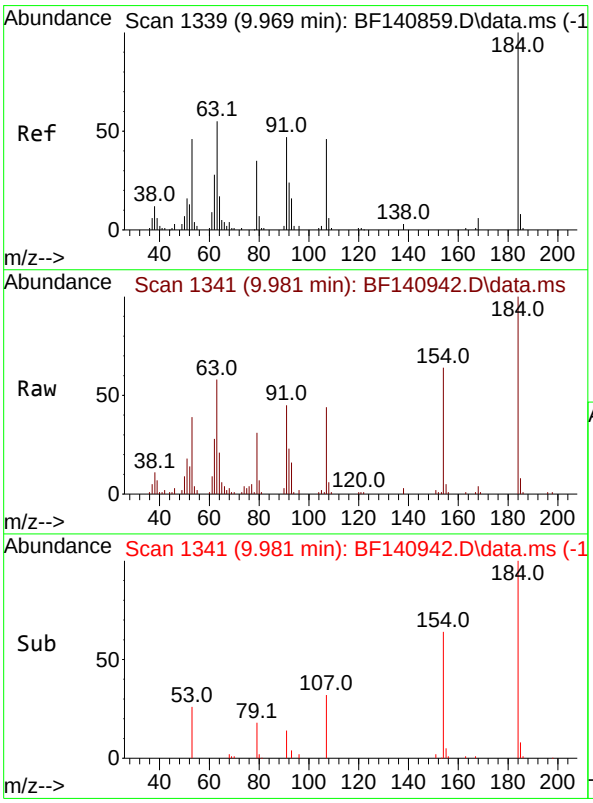

#53
3-Nitroaniline
Concen: 39.535 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 102644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.7 | 9.0 | 13.4 |
| 92 | 111.0 | 95.5 | 143.3 |

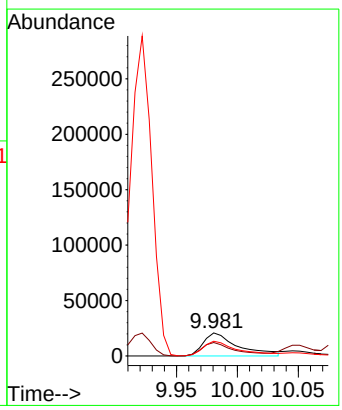


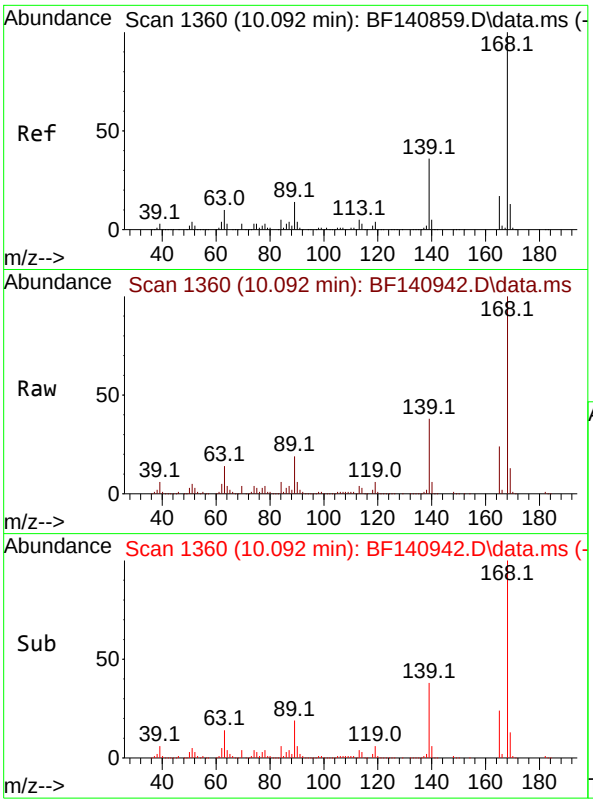




#54
2,4-Dinitrophenol
Concen: 36.272 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:184 Resp: 41330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 58.3 | 51.6 | 77.4 |
| 154 | 64.1 | 56.1 | 84.1 |



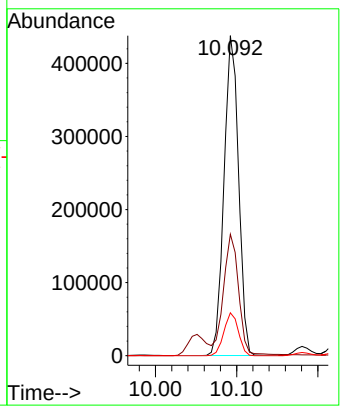


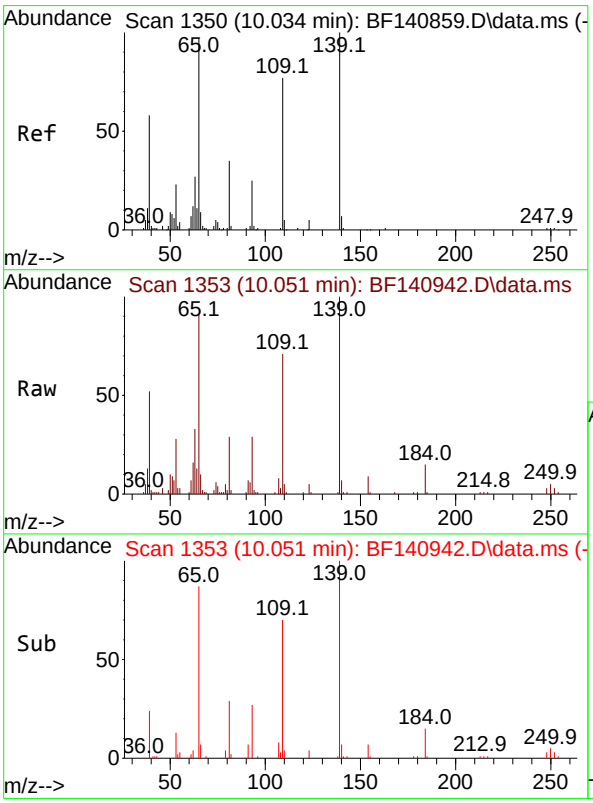

#55
Dibenzofuran
Concen: 38.012 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 545976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 31.1 | 46.7 |
| 169 | 13.4 | 10.6 | 16.0 |

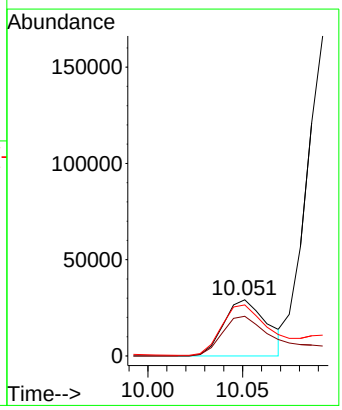


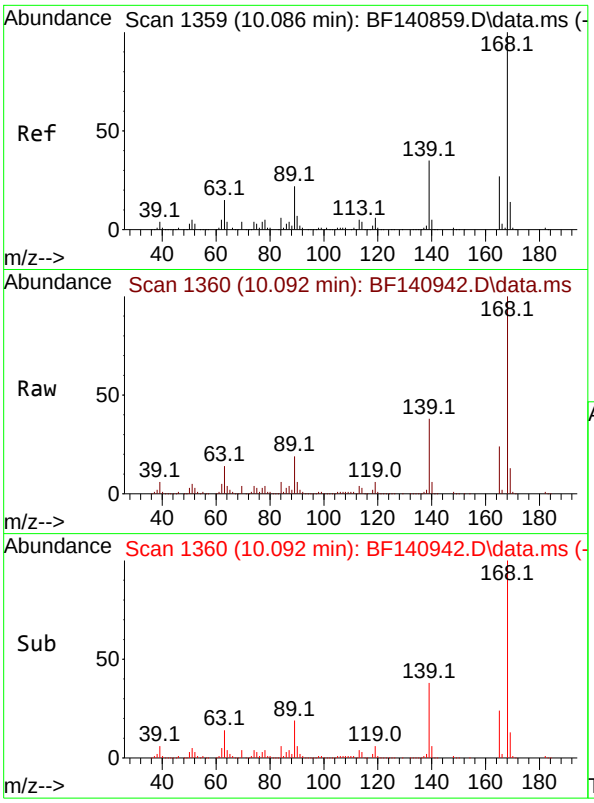




#56
4-Nitrophenol
Concen: 35.773 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:139 Resp: 46328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.9 | 56.7 | 96.7 |
| 65 | 91.1 | 78.1 | 118.1 |



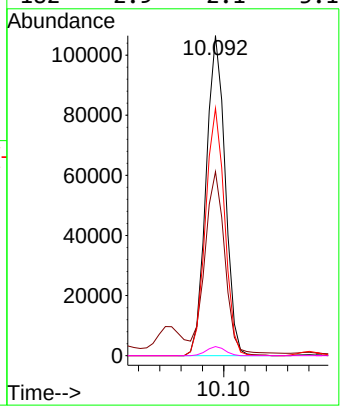


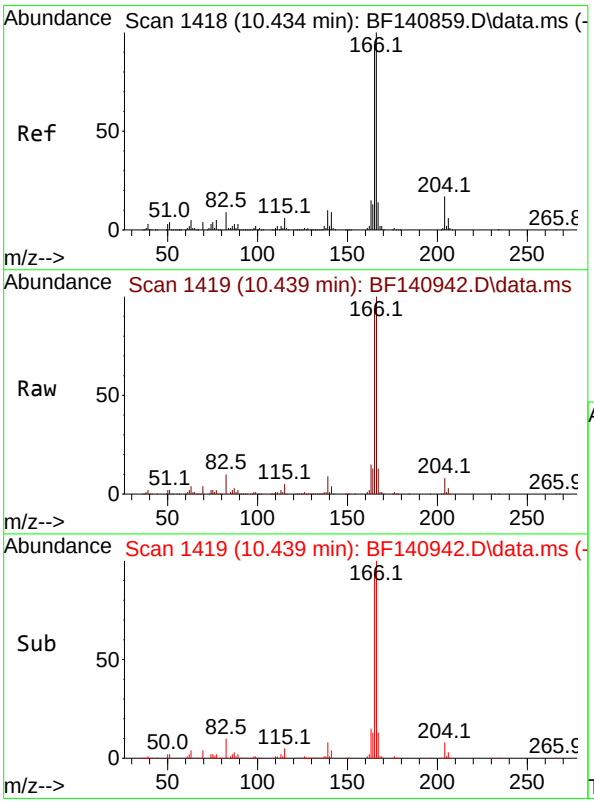

#57
2,4-Dinitrotoluene
Concen: 38.516 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 132579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.5 | 49.3 | 73.9 |
| 89 | 77.3 | 66.2 | 99.4 |
| 182 | 2.9 | 2.1 | 3.1 |

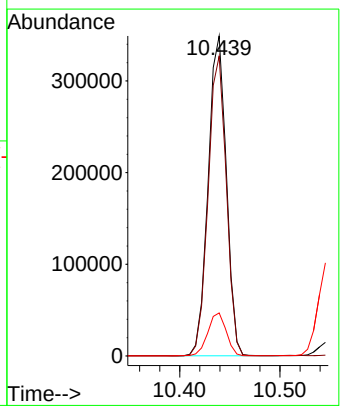


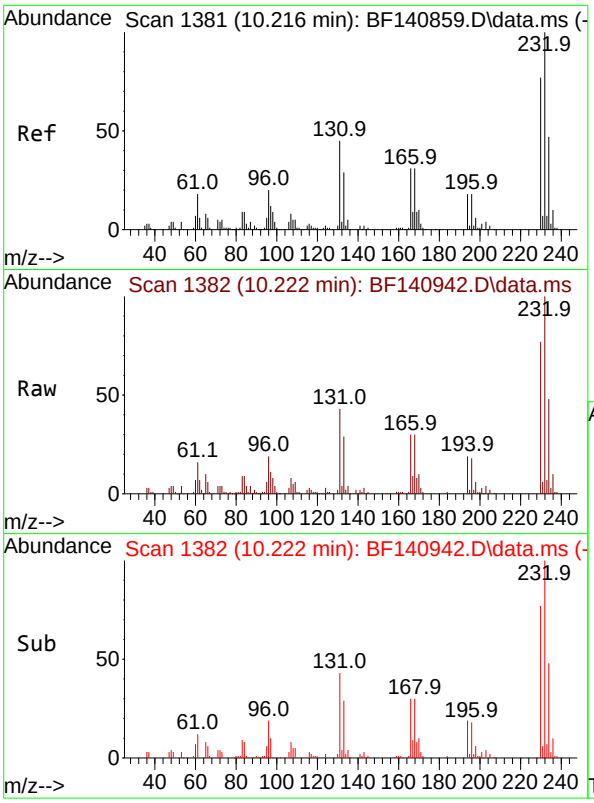




#58
Fluorene
Concen: 37.139 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:166 Resp: 440079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.7 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |



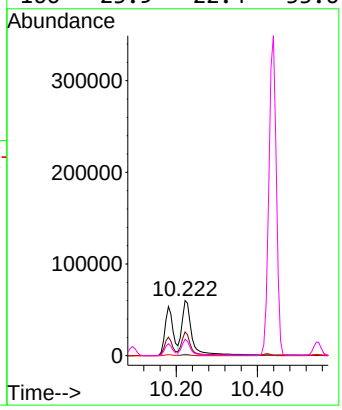


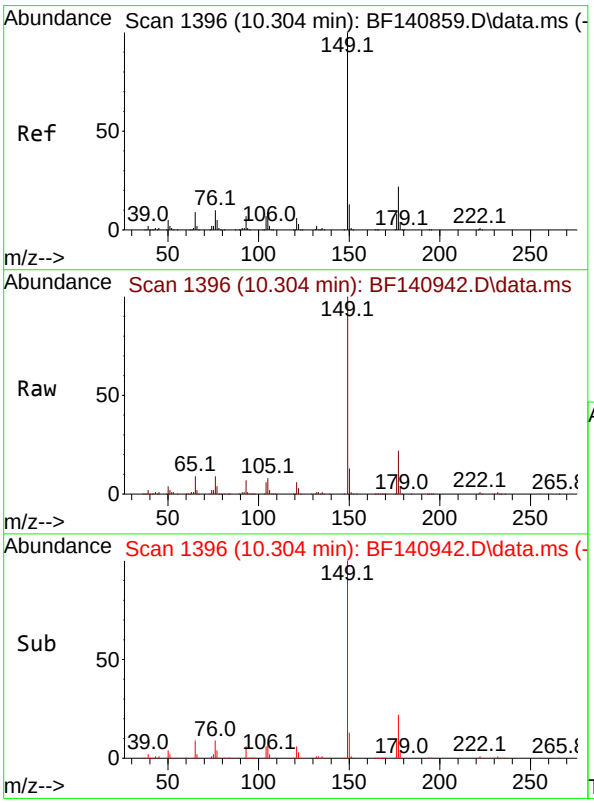

#59
2,3,4,6-Tetrachlorophenol
Concen: 37.214 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 101821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 37.8 | 35.1 | 52.7 |
| 130 | 1.9 | 1.8 | 2.8 |
| 166 | 23.9 | 22.4 | 33.6 |

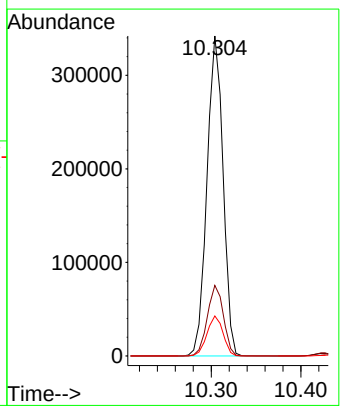


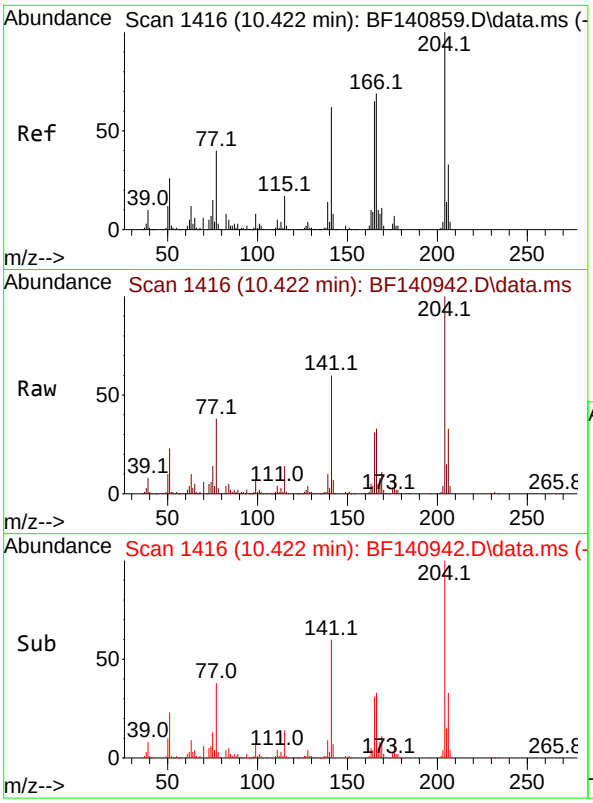




#60
Diethylphthalate
Concen: 35.936 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 426443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.0 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |



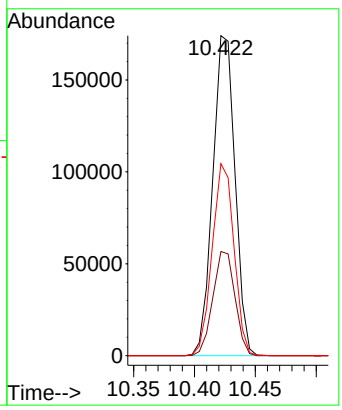


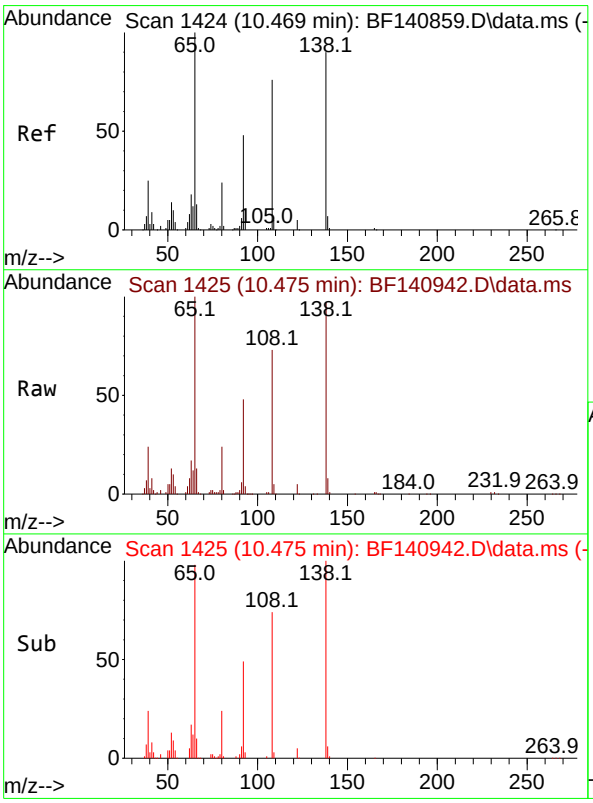

#61
4-Chlorophenyl-phenylether
Concen: 37.200 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 221428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 60.0 | 50.0 | 75.0 |

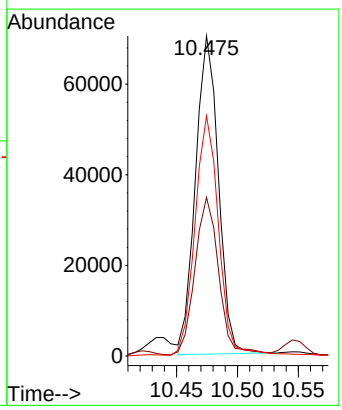


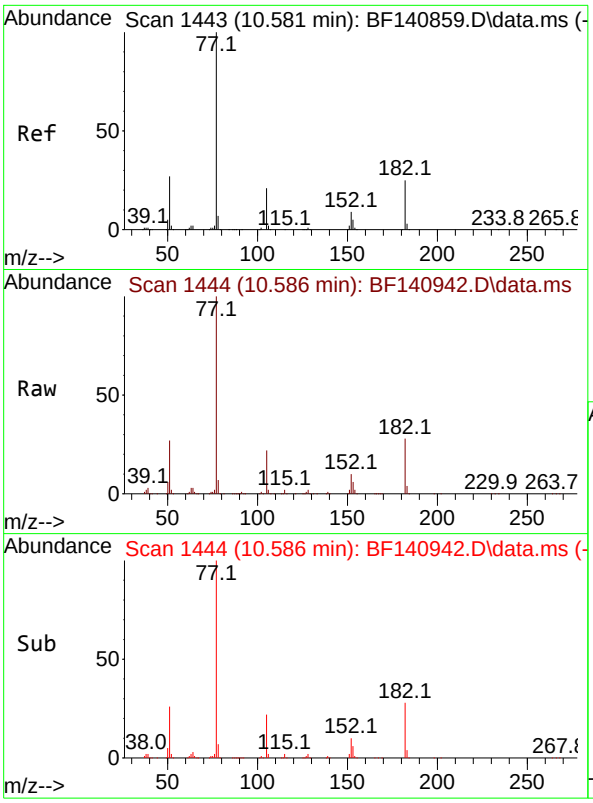




#62
4-Nitroaniline
Concen: 33.834 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:138 Resp: 91794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 32.6 | 72.6 |
| 108 | 75.1 | 64.1 | 104.1 |



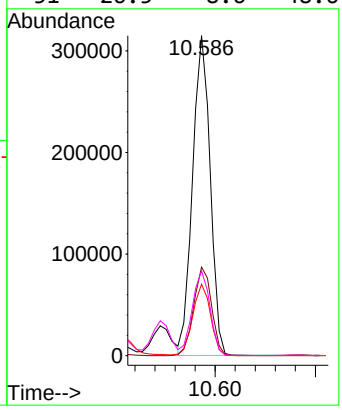


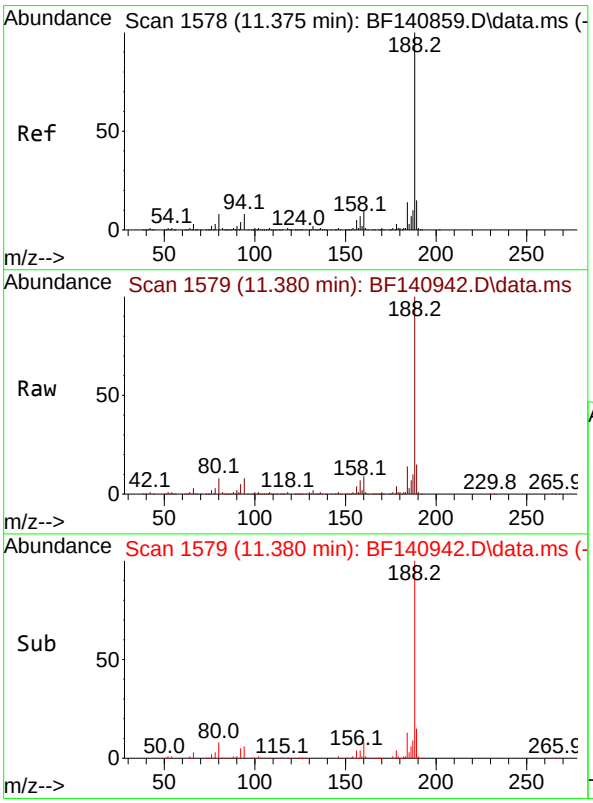

#63
Azobenzene
Concen: 34.454 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 384375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.7 | 4.5 | 44.5 |
| 105 | 22.3 | 0.9 | 40.9 |
| 51 | 26.5 | 8.6 | 48.6 |

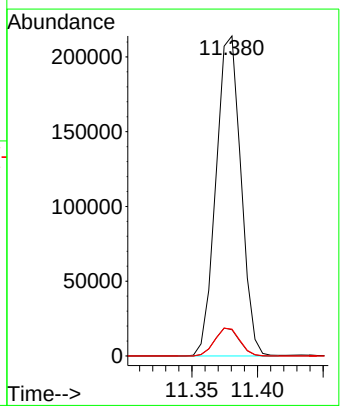


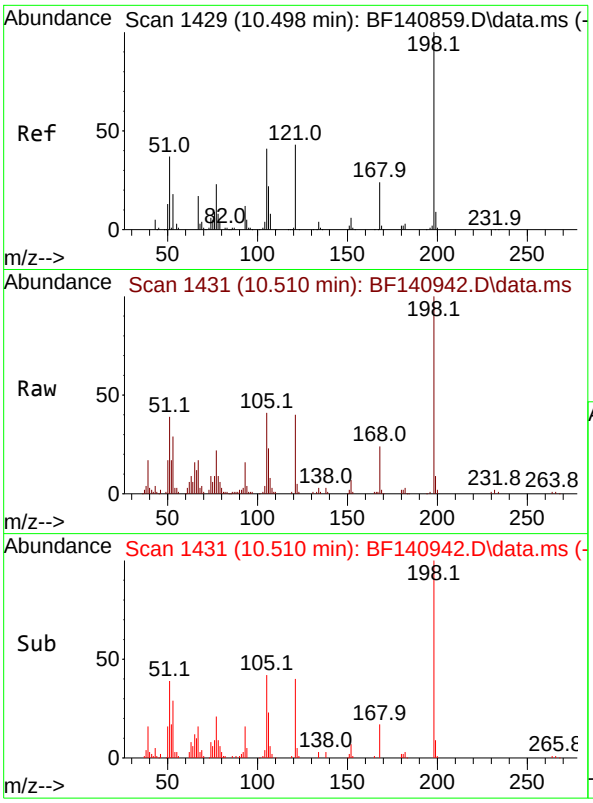




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:188 Resp: 282660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.4 | 9.6 |
| 80 | 8.4 | 6.8 | 10.2 |



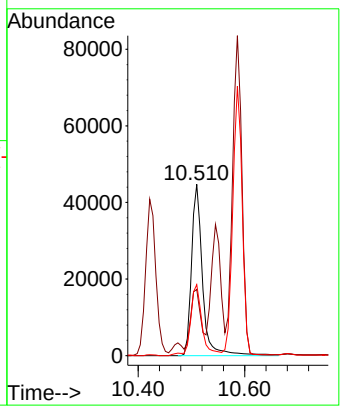


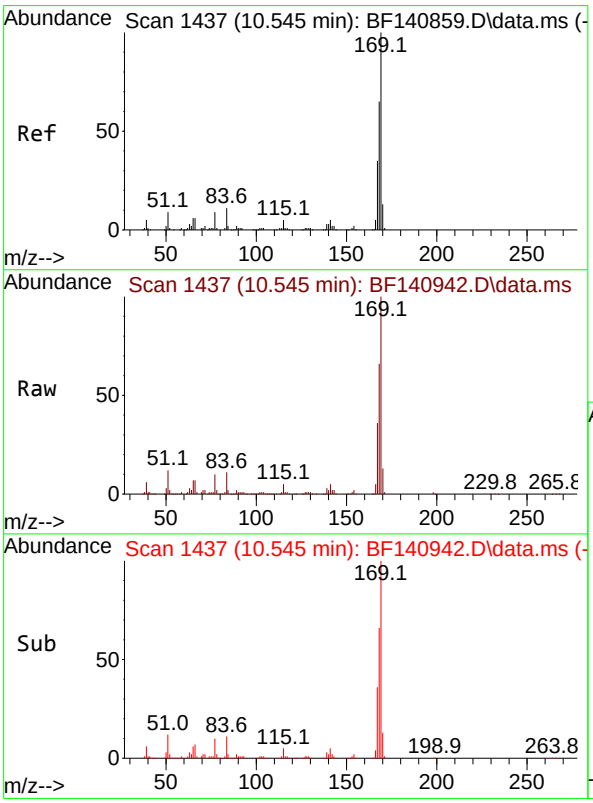

#65
4,6-Dinitro-2-methylphenol
Concen: 40.269 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 64499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 38.7 | 24.4 | 64.4 |
| 105 | 41.5 | 22.1 | 62.1 |

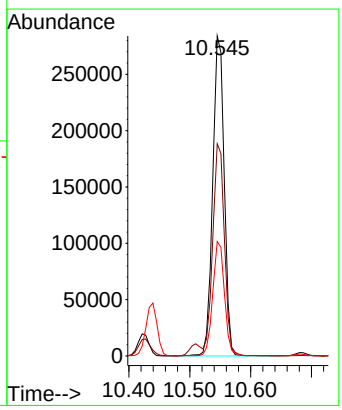


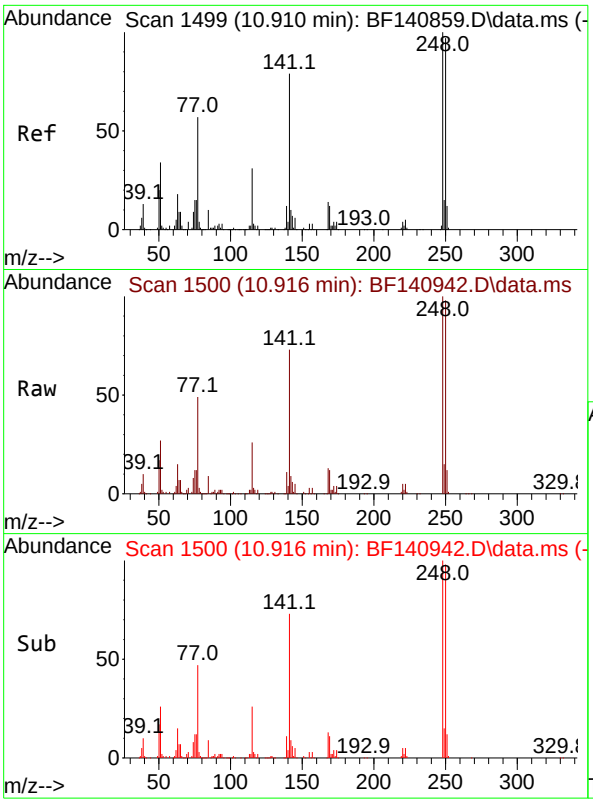




#66
n-Nitrosodiphenylamine
Concen: 42.748 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:169 Resp: 371501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.4 | 80.0 |
| 167 | 35.8 | 28.3 | 42.5 |



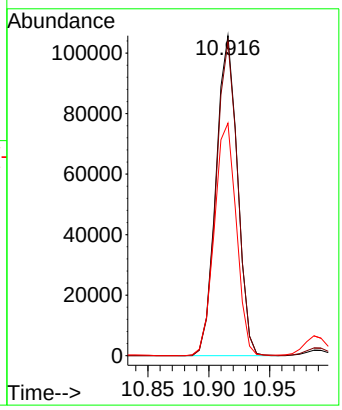


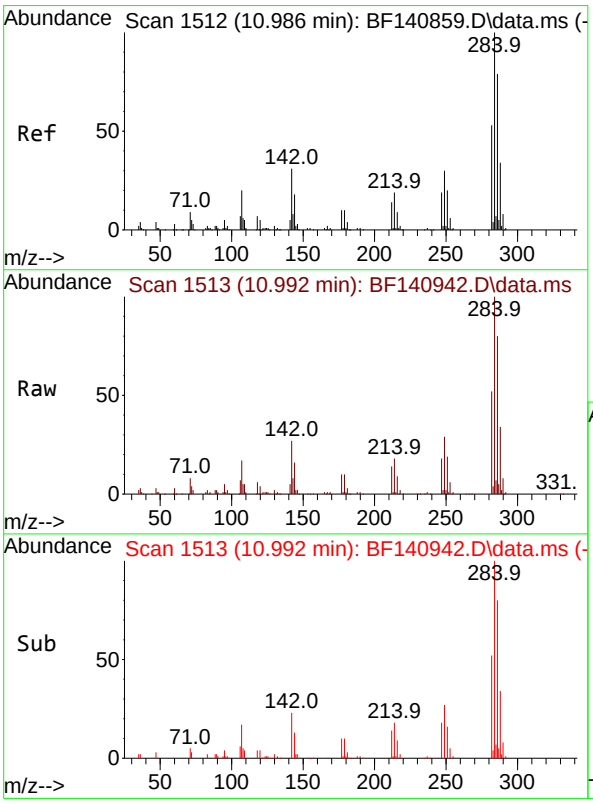

#67
4-Bromophenyl-phenylether
Concen: 41.055 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 129825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 77.4 | 116.2 |
| 141 | 72.6 | 62.9 | 94.3 |

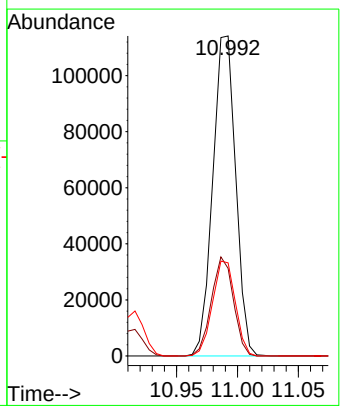


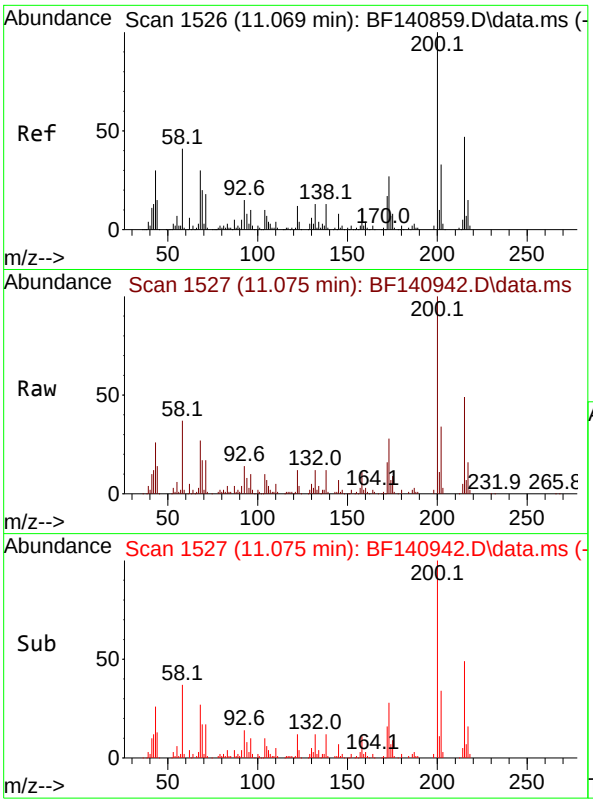




#68
Hexachlorobenzene
Concen: 41.697 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:284 Resp: 149493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 27.4 | 24.6 | 36.8 |
| 249 | 29.1 | 24.3 | 36.5 |



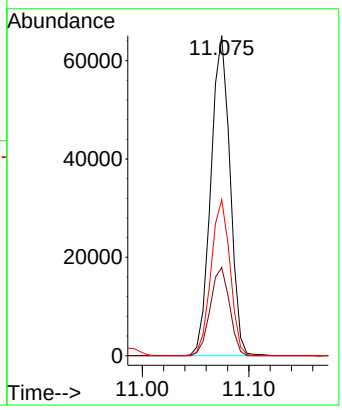


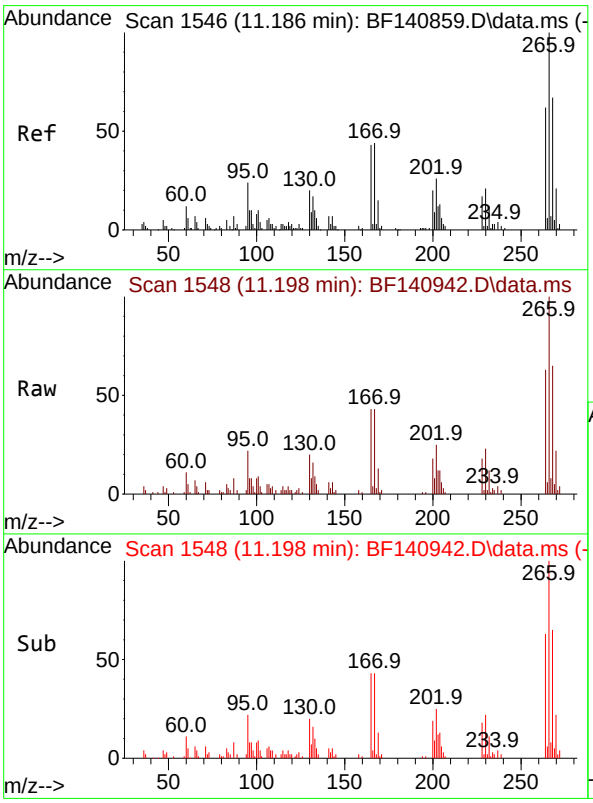

#69
Atrazine
Concen: 33.453 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 81196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 6.6 | 46.6 |
| 215 | 48.8 | 26.7 | 66.7 |

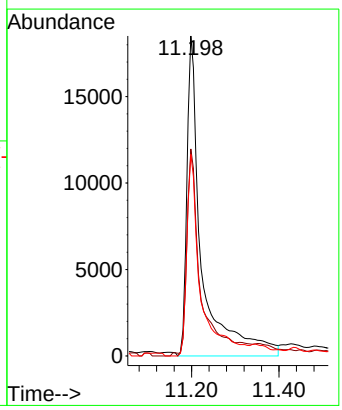


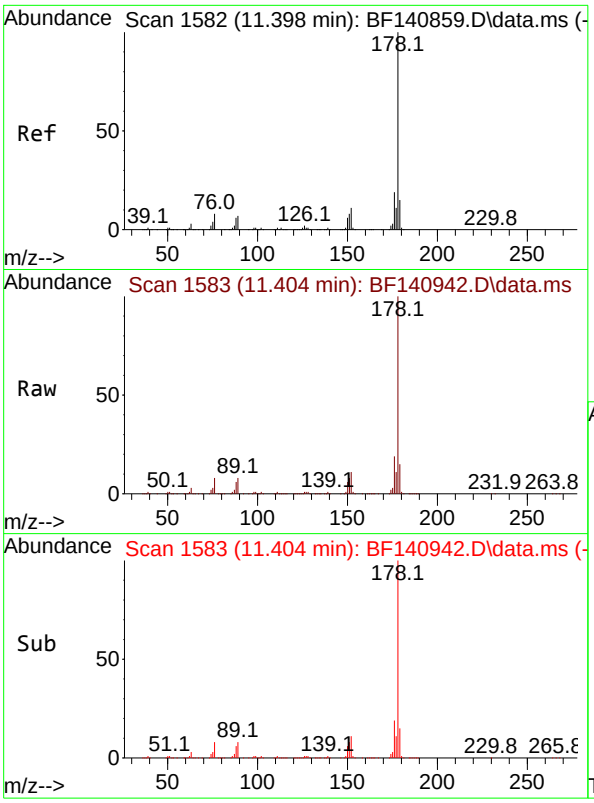




#70
Pentachlorophenol
Concen: 33.287 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:266 Resp: 43633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 54.0 | 81.0 |
| 264 | 63.0 | 49.4 | 74.2 |



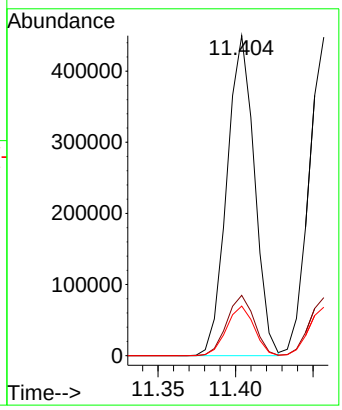


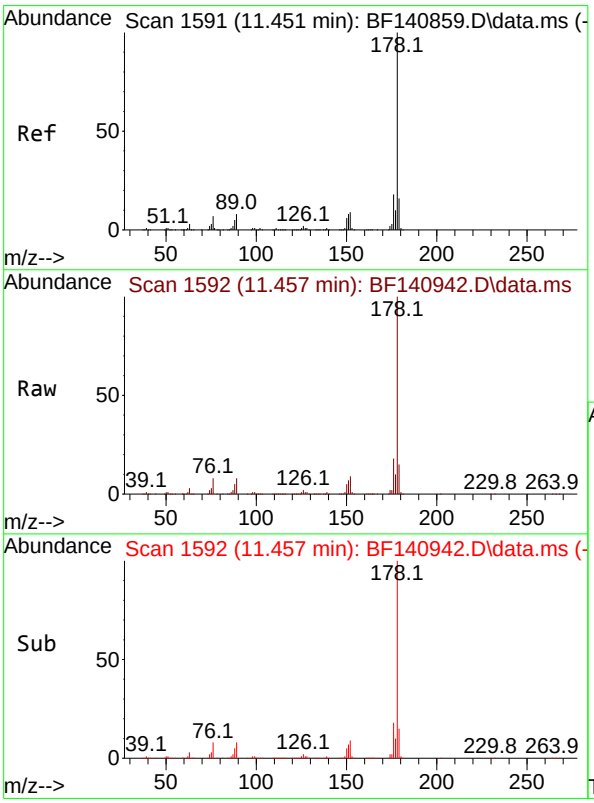

#71
Phenanthrene
Concen: 38.164 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 554743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.5 | 12.1 | 18.1 |

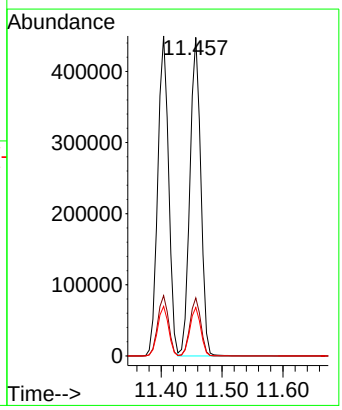


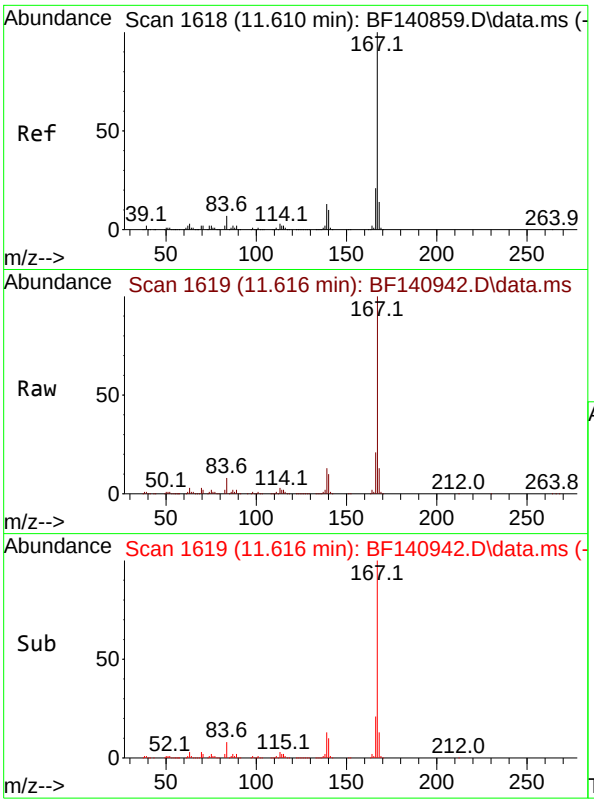




#72
Anthracene
Concen: 38.826 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:178 Resp: 555785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 22.0 |
| 179 | 15.2 | 12.6 | 18.8 |



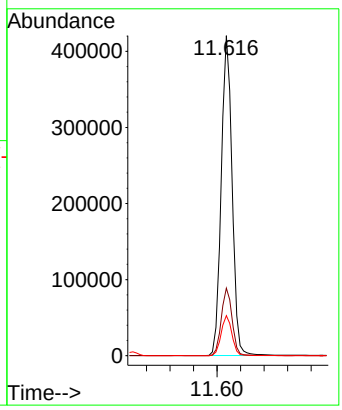


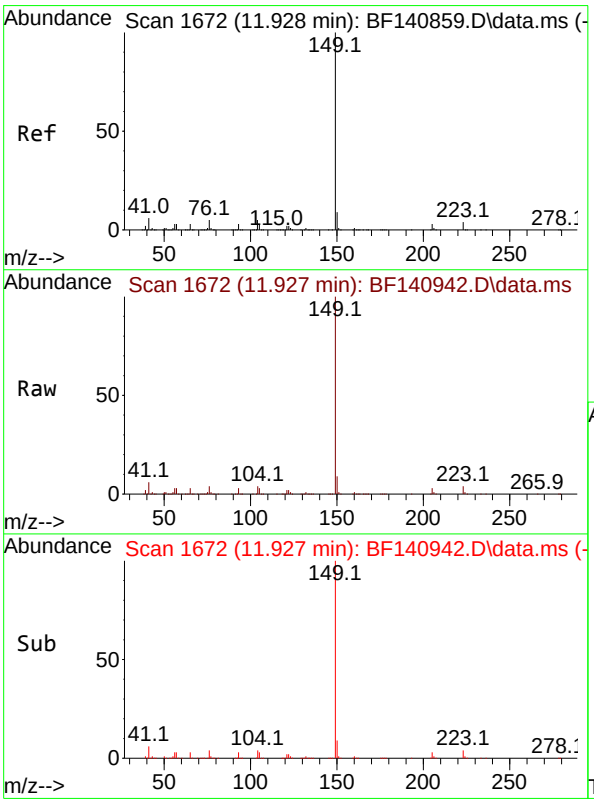

#73
Carbazole
Concen: 38.449 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 539092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 17.0 | 25.6 |
| 139 | 12.5 | 10.2 | 15.2 |

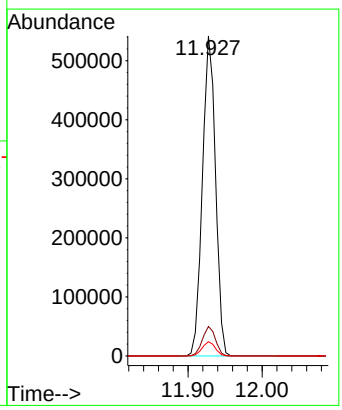


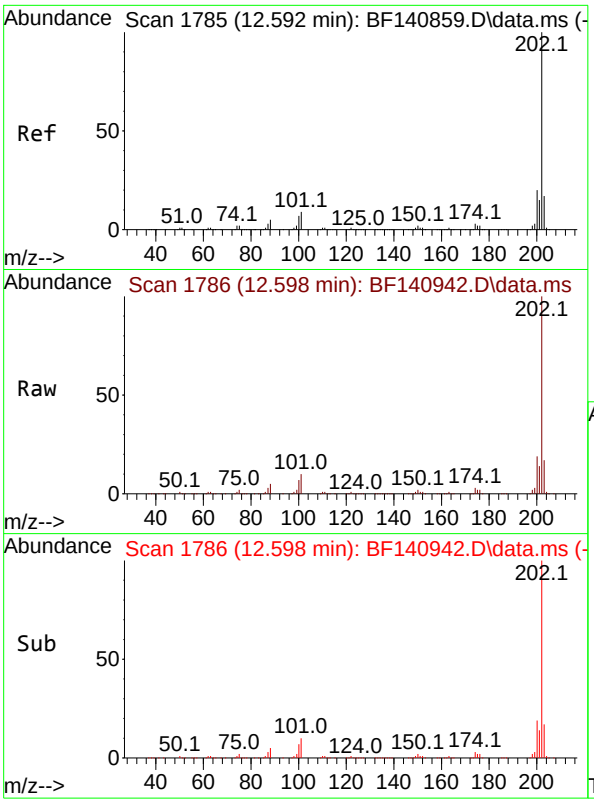




#74
Di-n-butylphthalate
Concen: 40.470 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 665945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.5 | 3.8 | 5.8 |



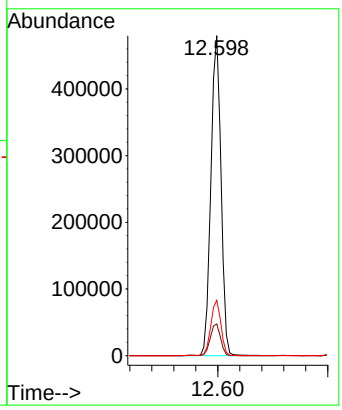


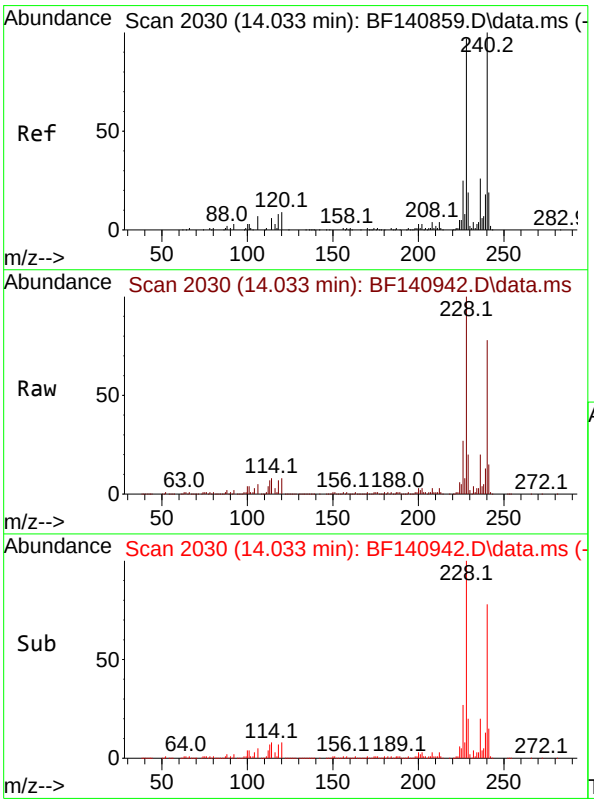

#75
Fluoranthene
Concen: 36.586 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 612458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 29.3 |
| 203 | 17.3 | 0.0 | 37.4 |

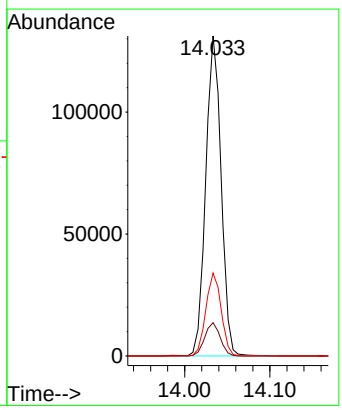


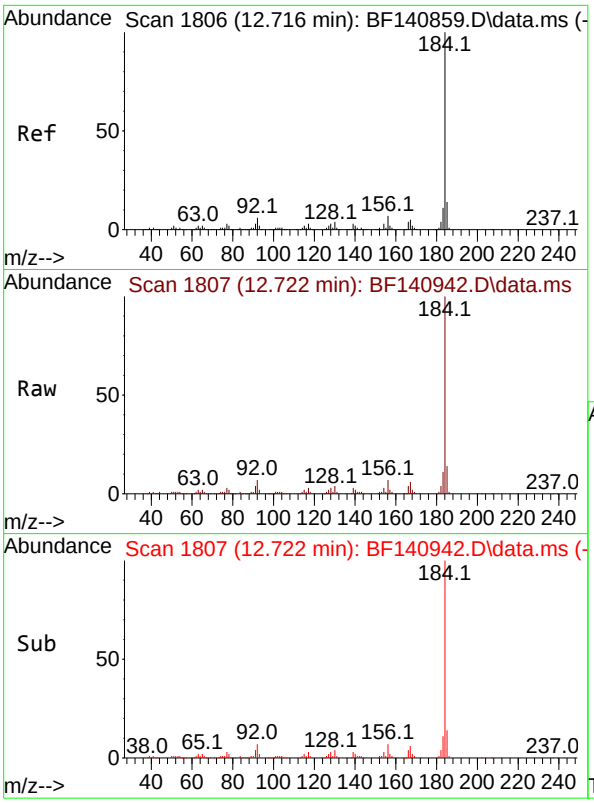




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:240 Resp: 164316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 7.6 | 11.4 |
| 236 | 25.9 | 20.5 | 30.7 |



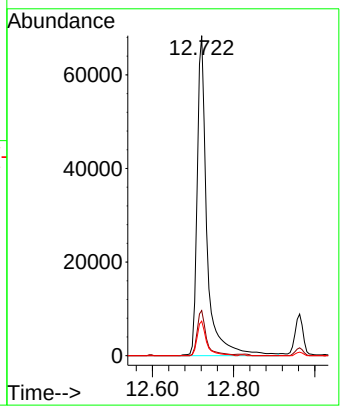


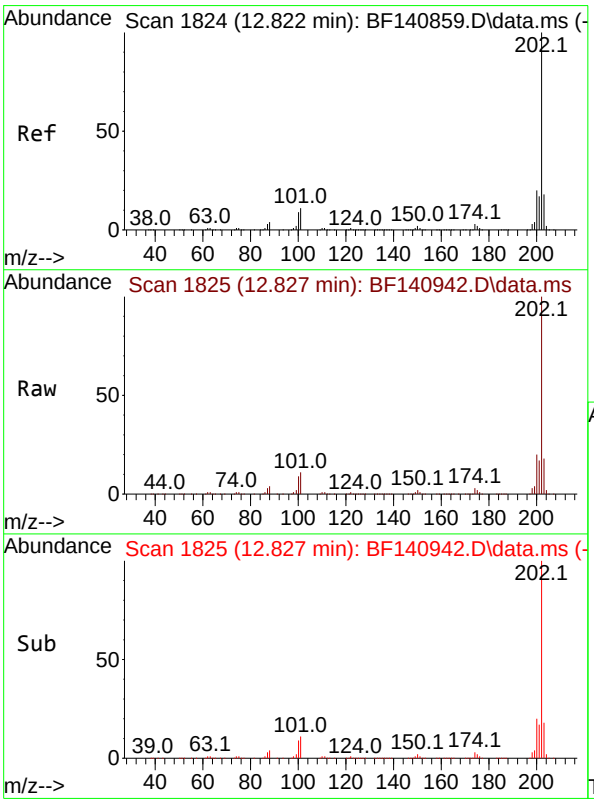

#77
Benzidine
Concen: 34.399 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 115361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 10.8 | 9.0 | 13.4 |

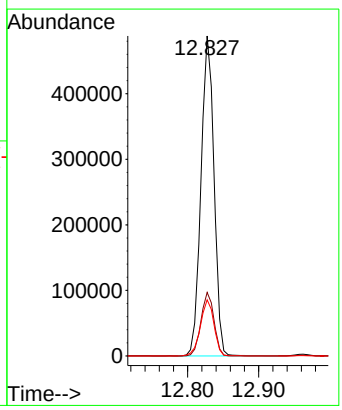


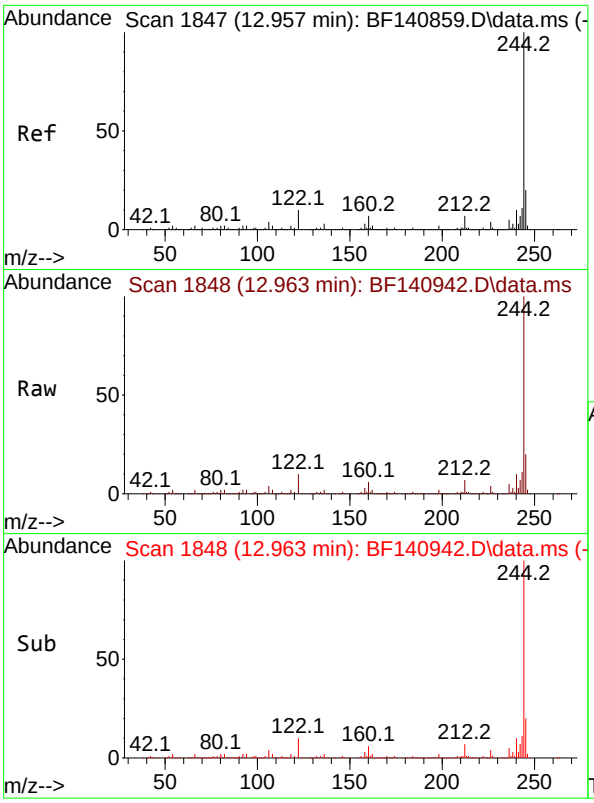




#78
Pyrene
Concen: 42.817 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:202 Resp: 625636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 16.1 | 24.1 |
| 203 | 17.6 | 14.2 | 21.4 |



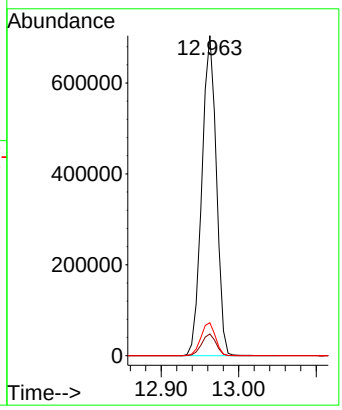


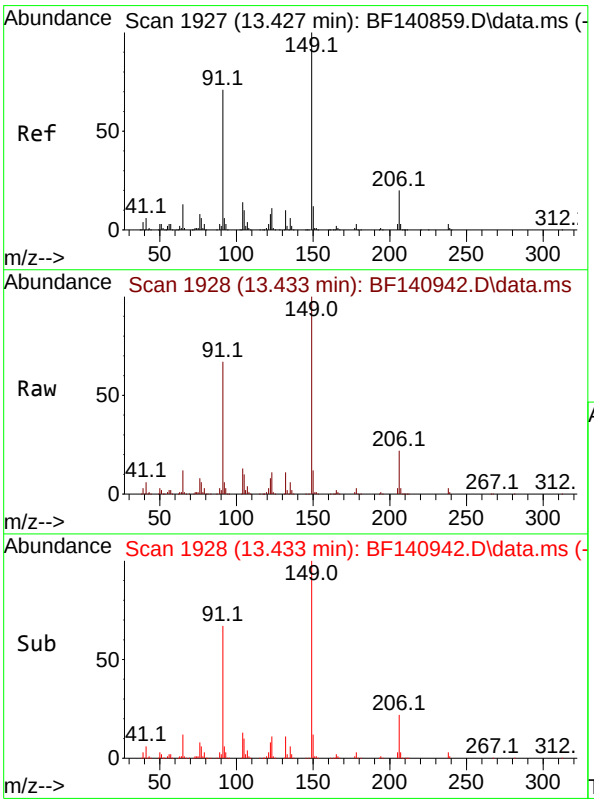

#79
Terphenyl-d14
Concen: 87.865 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 915592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 10.3 | 8.2 | 12.2 |

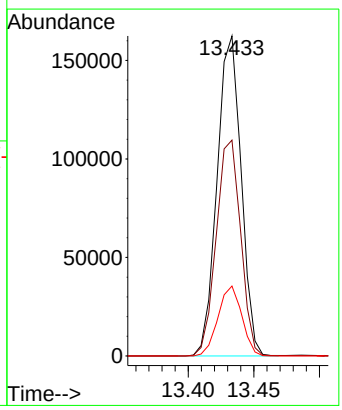


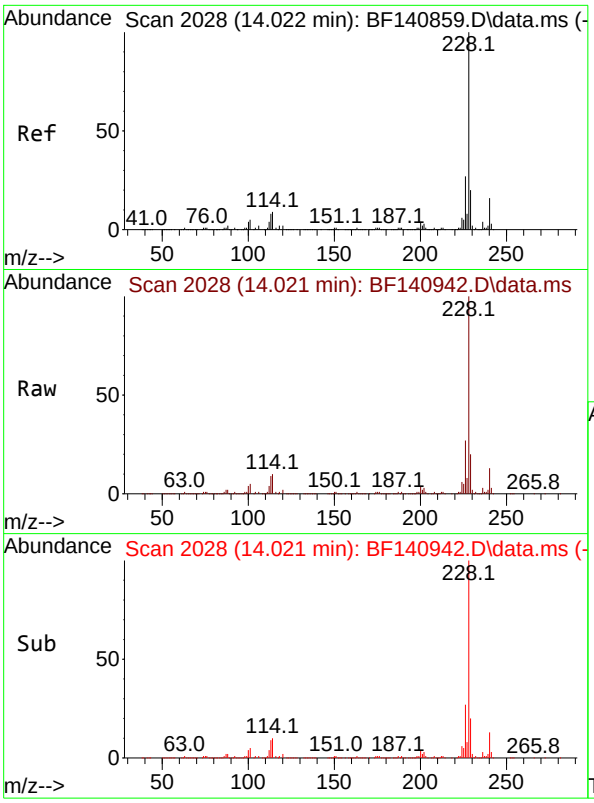




#80
Butylbenzylphthalate
Concen: 38.545 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 207238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.4 | 56.7 | 85.1 |
| 206 | 21.8 | 16.4 | 24.6 |



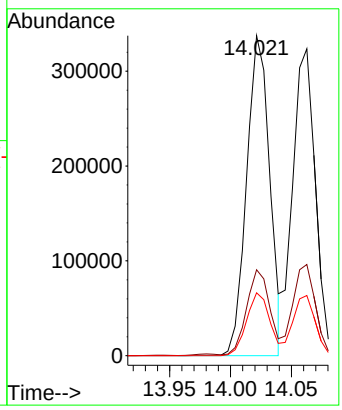


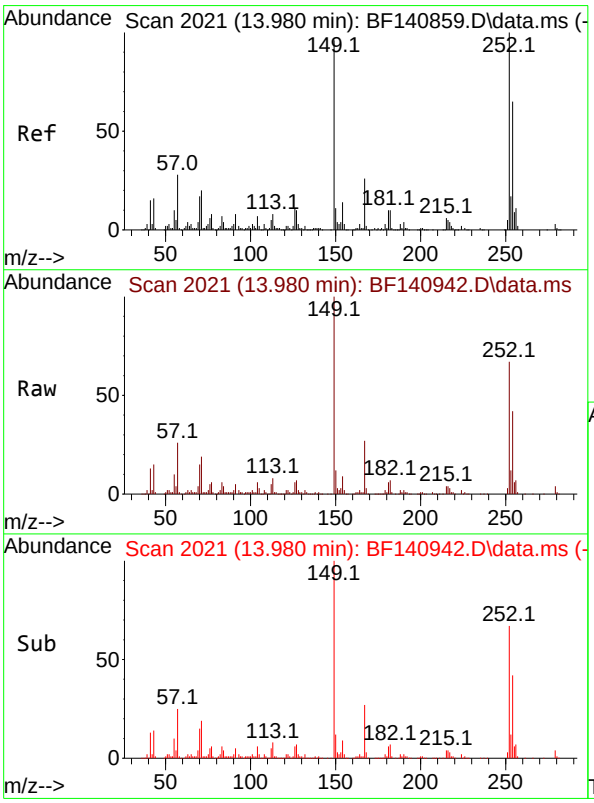

#81
Benzo(a)anthracene
Concen: 38.254 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 445495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.7 | 15.8 | 23.8 |

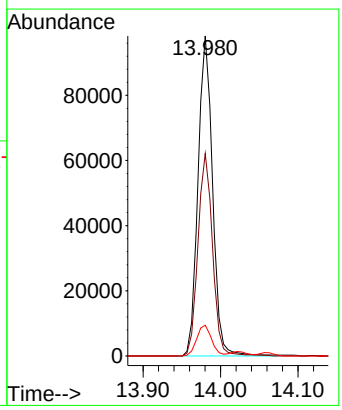


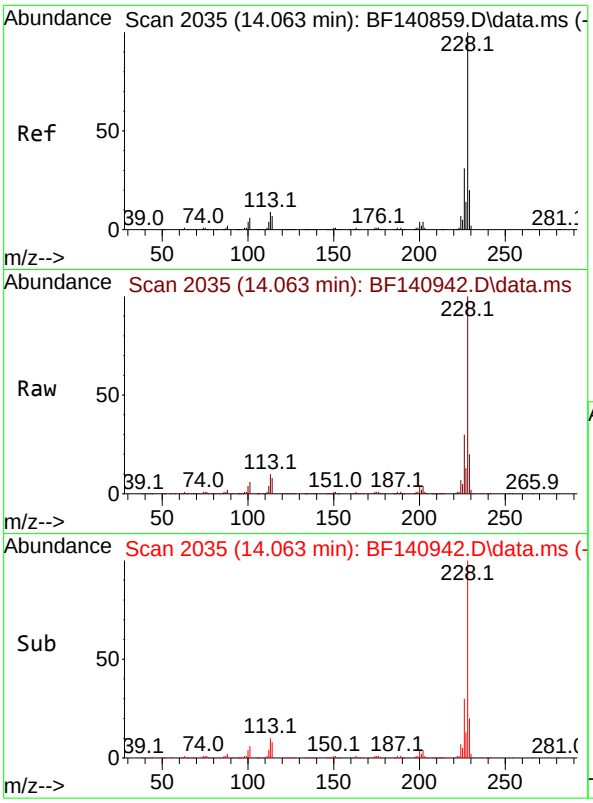




#82
3,3'-Dichlorobenzidine
Concen: 36.483 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 128185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.3 | 52.3 | 78.5 |
| 126 | 9.6 | 8.4 | 12.6 |



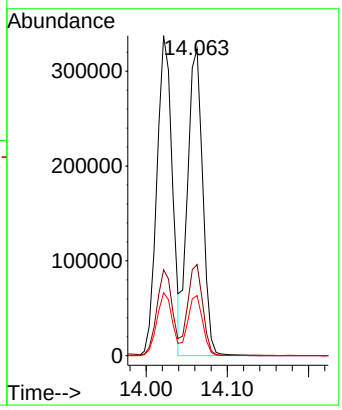


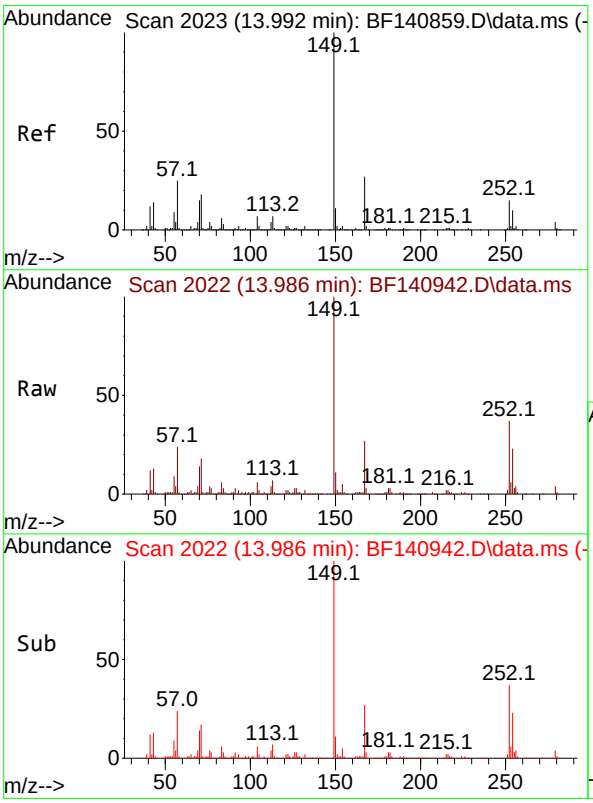

#83
Chrysene
Concen: 39.695 ng
RT: 14.063 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 420365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |

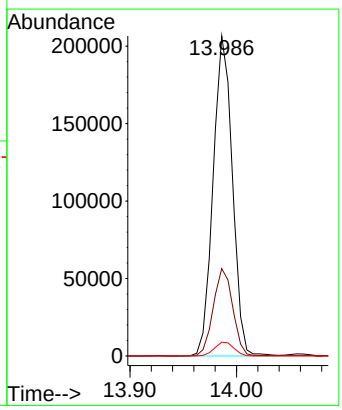


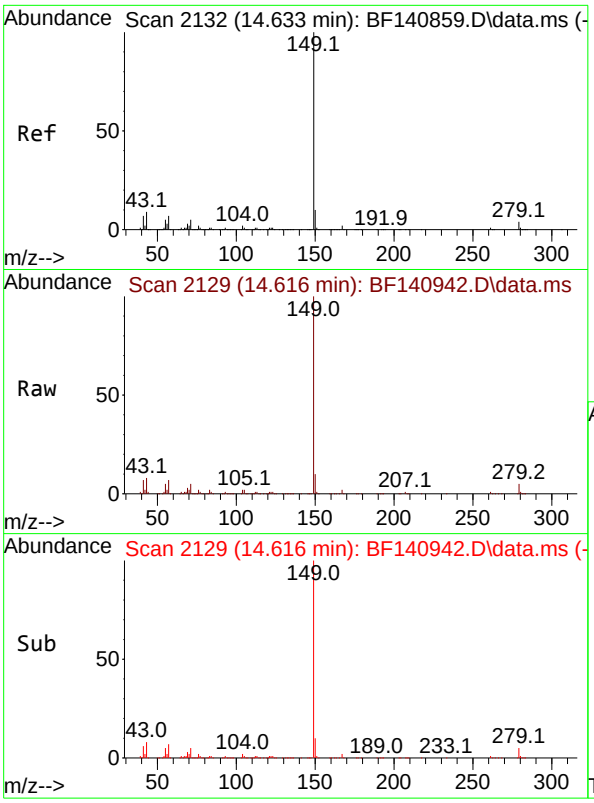




#84
Bis(2-ethylhexyl)phthalate
Concen: 37.409 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:149 Resp: 259339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 21.8 | 32.8 |
| 279 | 4.3 | 3.5 | 5.3 |



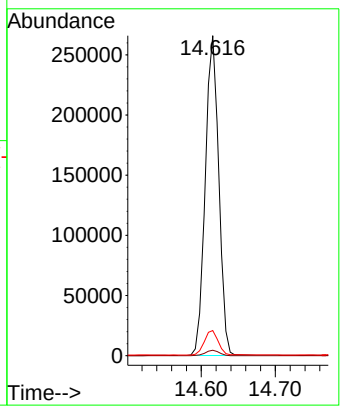


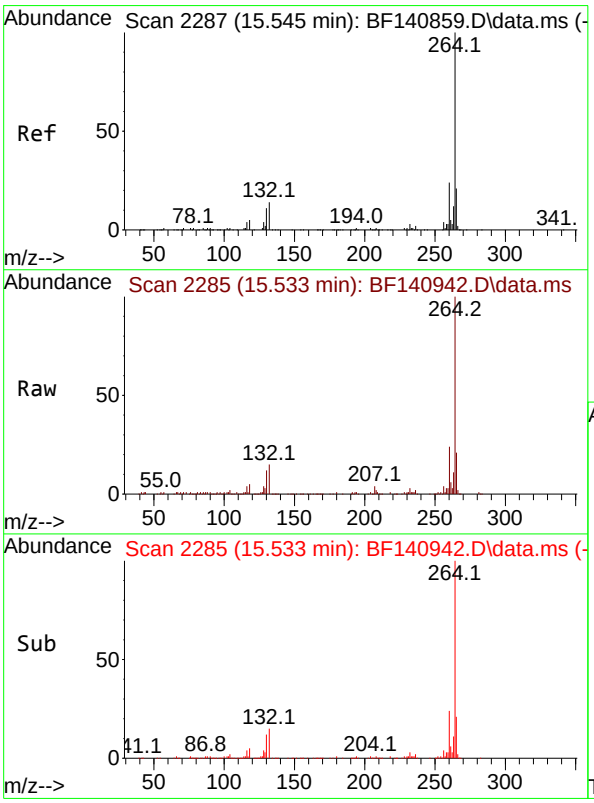

#85
Di-n-octyl phthalate
Concen: 32.062 ng
RT: 14.616 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 336272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.3 | 1.9 |
| 43 | 8.1 | 7.0 | 10.6 |

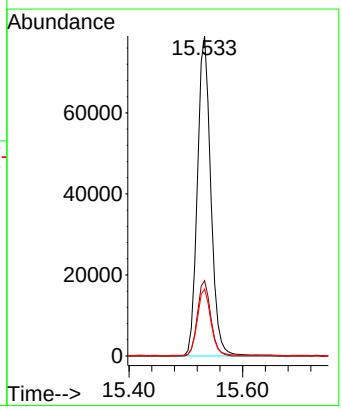


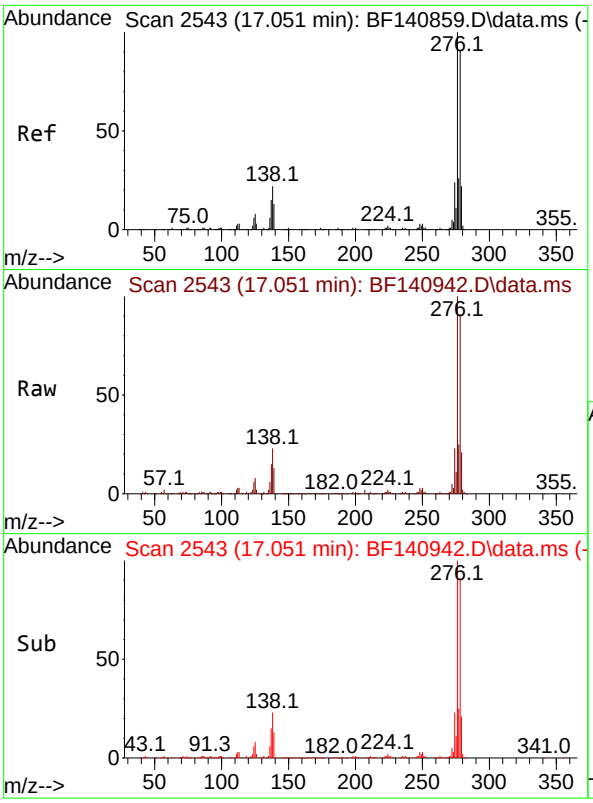




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:264 Resp: 129329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.1 | 28.7 |
| 265 | 20.9 | 17.0 | 25.4 |



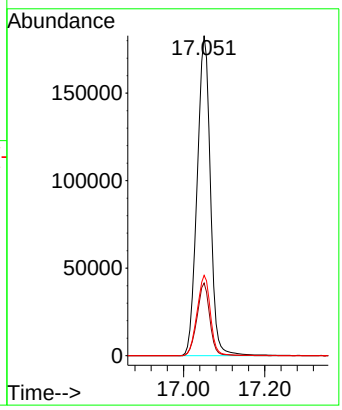


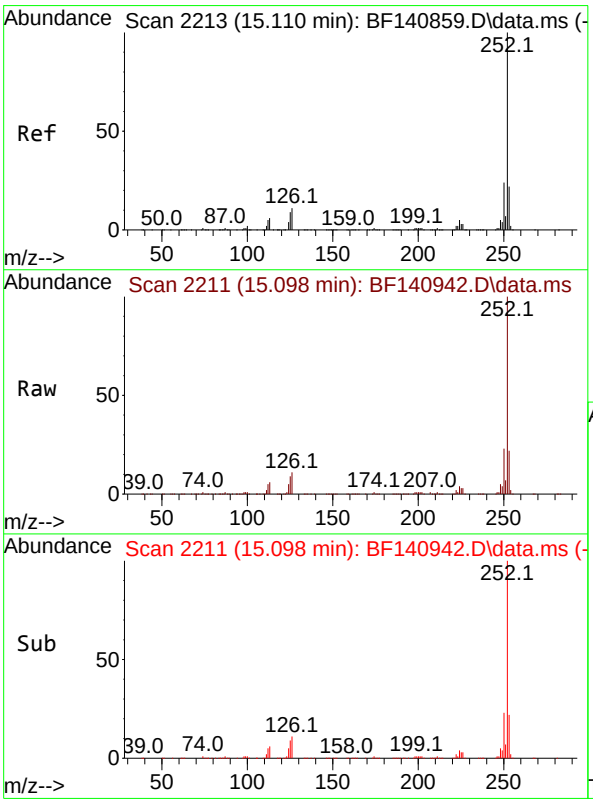

#87
Indeno(1,2,3-cd)pyrene
Concen: 51.437 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 415125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 16.9 | 25.3 |
| 277 | 25.2 | 20.2 | 30.4 |

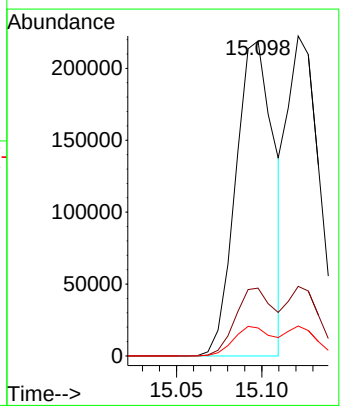


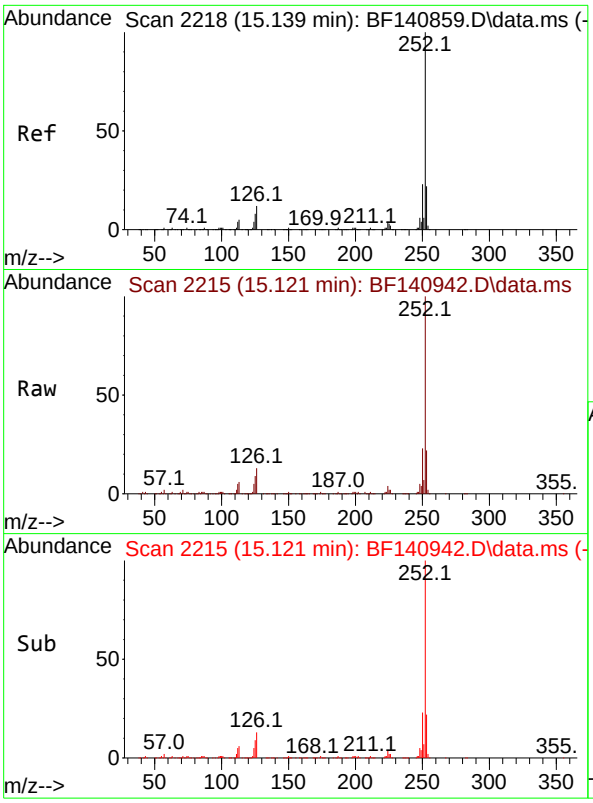




#88
Benzo(b)fluoranthene
Concen: 38.004 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 341178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |



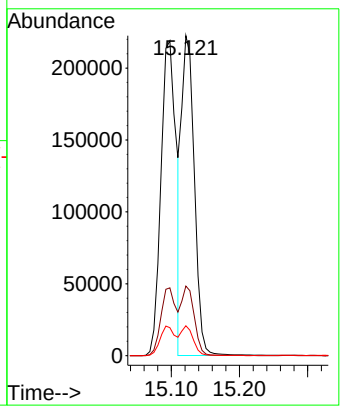


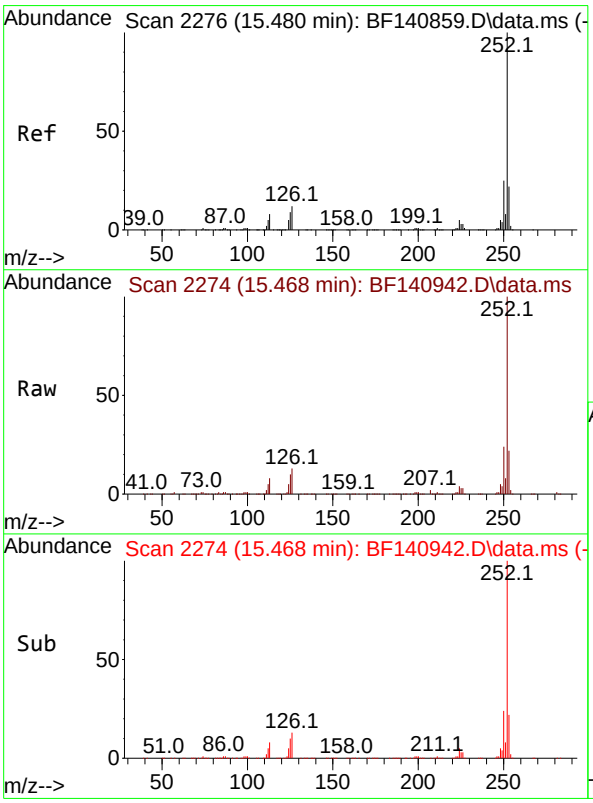

#89
Benzo(k)fluoranthene
Concen: 37.736 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 290595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.3 | 6.8 | 10.2 |

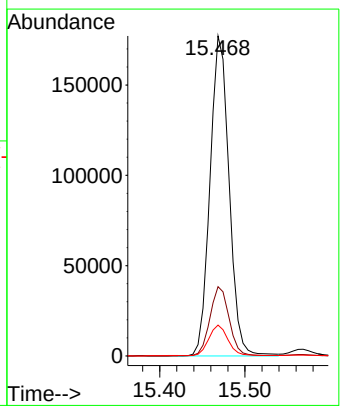


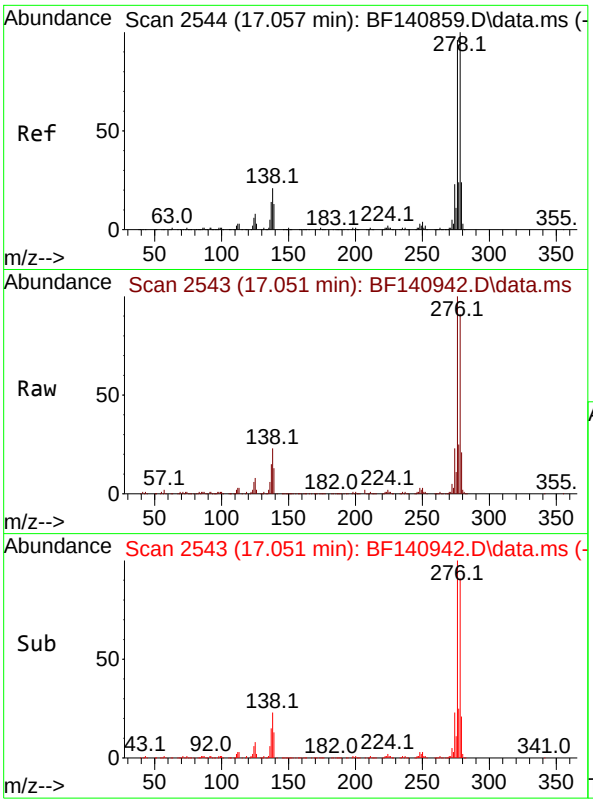




#90
Benzo(a)pyrene
Concen: 39.241 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:252 Resp: 275845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.6 | 7.5 | 11.3 |



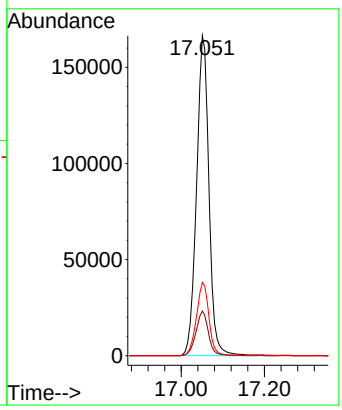


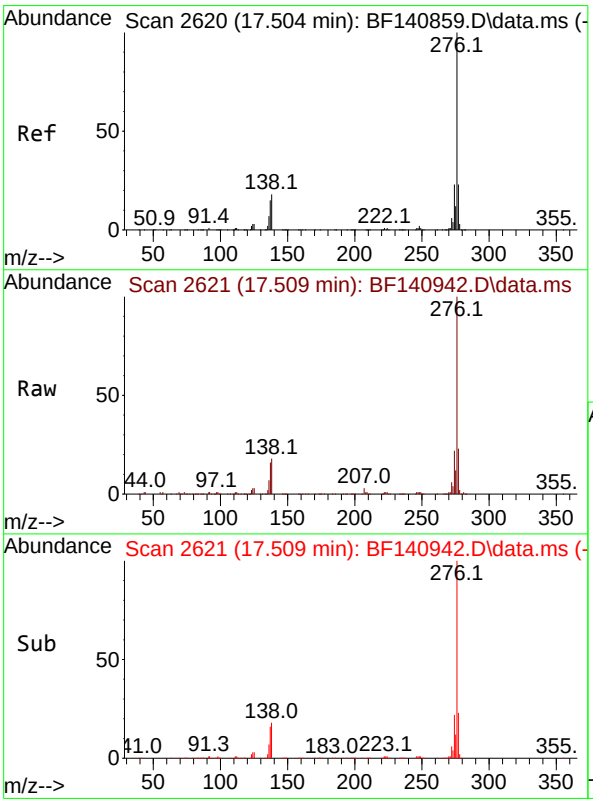

#91
Dibenzo(a,h)anthracene
Concen: 51.627 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 345181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.9 | 10.6 | 16.0 |
| 279 | 22.9 | 19.2 | 28.8 |

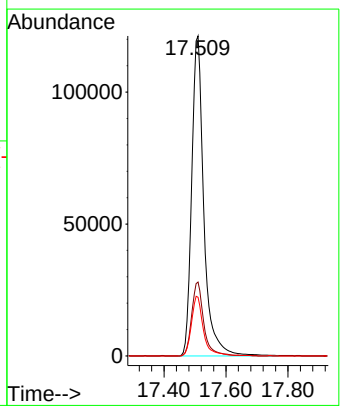



#92
Benzo(g,h,i)perylene
Concen: 48.503 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:276 Resp: 330062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.7 | 28.1 |
| 138 | 18.4 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 71247 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 255665 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 141292 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 237962 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 149220 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 113763 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 620574 | 143.386 | ng | | 0.02 |
| 7) Phenol-d6 | 6.510 | 99 | 780279 | 136.115 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 468127 | 91.608 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 225262 | 134.800 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1081886 | 105.274 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 1140526 | 120.524 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 61392 | 32.932 | ng | | 99 |
| 3) Pyridine | 3.522 | 79 | 164168 | 38.026 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 85503 | 39.286 | ng | # | 93 |
| 6) Aniline | 6.522 | 93 | 200558 | 40.919 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.645 | 128 | 251463 | 53.280 | ng | | 98 |
| 9) Benzaldehyde | 6.410 | 77 | 51666 | 16.266 | ng | | 98 |
| 10) Phenol | 6.522 | 94 | 290791 | 48.944 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.586 | 93 | 227090 | 51.253 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 267093 | 49.664 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 268358 | 49.158 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 244910 | 47.549 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 202352 | 49.369 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 244867 | 46.913 | ng | | 94 |
| 17) 2-Methylphenol | 7.122 | 107 | 180851 | 47.995 | ng | | 99 |
| 18) Hexachloroethane | 7.351 | 117 | 87121 | 42.869 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 172630 | 50.203 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 254983 | 51.031 | ng | # | 84 |
| 22) Acetophenone | 7.263 | 105 | 347847 | 54.389 | ng | | 94 |
| 24) Nitrobenzene | 7.439 | 77 | 235580 | 45.000 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 424100 | 49.531 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 128251 | 53.191 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 176373 | 62.636 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 265660 | 49.677 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 207115 | 53.277 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 218640 | 49.061 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 685399 | 48.804 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 85175 | 31.894 | ng | | 95 |
| 33) 4-Chloroaniline | 8.210 | 127 | 161324 | 34.586 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 140865 | 46.981 | ng | | 100 |
| 35) Caprolactam | 8.592 | 113 | 40022 | 34.581 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 201762 | 46.112 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 464695 | 50.021 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 438727 | 47.751 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 234321 | 53.956 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 96370 | 68.569 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 133695 | 50.276 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

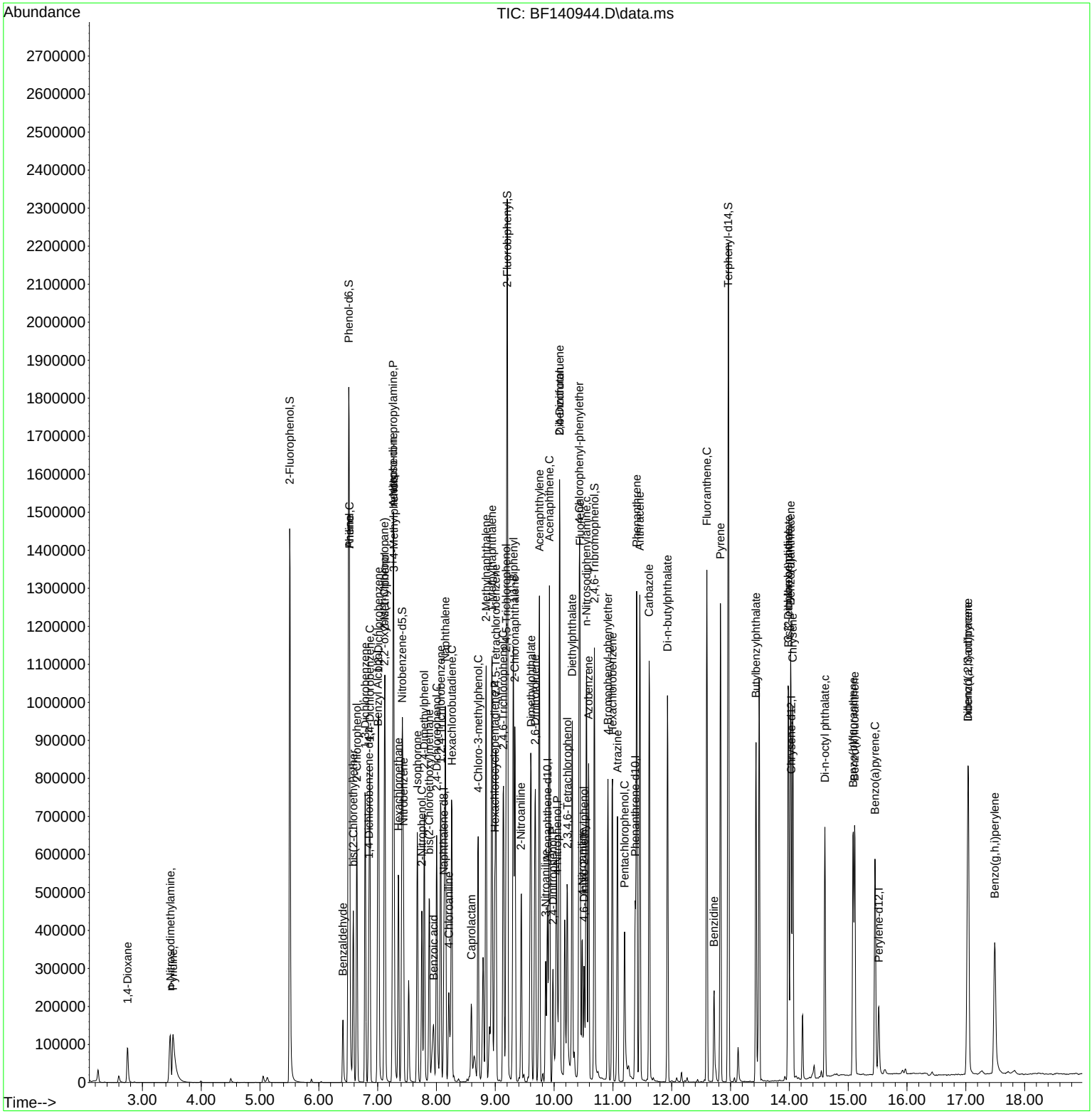
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 143227 | 49.003 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 552413 | 49.168 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 417659 | 48.592 | ng | 100 |
| 48) 2-Nitroaniline | 9.439 | 65 | 121577 | 46.835 | ng | 93 |
| 49) Acenaphthylene | 9.751 | 152 | 681698 | 53.969 | ng | 99 |
| 50) Dimethylphthalate | 9.610 | 163 | 496054 | 49.797 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 108898 | 47.820 | ng | 97 |
| 52) Acenaphthene | 9.922 | 154 | 430468 | 53.351 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 77254 | 34.184 | ng | 95 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 81264 | 73.697 | ng | 90 |
| 55) Dibenzofuran | 10.092 | 168 | 623949 | 49.905 | ng | 99 |
| 56) 4-Nitrophenol | 10.051 | 139 | 87740 | 72.611 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 144968 | 48.383 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 477180 | 46.262 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232 | 127554 | 53.557 | ng | 95 |
| 60) Diethylphthalate | 10.310 | 149 | 534197 | 51.715 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.427 | 204 | 243755 | 47.046 | ng | 95 |
| 62) 4-Nitroaniline | 10.480 | 138 | 93240 | 39.481 | ng | 93 |
| 63) Azobenzene | 10.586 | 77 | 431430 | 44.427 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 66725 | 49.484 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 414949 | 56.716 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 146442 | 55.009 | ng | 97 |
| 68) Hexachlorobenzene | 10.992 | 284 | 165233 | 54.744 | ng | 98 |
| 69) Atrazine | 11.080 | 200 | 134695 | 65.919 | ng | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 94695 | 85.812 | ng | 99 |
| 71) Phenanthrene | 11.404 | 178 | 701422 | 57.320 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 725617 | 60.212 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 673948 | 57.096 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 763567 | 55.119 | ng | 100 |
| 75) Fluoranthene | 12.598 | 202 | 786570 | 55.813 | ng | 99 |
| 77) Benzidine | 12.721 | 184 | 155983 | 51.217 | ng | 100 |
| 78) Pyrene | 12.827 | 202 | 758712 | 57.177 | ng | 100 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 297455 | 60.922 | ng | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 557901 | 52.753 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 102996 | 32.279 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 508492 | 52.875 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 339592 | 53.941 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 455909 | 47.866 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.039 | 276 | 463336 | 65.266 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 417172 | 52.828 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.109 | 252 | 360481 | 53.216 | ng | 99 |
| 90) Benzo(a)pyrene | 15.456 | 252 | 359761 | 58.181 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 377716 | 64.223 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 379421 | 63.386 | ng | 98 |

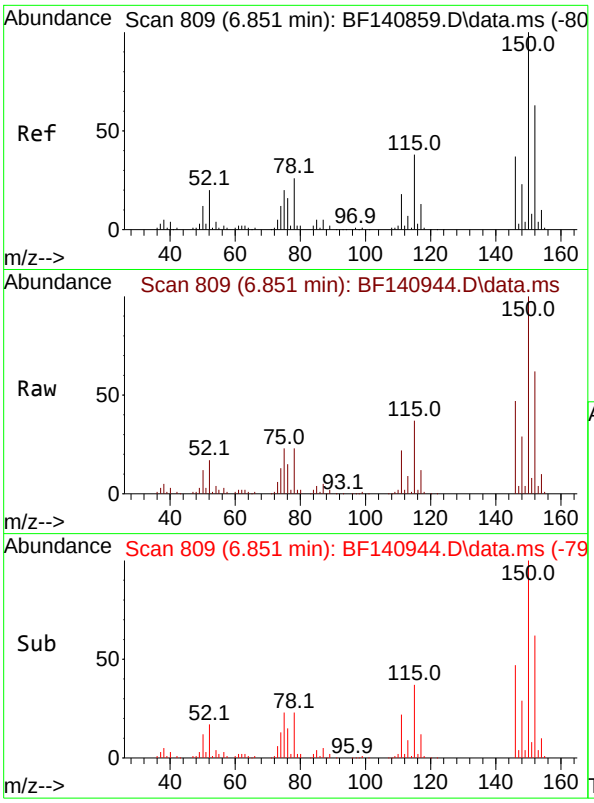
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



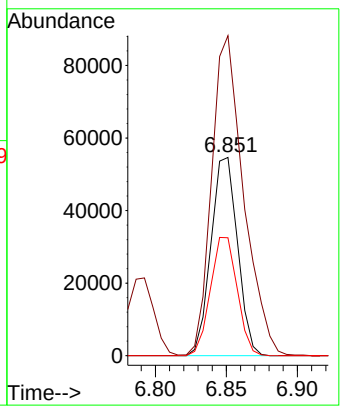


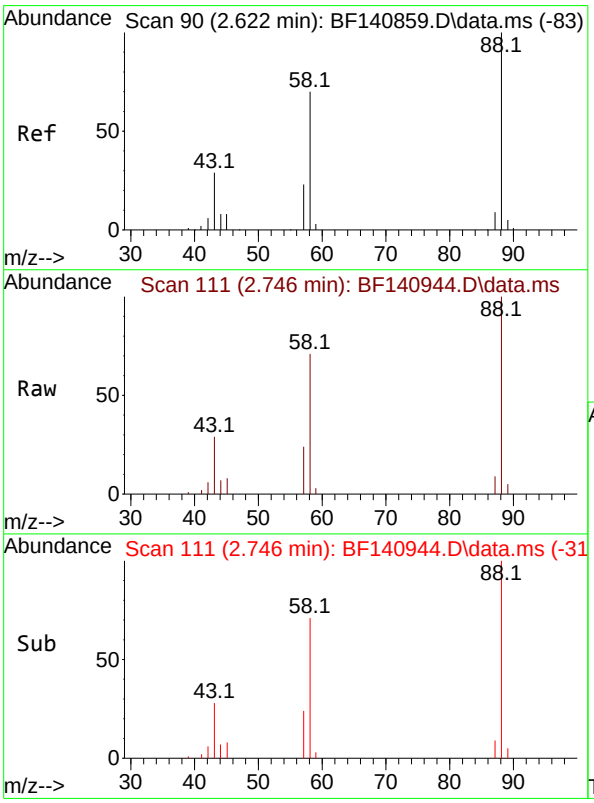

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:152 Resp: 71247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.4 | 127.9 | 191.9 |
| 115 | 59.5 | 48.0 | 72.0 |

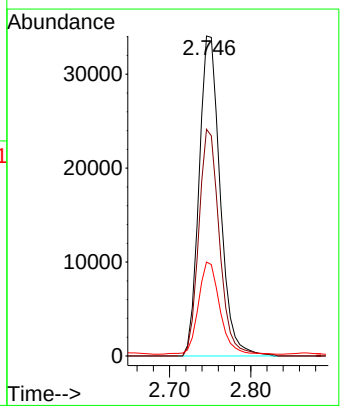


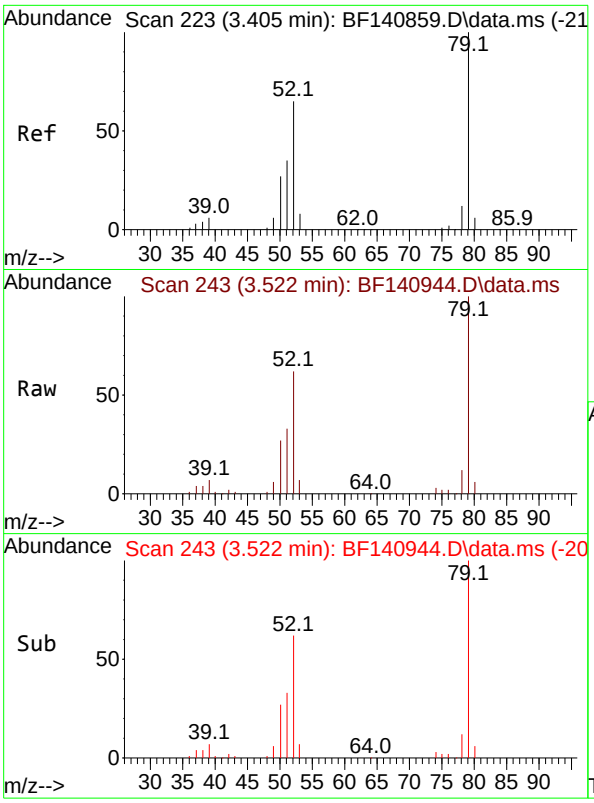




#2
1,4-Dioxane
Concen: 32.932 ng
RT: 2.746 min Scan# 111
Delta R.T. 0.123 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 88 Resp: 61392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.7 | 55.8 | 83.8 |
| 43 | 30.8 | 22.7 | 34.1 |



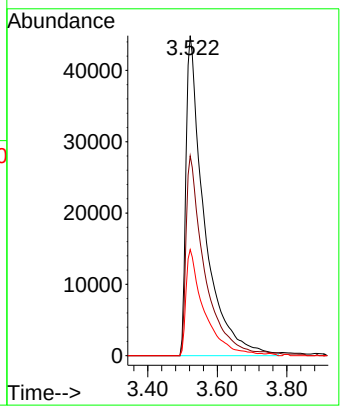


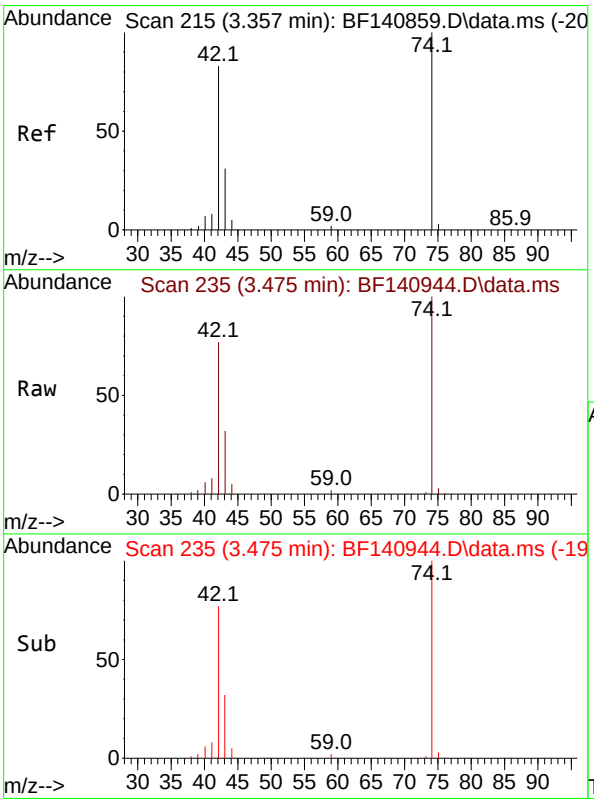

#3
Pyridine
Concen: 38.026 ng
RT: 3.522 min Scan# 24
Delta R.T. 0.117 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 79 Resp: 164168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.4 | 51.7 | 77.5 |
| 51 | 33.1 | 28.2 | 42.4 |

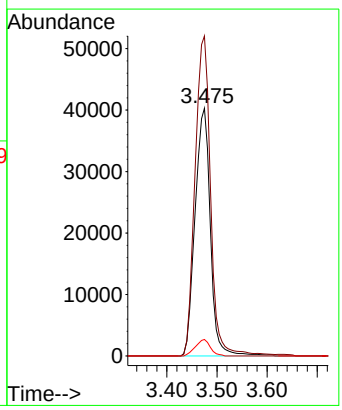


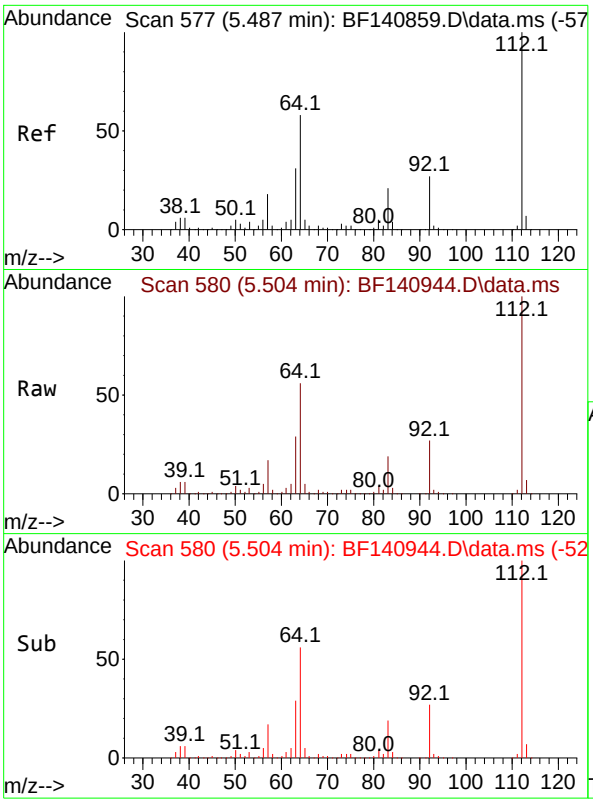




#4
n-Nitrosodimethylamine
Concen: 39.286 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.117 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 42 Resp: 85503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.2 | 96.9 | 145.3 |
| 44 | 6.7 | 4.4 | 6.6# |



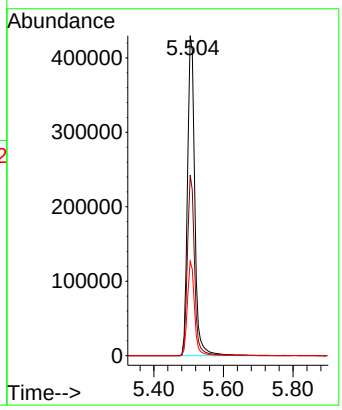


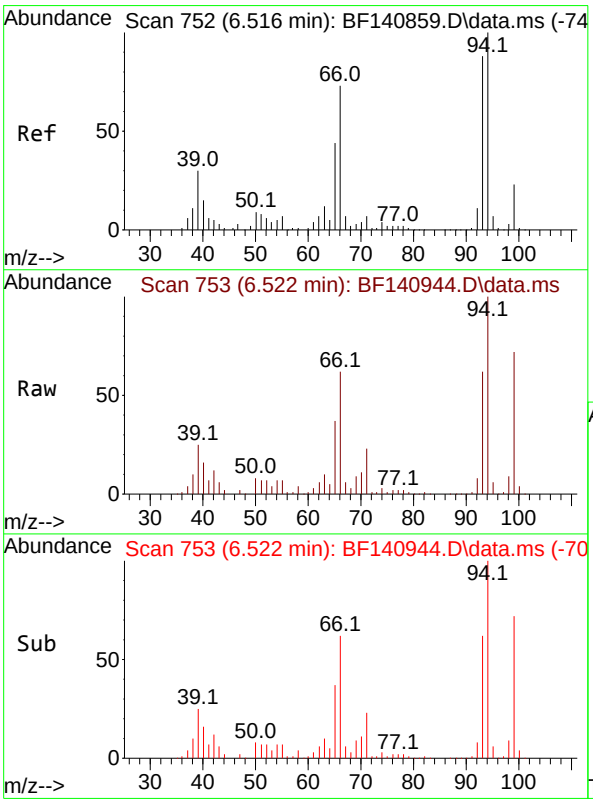

#5
2-Fluorophenol
Concen: 143.386 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:112 Resp: 620574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.5 | 46.1 | 69.1 |
| 63 | 29.5 | 24.9 | 37.3 |

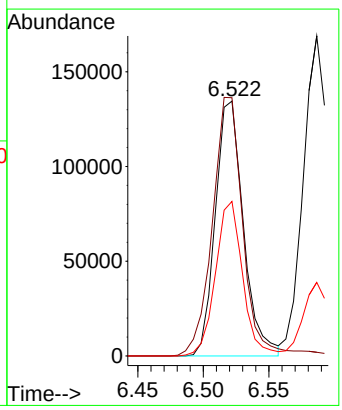


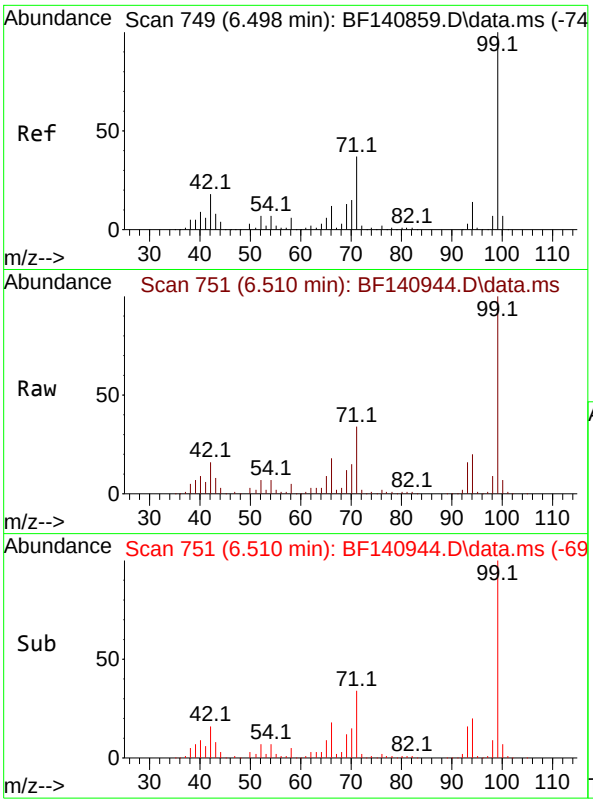




#6
Aniline
Concen: 40.919 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 93 Resp: 200558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 101.3 | 67.0 | 100.4# |
| 65 | 60.6 | 40.4 | 60.6# |



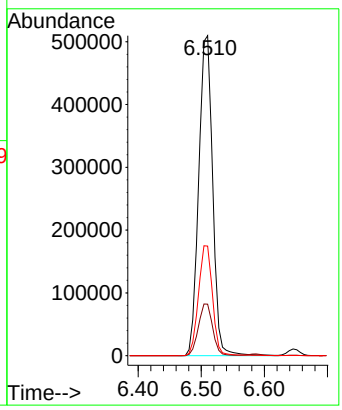


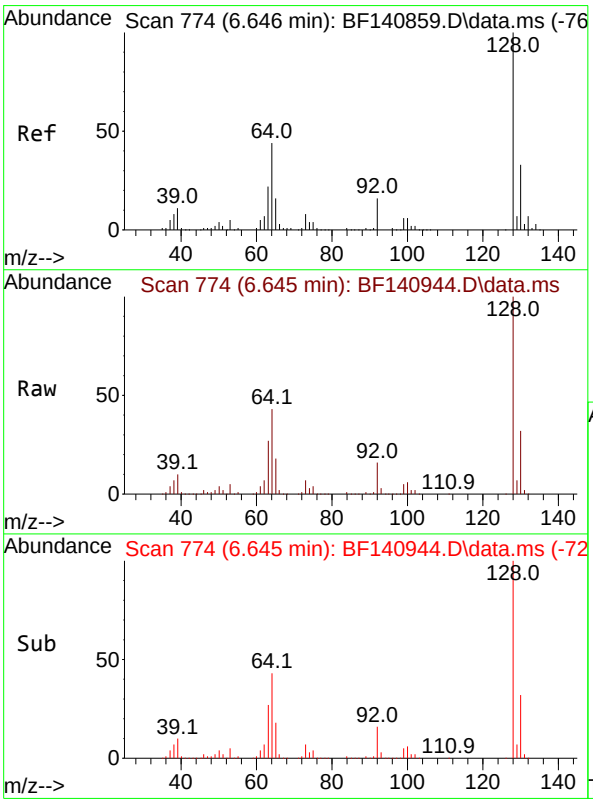

#7
Phenol-d6
Concen: 136.115 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 99 Resp: 780279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.3 | 21.5 |
| 71 | 34.3 | 29.9 | 44.9 |

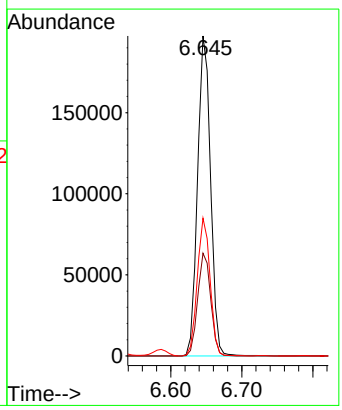


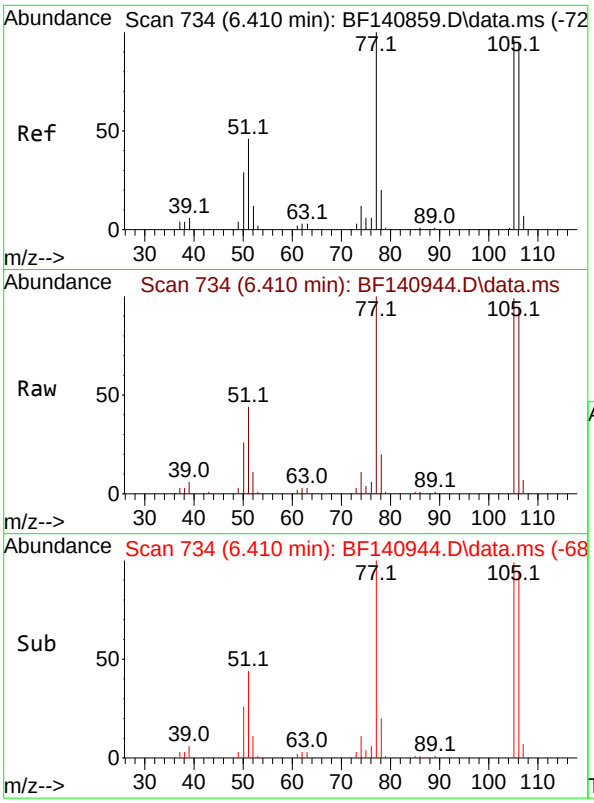




#8
2-Chlorophenol
Concen: 53.280 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:128 Resp: 251463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.9 | 52.9 |
| 64 | 43.0 | 24.3 | 64.3 |



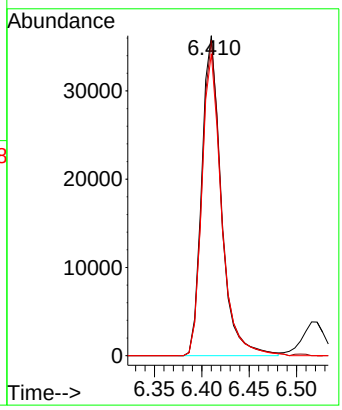


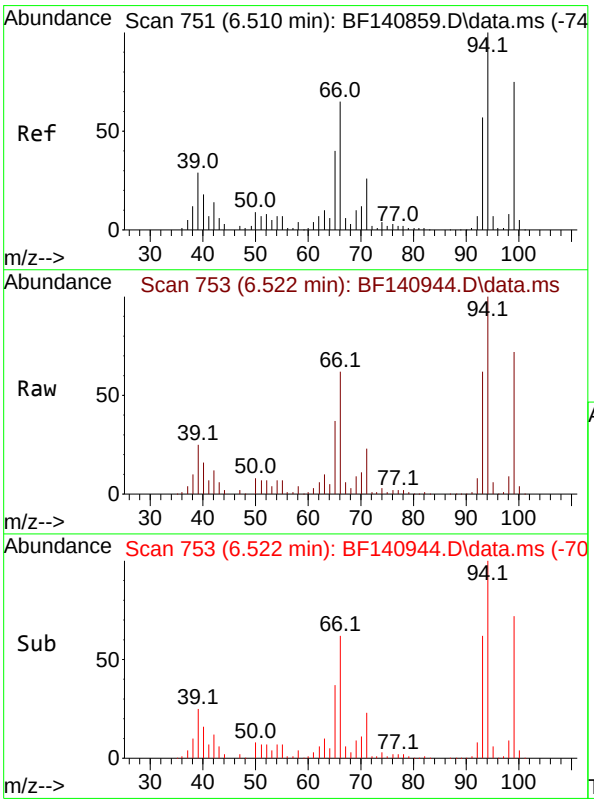

#9
Benzaldehyde
Concen: 16.266 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 77 Resp: 51666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.5 | 75.8 | 115.8 |
| 106 | 94.3 | 74.1 | 114.1 |

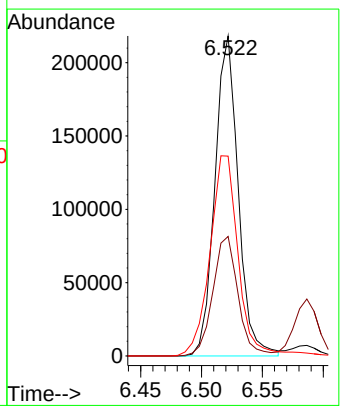


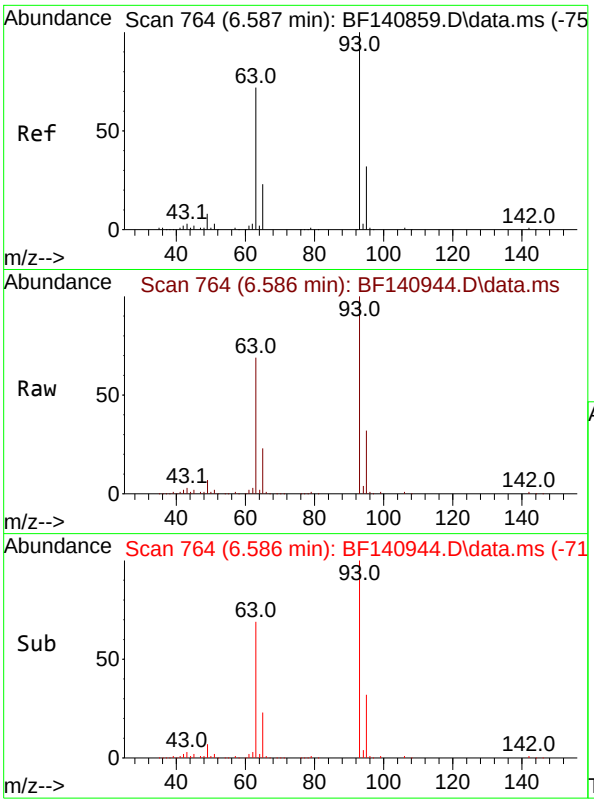




#10
Phenol
Concen: 48.944 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 94 Resp: 290791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 37.4 | 19.9 | 59.9 |
| 66 | 62.5 | 45.6 | 85.6 |



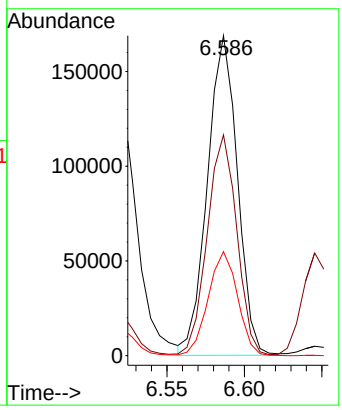


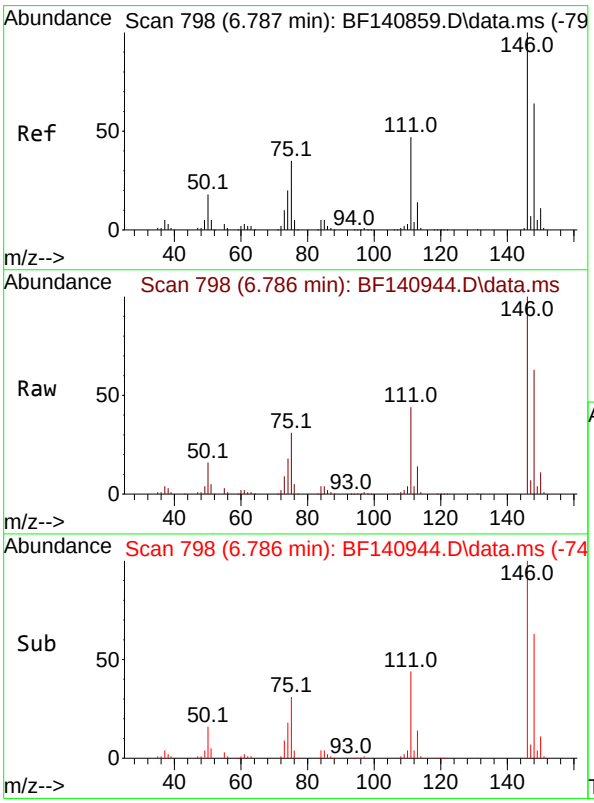

#11
bis(2-Chloroethyl)ether
Concen: 51.253 ng
RT: 6.586 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 93 Resp: 227090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.0 | 51.0 | 91.0 |
| 95 | 32.5 | 12.0 | 52.0 |

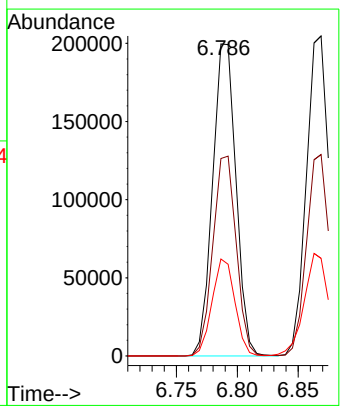


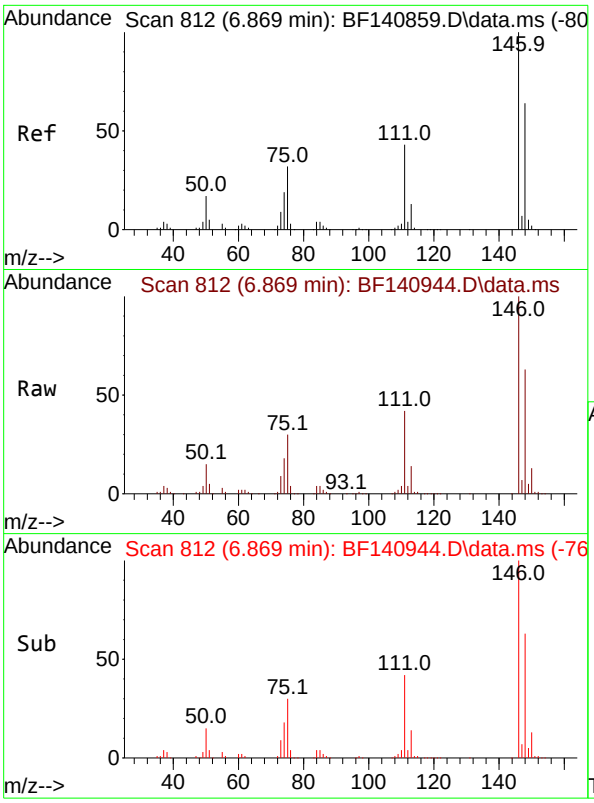




#12
1,3-Dichlorobenzene
Concen: 49.664 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 267093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 75 | 31.1 | 28.1 | 42.1 |



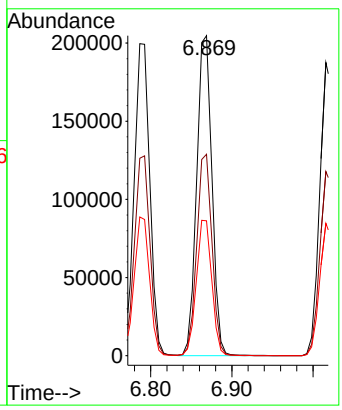


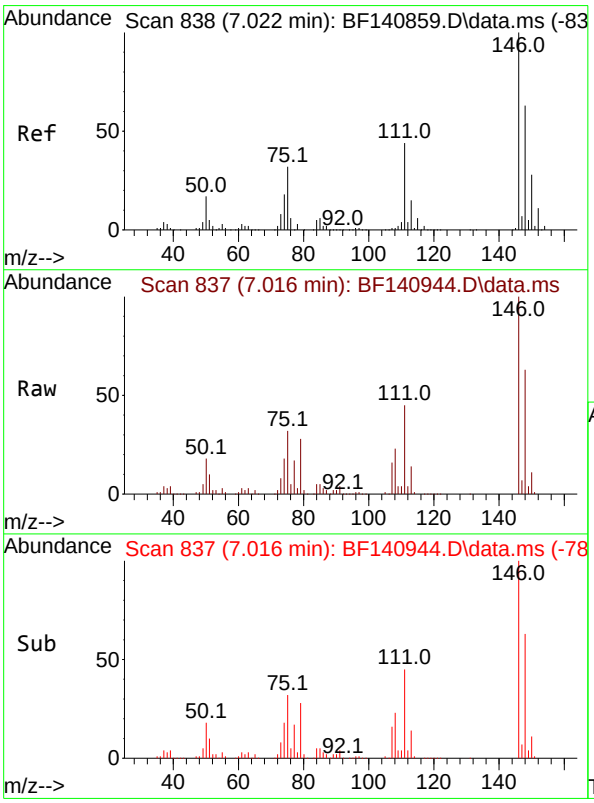

#13
1,4-Dichlorobenzene
Concen: 49.158 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:146 Resp: 268358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 51.3 | 76.9 |
| 111 | 42.2 | 34.4 | 51.6 |

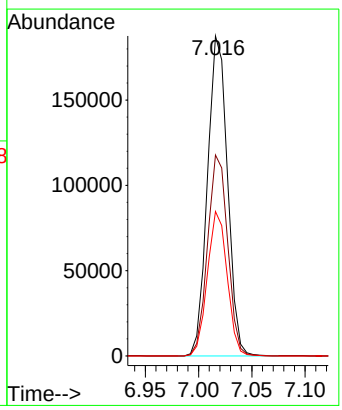


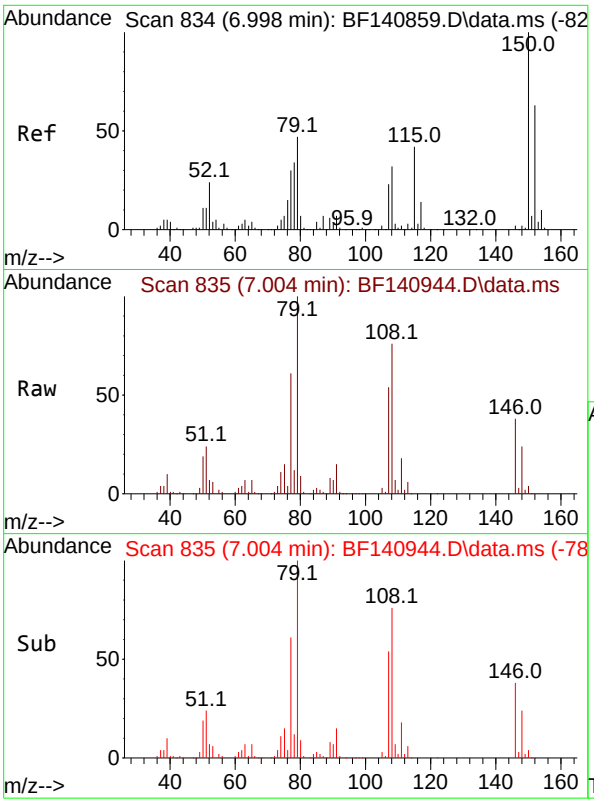




#14
1,2-Dichlorobenzene
Concen: 47.549 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 244910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.0 | 75.0 |
| 111 | 45.1 | 35.6 | 53.4 |



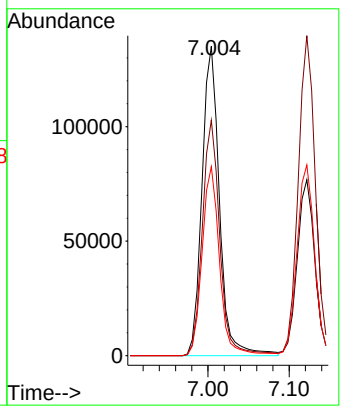


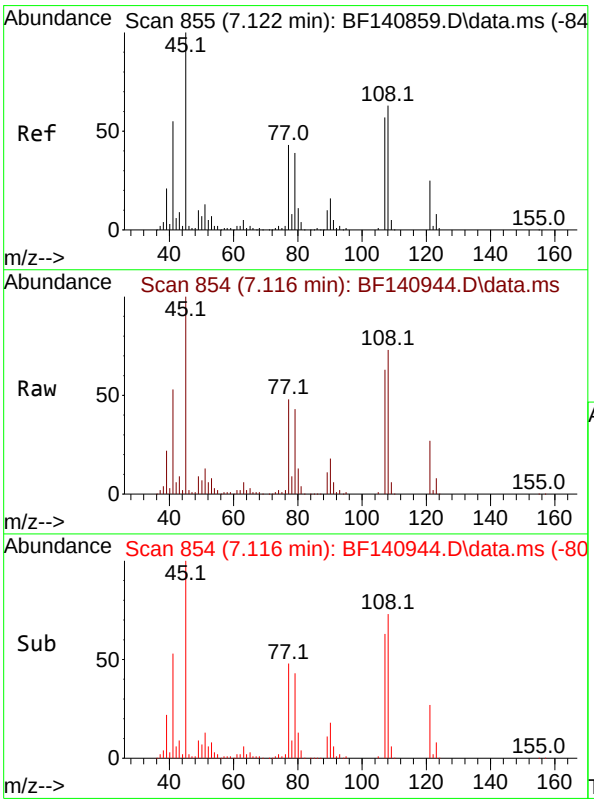

#15
Benzyl Alcohol
Concen: 49.369 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 79 Resp: 202352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 55.1 | 82.7 |
| 77 | 61.0 | 50.6 | 76.0 |

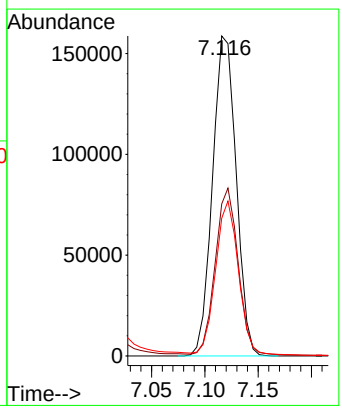


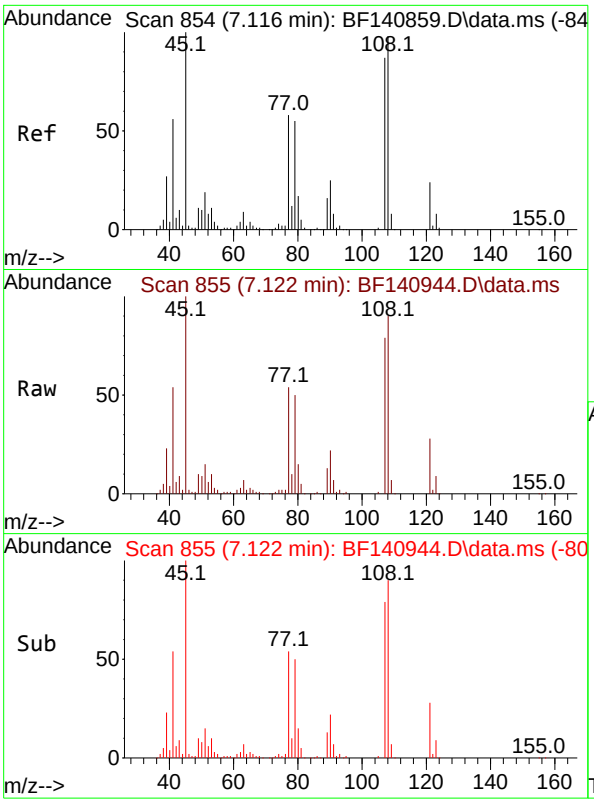




#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.913 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 45 Resp: 244867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 47.5 | 23.3 | 63.3 |
| 79 | 43.1 | 20.0 | 60.0 |



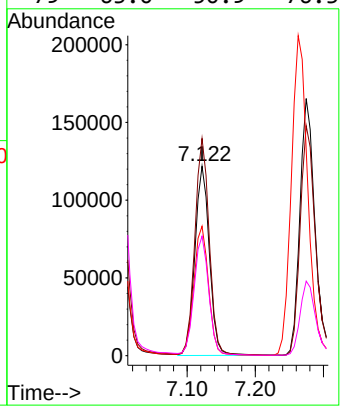


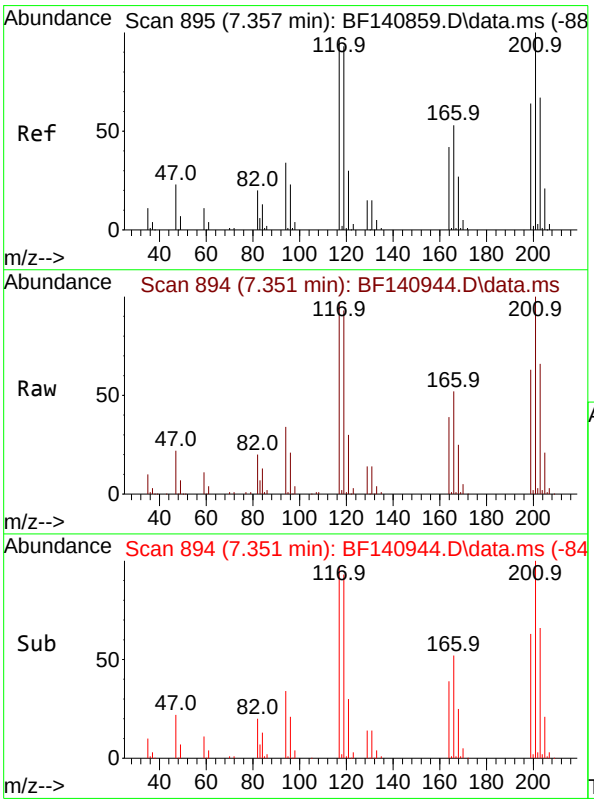

#17
2-Methylphenol
Concen: 47.995 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:107 Resp: 180851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.6 | 90.2 | 135.4 |
| 77 | 68.3 | 53.8 | 80.6 |
| 79 | 63.0 | 50.9 | 76.3 |

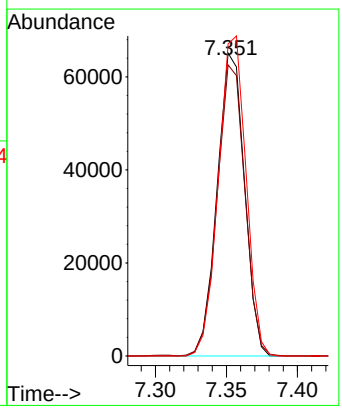


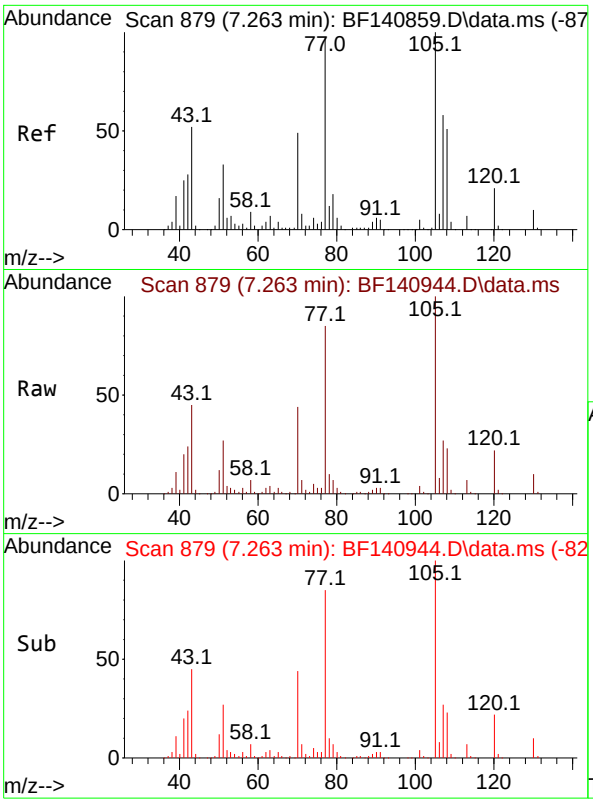




#18
Hexachloroethane
Concen: 42.869 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:117 Resp: 87121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.4 | 116.0 |
| 201 | 103.0 | 83.4 | 125.0 |



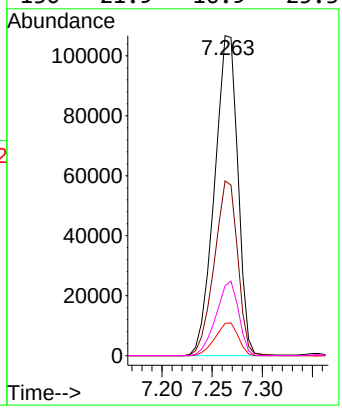


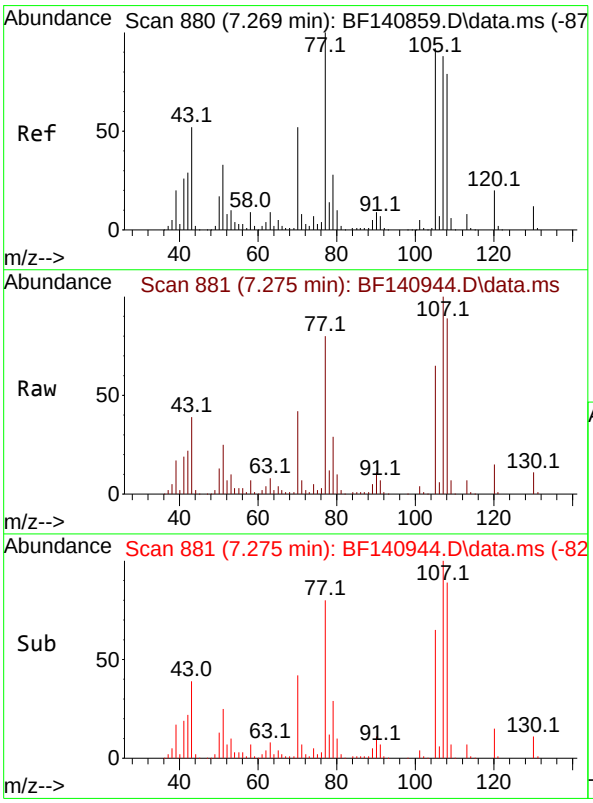

#19
n-Nitroso-di-n-propylamine
Concen: 50.203 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 70 Resp: 172630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.6 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 21.9 | 16.9 | 25.3 |

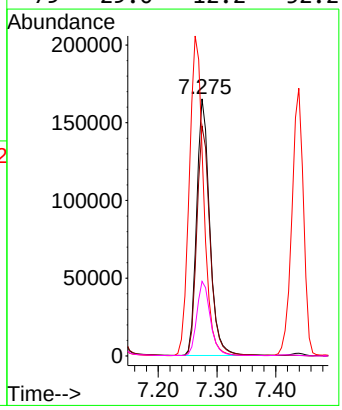


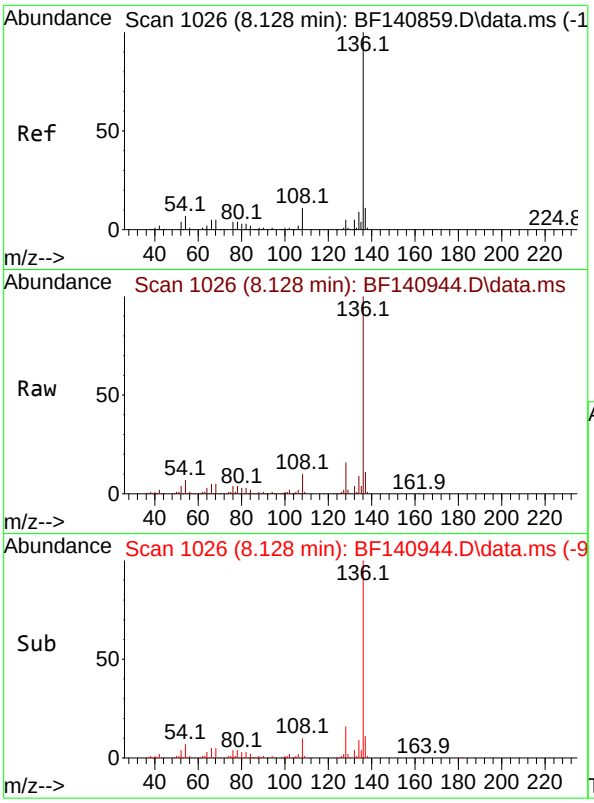




#20
3+4-Methylphenols
Concen: 51.031 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 254983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 70.1 | 110.1 |
| 77 | 80.1 | 94.4 | 134.4# |
| 79 | 29.0 | 12.2 | 52.2 |



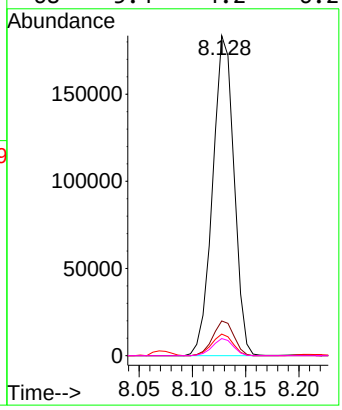


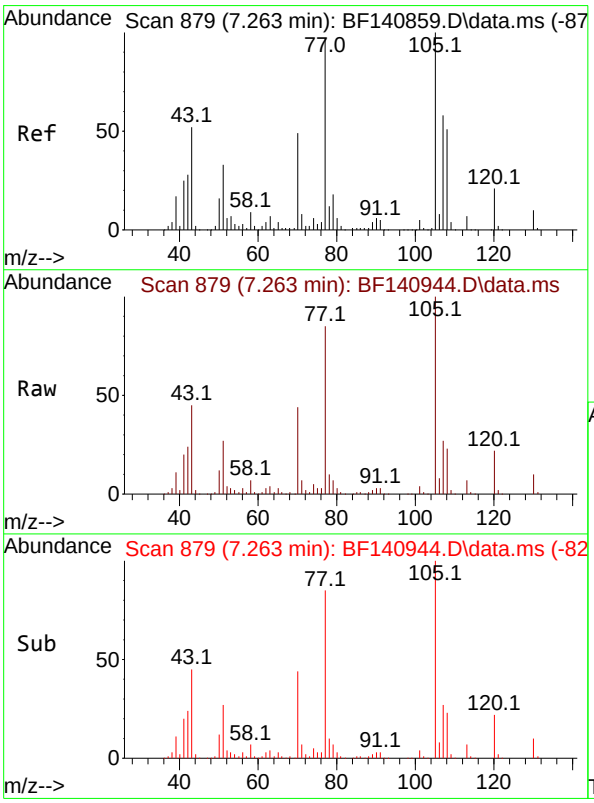

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:136 Resp: 255665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.8 | 5.6 | 8.4 |
| 68 | 5.4 | 4.2 | 6.2 |

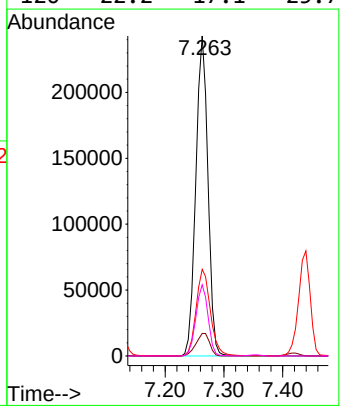


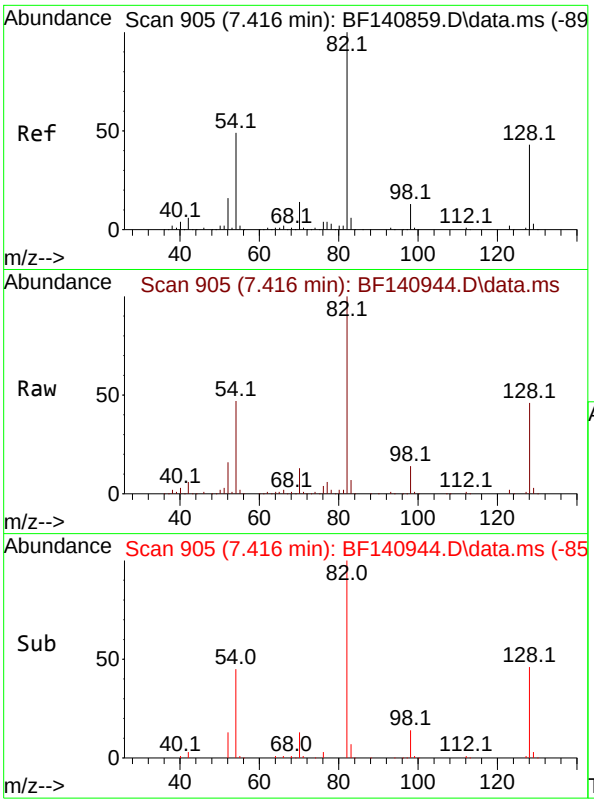




#22
Acetophenone
Concen: 54.389 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:105 Resp: 347847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 6.2 | 9.4 |
| 51 | 27.0 | 26.3 | 39.5 |
| 120 | 22.2 | 17.1 | 25.7 |



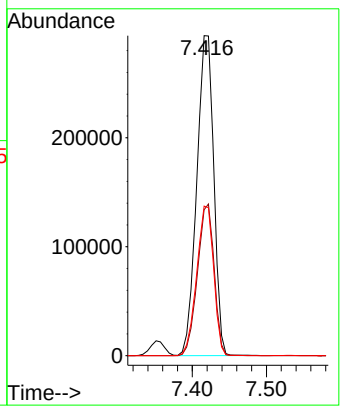


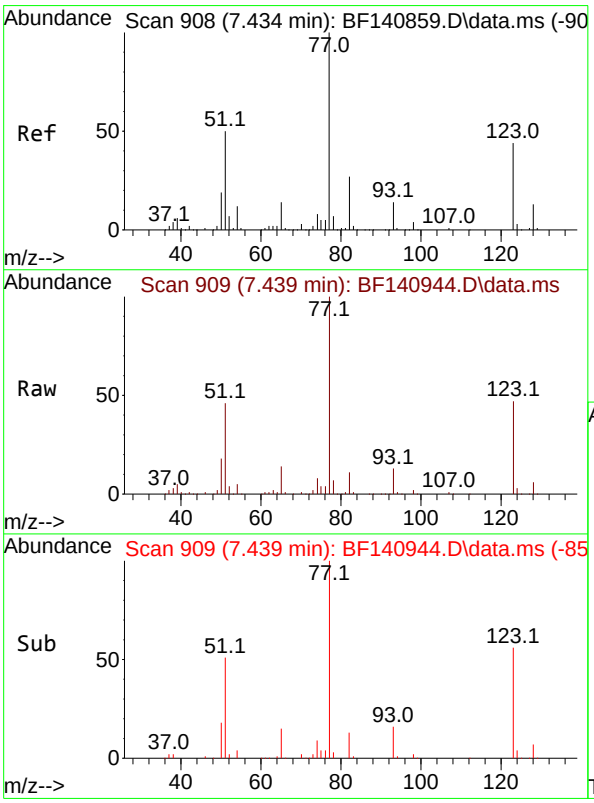

#23
Nitrobenzene-d5
Concen: 91.608 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 82 Resp: 468127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.6 | 34.4 | 51.6 |
| 54 | 46.8 | 38.8 | 58.2 |

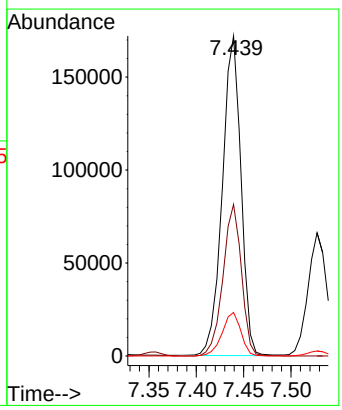


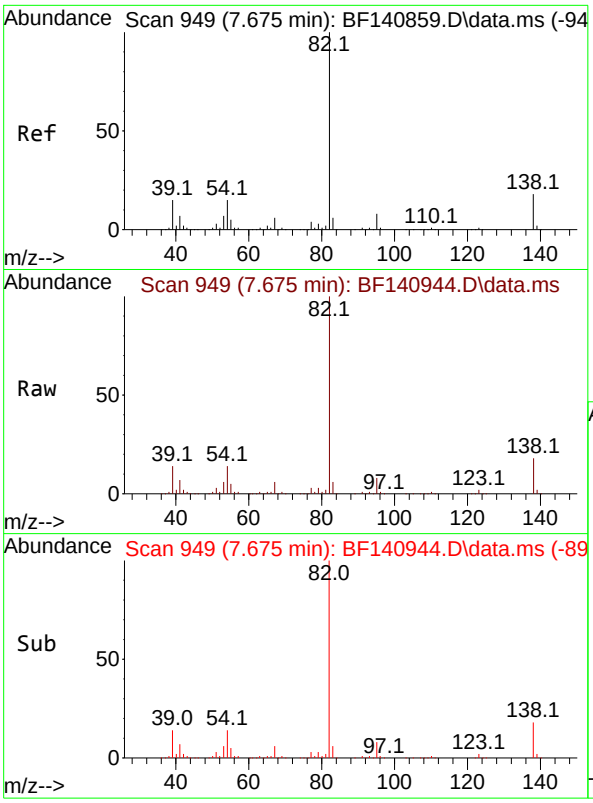




#24
Nitrobenzene
Concen: 45.000 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 77 Resp: 235580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.3 | 35.0 | 52.4 |
| 65 | 13.6 | 11.4 | 17.0 |



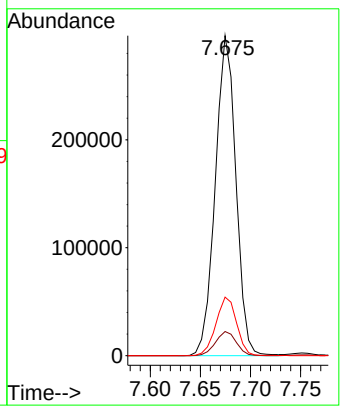


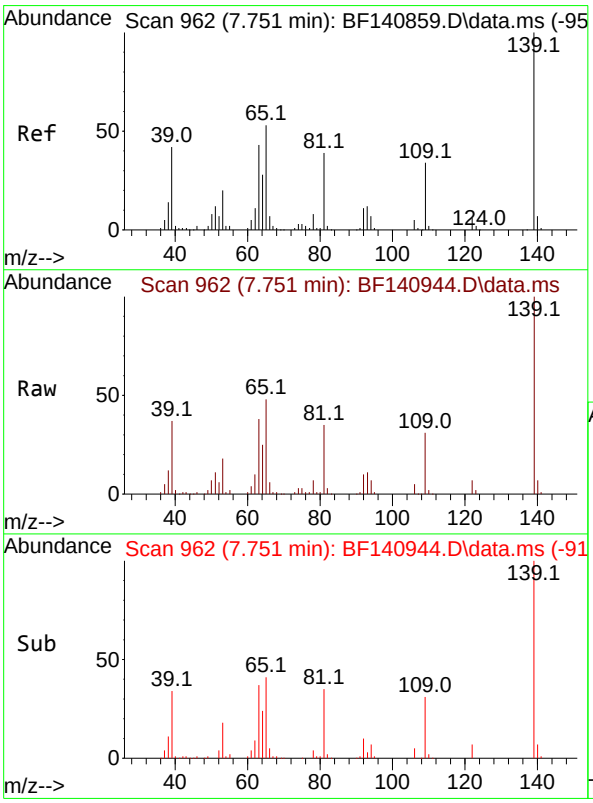

#25
Isophorone
Concen: 49.531 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 82 Resp: 424100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.3 | 9.5 |
| 138 | 18.3 | 14.1 | 21.1 |

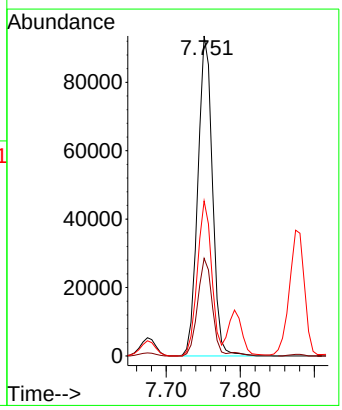


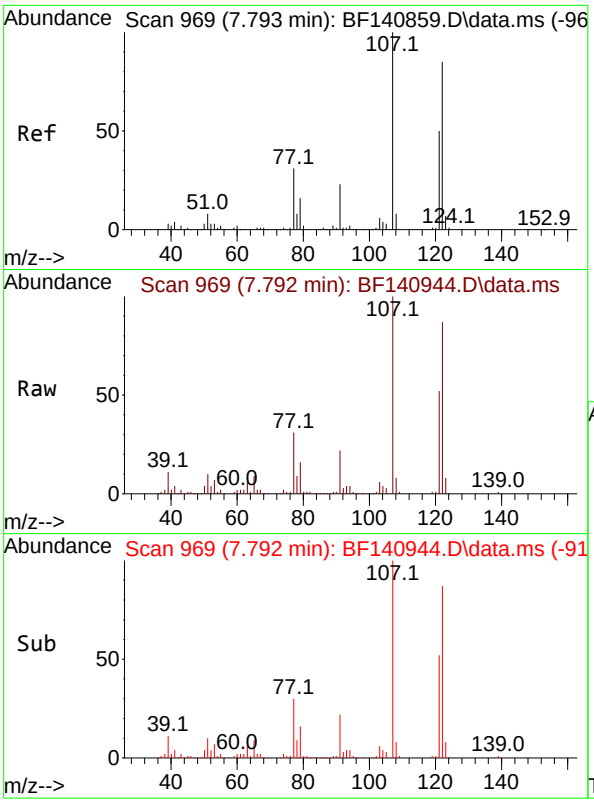




#26
2-Nitrophenol
Concen: 53.191 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:139 Resp: 128251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 26.9 | 40.3 |
| 65 | 48.4 | 42.6 | 64.0 |



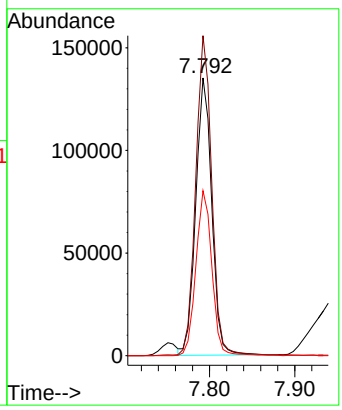


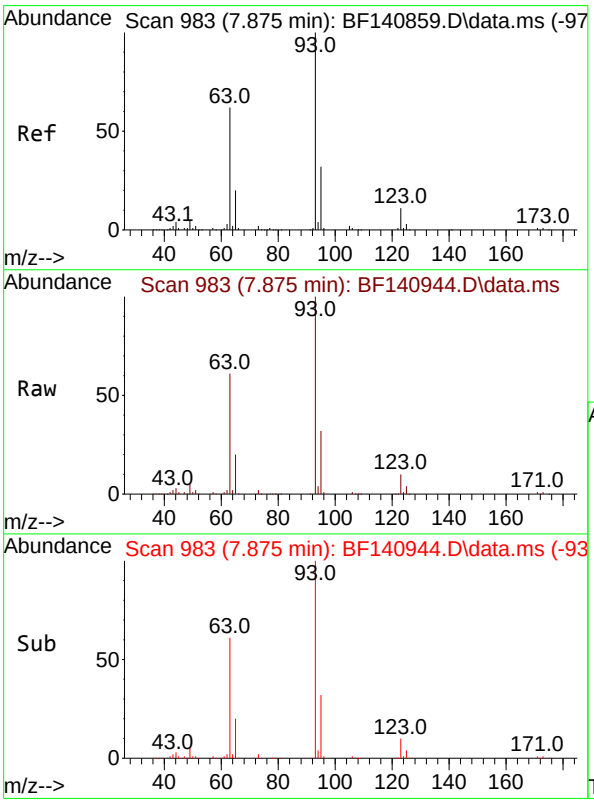

#27
2,4-Dimethylphenol
Concen: 62.636 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:122 Resp: 176373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.2 | 92.6 | 139.0 |
| 121 | 59.3 | 45.8 | 68.8 |

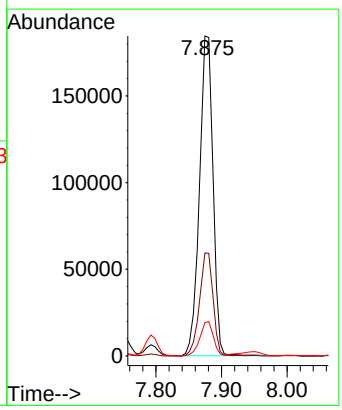


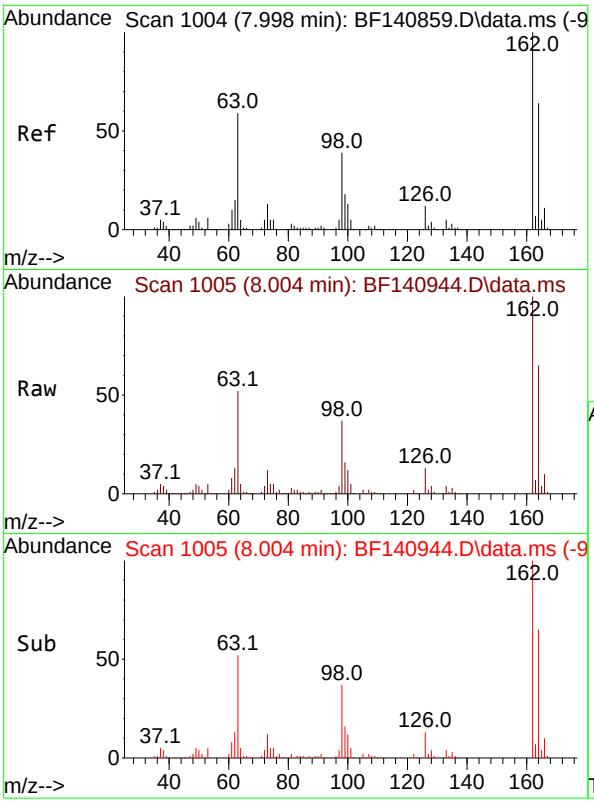




#28
bis(2-Chloroethoxy)methane
Concen: 49.677 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 93 Resp: 265660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.3 | 37.9 |
| 123 | 10.4 | 8.6 | 13.0 |



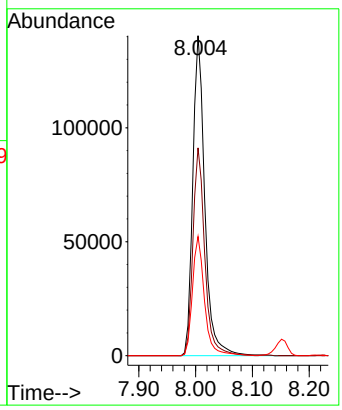


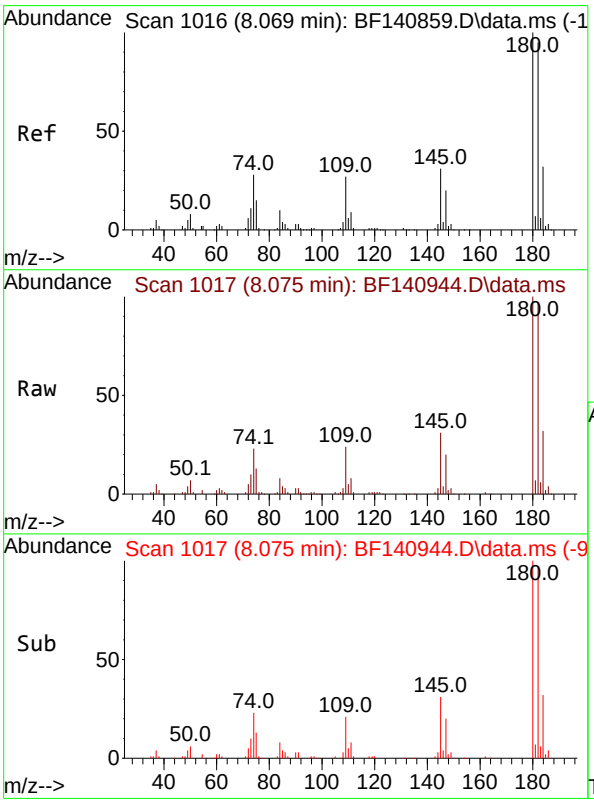

#29
2,4-Dichlorophenol
Concen: 53.277 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:162 Resp: 207115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 43.7 | 83.7 |
| 98 | 37.3 | 18.6 | 58.6 |

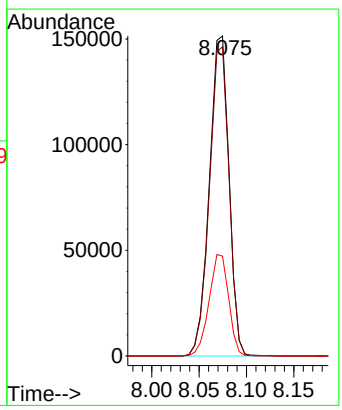


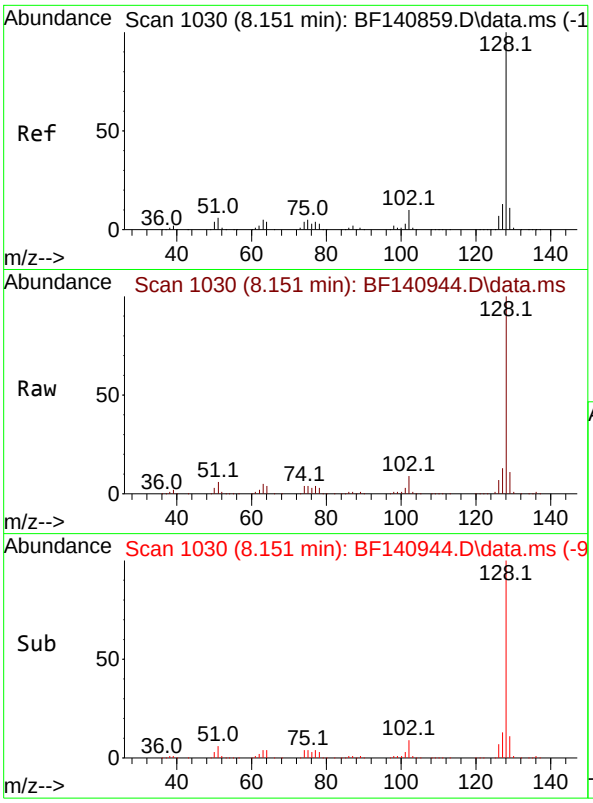




#30
1,2,4-Trichlorobenzene
Concen: 49.061 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:180 Resp: 218640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 75.8 | 113.6 |
| 145 | 31.2 | 25.2 | 37.8 |



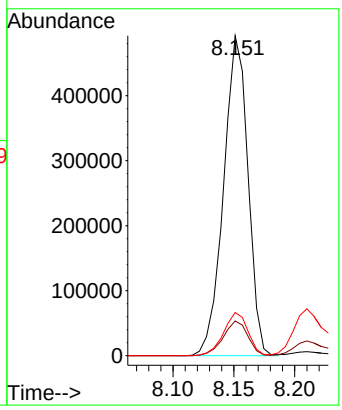


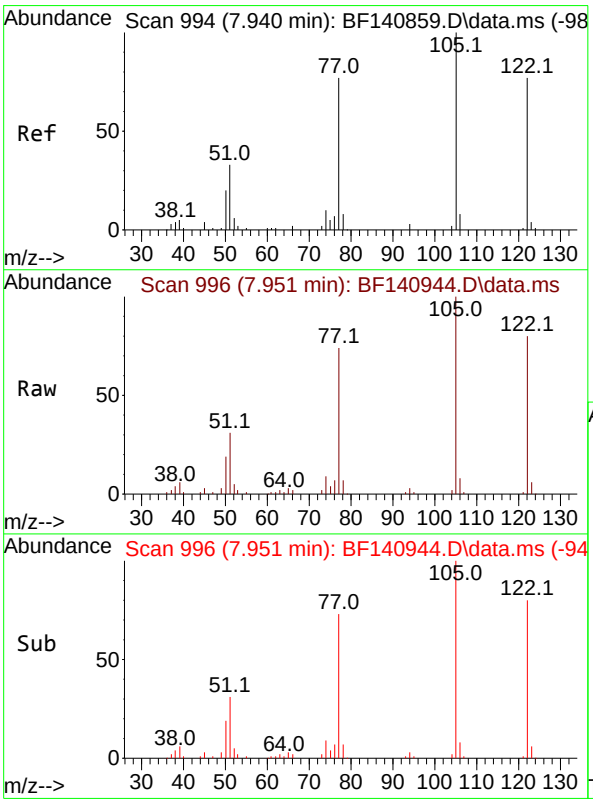

#31
Naphthalene
Concen: 48.804 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:128 Resp: 685399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.9 | 13.3 |
| 127 | 13.5 | 10.6 | 16.0 |

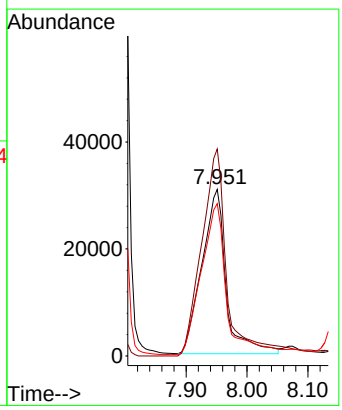


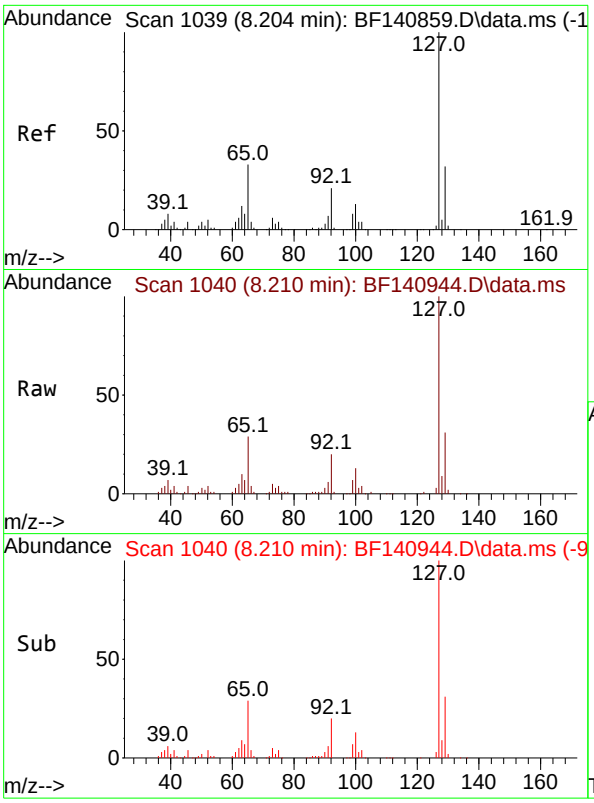




#32
Benzoic acid
Concen: 31.894 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:122 Resp: 85175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.3 | 108.3 | 148.3 |
| 77 | 91.4 | 78.8 | 118.8 |



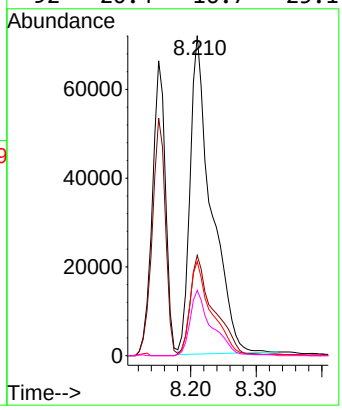


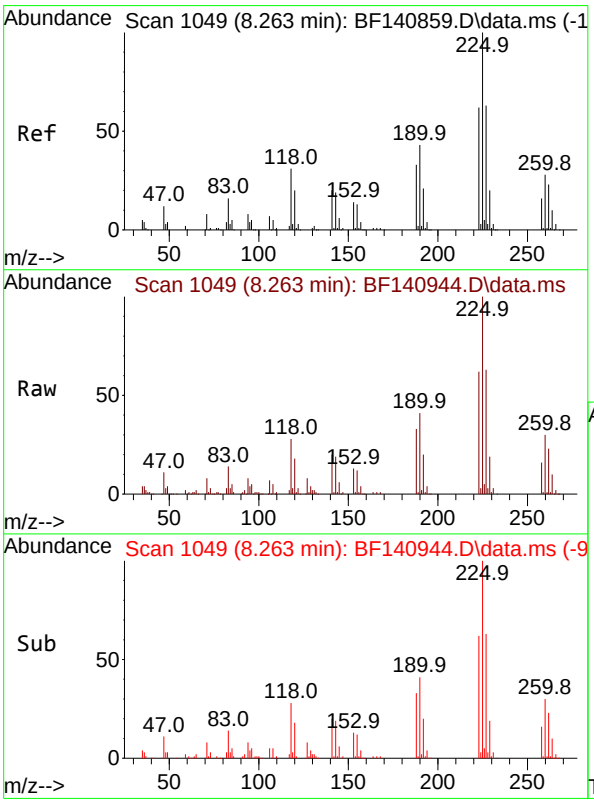

#33
4-Chloroaniline
Concen: 34.586 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:127 Resp: 161324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 26.0 | 39.0 |
| 65 | 29.4 | 26.0 | 39.0 |
| 92 | 20.4 | 16.7 | 25.1 |

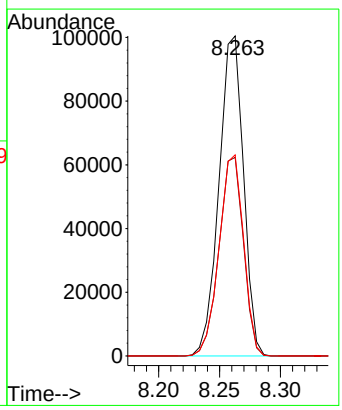


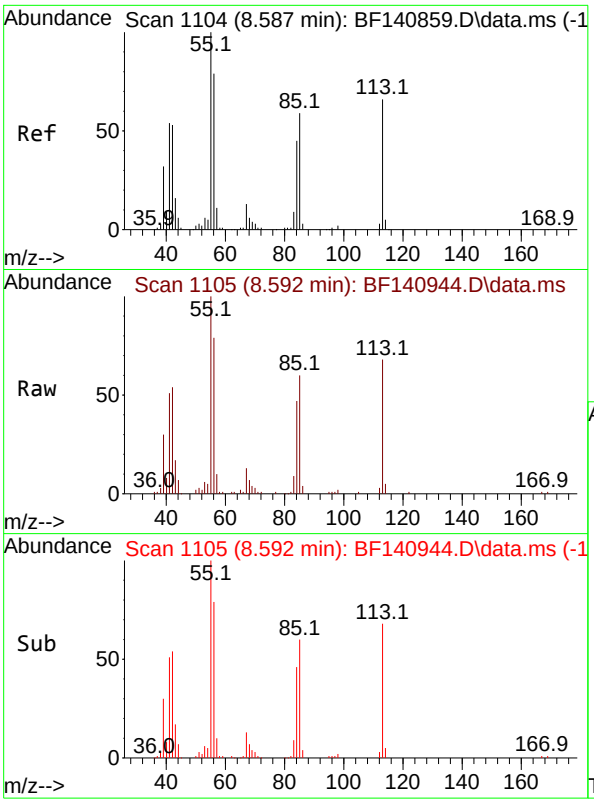




#34
Hexachlorobutadiene
Concen: 46.981 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:225 Resp: 140865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.6 | 74.4 |
| 227 | 62.8 | 50.7 | 76.1 |



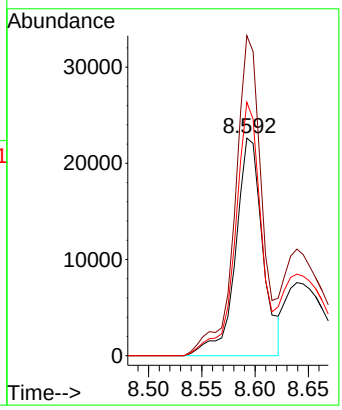


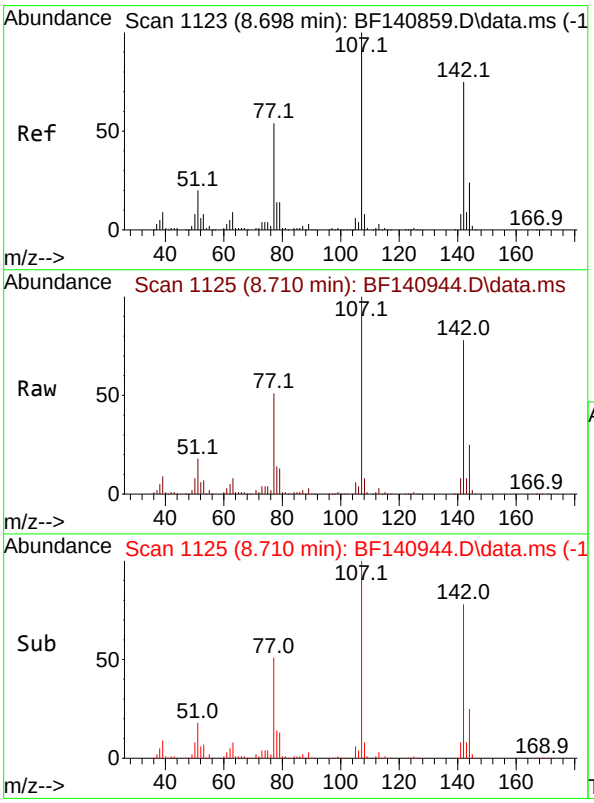

#35
Caprolactam
Concen: 34.581 ng
RT: 8.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:113 Resp: 40022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 147.0 | 132.3 | 172.3 |
| 56 | 116.4 | 100.3 | 140.3 |

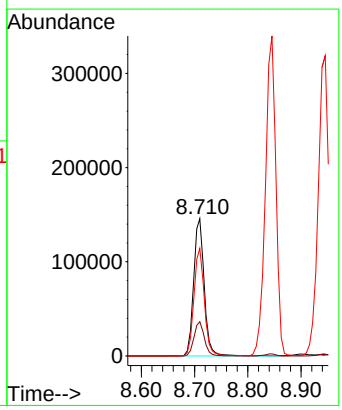


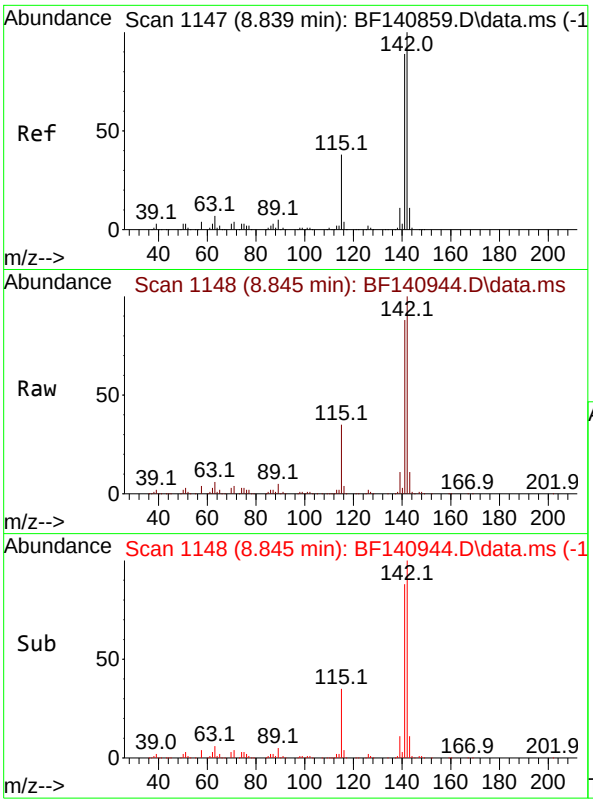




#36
4-Chloro-3-methylphenol
Concen: 46.112 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 201762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 19.4 | 29.2 |
| 142 | 78.3 | 60.3 | 90.5 |



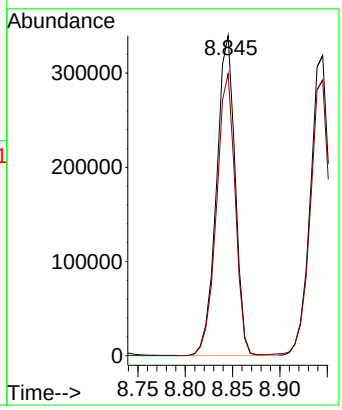


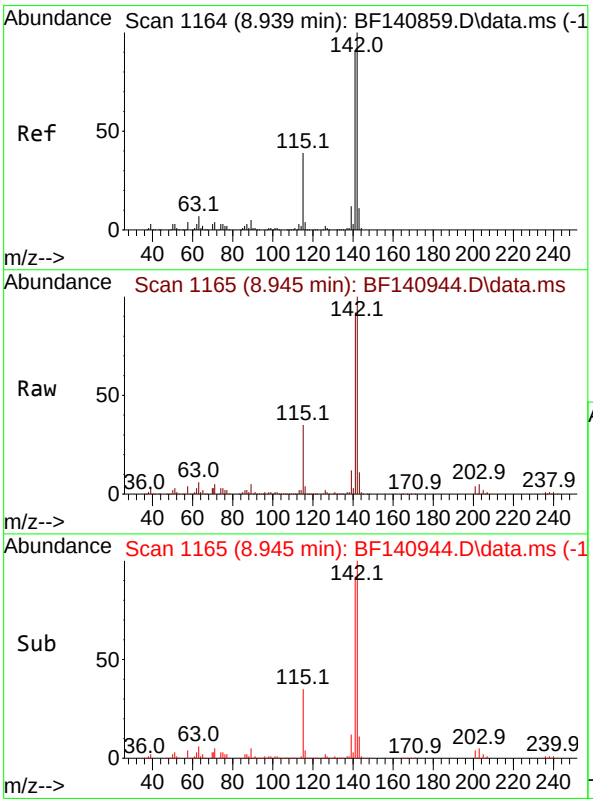

#37
2-Methylnaphthalene
Concen: 50.021 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:142 Resp: 464695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.0 | 106.6 |

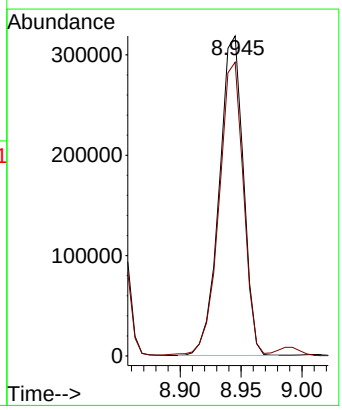


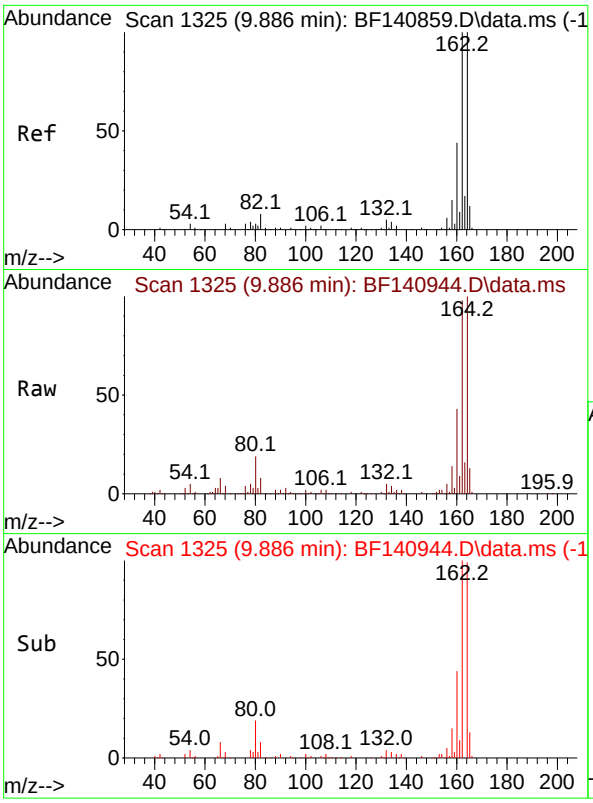




#38
1-Methylnaphthalene
Concen: 47.751 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:142 Resp: 438727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.4 | 110.0 |



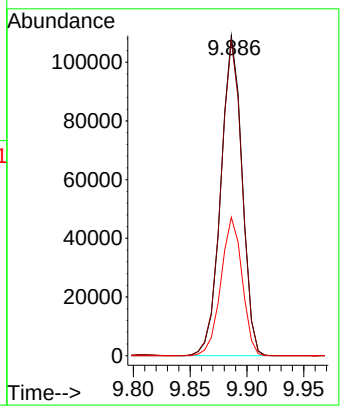


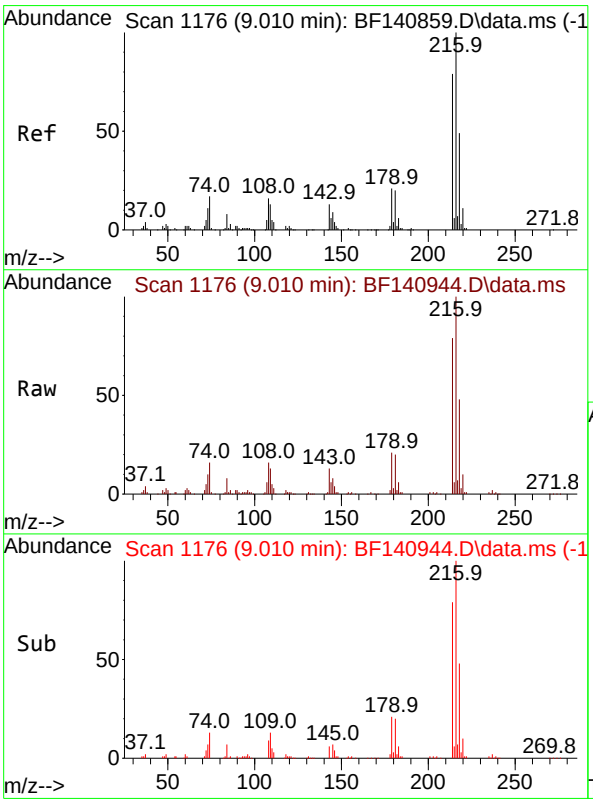

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:164 Resp: 141292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.5 | 79.9 | 119.9 |
| 160 | 43.2 | 35.2 | 52.8 |

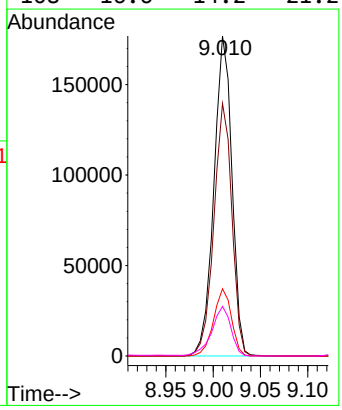


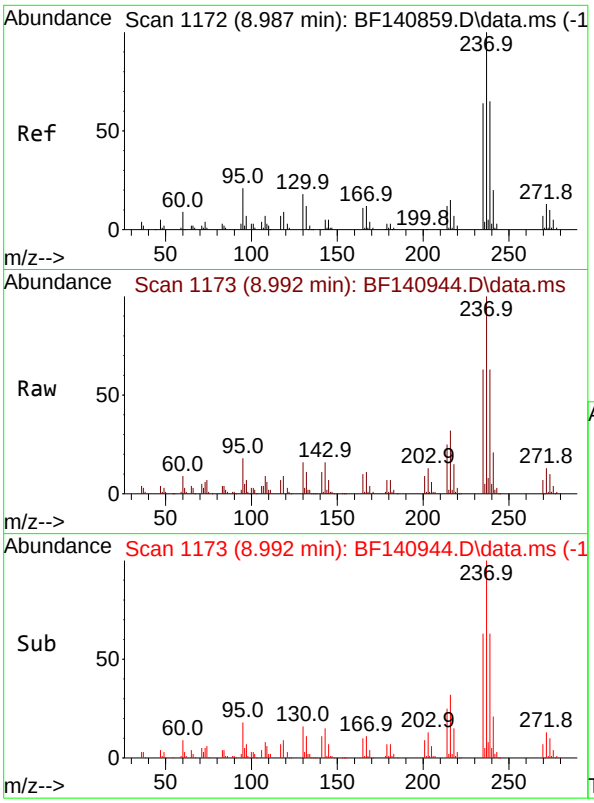




#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.956 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:216 Resp: 234321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 16.6 | 14.2 | 21.2 |



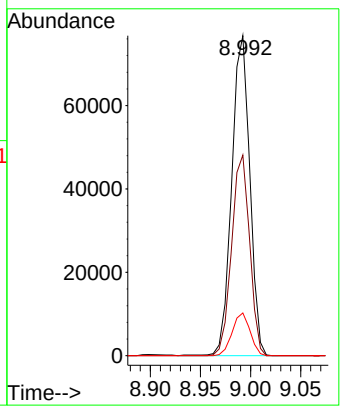


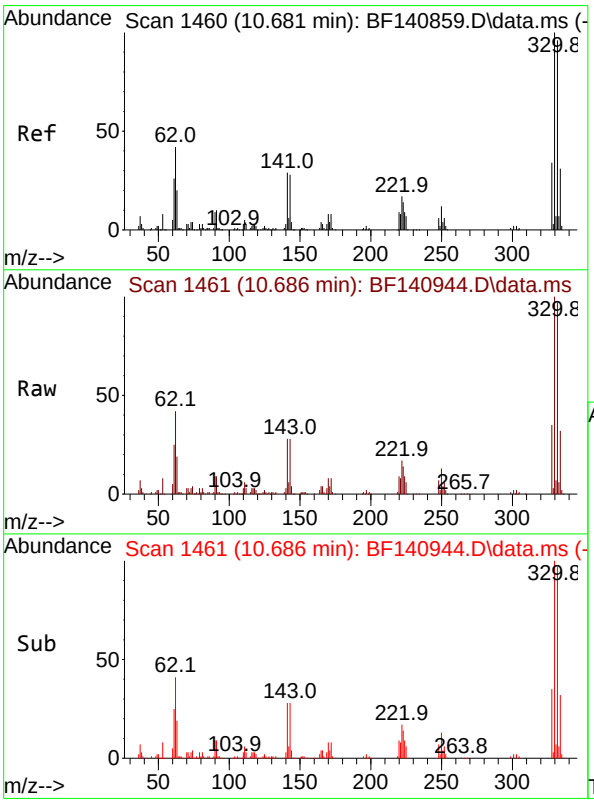

#41
Hexachlorocyclopentadiene
Concen: 68.569 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:237 Resp: 96370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 43.7 | 83.7 |
| 272 | 13.3 | 0.0 | 32.9 |

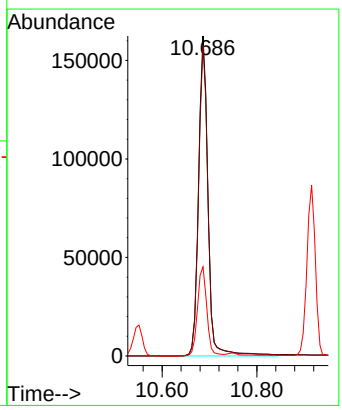


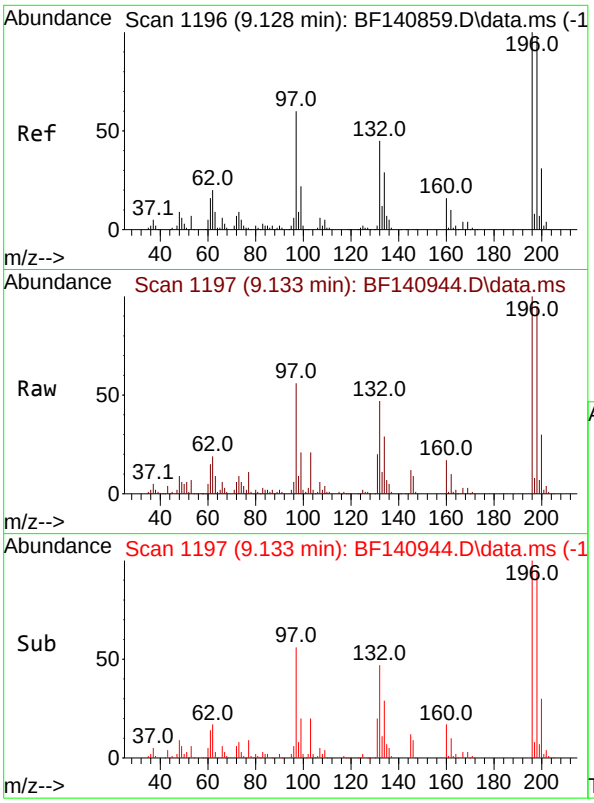




#42
2,4,6-Tribromophenol
Concen: 134.800 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:330 Resp: 225262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 76.2 | 114.4 |
| 141 | 27.4 | 24.9 | 37.3 |



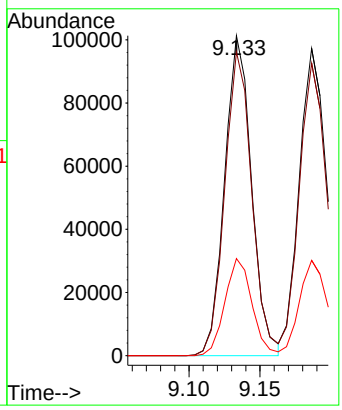


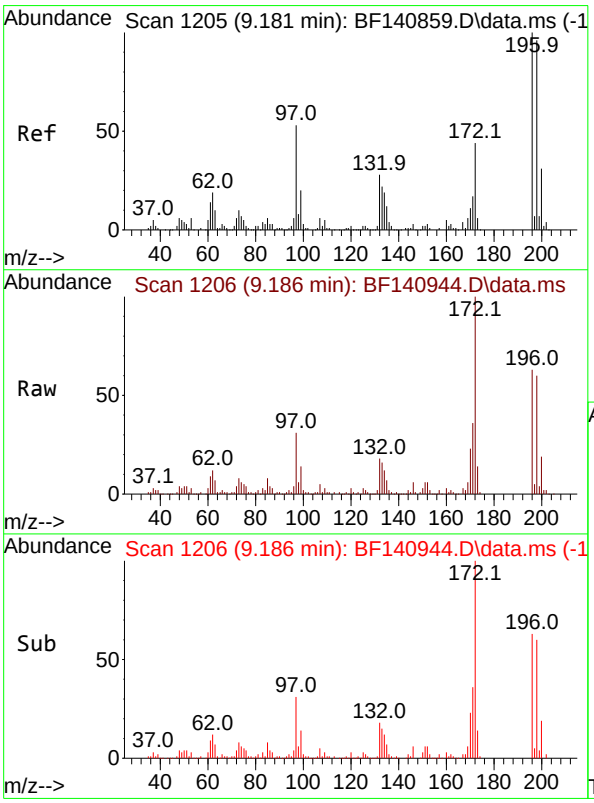

#43
2,4,6-Trichlorophenol
Concen: 50.276 ng
RT: 9.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:196 Resp: 133695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 77.4 | 116.0 |
| 200 | 30.3 | 24.5 | 36.7 |

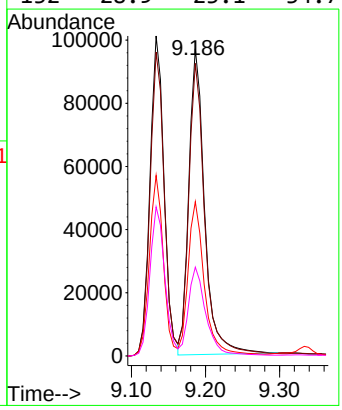


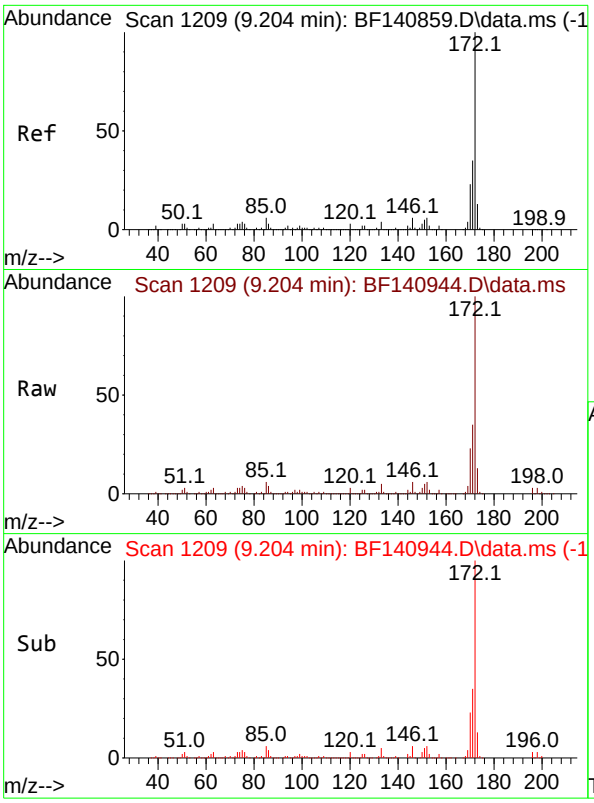




#44
2,4,5-Trichlorophenol
Concen: 49.003 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:196 Resp: 143227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 50.2 | 42.2 | 63.4 |
| 132 | 28.9 | 23.1 | 34.7 |



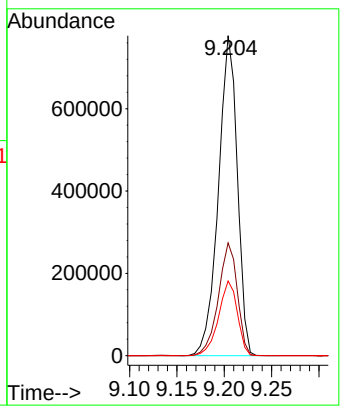


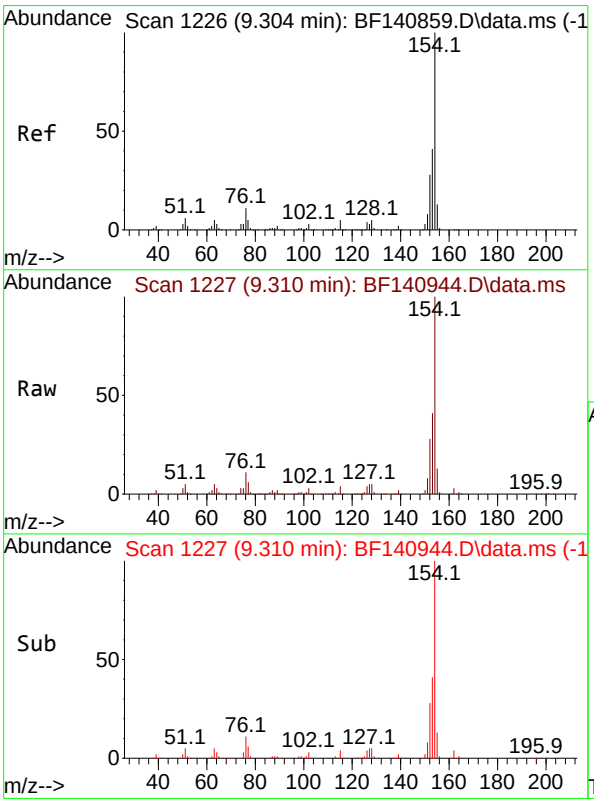

#45
2-Fluorobiphenyl
Concen: 105.274 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:172 Resp: 1081886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.4 | 18.6 | 28.0 |

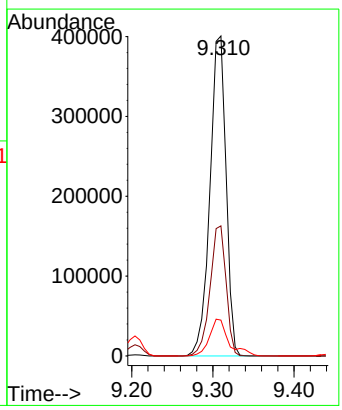


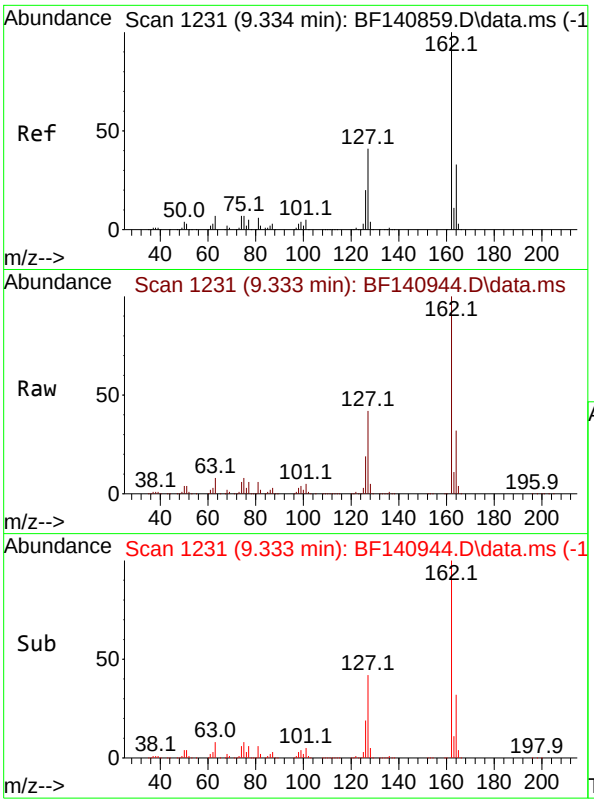




#46
1,1'-Biphenyl
Concen: 49.168 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:154 Resp: 552413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.8 | 60.8 |
| 76 | 11.2 | 0.0 | 31.0 |



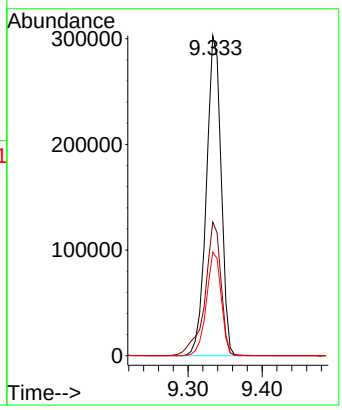


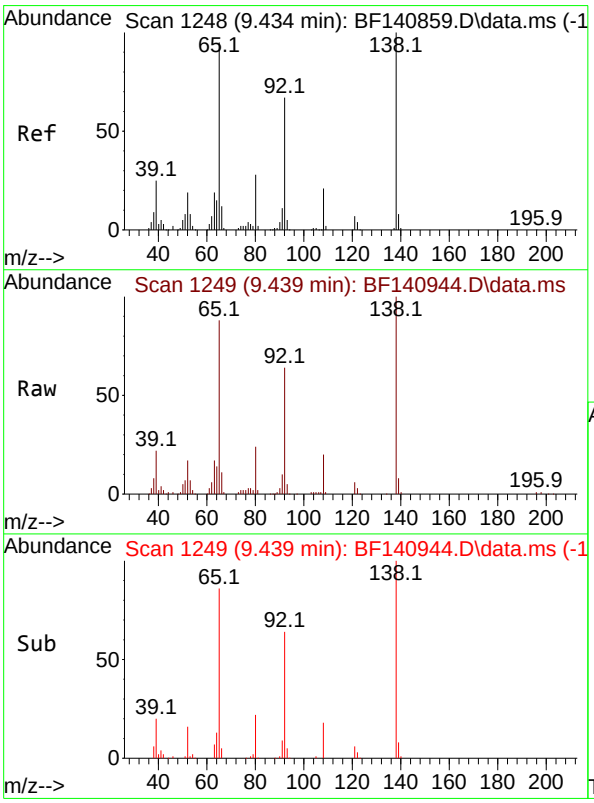

#47
2-Chloronaphthalene
Concen: 48.592 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:162 Resp: 417659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.5 | 50.3 |
| 164 | 32.4 | 26.2 | 39.2 |

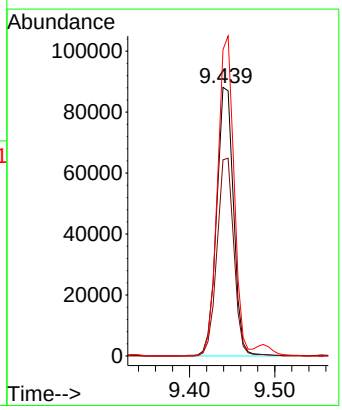


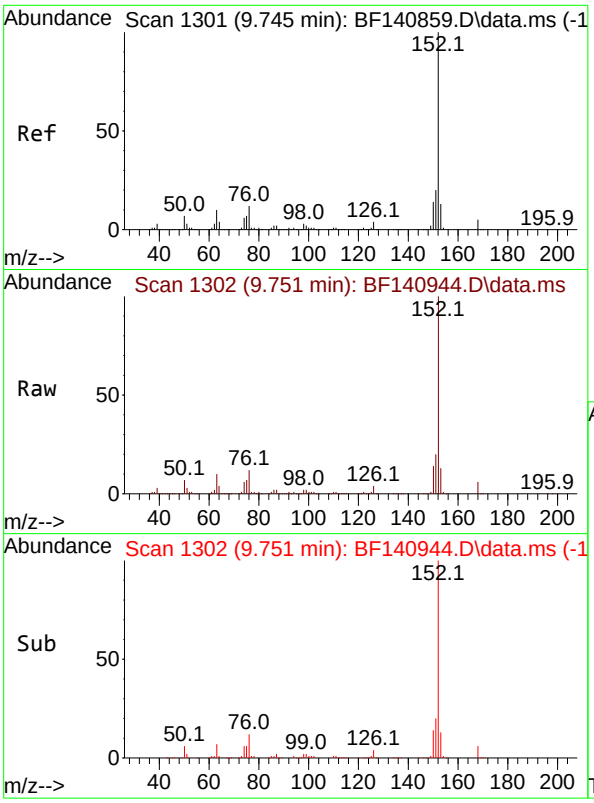




#48
2-Nitroaniline
Concen: 46.835 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 65 Resp: 121577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 56.3 | 84.5 |
| 138 | 114.0 | 83.8 | 125.6 |



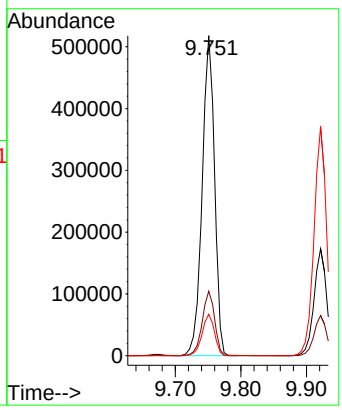


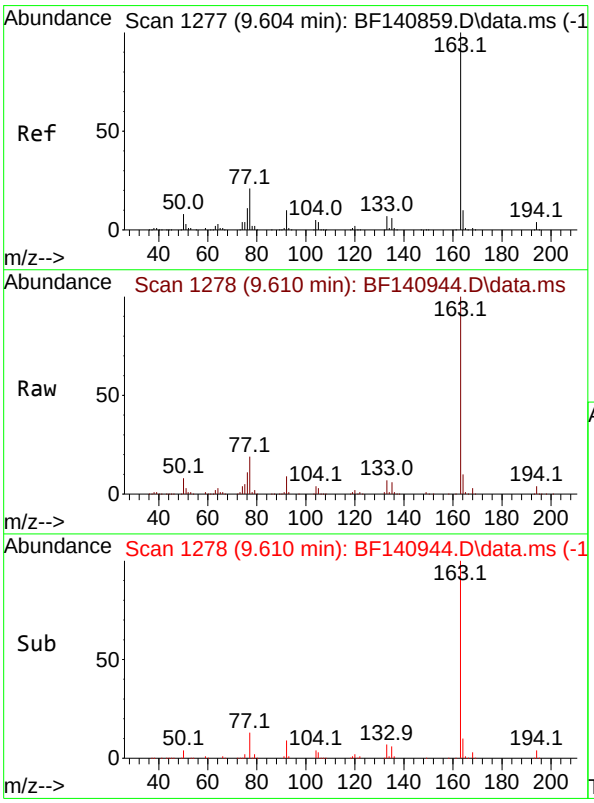

#49
Acenaphthylene
Concen: 53.969 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:152 Resp: 681698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |

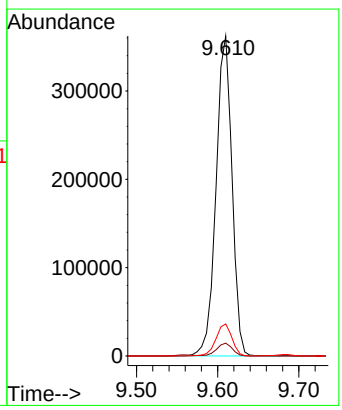


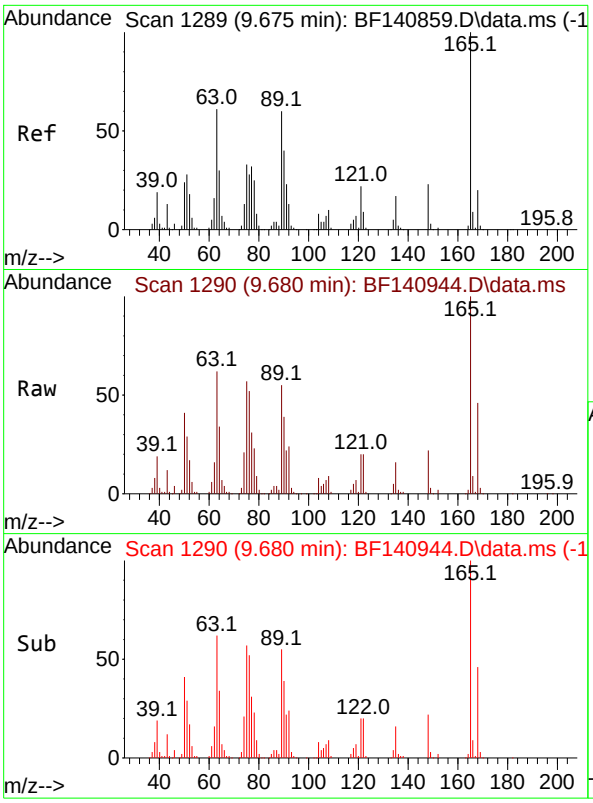




#50
Dimethylphthalate
Concen: 49.797 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:163 Resp: 496054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.0 | 8.1 | 12.1 |



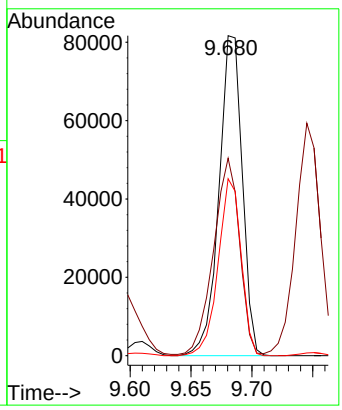


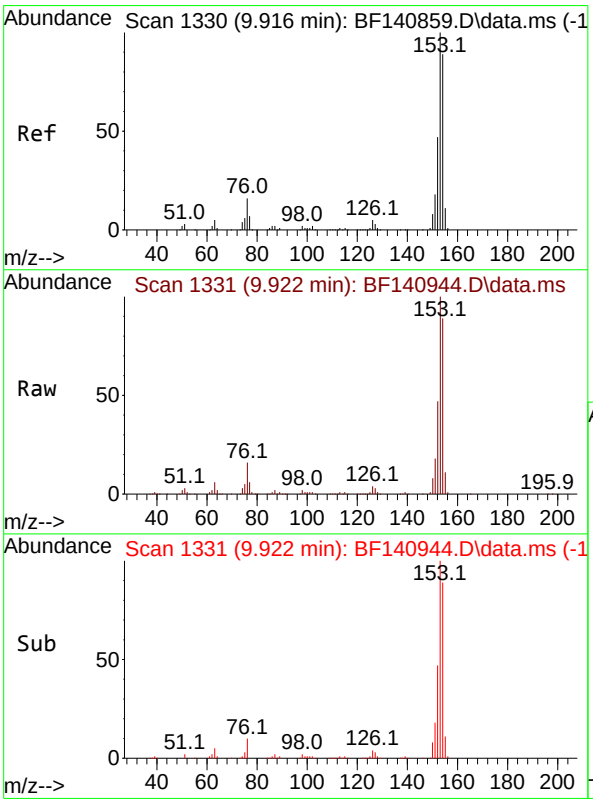

#51
2,6-Dinitrotoluene
Concen: 47.820 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:165 Resp: 108898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 49.7 | 74.5 |
| 89 | 55.3 | 48.2 | 72.4 |

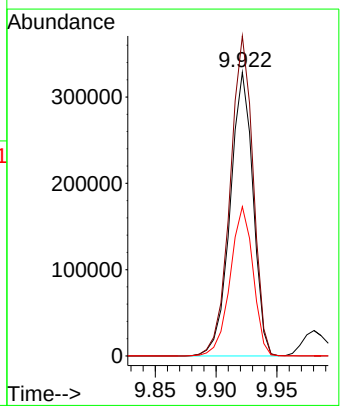


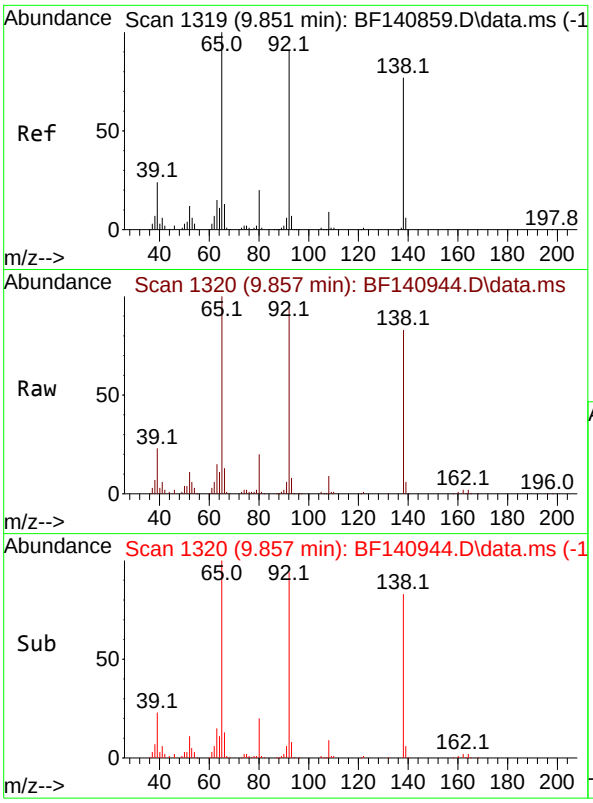




#52
Acenaphthene
Concen: 53.351 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:154 Resp: 430468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.8 | 89.9 | 134.9 |
| 152 | 52.6 | 42.6 | 63.8 |



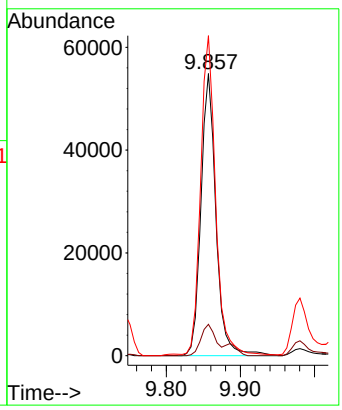


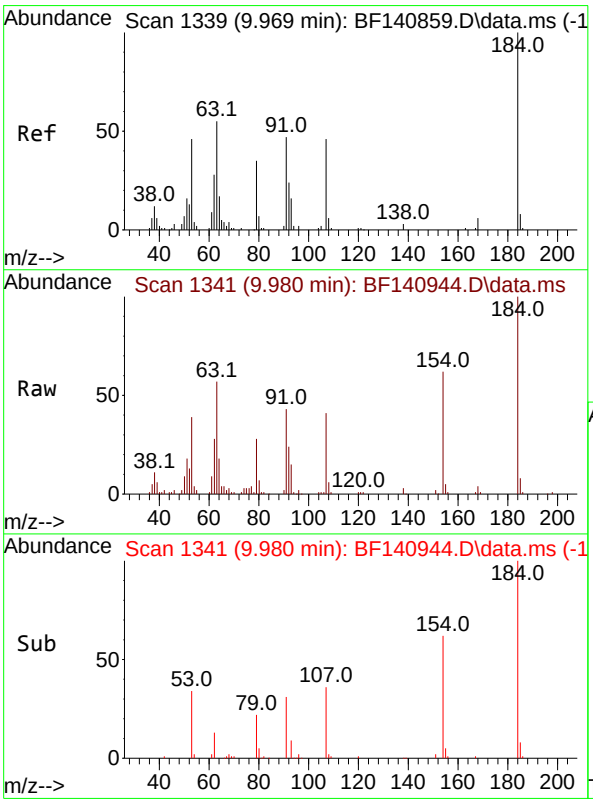

#53
3-Nitroaniline
Concen: 34.184 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:138 Resp: 77254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 113.4 | 95.5 | 143.3 |

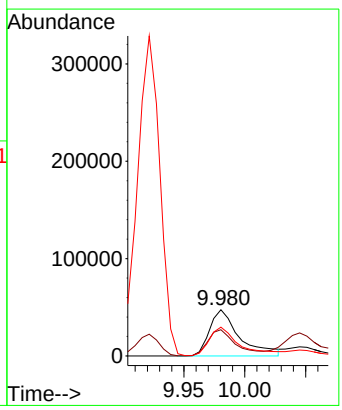


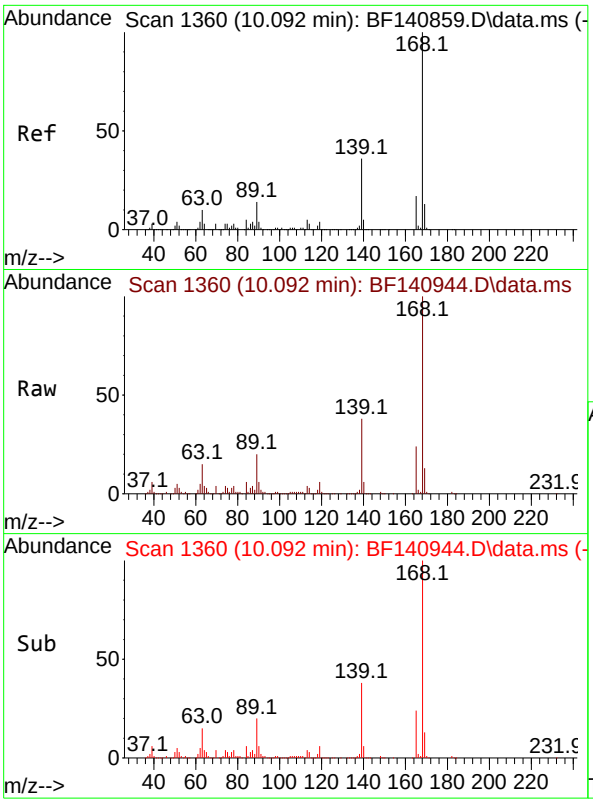




#54
2,4-Dinitrophenol
Concen: 73.697 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:184 Resp: 81264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.8 | 51.6 | 77.4 |
| 154 | 62.1 | 56.1 | 84.1 |



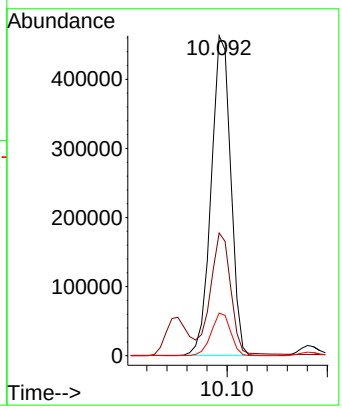


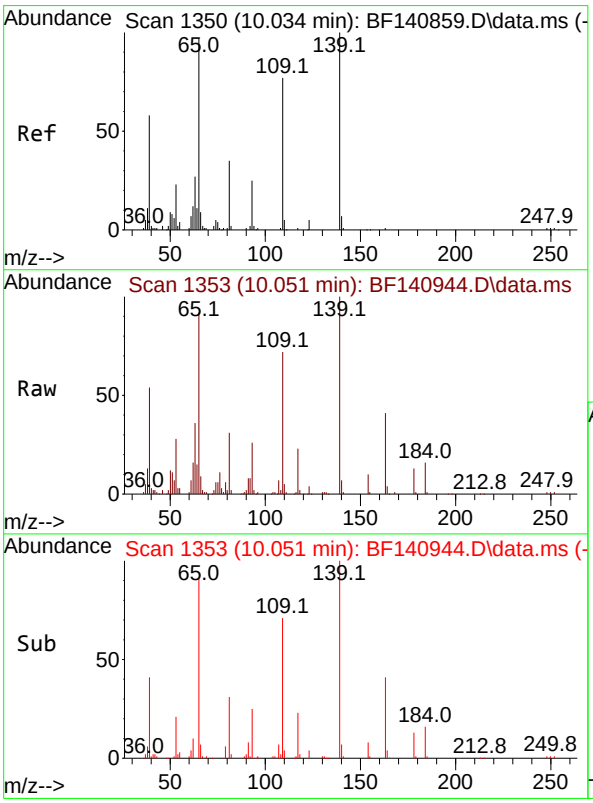

#55
Dibenzofuran
Concen: 49.905 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:168 Resp: 623949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.4 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |

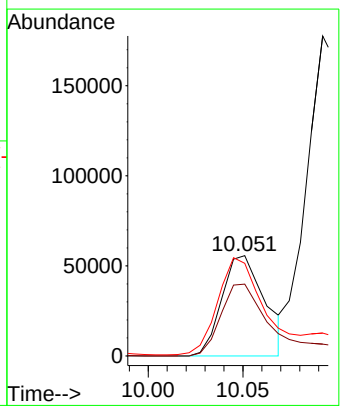


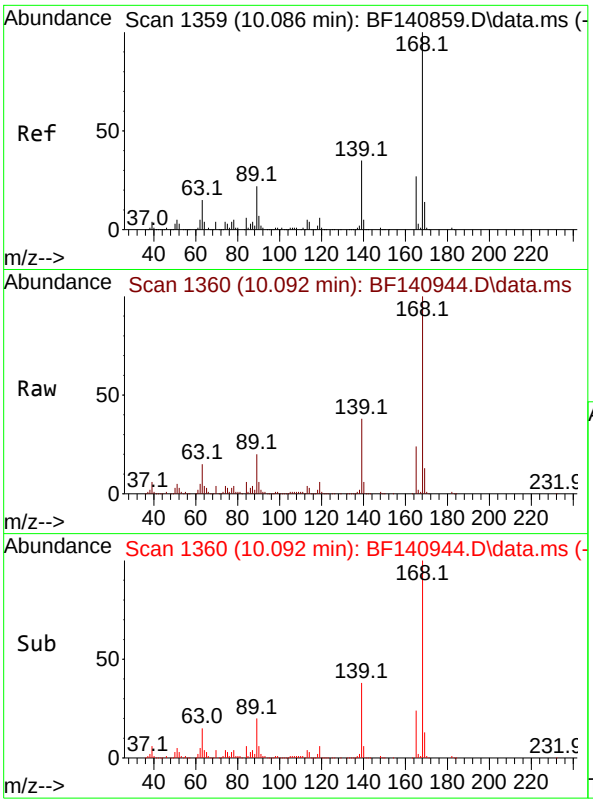




#56
4-Nitrophenol
Concen: 72.611 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:139 Resp: 87740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.7 | 56.7 | 96.7 |
| 65 | 92.4 | 78.1 | 118.1 |



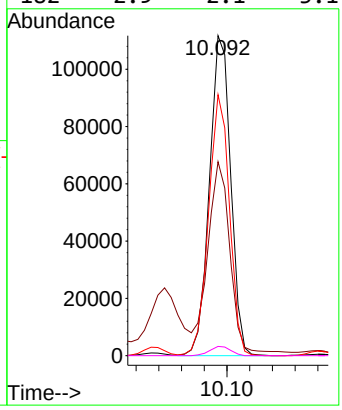


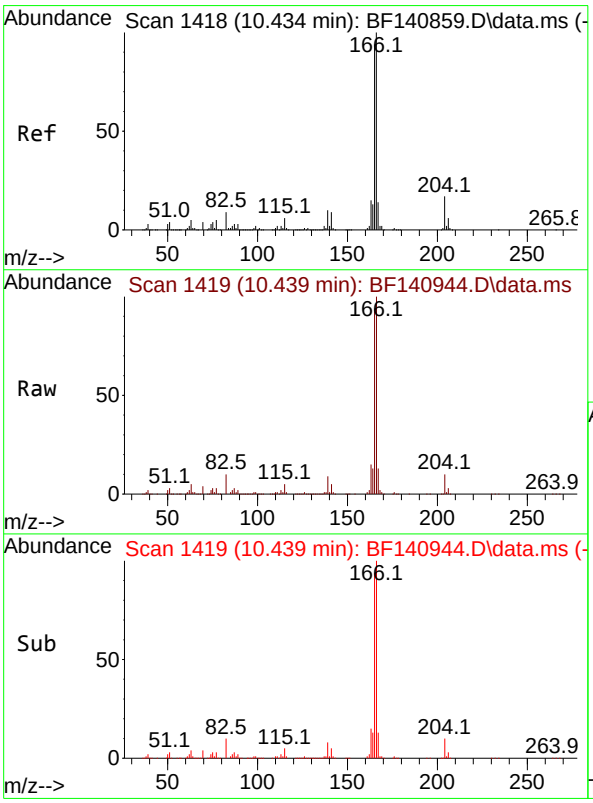

#57
2,4-Dinitrotoluene
Concen: 48.383 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:165 Resp: 144968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.6 | 49.3 | 73.9 |
| 89 | 81.6 | 66.2 | 99.4 |
| 182 | 2.9 | 2.1 | 3.1 |

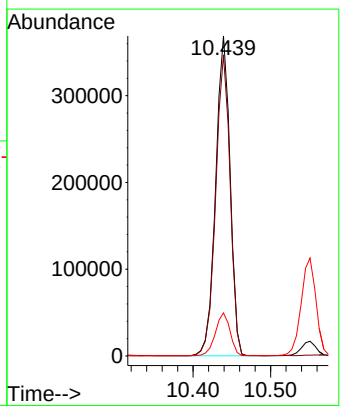


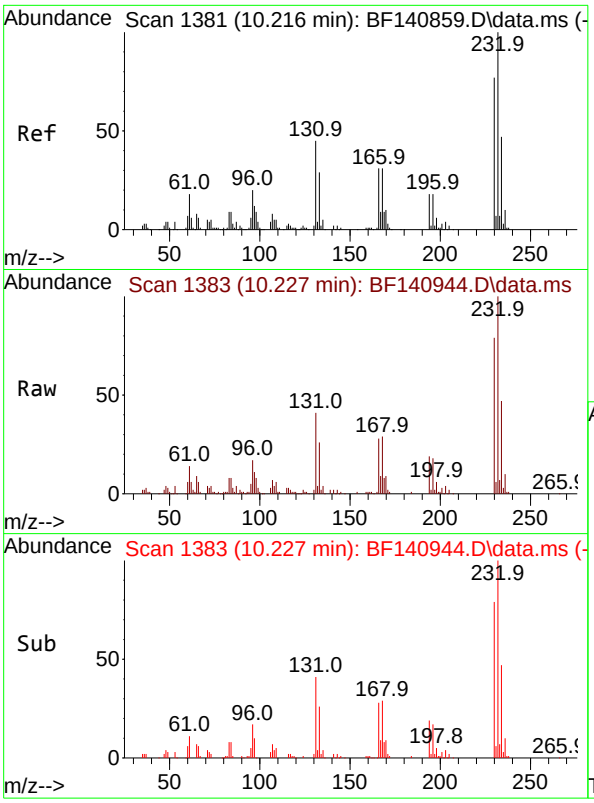




#58
Fluorene
Concen: 46.262 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:166 Resp: 477180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.1 | 75.1 | 112.7 |
| 167 | 13.5 | 11.1 | 16.7 |



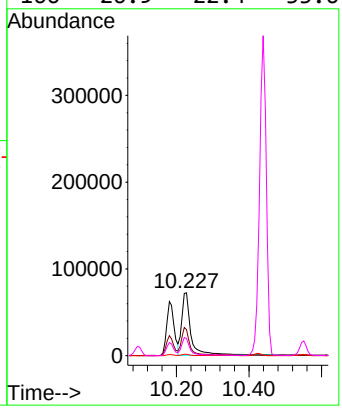


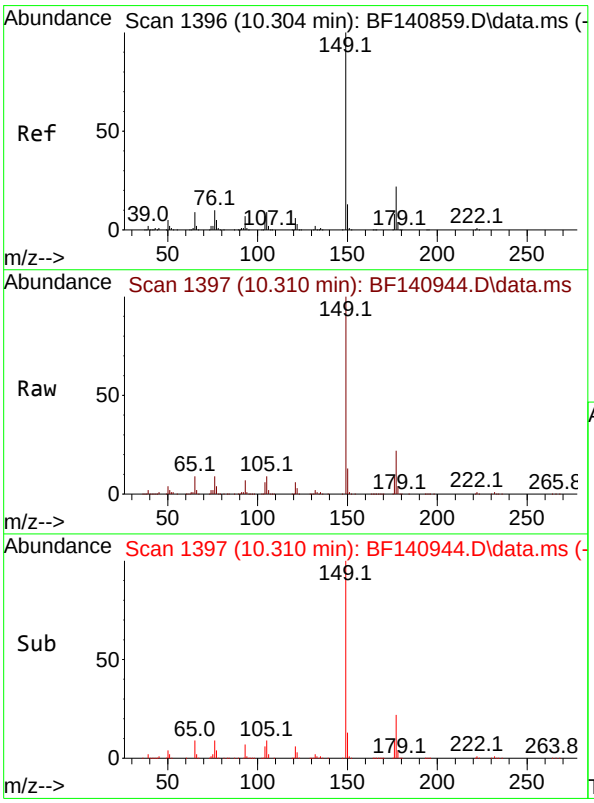

#59
2,3,4,6-Tetrachlorophenol
Concen: 53.557 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:232 Resp: 127554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.3 | 35.1 | 52.7 |
| 130 | 1.9 | 1.8 | 2.8 |
| 166 | 26.9 | 22.4 | 33.6 |

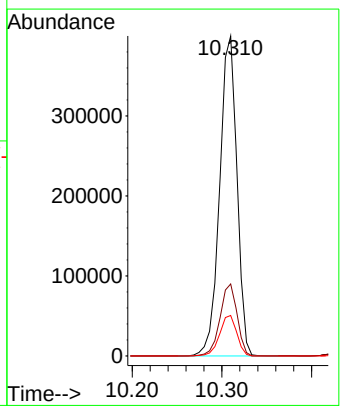


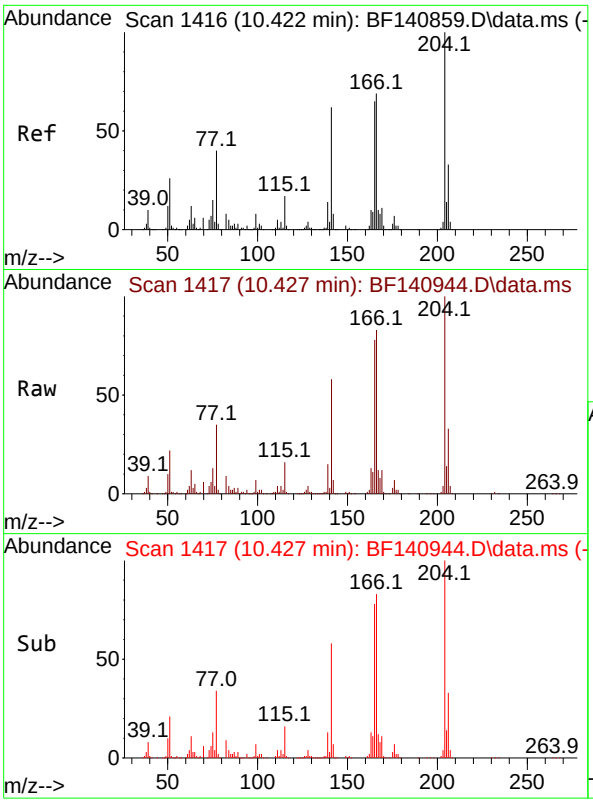




#60
Diethylphthalate
Concen: 51.715 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 534197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 17.2 | 25.8 |
| 150 | 12.7 | 10.1 | 15.1 |



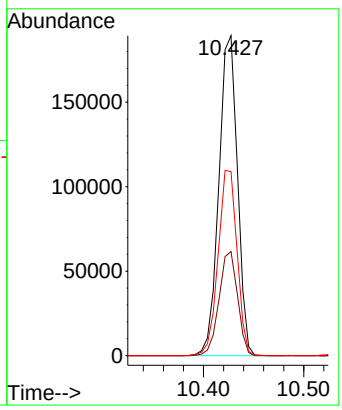


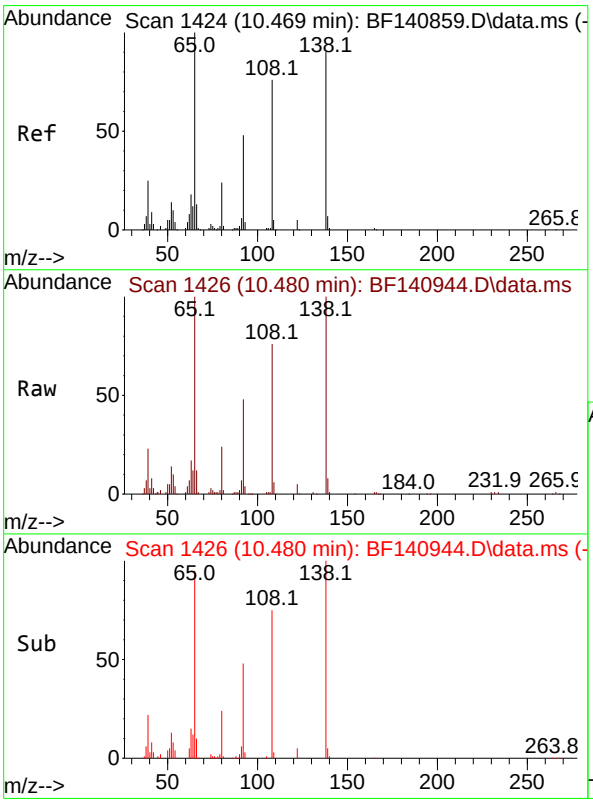

#61
4-Chlorophenyl-phenylether
Concen: 47.046 ng
RT: 10.427 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:204 Resp: 243755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 57.6 | 50.0 | 75.0 |

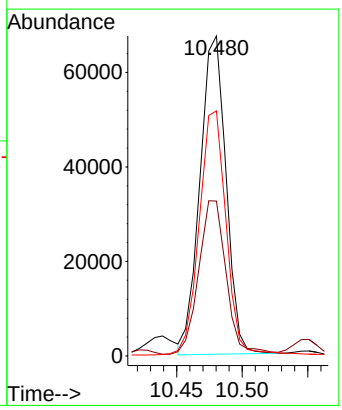


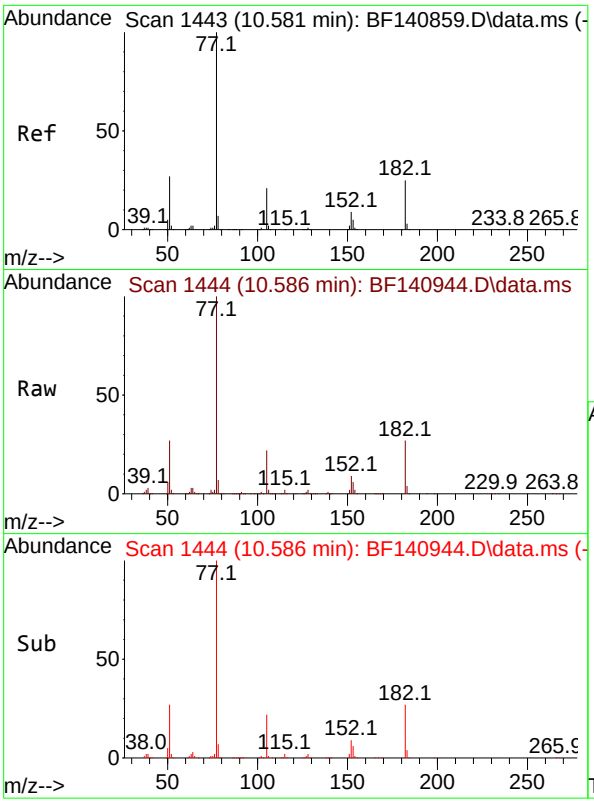




#62
4-Nitroaniline
Concen: 39.481 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:138 Resp: 93240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.4 | 32.6 | 72.6 |
| 108 | 76.6 | 64.1 | 104.1 |



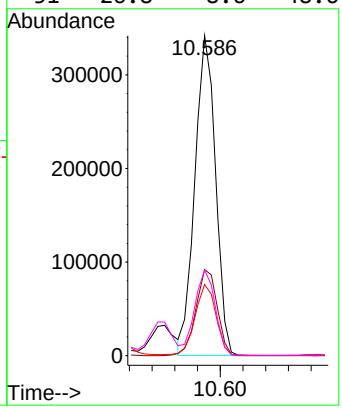


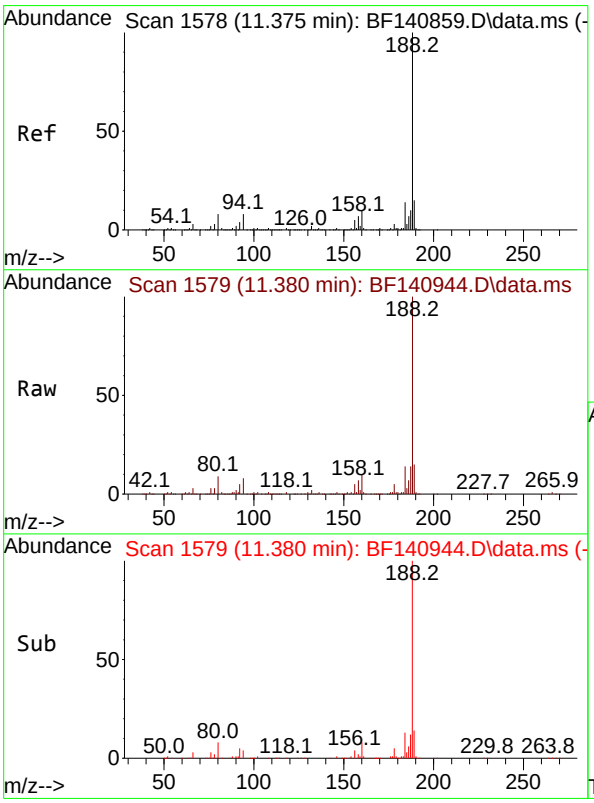

#63
Azobenzene
Concen: 44.427 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion: 77 Resp: 431430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.9 | 4.5 | 44.5 |
| 105 | 22.2 | 0.9 | 40.9 |
| 51 | 26.8 | 8.6 | 48.6 |

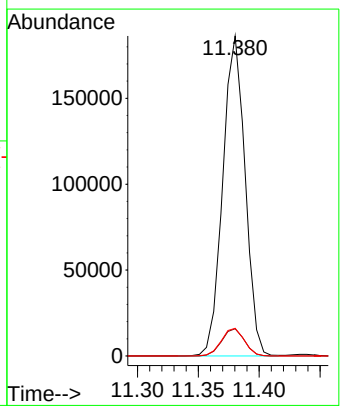


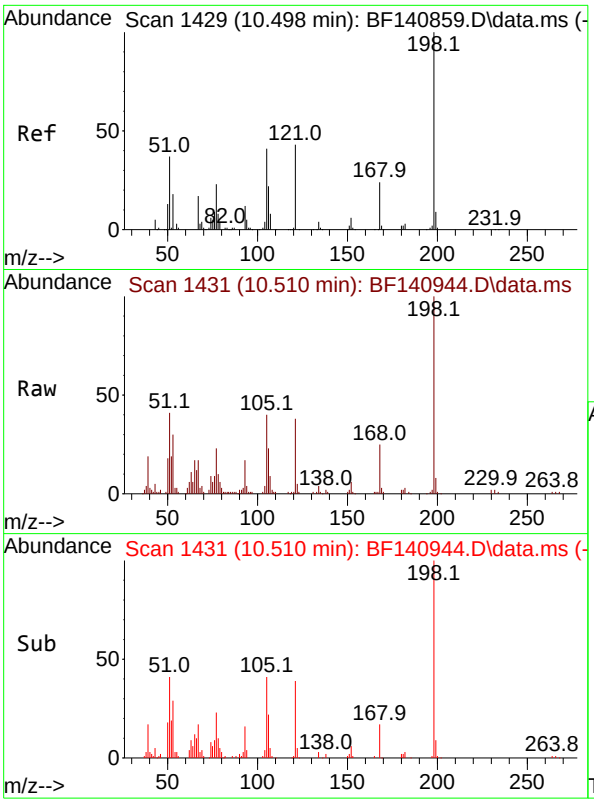




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:188 Resp: 237962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.4 | 9.6 |
| 80 | 8.7 | 6.8 | 10.2 |



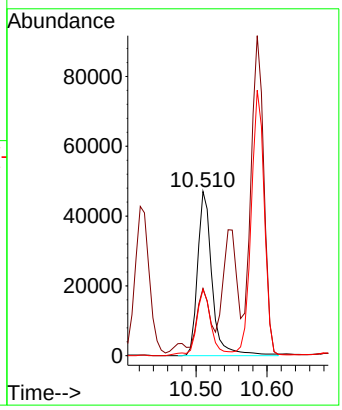


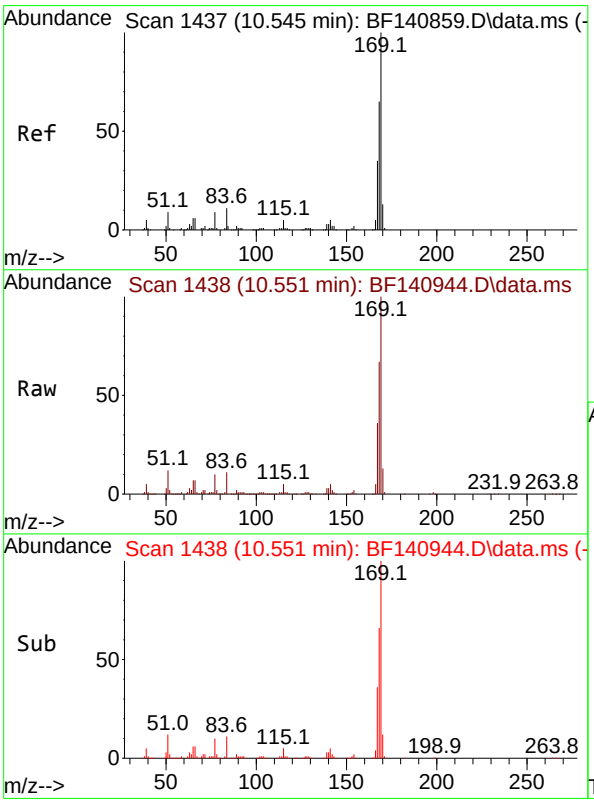

#65
4,6-Dinitro-2-methylphenol
Concen: 49.484 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:198 Resp: 66725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.9 | 24.4 | 64.4 |
| 105 | 40.4 | 22.1 | 62.1 |

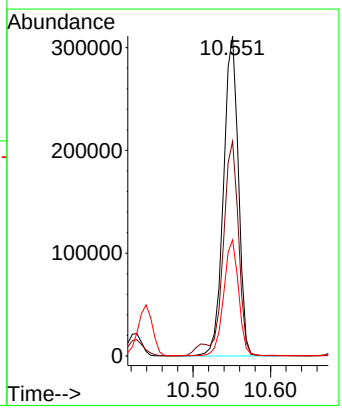


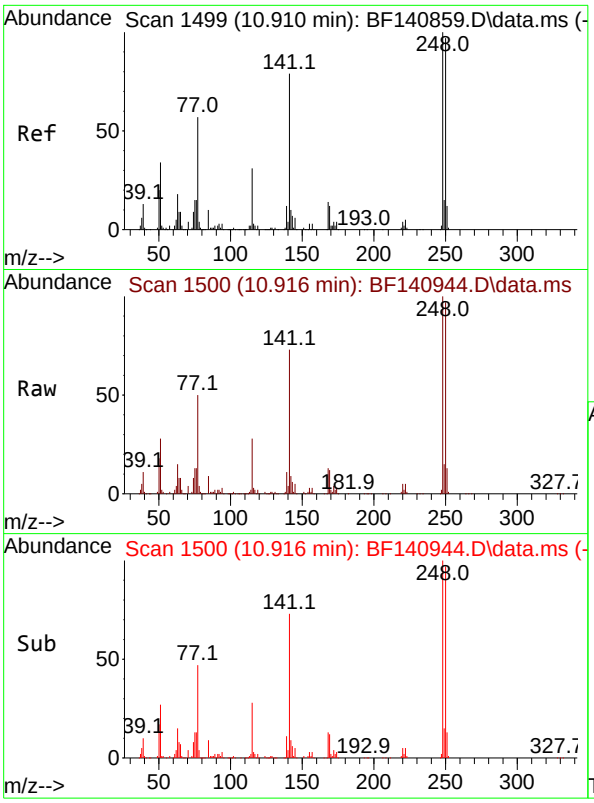




#66
n-Nitrosodiphenylamine
Concen: 56.716 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:169 Resp: 414949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.1 | 53.4 | 80.0 |
| 167 | 36.3 | 28.3 | 42.5 |



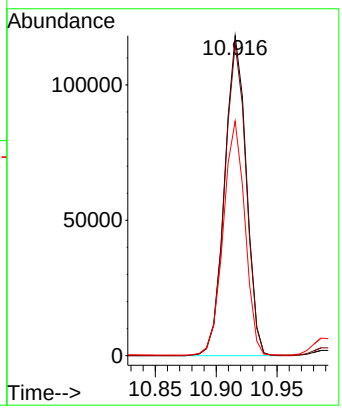


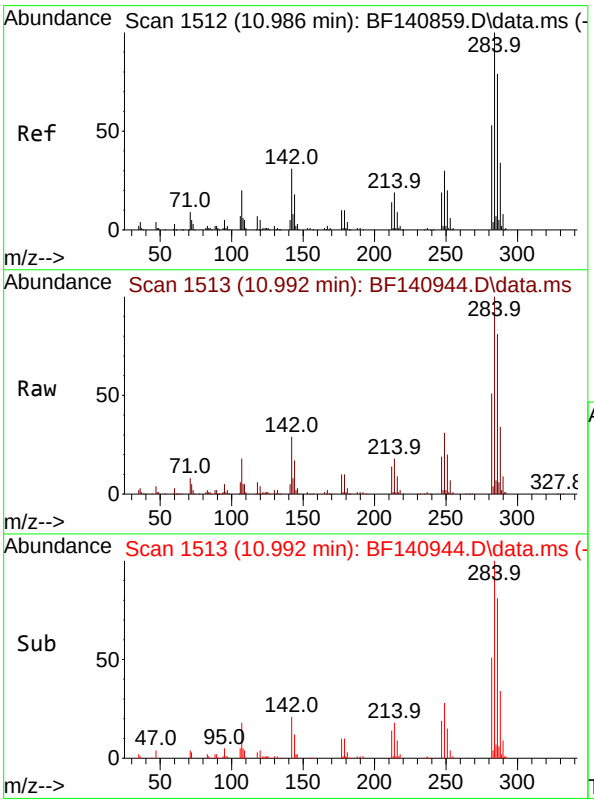

#67
4-Bromophenyl-phenylether
Concen: 55.009 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:248 Resp: 146442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.4 | 116.2 |
| 141 | 73.3 | 62.9 | 94.3 |

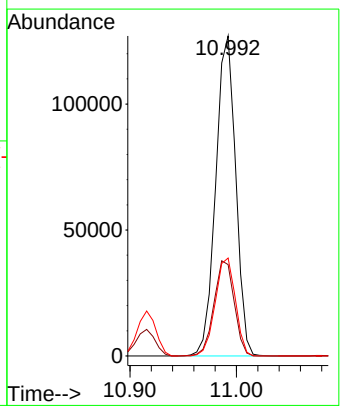


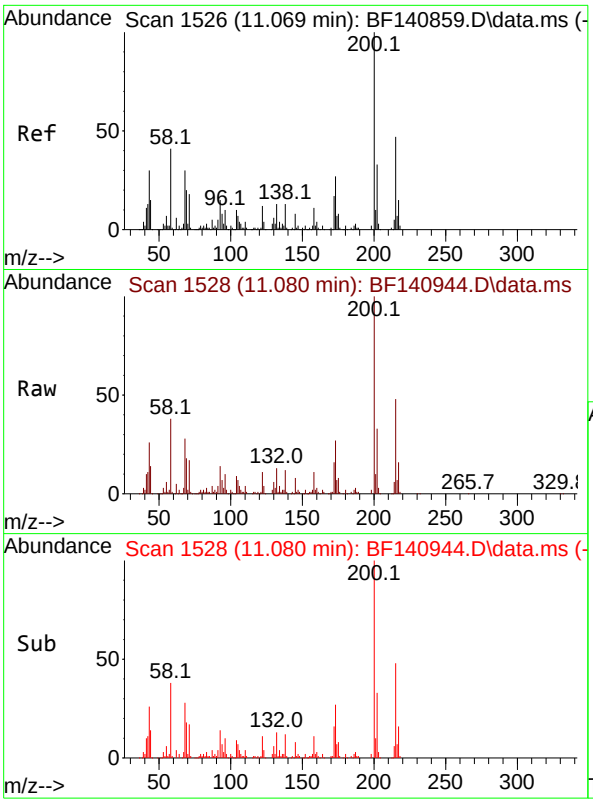




#68
Hexachlorobenzene
Concen: 54.744 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:284 Resp: 165233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.6 | 24.6 | 36.8 |
| 249 | 30.6 | 24.3 | 36.5 |



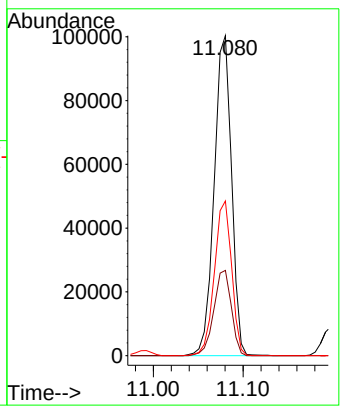


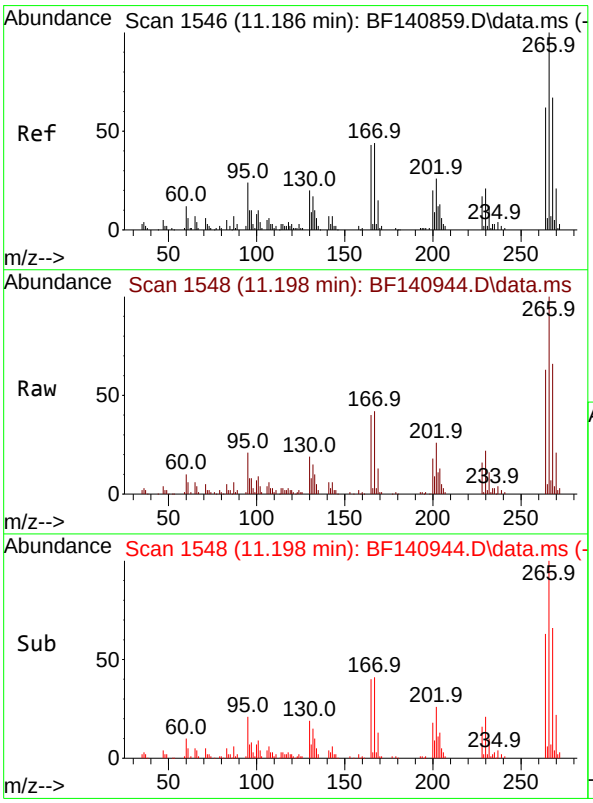

#69
Atrazine
Concen: 65.919 ng
RT: 11.080 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:200 Resp: 134695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 6.6 | 46.6 |
| 215 | 48.4 | 26.7 | 66.7 |

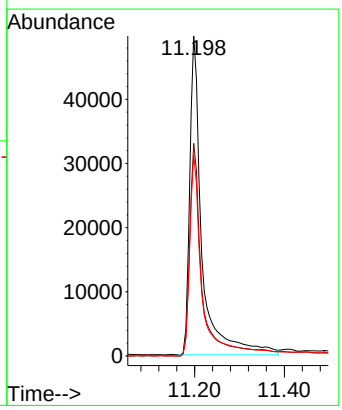


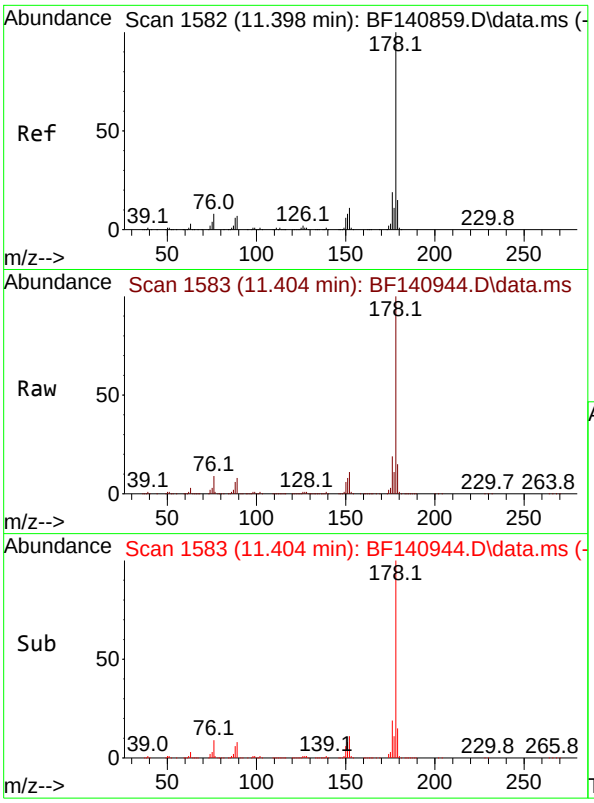




#70
Pentachlorophenol
Concen: 85.812 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:266 Resp: 94695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.4 | 54.0 | 81.0 |
| 264 | 62.9 | 49.4 | 74.2 |



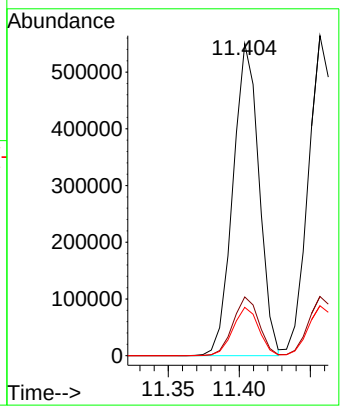


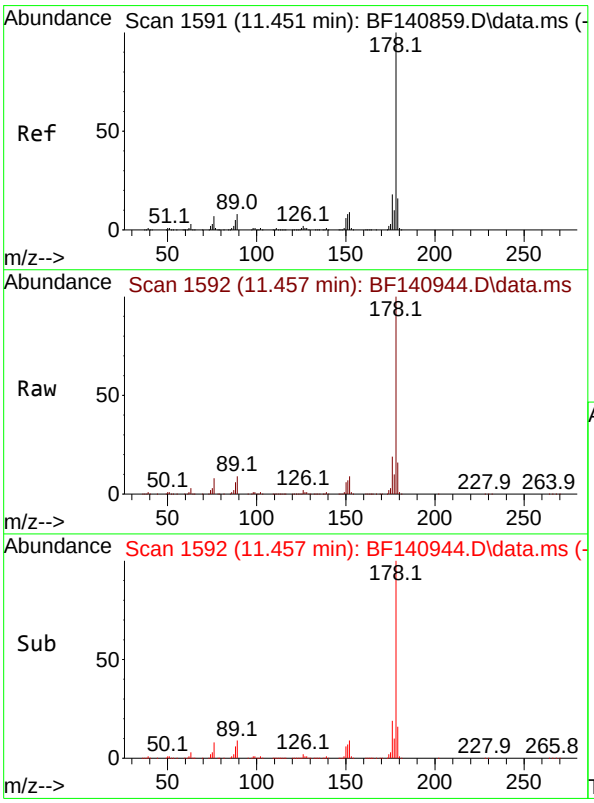

#71
Phenanthrene
Concen: 57.320 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:178 Resp: 701422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.4 | 23.2 |
| 179 | 15.5 | 12.1 | 18.1 |

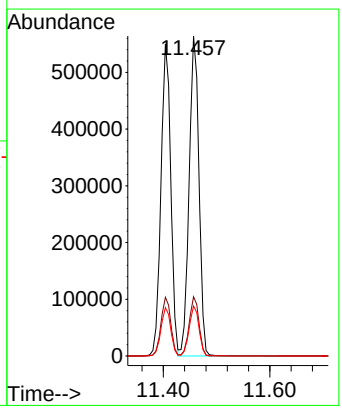


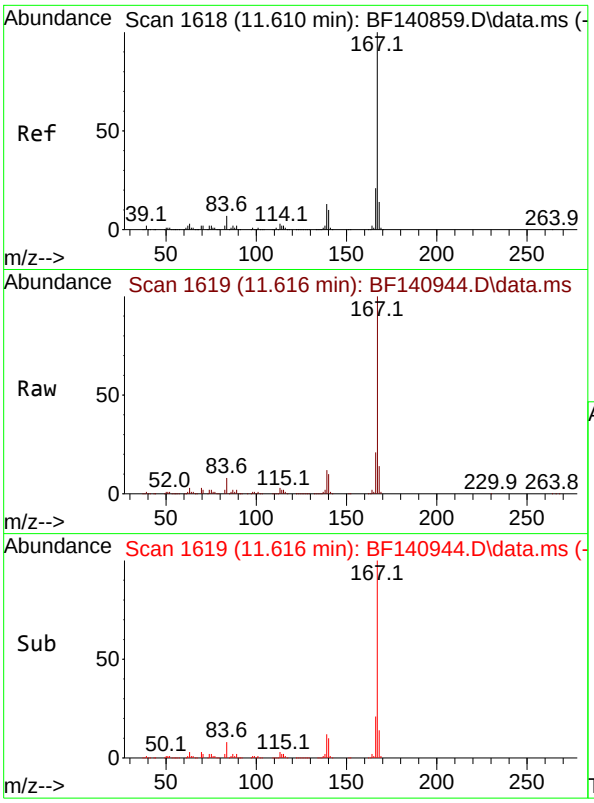




#72
Anthracene
Concen: 60.212 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:178 Resp: 725617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.6 | 22.0 |
| 179 | 15.6 | 12.6 | 18.8 |



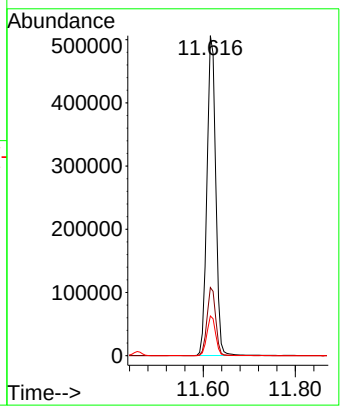


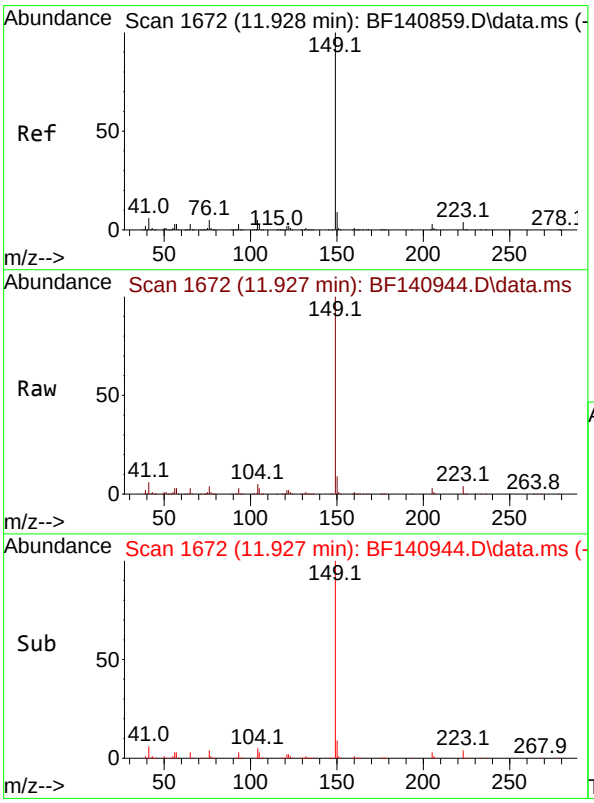

#73
Carbazole
Concen: 57.096 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:167 Resp: 673948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.4 | 10.2 | 15.2 |

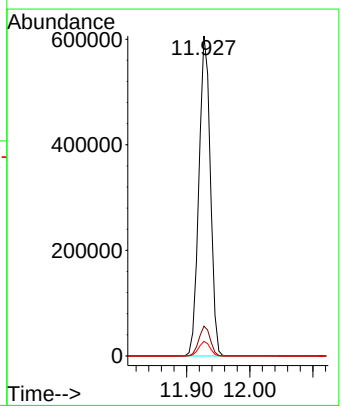


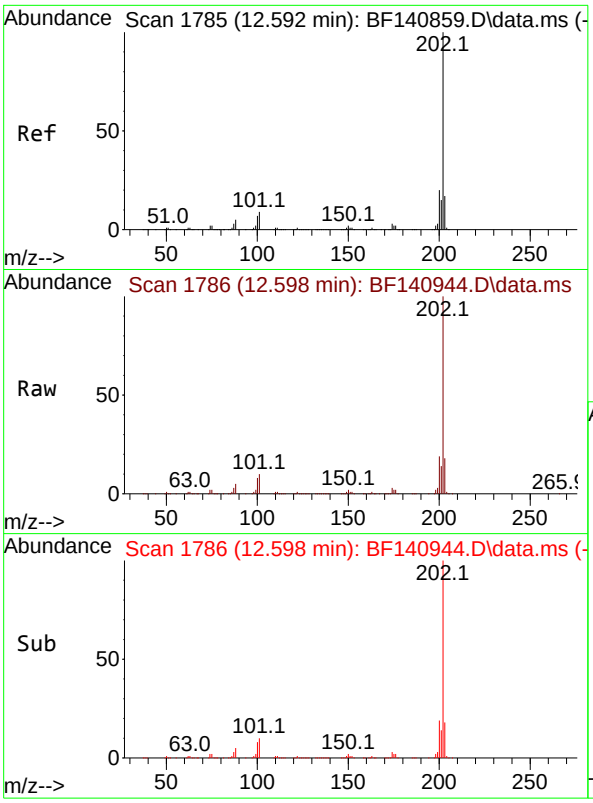




#74
Di-n-butylphthalate
Concen: 55.119 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 763567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |



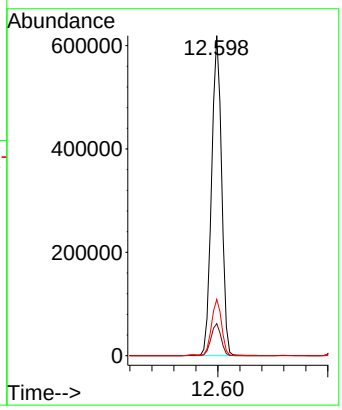


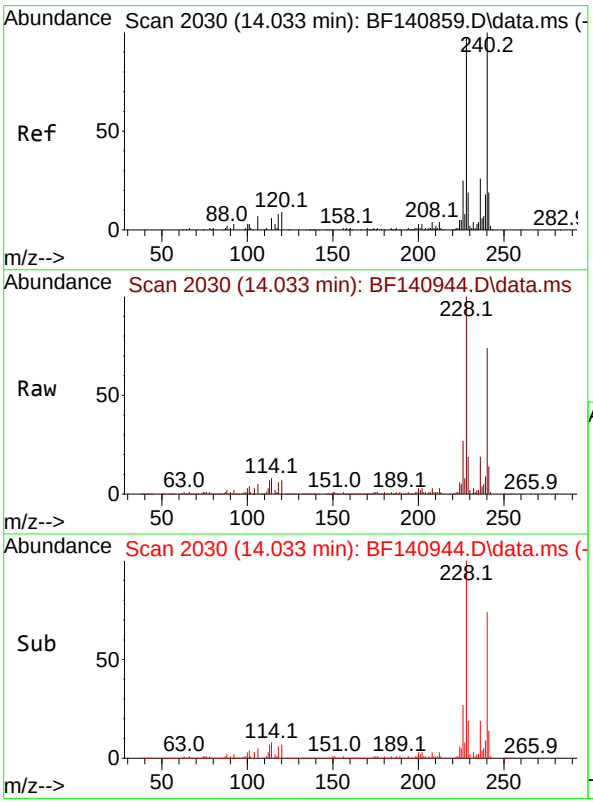

#75
Fluoranthene
Concen: 55.813 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:202 Resp: 786570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 29.3 |
| 203 | 17.6 | 0.0 | 37.4 |

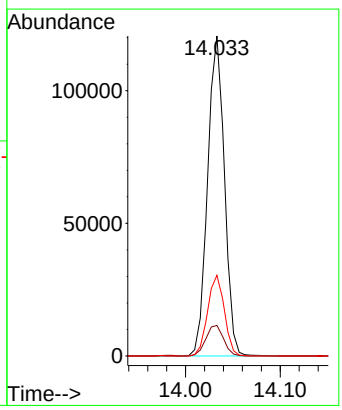


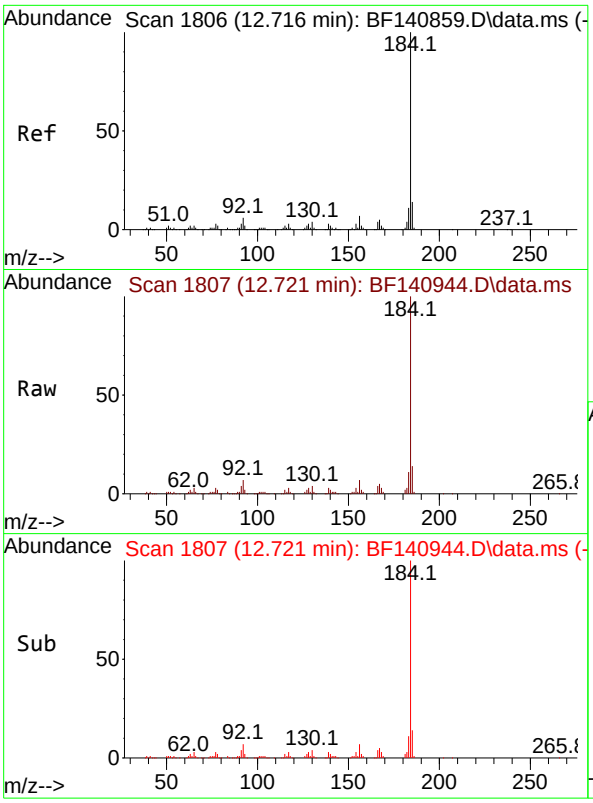




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:240 Resp: 149220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 25.2 | 20.5 | 30.7 |



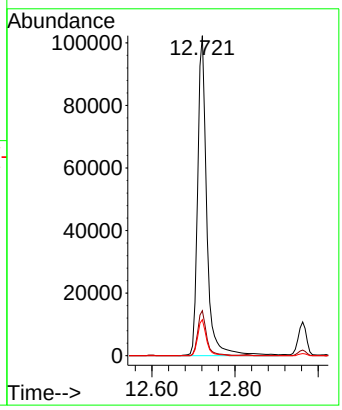


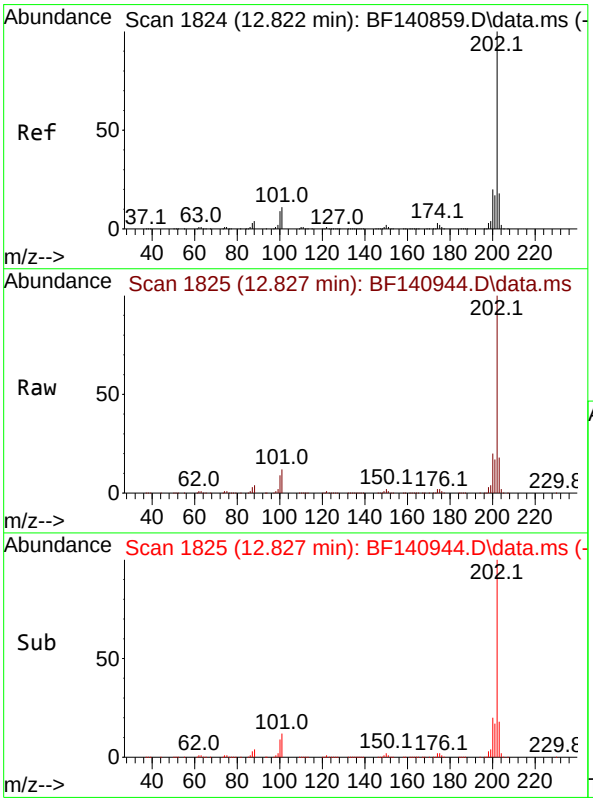

#77
Benzidine
Concen: 51.217 ng
RT: 12.721 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:184 Resp: 155983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.1 | 16.7 |
| 183 | 11.2 | 9.0 | 13.4 |

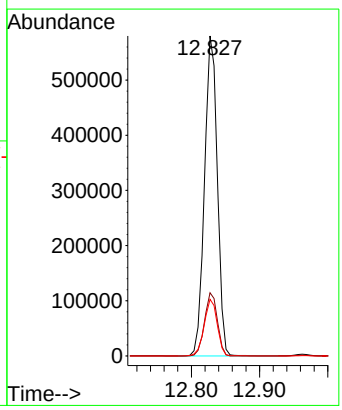


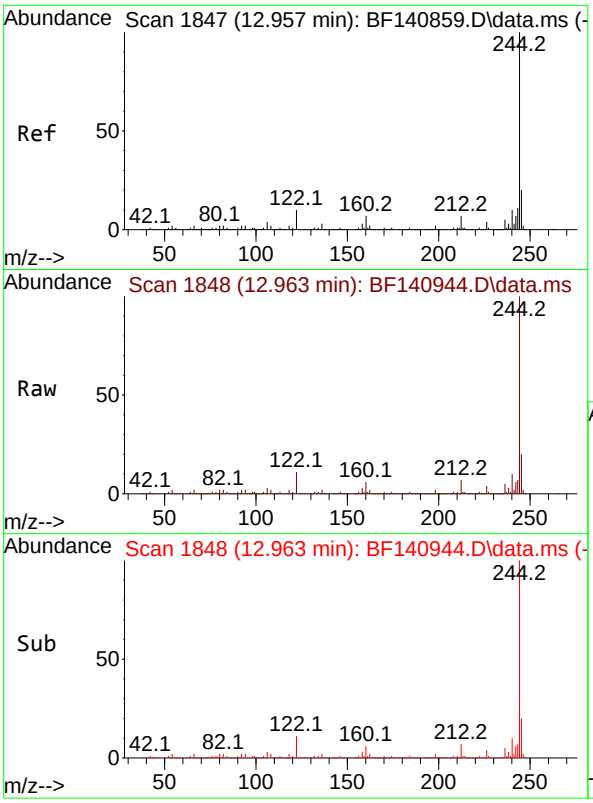




#78
Pyrene
Concen: 57.177 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:202 Resp: 758712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 16.1 | 24.1 |
| 203 | 17.7 | 14.2 | 21.4 |



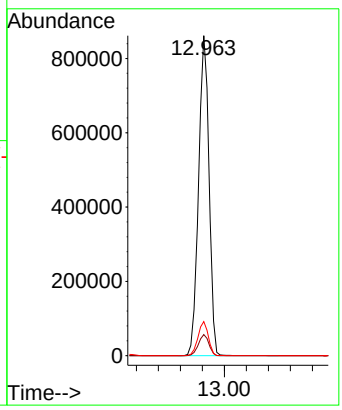


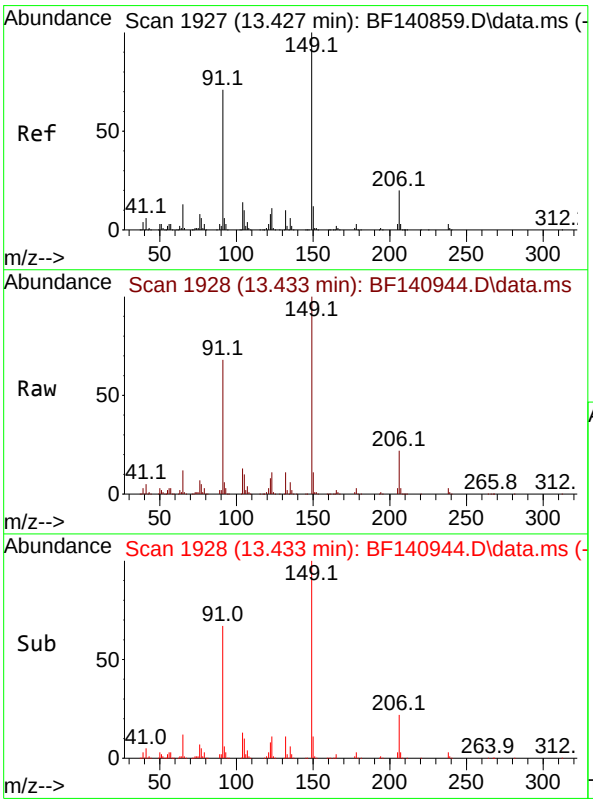

#79
Terphenyl-d14
Concen: 120.524 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:244 Resp: 1140526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.6 | 8.4 |
| 122 | 10.6 | 8.2 | 12.2 |

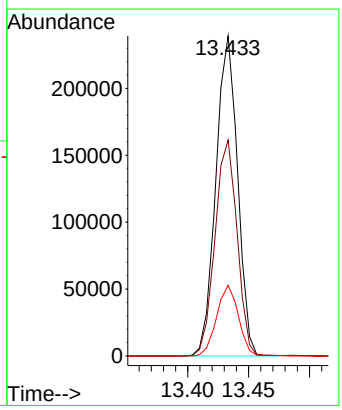


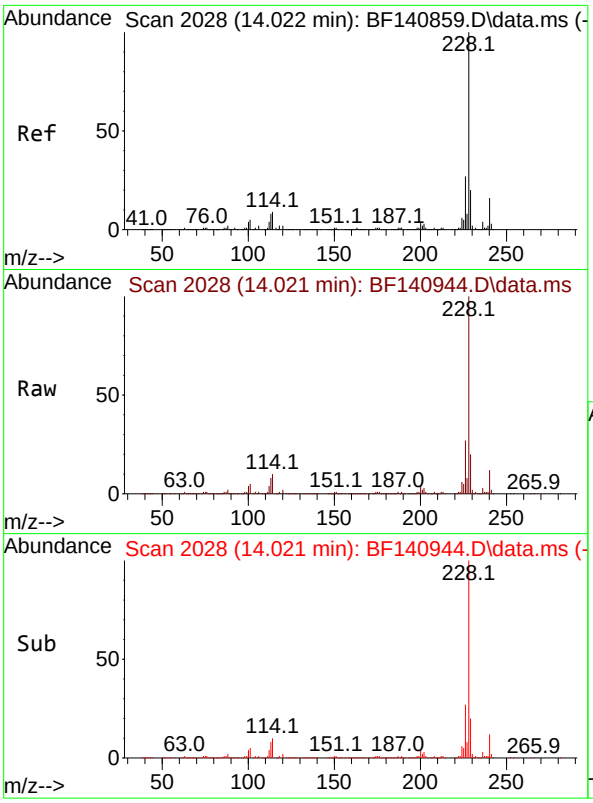




#80
Butylbenzylphthalate
Concen: 60.922 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 297455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.5 | 56.7 | 85.1 |
| 206 | 22.1 | 16.4 | 24.6 |



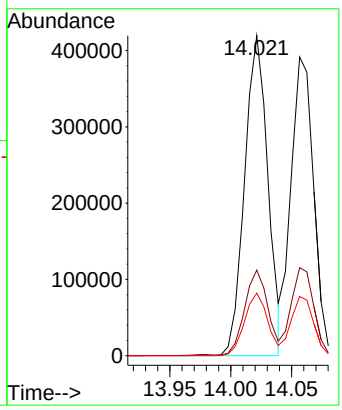


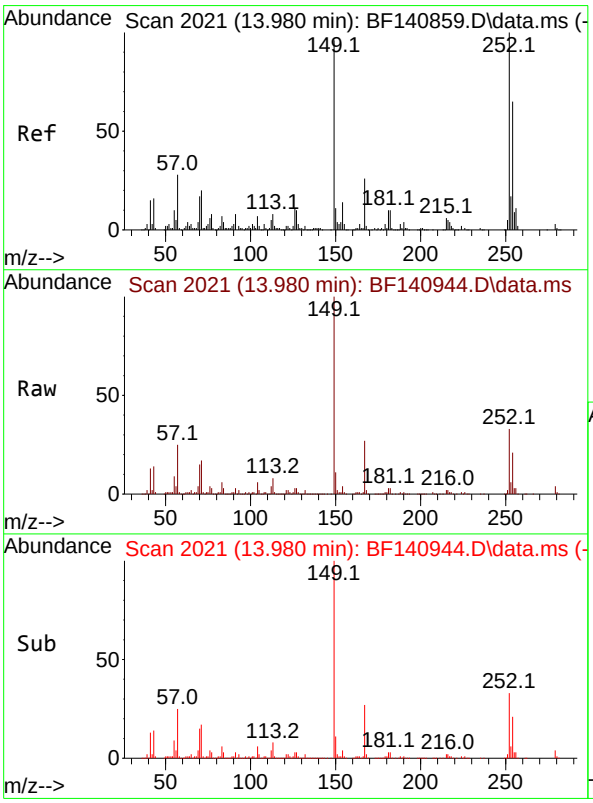

#81
Benzo(a)anthracene
Concen: 52.753 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:228 Resp: 557901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |

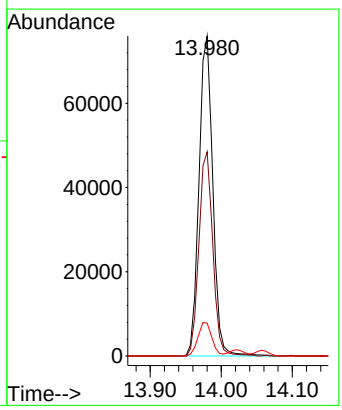


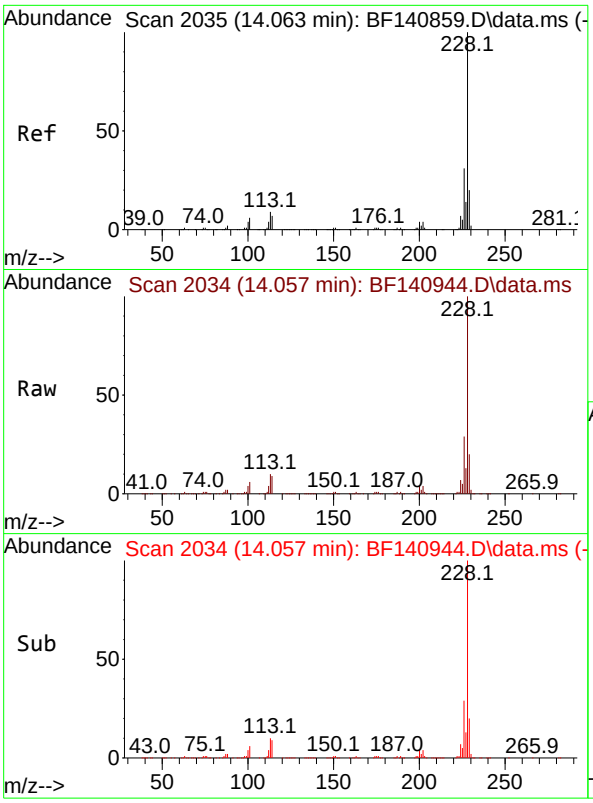




#82
3,3'-Dichlorobenzidine
Concen: 32.279 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 102996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 52.3 | 78.5 |
| 126 | 10.3 | 8.4 | 12.6 |



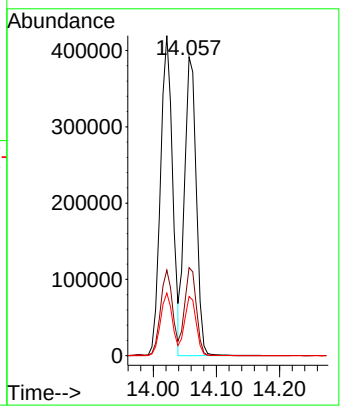


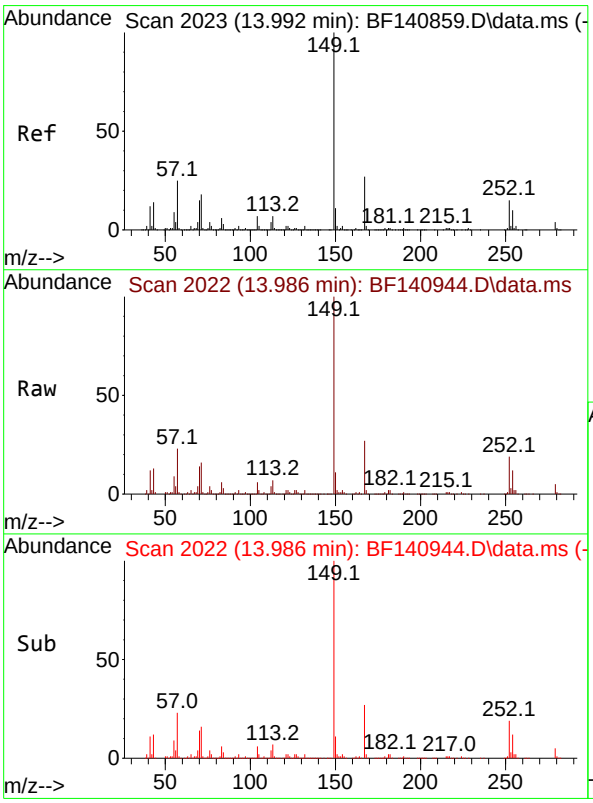

#83
Chrysene
Concen: 52.875 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:228 Resp: 508492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

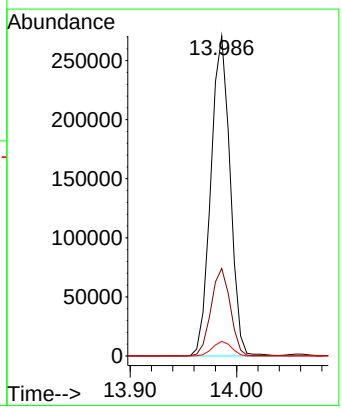


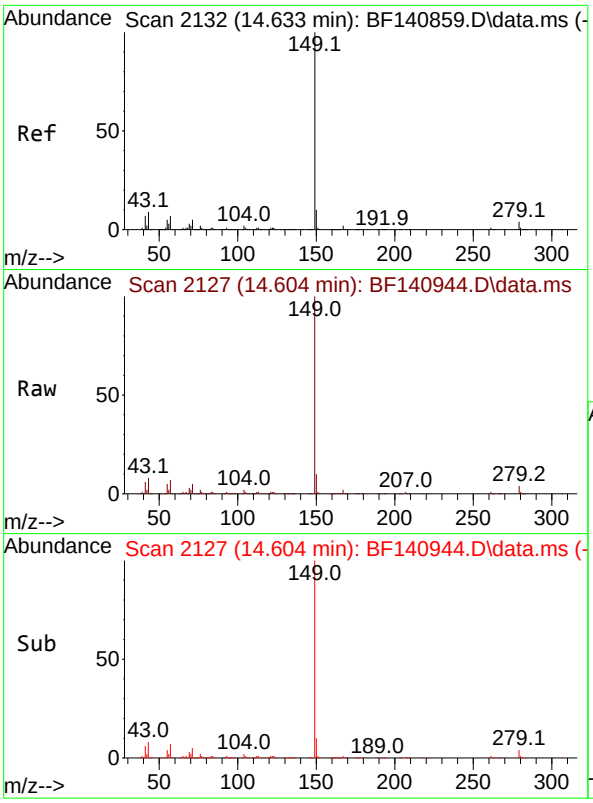




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.941 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 339592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.8 | 32.8 |
| 279 | 4.6 | 3.5 | 5.3 |



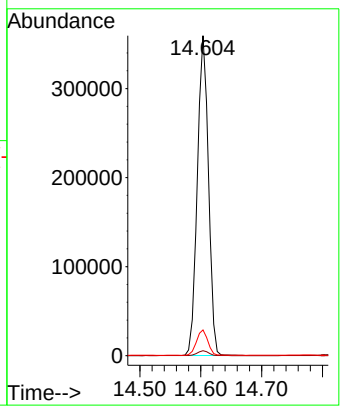


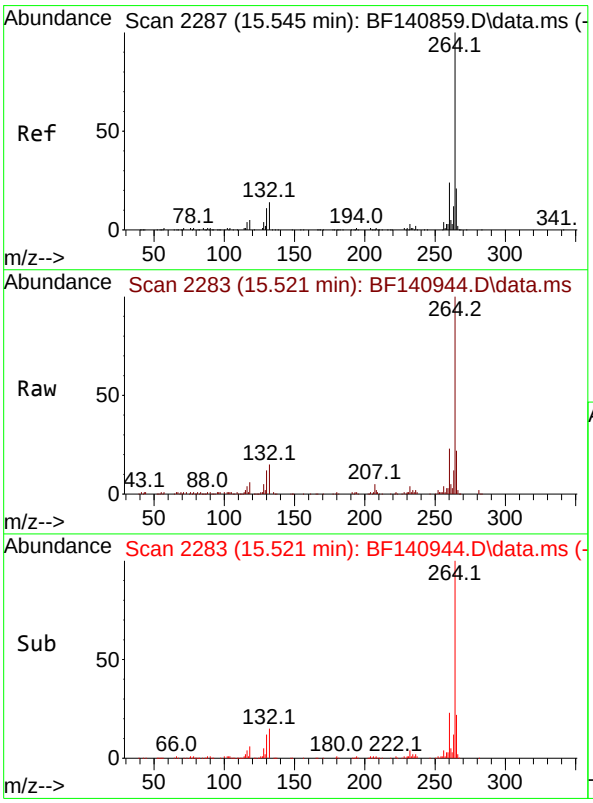

#85
Di-n-octyl phthalate
Concen: 47.866 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:149 Resp: 455909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |

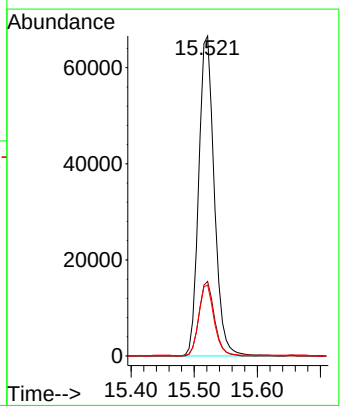


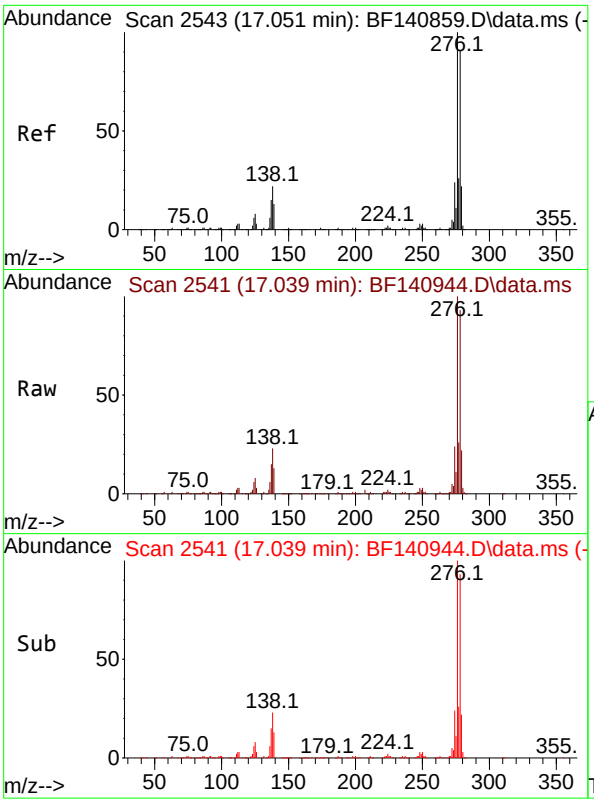




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:264 Resp: 113763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.1 | 28.7 |
| 265 | 22.2 | 17.0 | 25.4 |



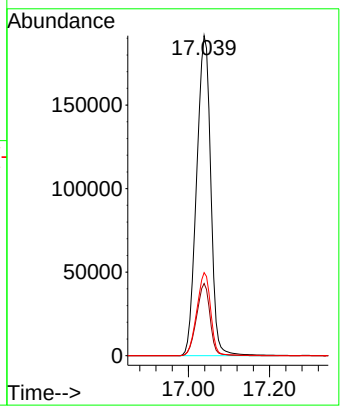


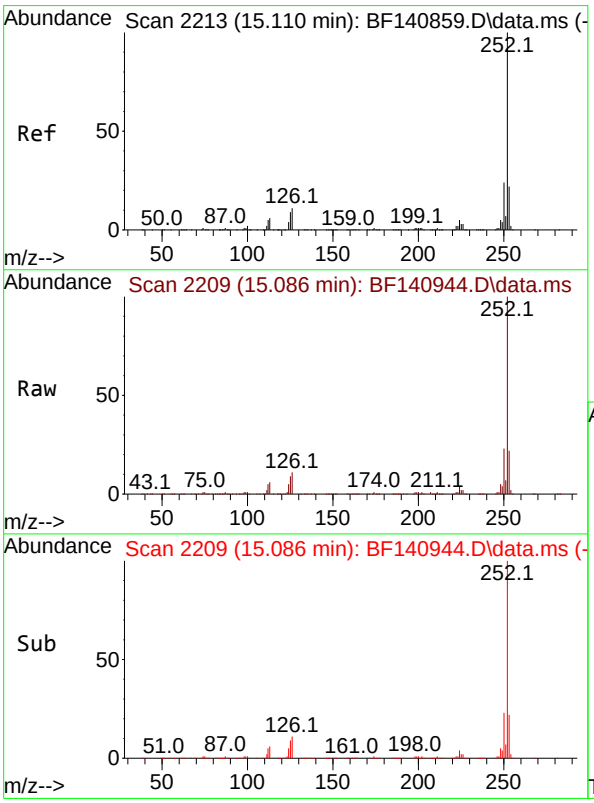

#87
Indeno(1,2,3-cd)pyrene
Concen: 65.266 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:276 Resp: 463336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.5 | 16.9 | 25.3 |
| 277 | 25.4 | 20.2 | 30.4 |

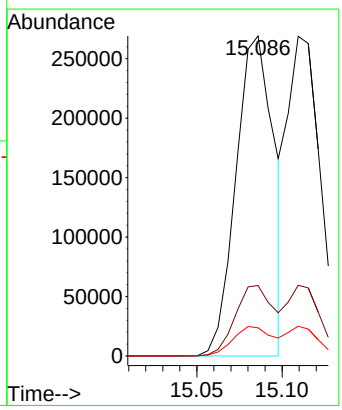


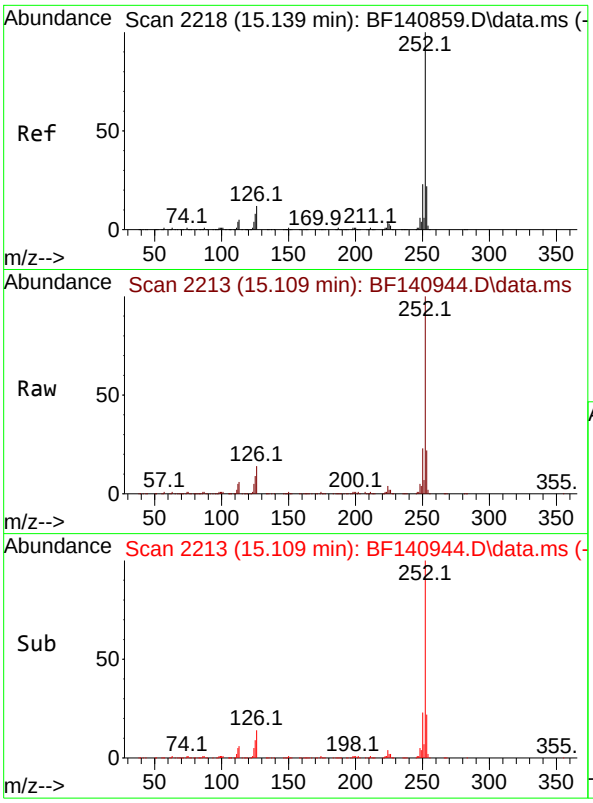




#88
Benzo(b)fluoranthene
Concen: 52.828 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 417172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 8.8 | 7.0 | 10.4 |



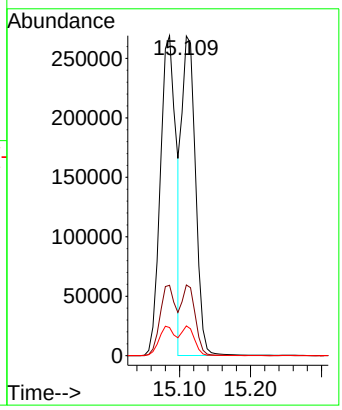


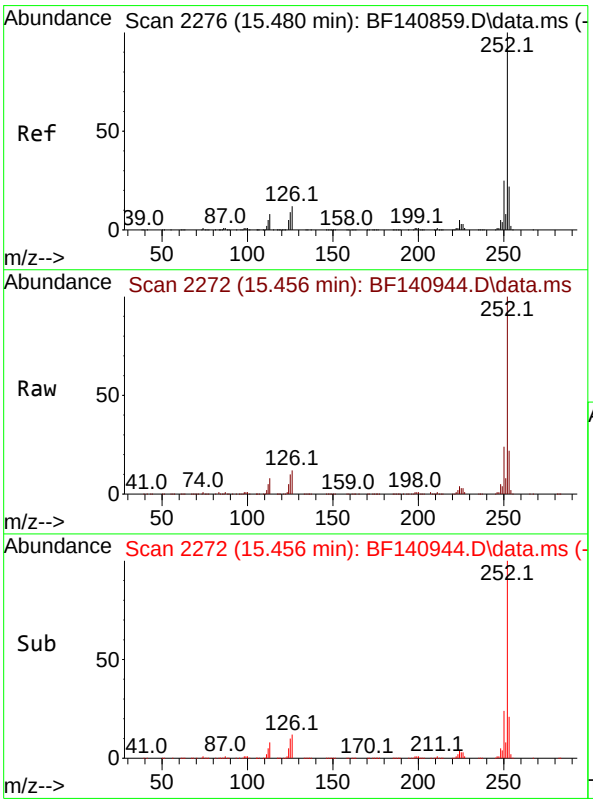

#89
Benzo(k)fluoranthene
Concen: 53.216 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:252 Resp: 360481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.3 | 6.8 | 10.2 |

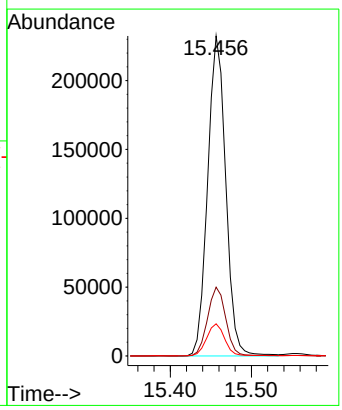


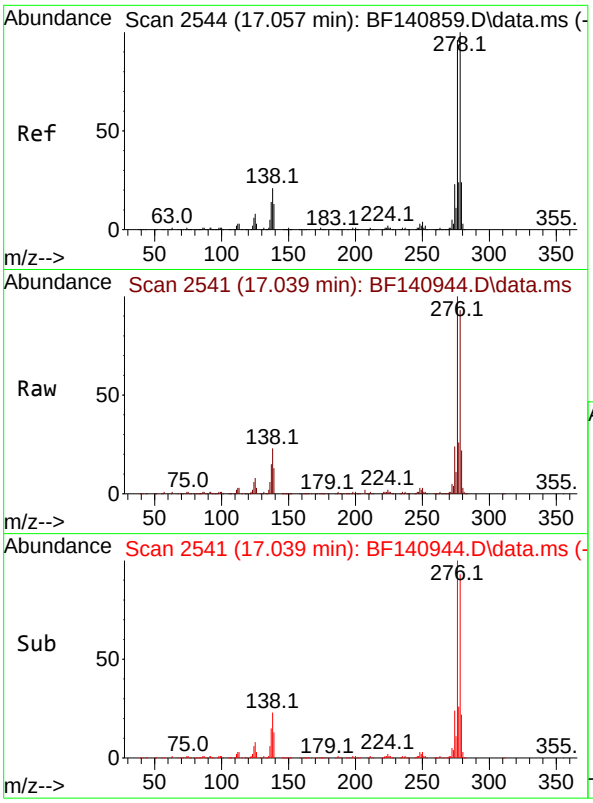




#90
Benzo(a)pyrene
Concen: 58.181 ng
RT: 15.456 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:252 Resp: 359761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 10.0 | 7.5 | 11.3 |



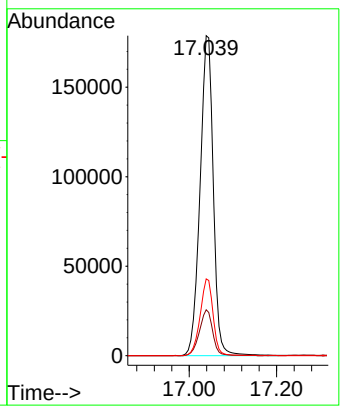


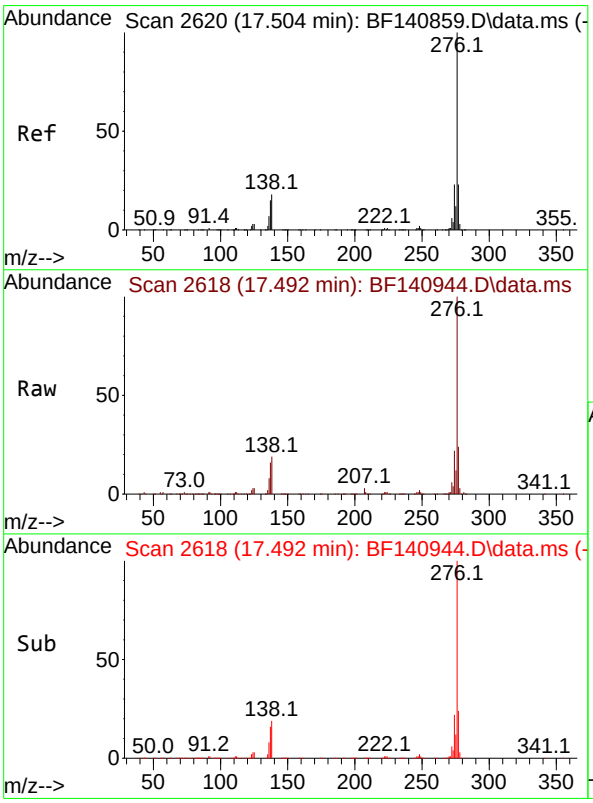

#91
Dibenzo(a,h)anthracene
Concen: 64.223 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB165705BS

Tgt Ion:278 Resp: 377716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.4 | 10.6 | 16.0 |
| 279 | 24.0 | 19.2 | 28.8 |

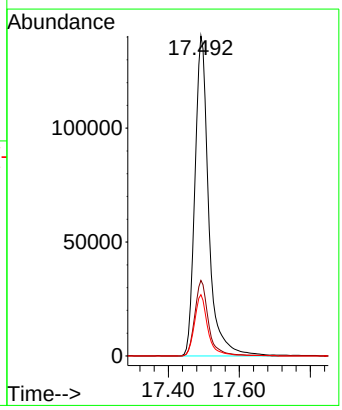



#92
Benzo(g,h,i)perylene
Concen: 63.386 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:276 Resp: 379421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.7 | 28.1 |
| 138 | 19.2 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 55385 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 209218 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 115521 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 219277 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 133308 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 114231 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 442109 | 131.406 | ng | | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 599050 | 134.430 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 372228 | 89.012 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 167201 | 122.376 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 705412 | 83.953 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 769721 | 91.048 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 57898 | 39.952 | ng | | 98 |
| 3) Pyridine | 3.487 | 79 | 147343 | 43.903 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.440 | 42 | 73891 | 43.674 | ng | | 95 |
| 6) Aniline | 6.516 | 93 | 152345 | 39.984 | ng | # | 72 |
| 8) 2-Chlorophenol | 6.645 | 128 | 202633 | 55.230 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 38178 | 15.462 | ng | | 92 |
| 10) Phenol | 6.516 | 94 | 259118 | 56.104 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 180043 | 52.272 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 210487 | 50.348 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 216818 | 51.092 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 203761 | 50.890 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 175492 | 55.078 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 208259 | 51.327 | ng | | 91 |
| 17) 2-Methylphenol | 7.122 | 107 | 160183 | 54.685 | ng | | 99 |
| 18) Hexachloroethane | 7.351 | 117 | 77377 | 48.978 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 140269 | 52.475 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 218873 | 56.350 | ng | # | 80 |
| 22) Acetophenone | 7.263 | 105 | 281478 | 53.782 | ng | | 94 |
| 24) Nitrobenzene | 7.440 | 77 | 213867 | 49.921 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 358474 | 51.161 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 110125 | 55.813 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 151216 | 65.624 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 221616 | 50.641 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 170278 | 53.525 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 174689 | 47.901 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 576356 | 50.150 | ng | | 100 |
| 32) Benzoic acid | 7.945 | 122 | 79916 | 36.568 | ng | | 95 |
| 33) 4-Chloroaniline | 8.210 | 127 | 86711 | 22.717 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 112396 | 45.808 | ng | | 99 |
| 35) Caprolactam | 8.592 | 113 | 38523 | 40.675 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 176282 | 49.233 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 369738 | 48.635 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 347475 | 46.215 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 184825 | 52.053 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 34644 | 40.992 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 110805 | 50.964 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

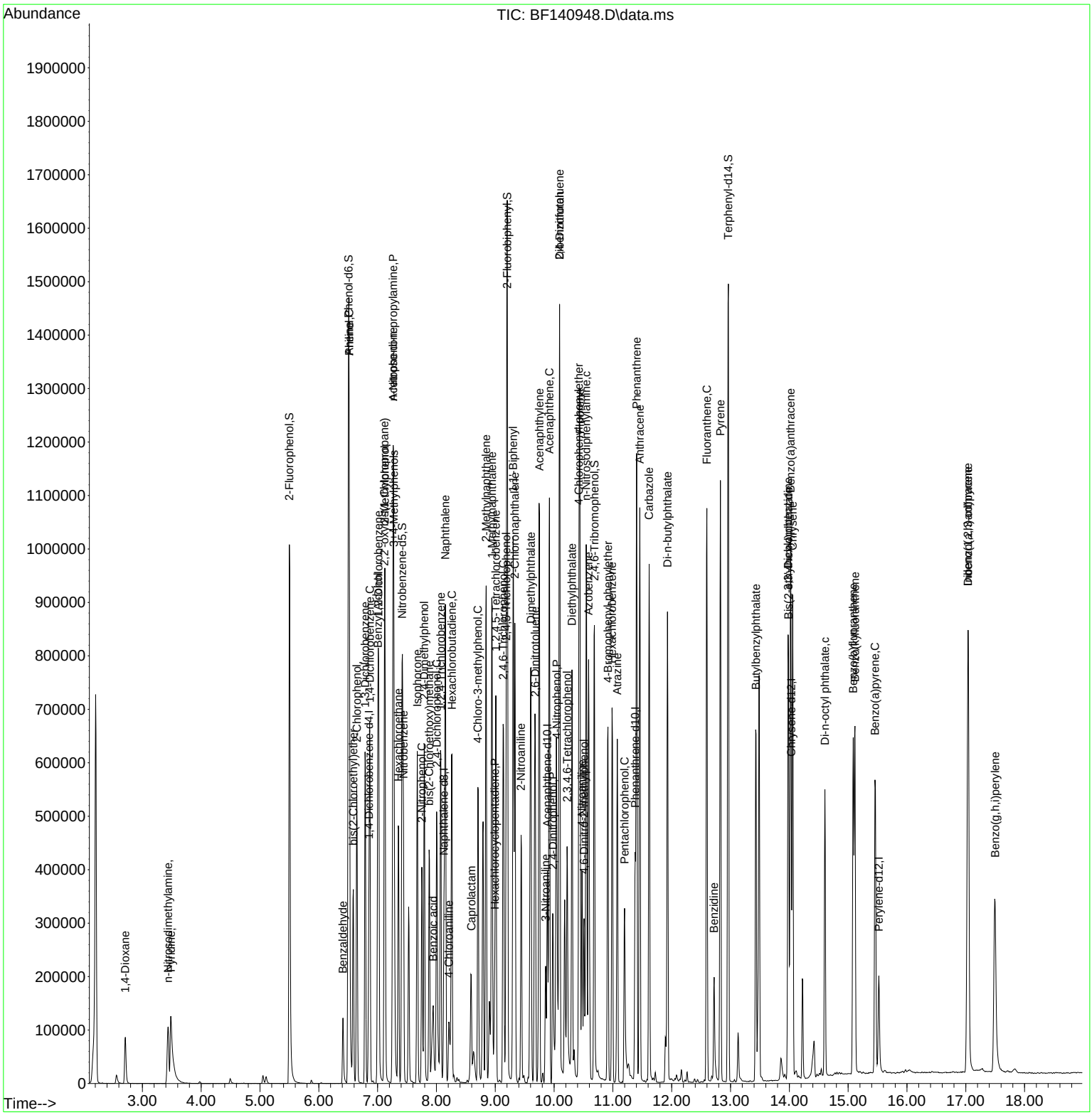
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 117901 | 49.337 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 472666 | 51.455 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 352165 | 50.113 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 109079 | 51.395 | ng | 94 |
| 49) Acenaphthylene | 9.751 | 152 | 576620 | 55.834 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 409034 | 50.222 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 92478 | 49.668 | ng | 94 |
| 52) Acenaphthene | 9.922 | 154 | 351200 | 53.237 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 55538 | 30.057 | ng | 94 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 87671 | 95.155 | ng | 90 |
| 55) Dibenzofuran | 10.092 | 168 | 537457 | 52.577 | ng | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 83327 | 83.625 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 127795 | 52.166 | ng | 98 |
| 58) Fluorene | 10.439 | 166 | 428757 | 50.841 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 101786 | 52.272 | ng | 92 |
| 60) Diethylphthalate | 10.304 | 149 | 405299 | 47.990 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 212840 | 50.243 | ng | 96 |
| 62) 4-Nitroaniline | 10.475 | 138 | 90228 | 46.729 | ng | 95 |
| 63) Azobenzene | 10.586 | 77 | 429196 | 54.056 | ng | 94 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 70374 | 56.637 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 372378 | 55.234 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 124883 | 50.908 | ng | 97 |
| 68) Hexachlorobenzene | 10.986 | 284 | 138231 | 49.700 | ng | 98 |
| 69) Atrazine | 11.075 | 200 | 116856 | 62.062 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 78972 | 77.662 | ng | 98 |
| 71) Phenanthrene | 11.404 | 178 | 628319 | 55.721 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 597017 | 53.762 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 569460 | 52.355 | ng | 99 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 638255 | 49.999 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 637105 | 49.060 | ng | 100 |
| 77) Benzidine | 12.722 | 184 | 125211 | 46.021 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 665883 | 56.171 | ng | 99 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 231762 | 53.133 | ng | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 492886 | 52.168 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.980 | 252 | 81414 | 28.561 | ng | 97 |
| 83) Chrysene | 14.057 | 228 | 441907 | 51.436 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 267856 | 47.624 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 365090 | 42.906 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.039 | 276 | 474317 | 66.539 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 381086 | 48.060 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.116 | 252 | 373879 | 54.968 | ng | 100 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 355872 | 57.316 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 390092 | 66.055 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.498 | 276 | 373367 | 62.119 | ng | 99 |

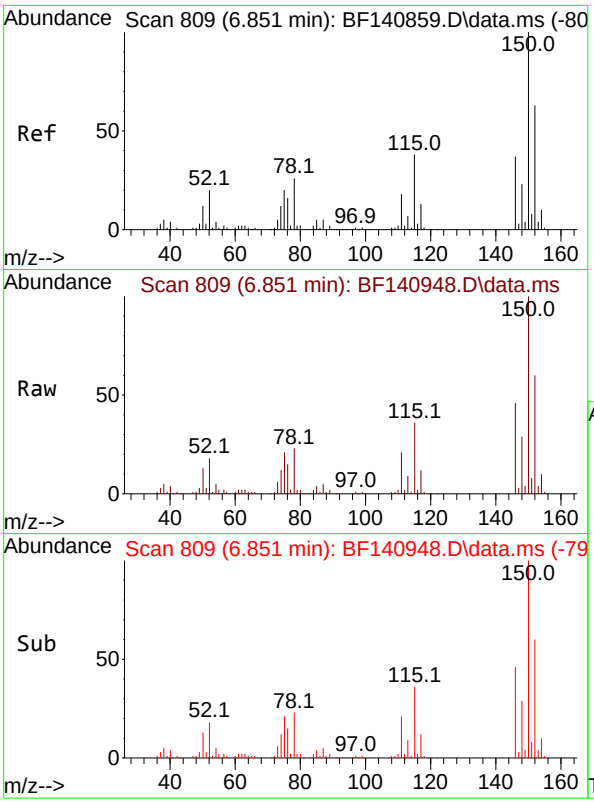
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



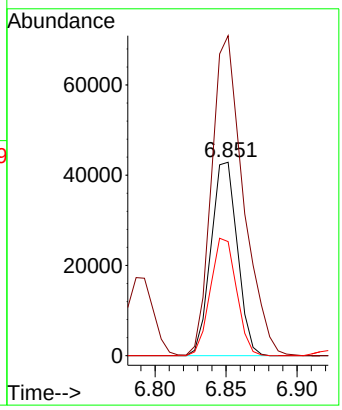


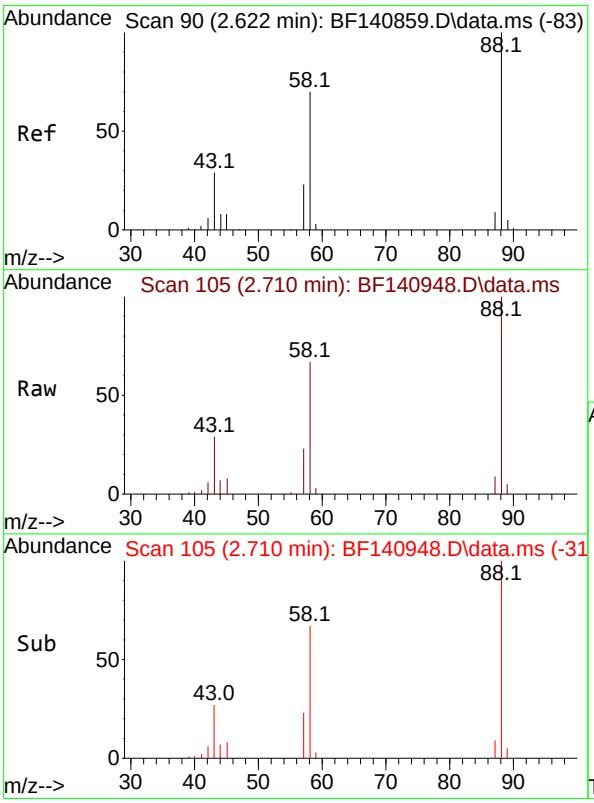

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:152 Resp: 55385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 165.5 | 127.9 | 191.9 |
| 115 | 59.0 | 48.0 | 72.0 |

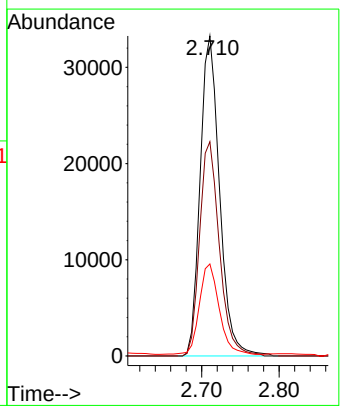


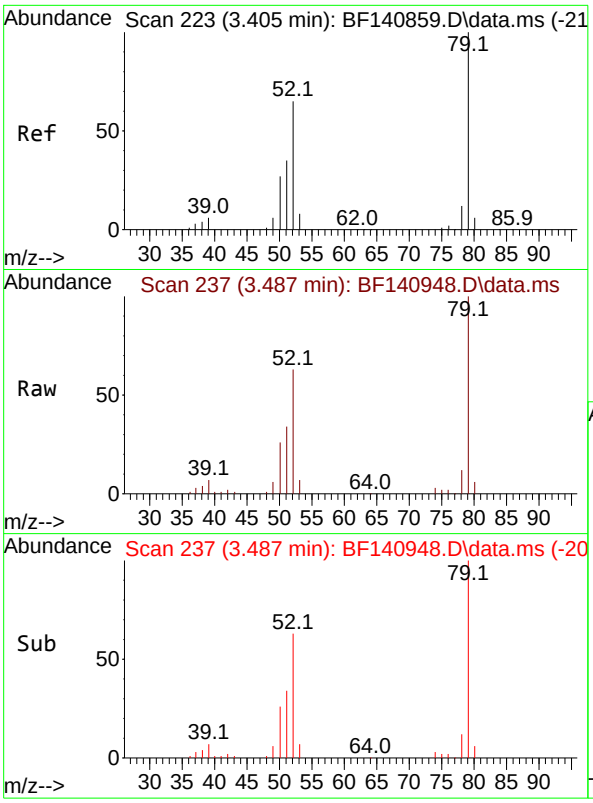




#2
1,4-Dioxane
Concen: 39.952 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 88 Resp: 57898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.2 | 55.8 | 83.8 |
| 43 | 29.7 | 22.7 | 34.1 |



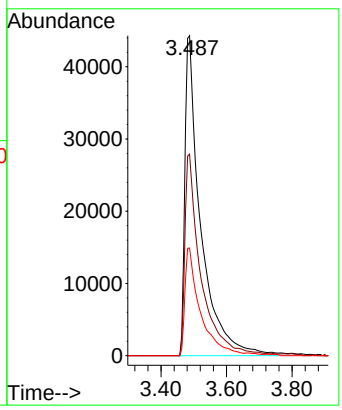


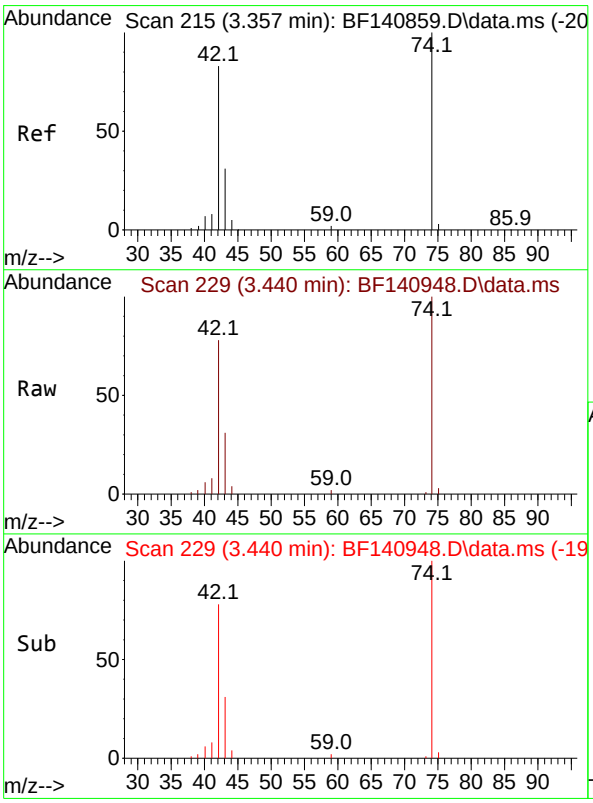

#3
Pyridine
Concen: 43.903 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 79 Resp: 147343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.0 | 51.7 | 77.5 |
| 51 | 33.7 | 28.2 | 42.4 |

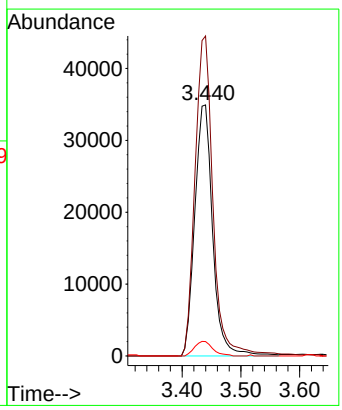


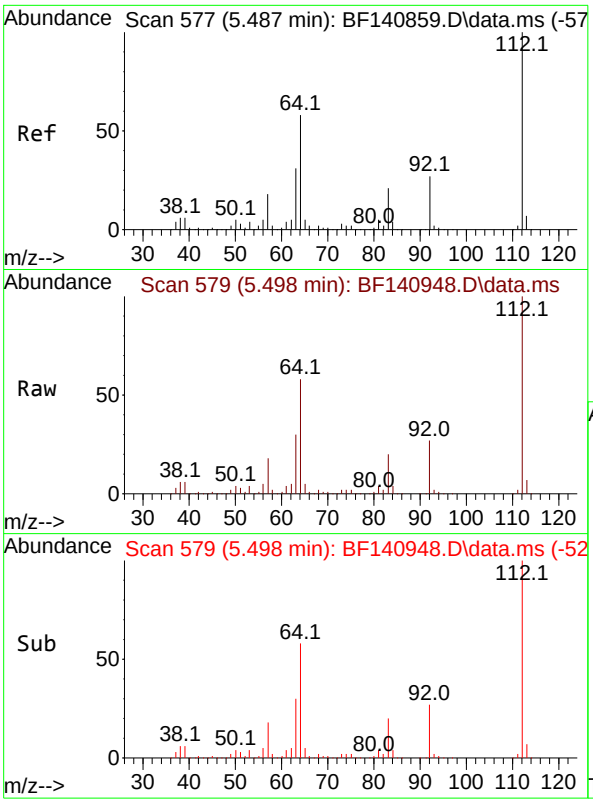




#4
n-Nitrosodimethylamine
Concen: 43.674 ng
RT: 3.440 min Scan# 229
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 42 Resp: 73891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.4 | 96.9 | 145.3 |
| 44 | 5.7 | 4.4 | 6.6 |



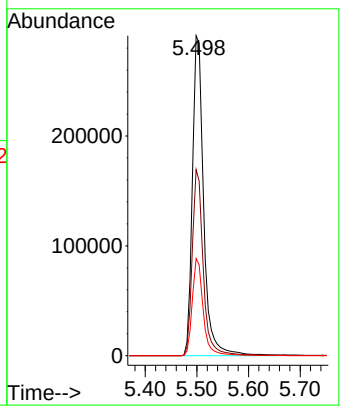


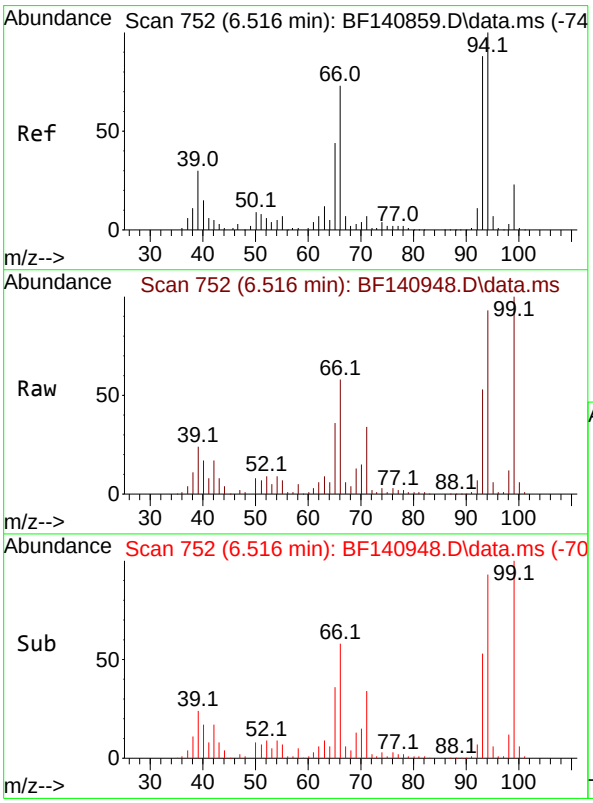

#5
2-Fluorophenol
Concen: 131.406 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:112 Resp: 442109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.2 | 46.1 | 69.1 |
| 63 | 30.3 | 24.9 | 37.3 |

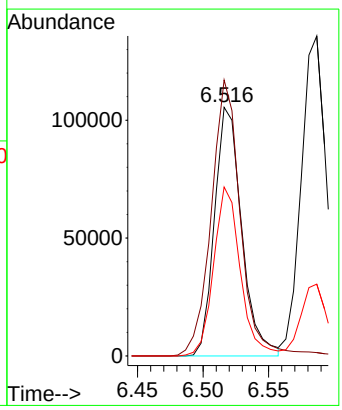


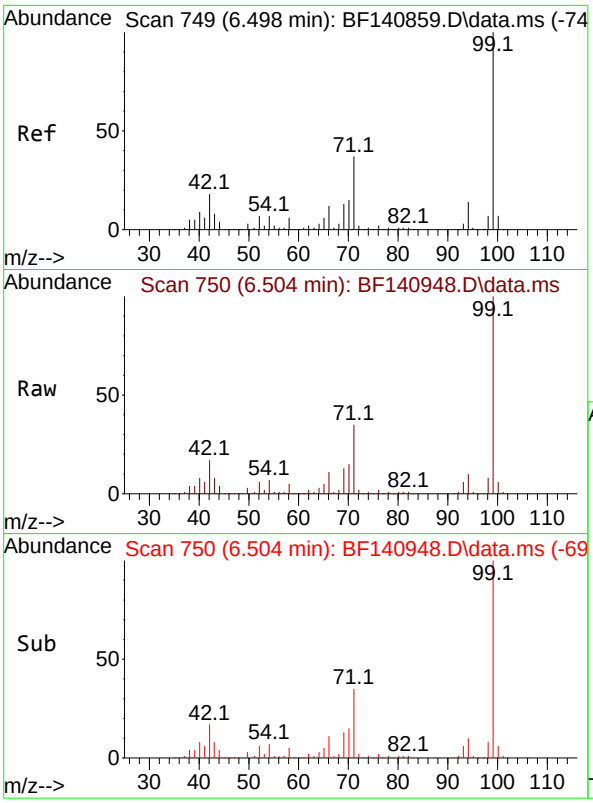




#6
Aniline
Concen: 39.984 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 93 Resp: 152345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 111.0 | 67.0 | 100.4# |
| 65 | 67.9 | 40.4 | 60.6# |



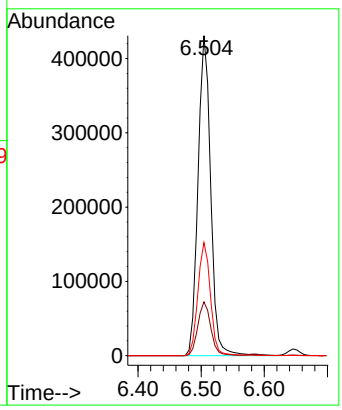


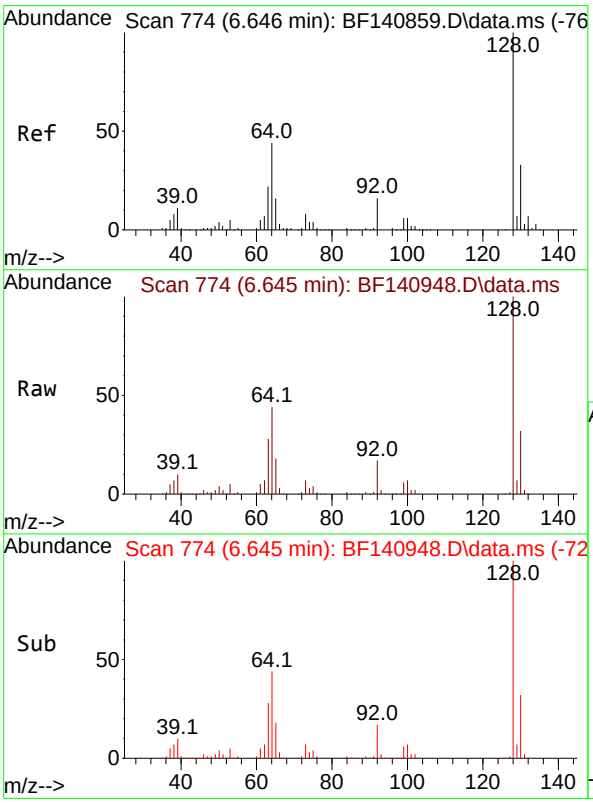

#7
Phenol-d6
Concen: 134.430 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 99 Resp: 599050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.8 | 14.3 | 21.5 |
| 71 | 35.4 | 29.9 | 44.9 |

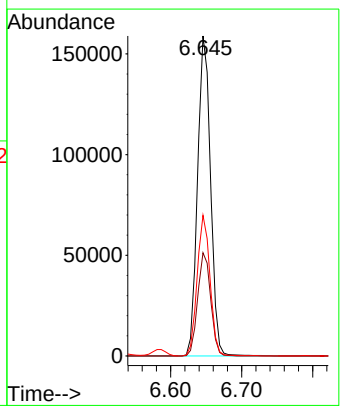


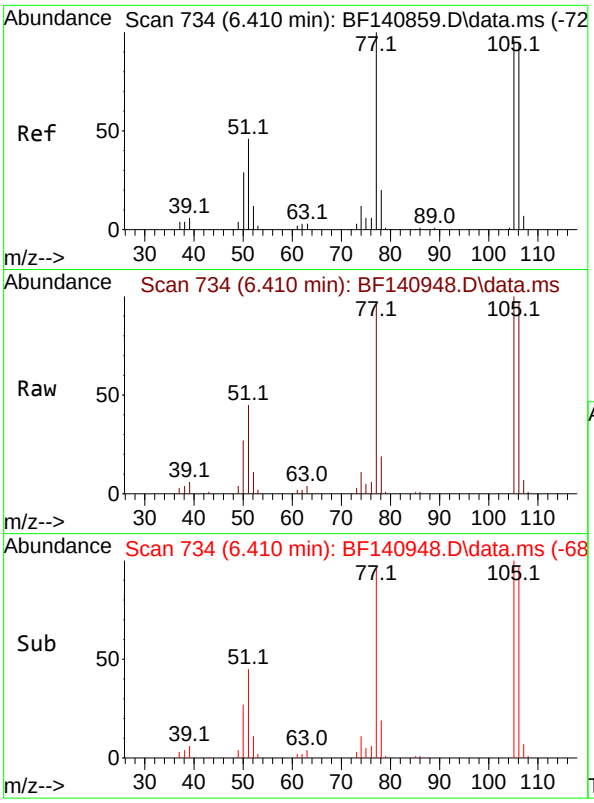




#8
2-Chlorophenol
Concen: 55.230 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:128 Resp: 202633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 12.9 | 52.9 |
| 64 | 44.0 | 24.3 | 64.3 |



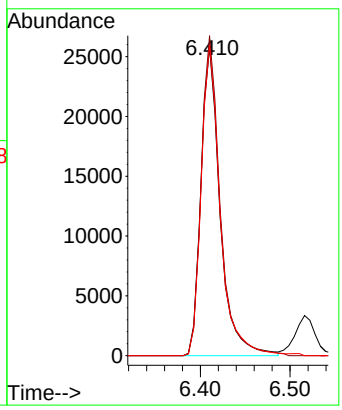


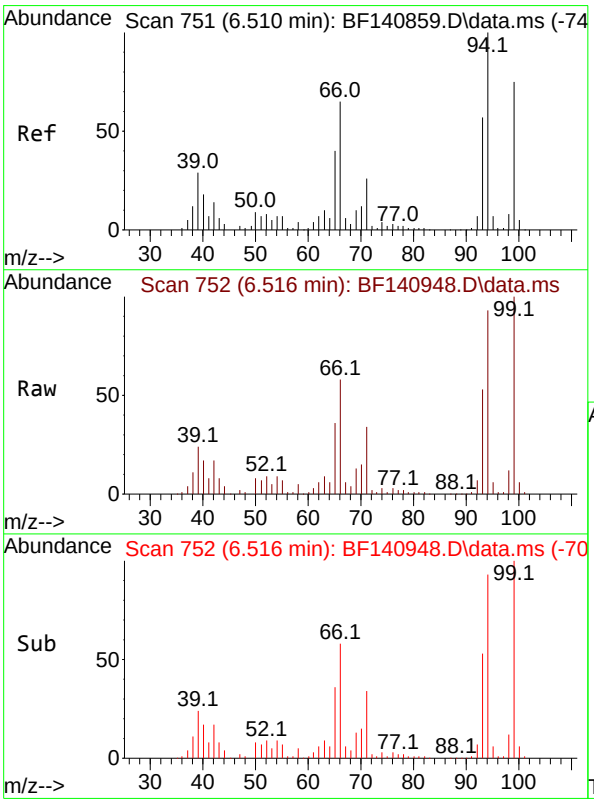

#9
Benzaldehyde
Concen: 15.462 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 77 Resp: 38178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 104.0 | 75.8 | 115.8 |
| 106 | 100.9 | 74.1 | 114.1 |

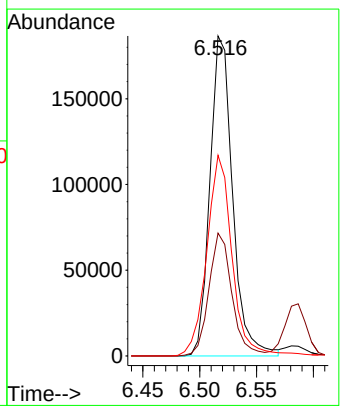


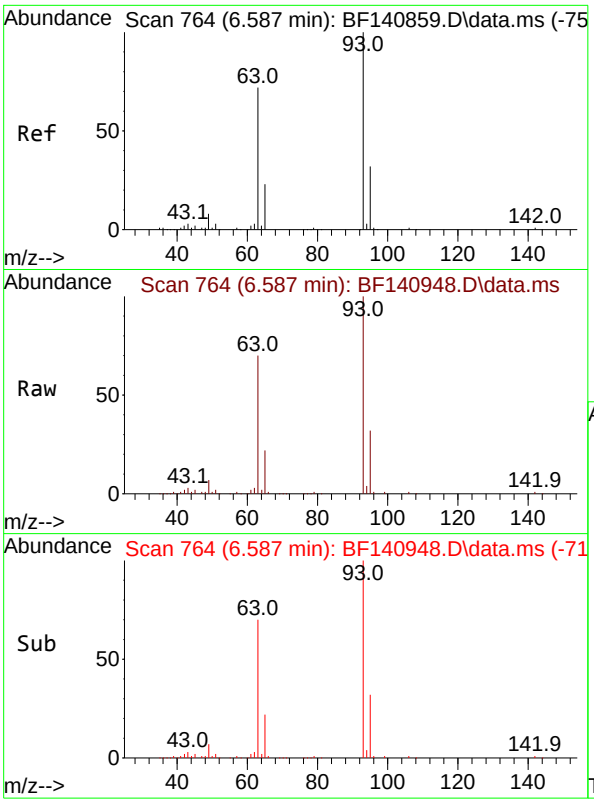




#10
Phenol
Concen: 56.104 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 94 Resp: 259118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.4 | 19.9 | 59.9 |
| 66 | 62.7 | 45.6 | 85.6 |



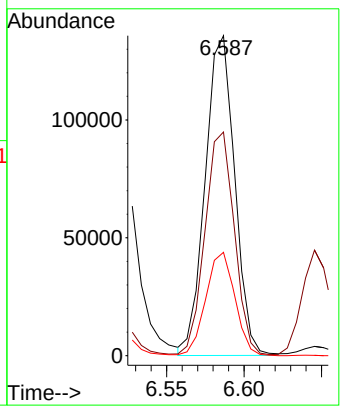


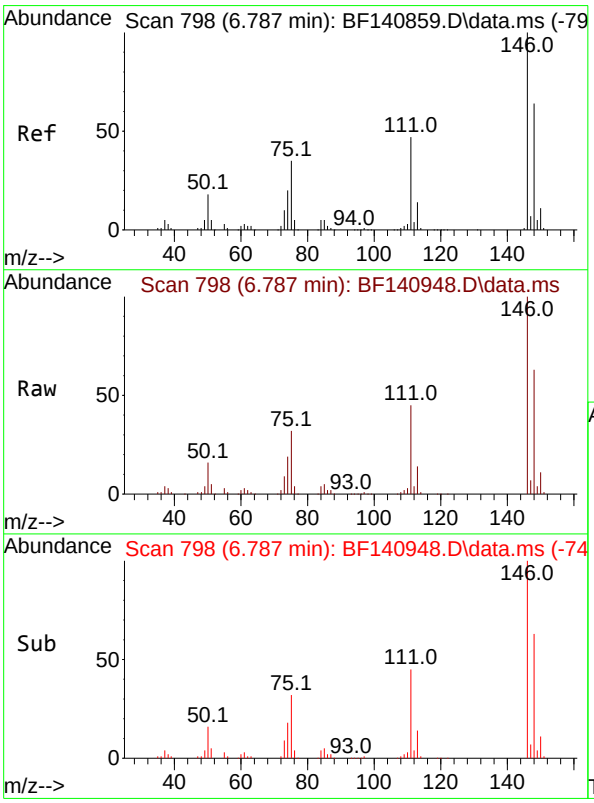

#11
bis(2-Chloroethyl)ether
Concen: 52.272 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 93 Resp: 180043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.9 | 51.0 | 91.0 |
| 95 | 32.3 | 12.0 | 52.0 |

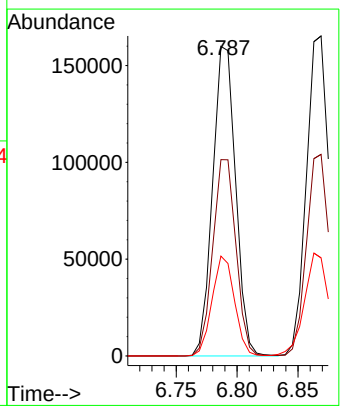


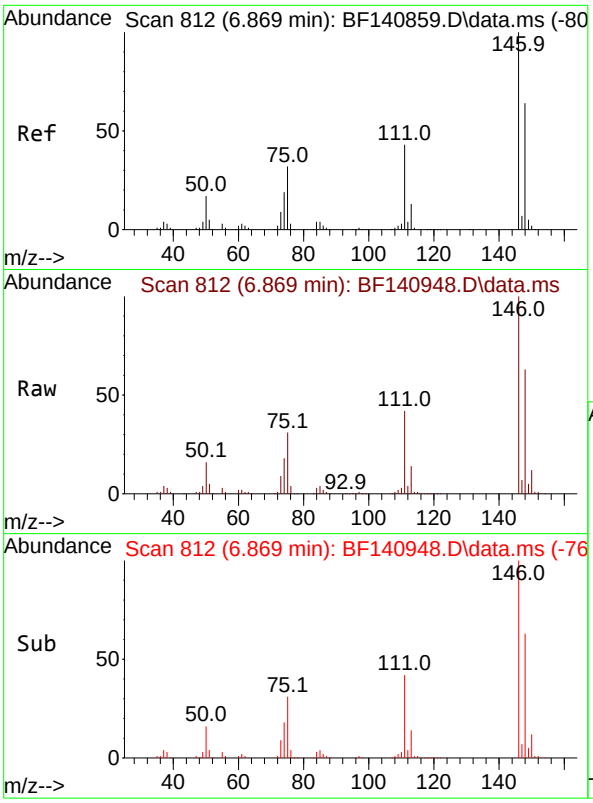




#12
1,3-Dichlorobenzene
Concen: 50.348 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 210487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.0 | 76.6 |
| 75 | 32.2 | 28.1 | 42.1 |



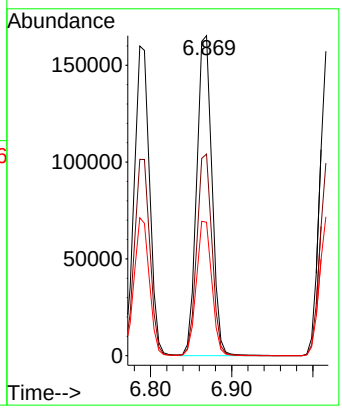


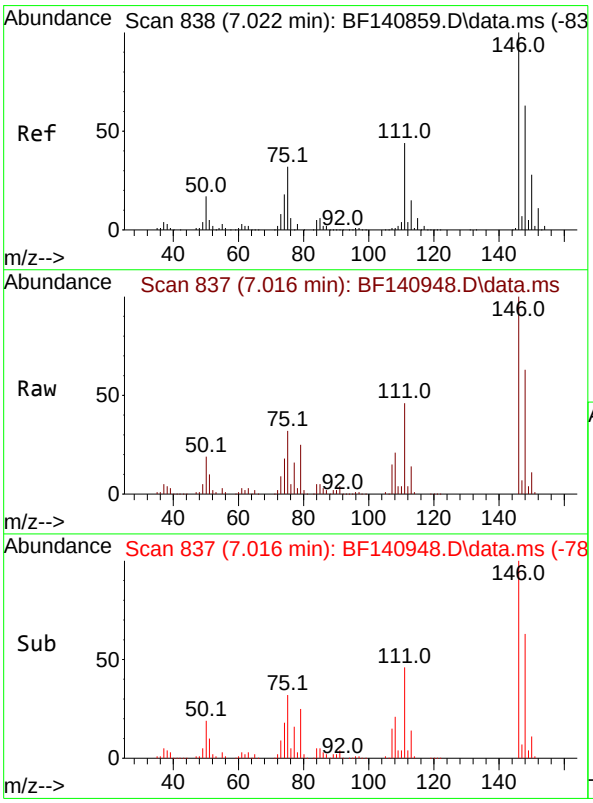

#13
1,4-Dichlorobenzene
Concen: 51.092 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:146 Resp: 216818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 51.3 | 76.9 |
| 111 | 41.7 | 34.4 | 51.6 |

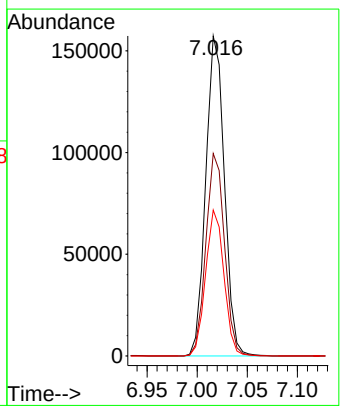


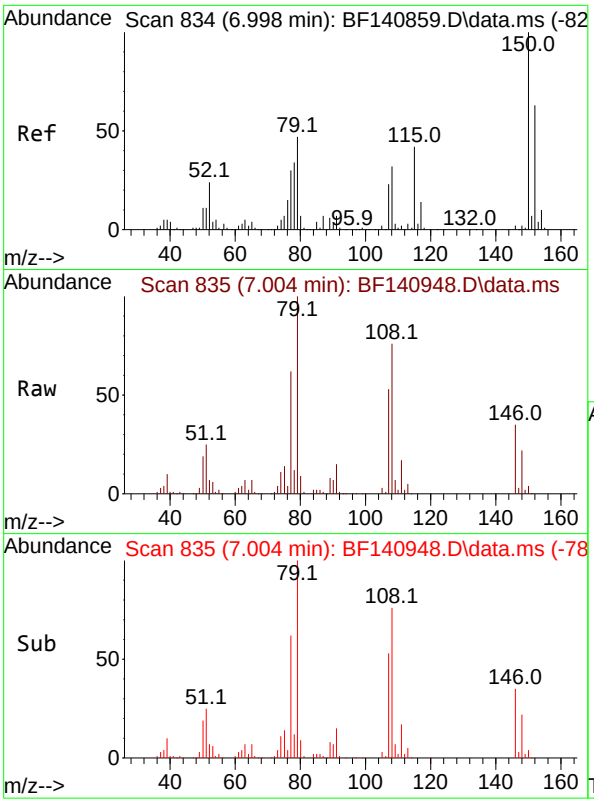




#14
1,2-Dichlorobenzene
Concen: 50.890 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 203761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.0 | 75.0 |
| 111 | 45.6 | 35.6 | 53.4 |



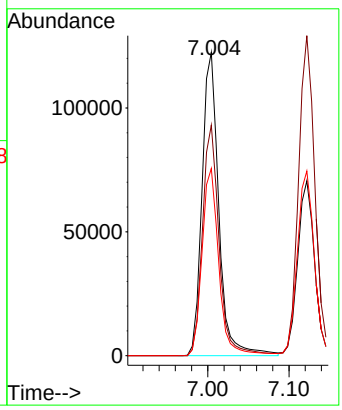


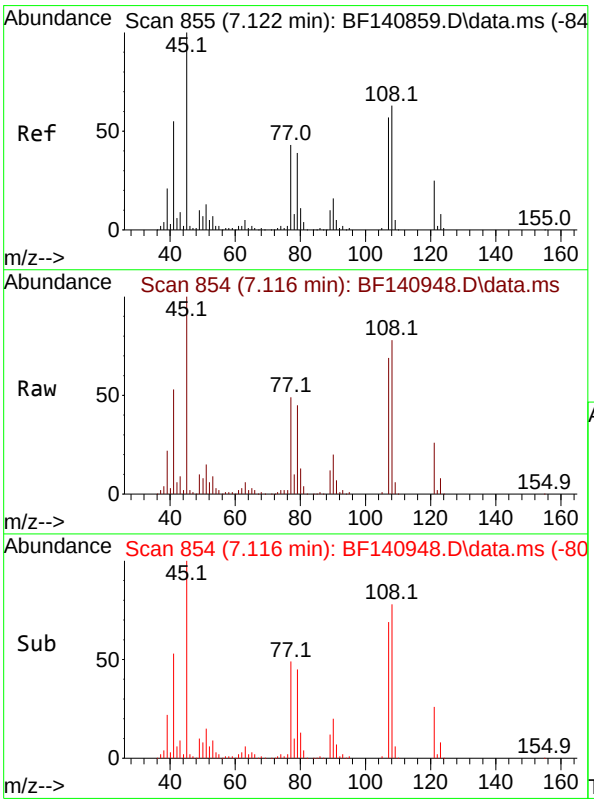

#15
Benzyl Alcohol
Concen: 55.078 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 79 Resp: 175492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 55.1 | 82.7 |
| 77 | 61.7 | 50.6 | 76.0 |

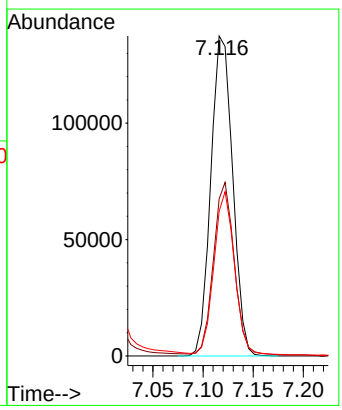


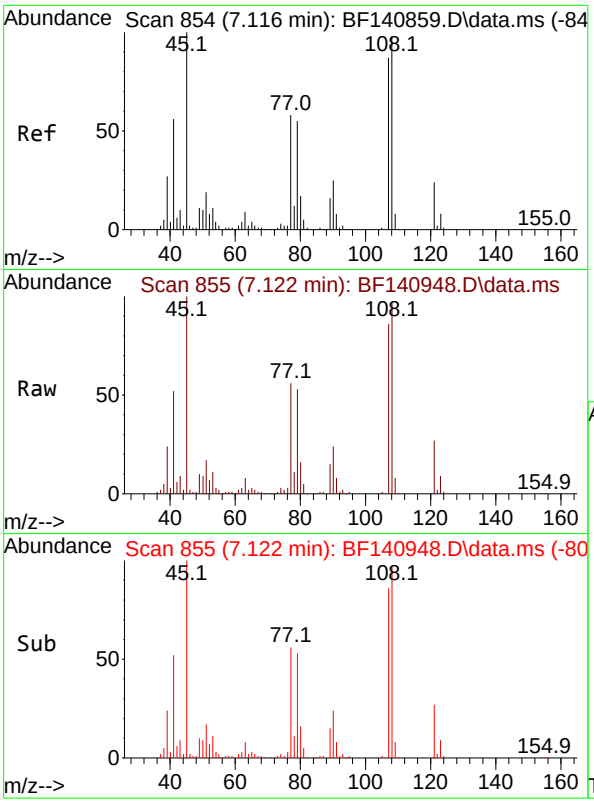




#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.327 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 45 Resp: 208259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 49.1 | 23.3 | 63.3 |
| 79 | 45.2 | 20.0 | 60.0 |



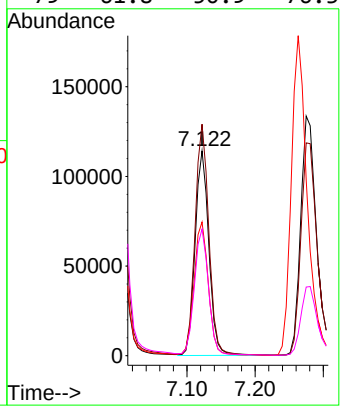


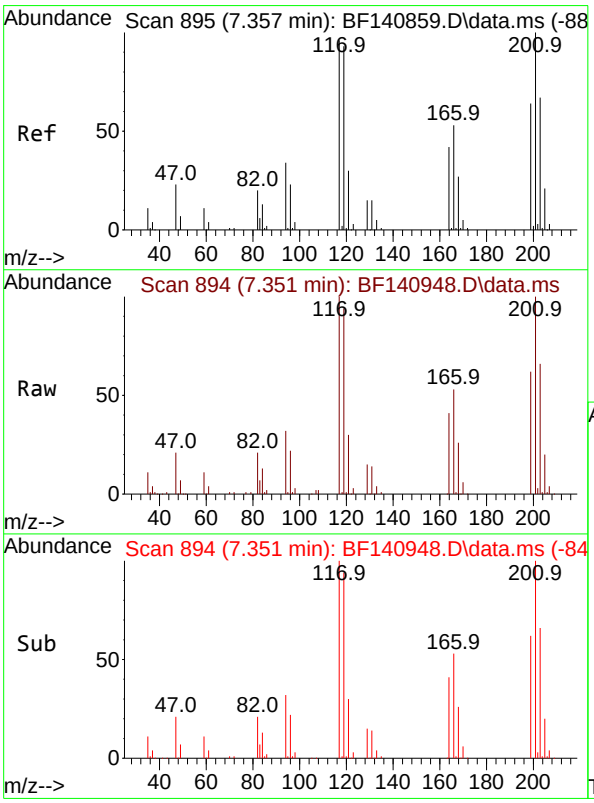

#17
2-Methylphenol
Concen: 54.685 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:107 Resp: 160183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.0 | 90.2 | 135.4 |
| 77 | 65.2 | 53.8 | 80.6 |
| 79 | 61.8 | 50.9 | 76.3 |

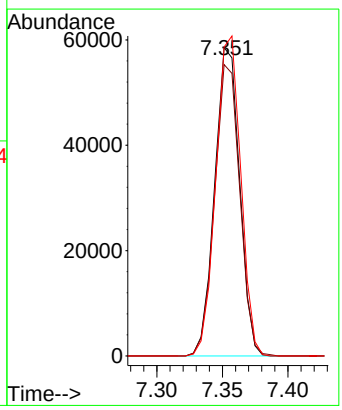


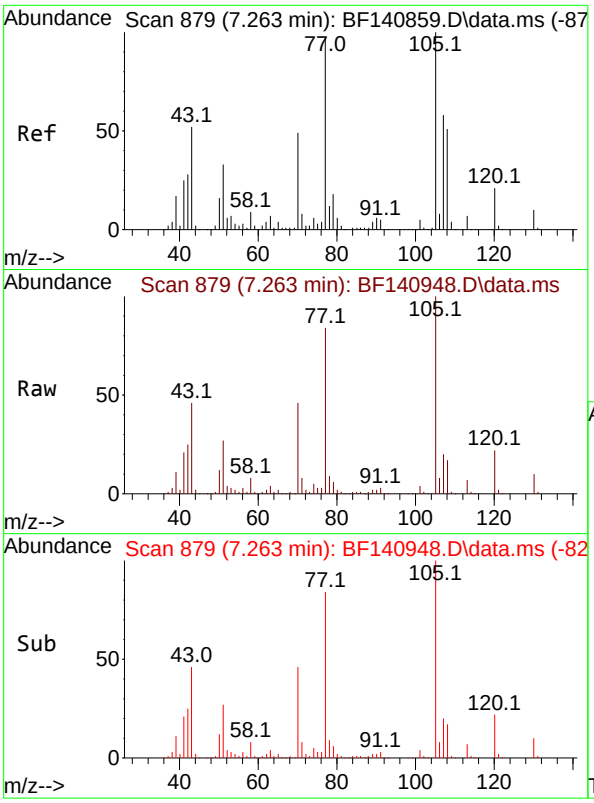




#18
Hexachloroethane
Concen: 48.978 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:117 Resp: 77377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 77.4 | 116.0 |
| 201 | 100.2 | 83.4 | 125.0 |



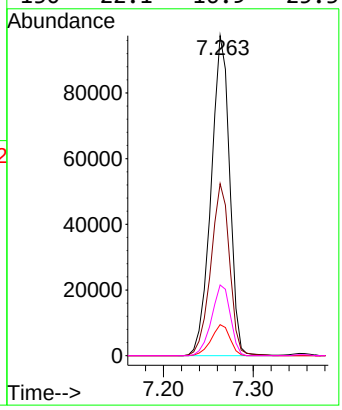


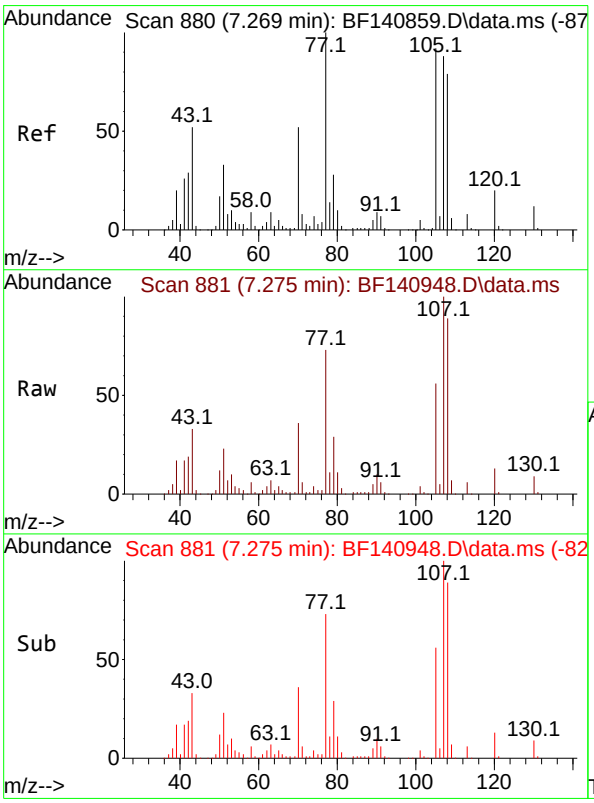

#19
n-Nitroso-di-n-propylamine
Concen: 52.475 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 70 Resp: 140269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.8 | 45.3 | 67.9 |
| 101 | 9.7 | 8.0 | 12.0 |
| 130 | 22.1 | 16.9 | 25.3 |

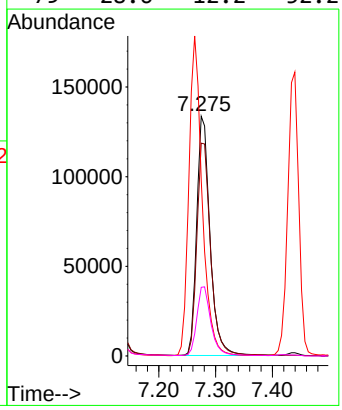


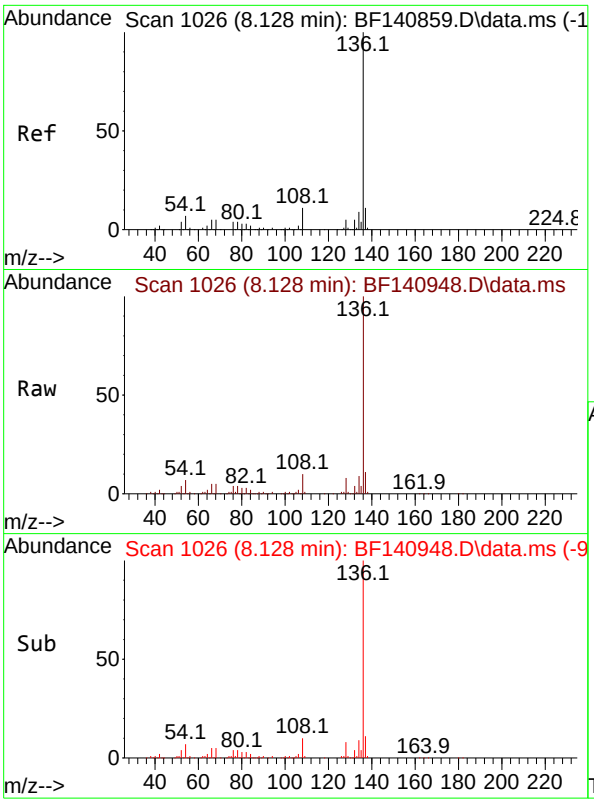




#20
3+4-Methylphenols
Concen: 56.350 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:107 Resp: 218873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.8 | 70.1 | 110.1 |
| 77 | 73.3 | 94.4 | 134.4# |
| 79 | 28.6 | 12.2 | 52.2 |



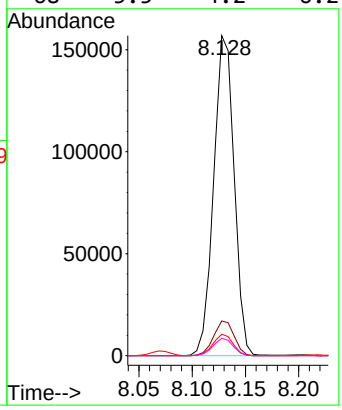


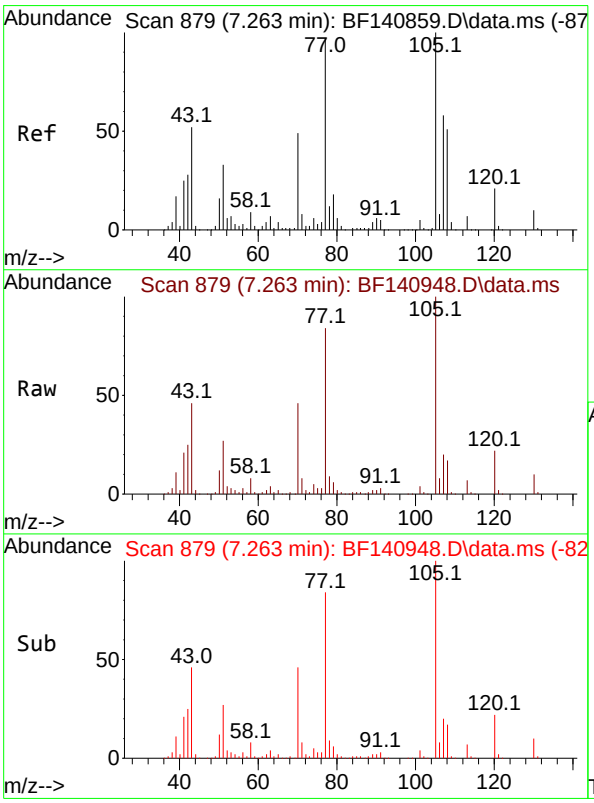

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:136 Resp: 209218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.7 | 5.6 | 8.4 |
| 68 | 5.5 | 4.2 | 6.2 |

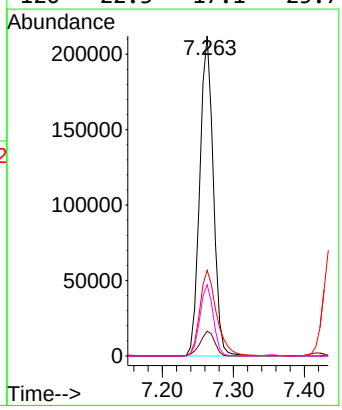


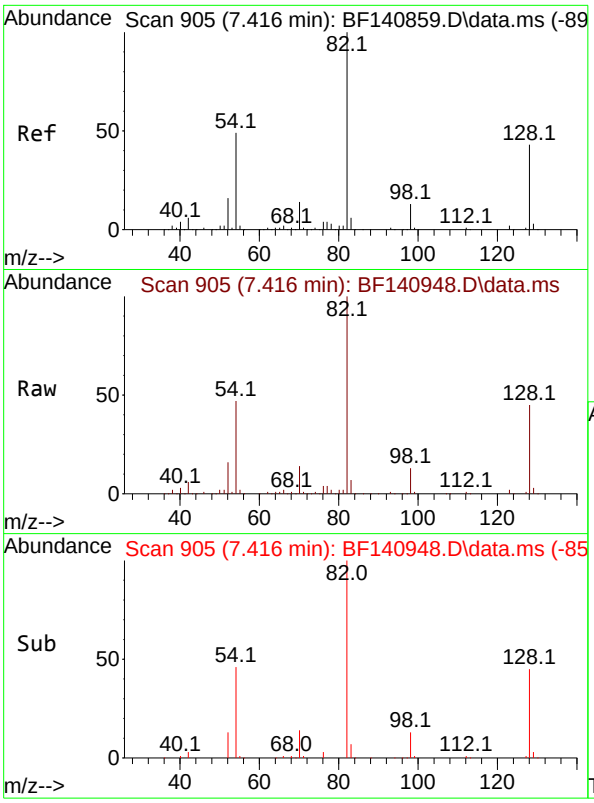




#22
Acetophenone
Concen: 53.782 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:105 Resp: 281478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 6.2 | 9.4 |
| 51 | 26.7 | 26.3 | 39.5 |
| 120 | 22.3 | 17.1 | 25.7 |



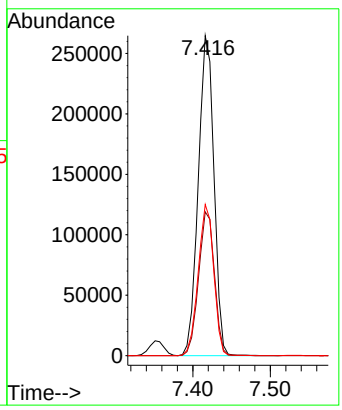


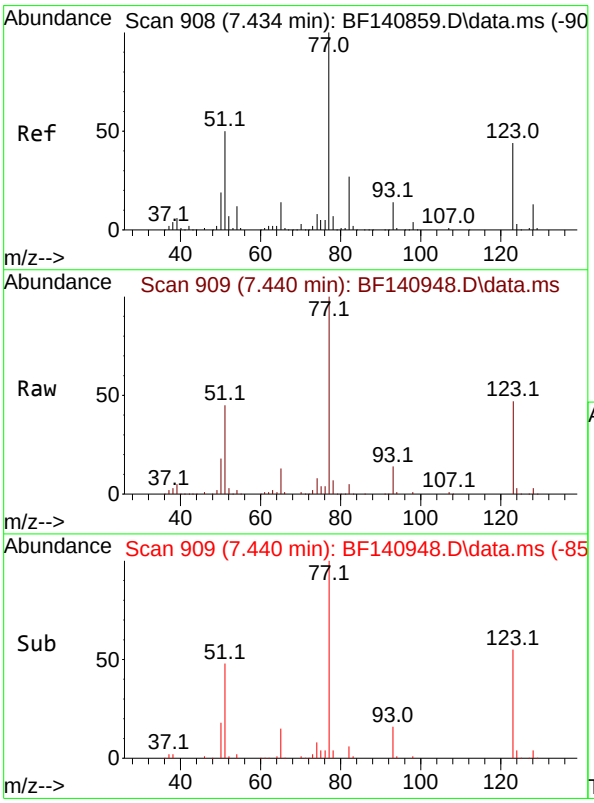

#23
Nitrobenzene-d5
Concen: 89.012 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 82 Resp: 372228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 34.4 | 51.6 |
| 54 | 47.2 | 38.8 | 58.2 |

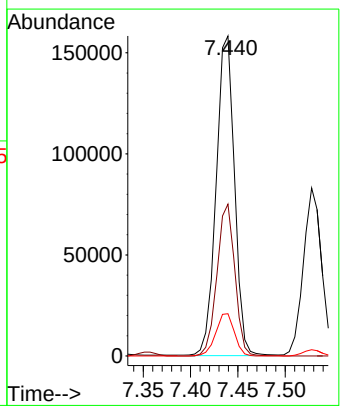


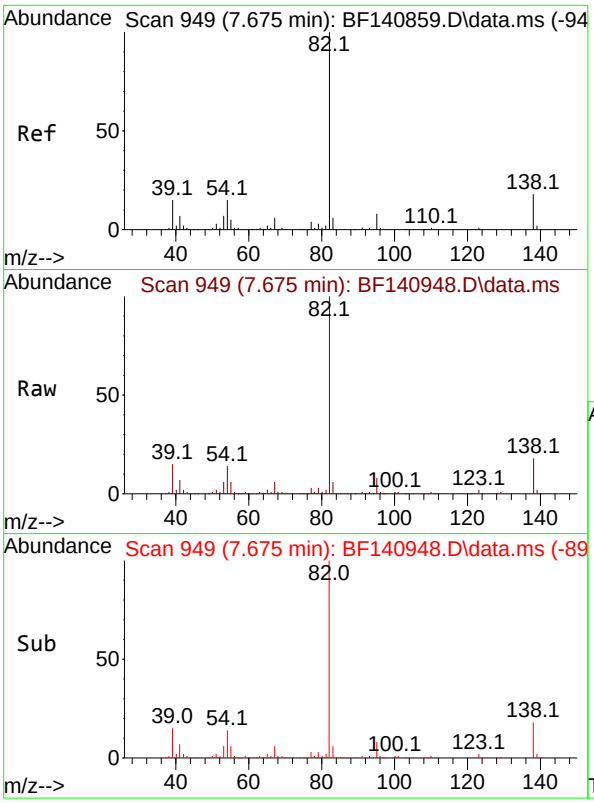




#24
Nitrobenzene
Concen: 49.921 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 77 Resp: 213867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 35.0 | 52.4 |
| 65 | 13.2 | 11.4 | 17.0 |



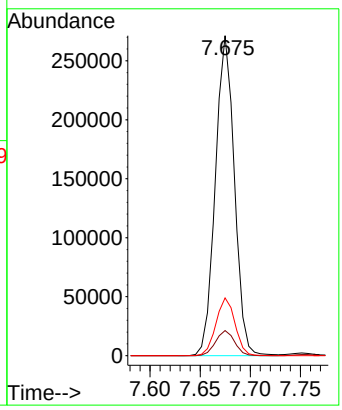


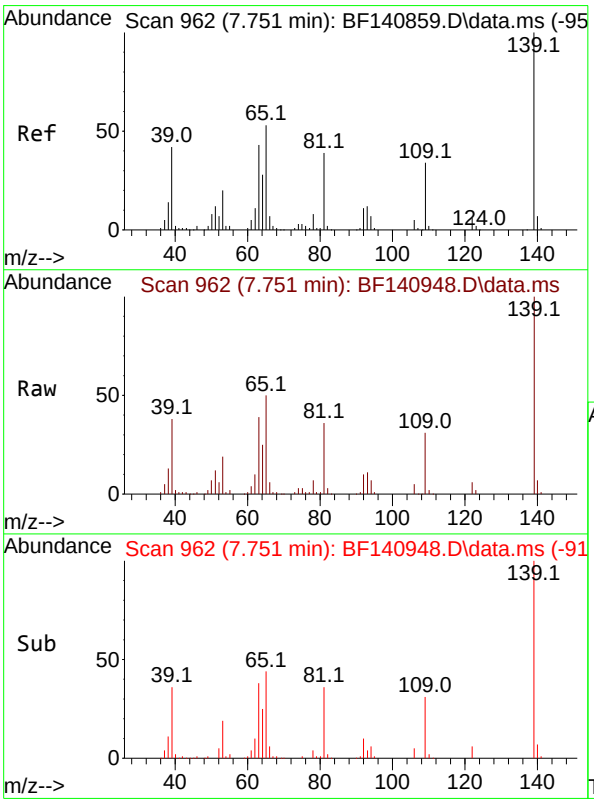

#25
Isophorone
Concen: 51.161 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 82 Resp: 358474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 18.1 | 14.1 | 21.1 |

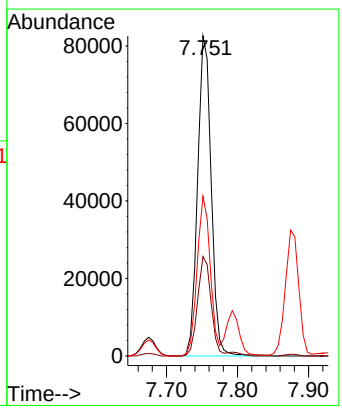


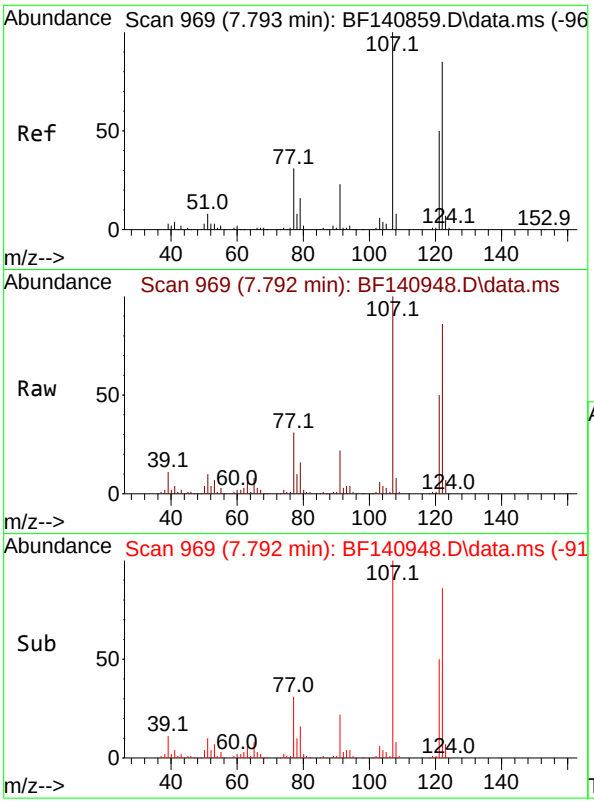




#26
2-Nitrophenol
Concen: 55.813 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:139 Resp: 110125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.1 | 26.9 | 40.3 |
| 65 | 49.8 | 42.6 | 64.0 |



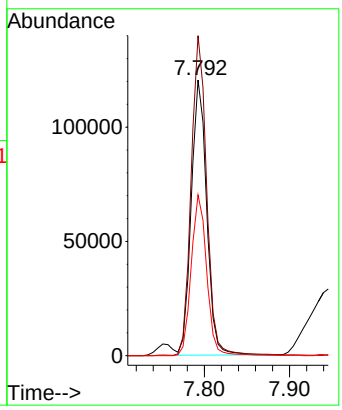


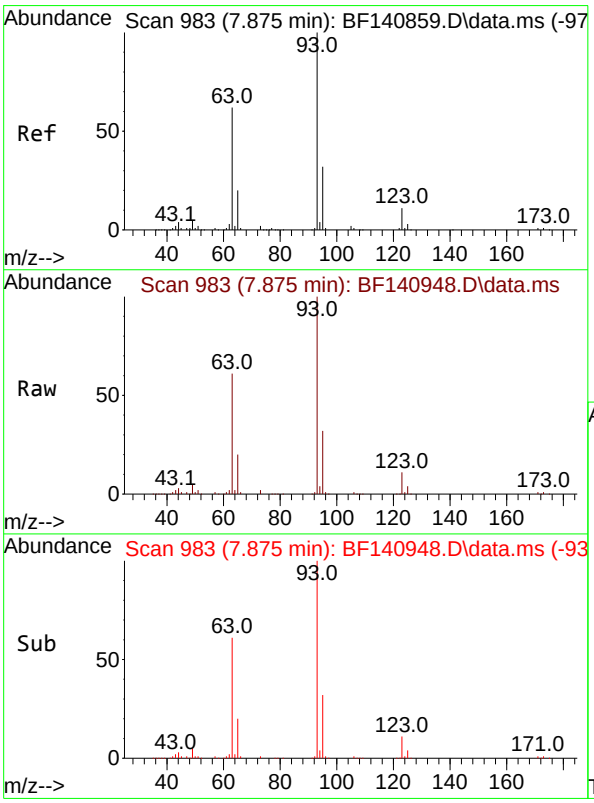

#27
2,4-Dimethylphenol
Concen: 65.624 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:122 Resp: 151216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.1 | 92.6 | 139.0 |
| 121 | 58.3 | 45.8 | 68.8 |

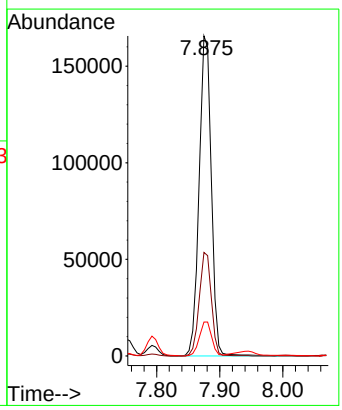


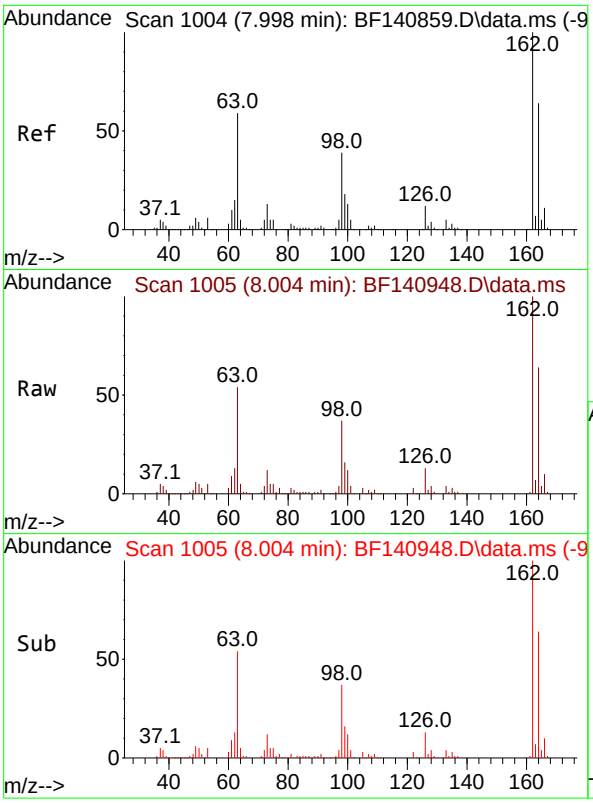




#28
bis(2-Chloroethoxy)methane
Concen: 50.641 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 93 Resp: 221616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.3 | 37.9 |
| 123 | 10.6 | 8.6 | 13.0 |



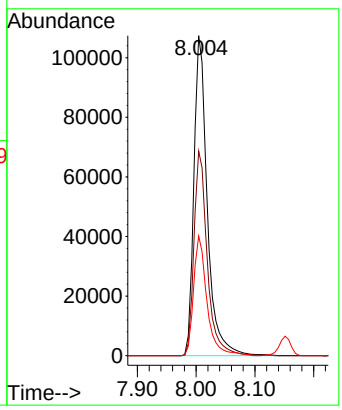


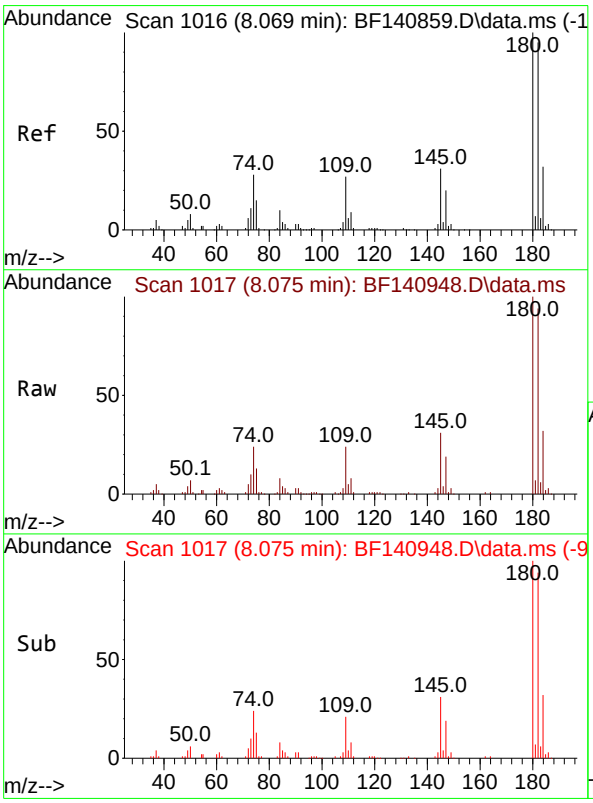

#29
2,4-Dichlorophenol
Concen: 53.525 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:162 Resp: 170278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.7 | 83.7 |
| 98 | 37.4 | 18.6 | 58.6 |

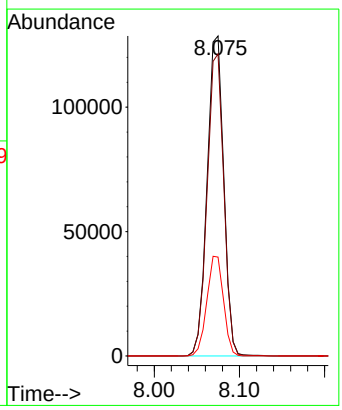


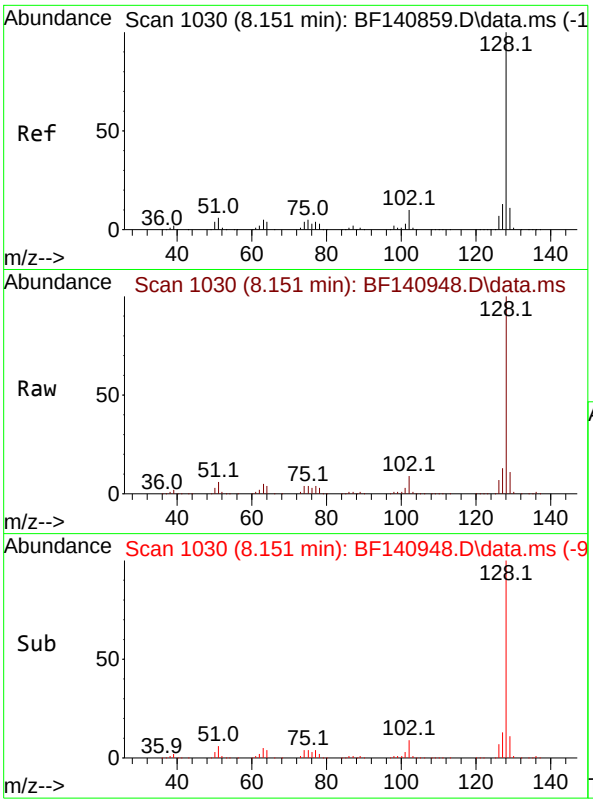




#30
1,2,4-Trichlorobenzene
Concen: 47.901 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:180 Resp: 174689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 75.8 | 113.6 |
| 145 | 30.9 | 25.2 | 37.8 |



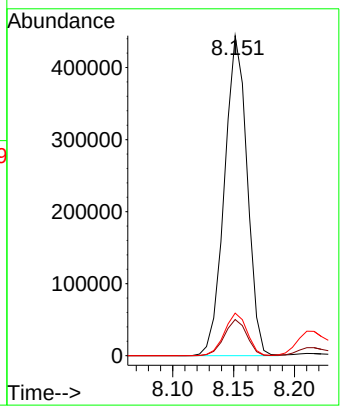


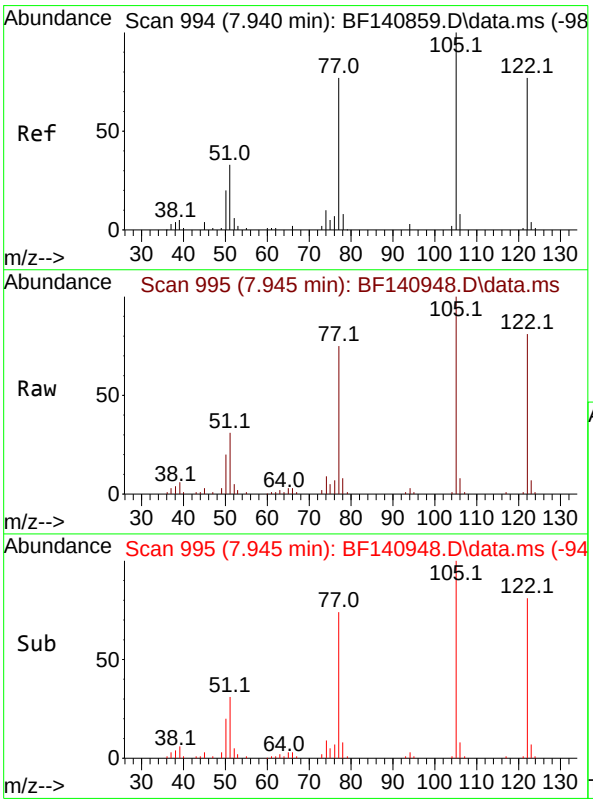

#31
Naphthalene
Concen: 50.150 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:128 Resp: 576356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 13.3 | 10.6 | 16.0 |

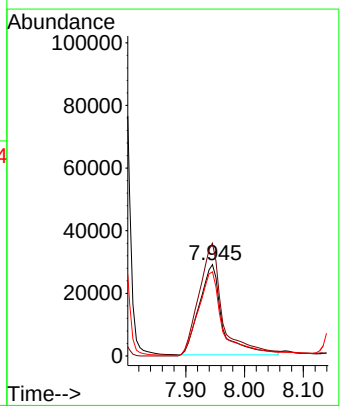


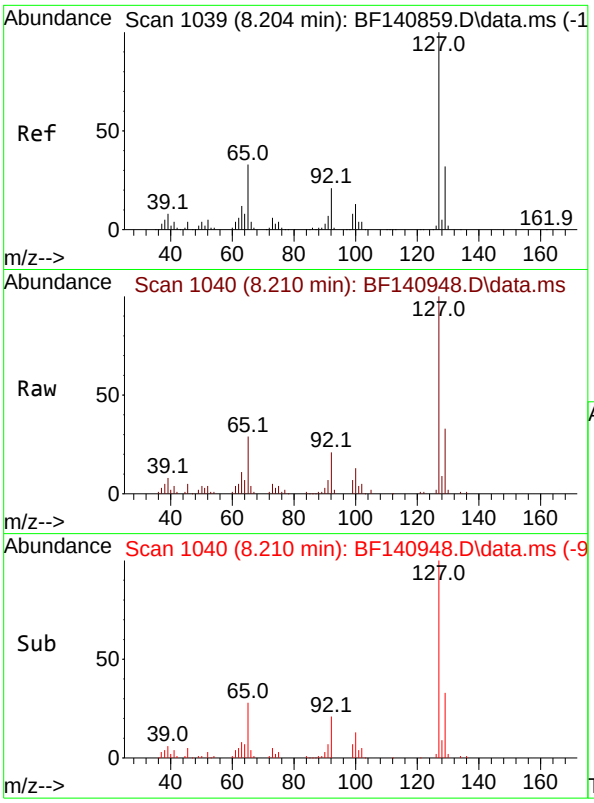




#32
Benzoic acid
Concen: 36.568 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:122 Resp: 79916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 108.3 | 148.3 |
| 77 | 92.2 | 78.8 | 118.8 |



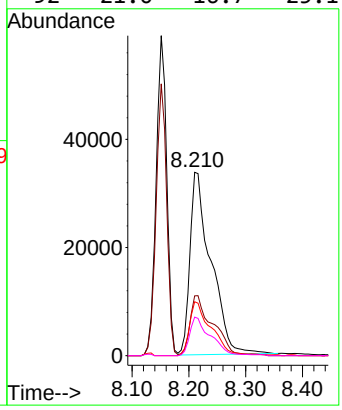


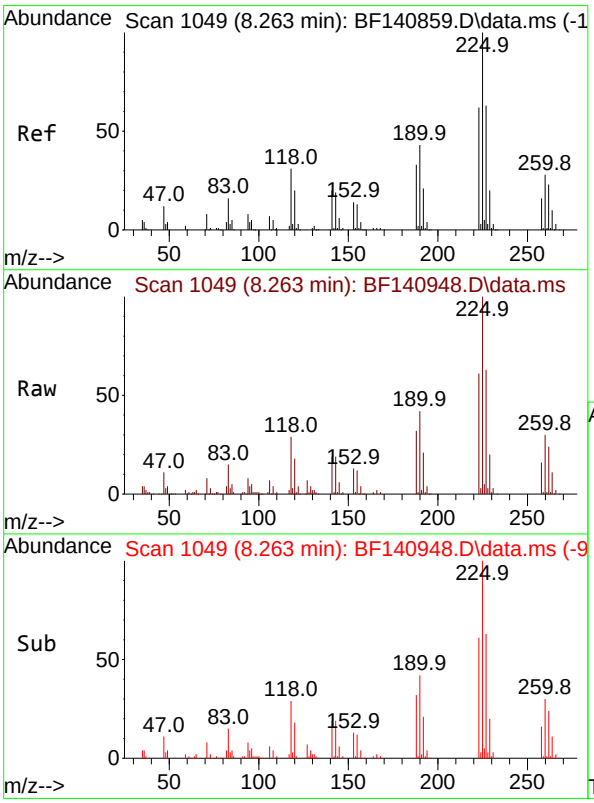

#33
4-Chloroaniline
Concen: 22.717 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:127 Resp: 86711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 26.0 | 39.0 |
| 65 | 29.4 | 26.0 | 39.0 |
| 92 | 21.0 | 16.7 | 25.1 |

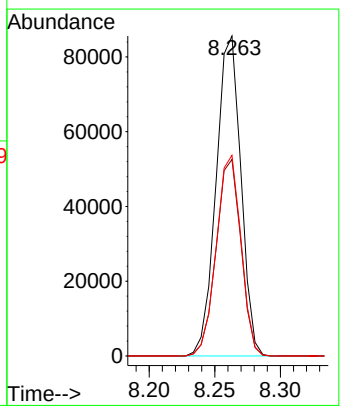


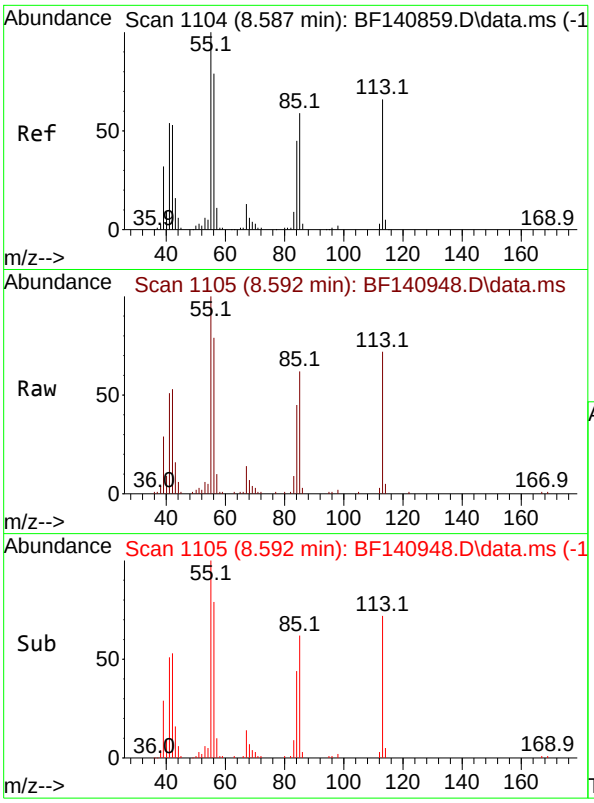




#34
Hexachlorobutadiene
Concen: 45.808 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:225 Resp: 112396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.4 | 49.6 | 74.4 |
| 227 | 62.7 | 50.7 | 76.1 |



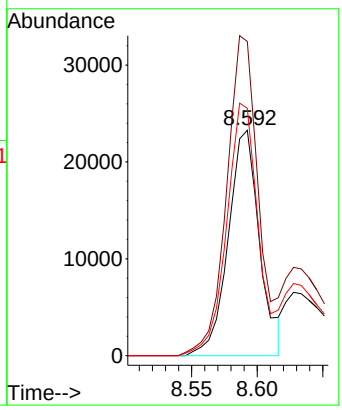


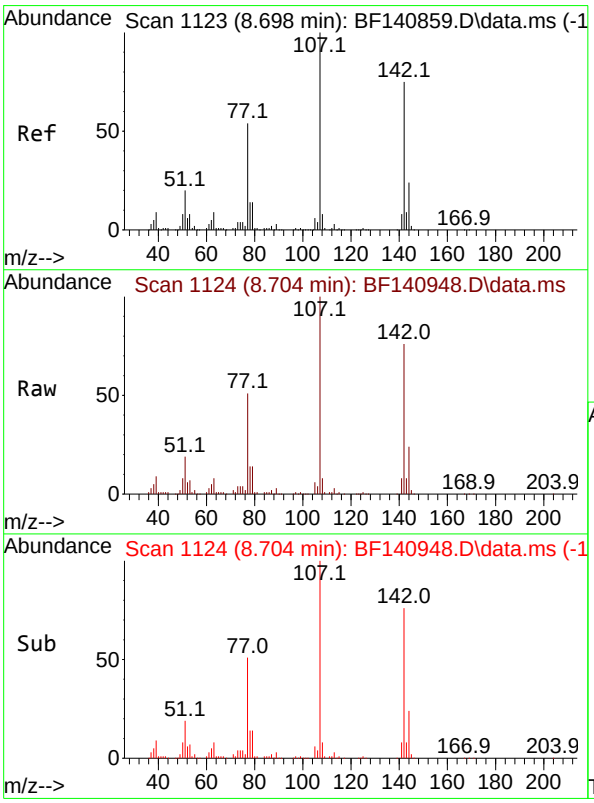

#35
Caprolactam
Concen: 40.675 ng
RT: 8.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:113 Resp: 38523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.4 | 132.3 | 172.3 |
| 56 | 109.8 | 100.3 | 140.3 |

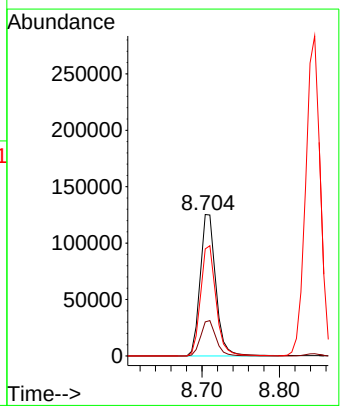


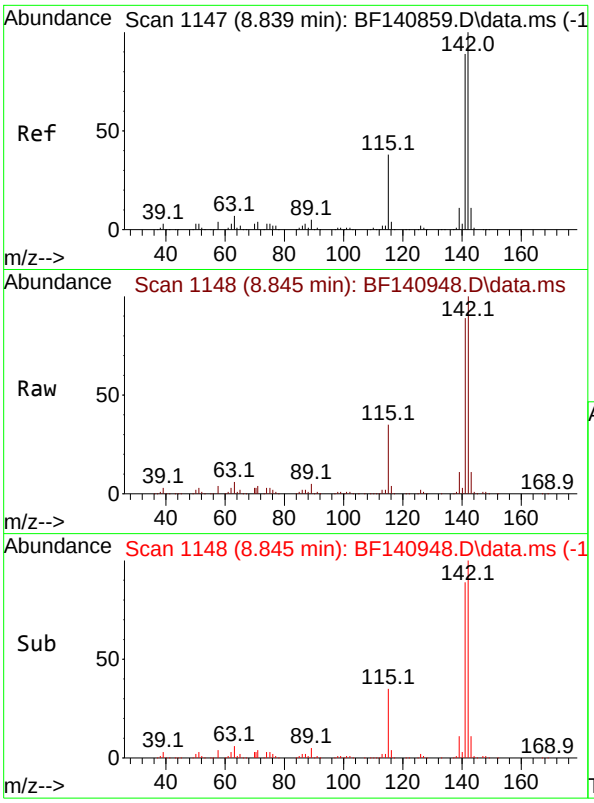




#36
4-Chloro-3-methylphenol
Concen: 49.233 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:107 Resp: 176282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 19.4 | 29.2 |
| 142 | 75.8 | 60.3 | 90.5 |



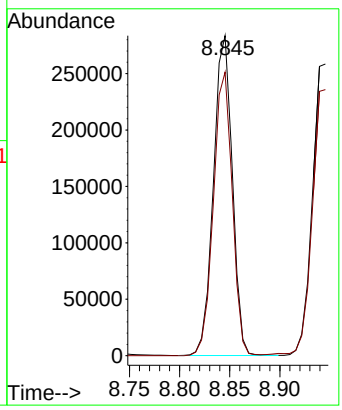


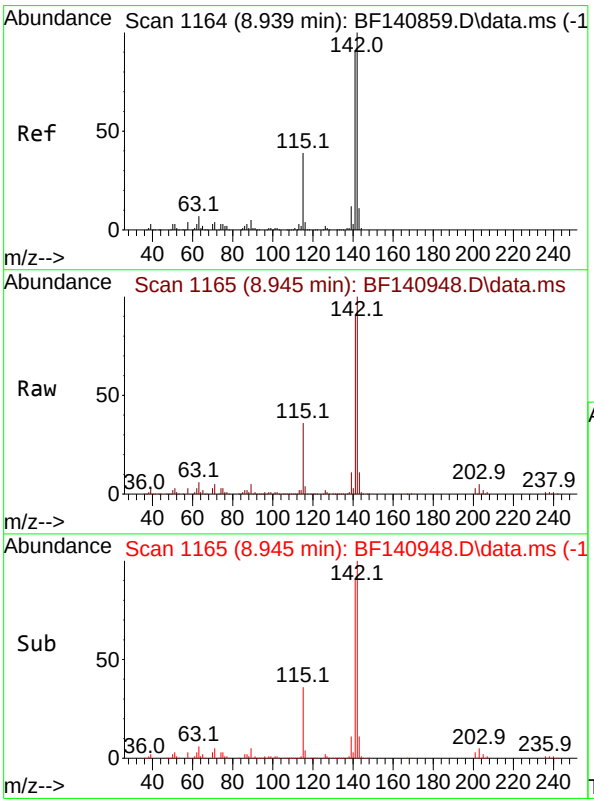

#37
2-Methylnaphthalene
Concen: 48.635 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:142 Resp: 369738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.0 | 106.6 |

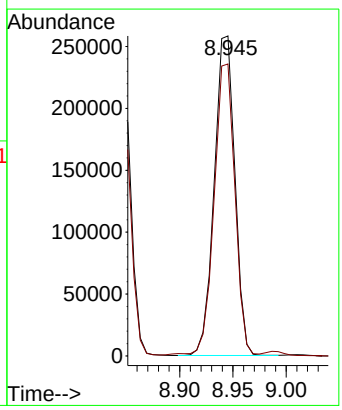


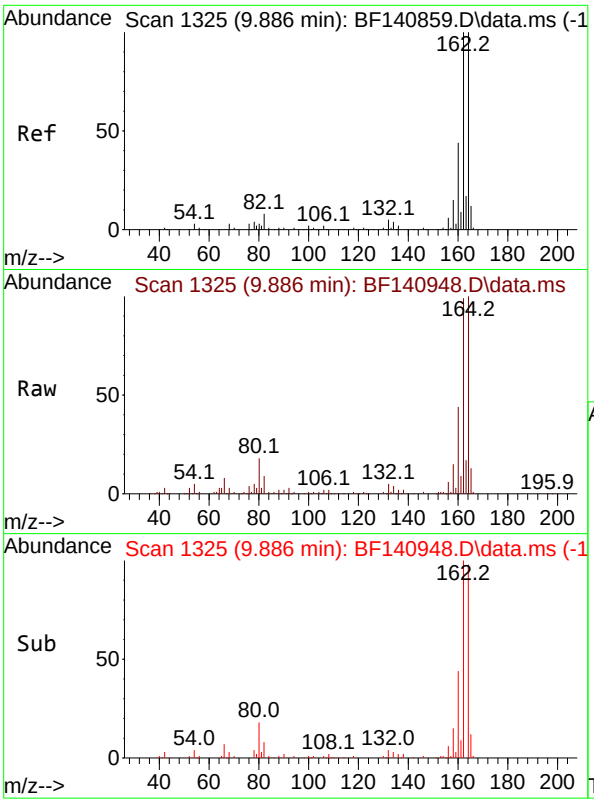




#38
1-Methylnaphthalene
Concen: 46.215 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:142 Resp: 347475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.4 | 110.0 |



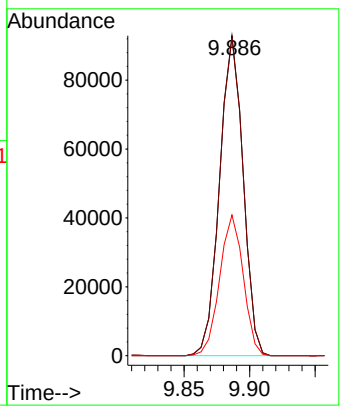


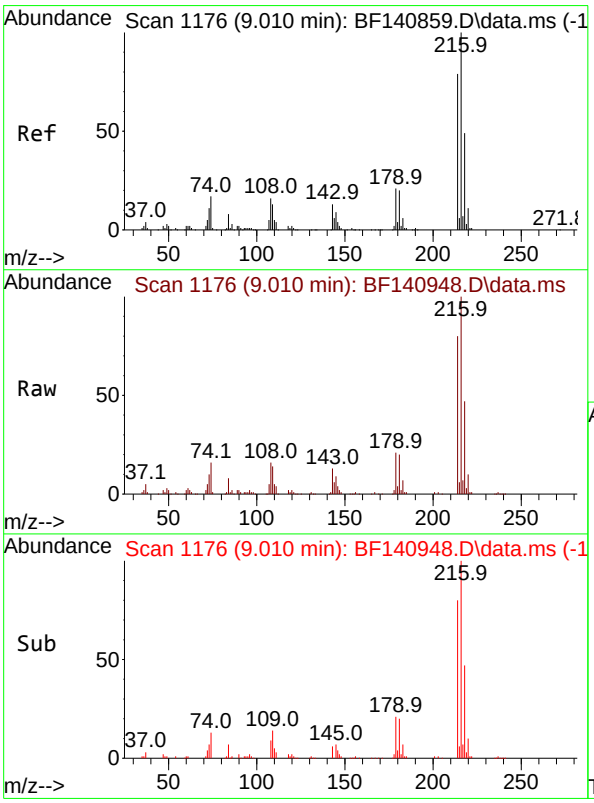

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:164 Resp: 115521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 79.9 | 119.9 |
| 160 | 43.9 | 35.2 | 52.8 |

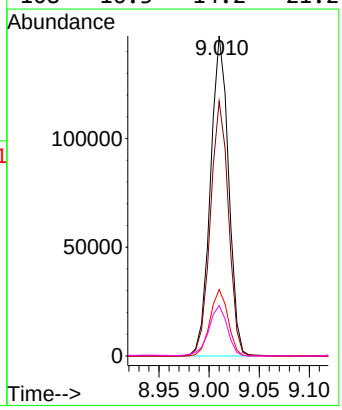


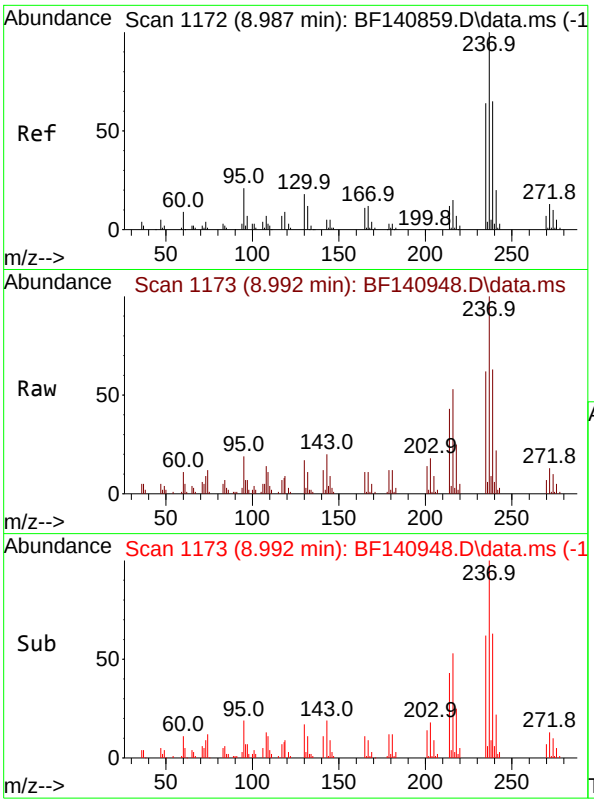




#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.053 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:216 Resp: 184825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.4 | 63.6 | 95.4 |
| 179 | 20.4 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |



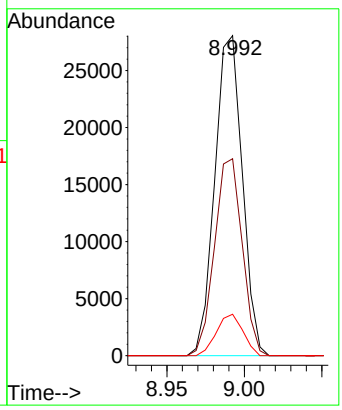


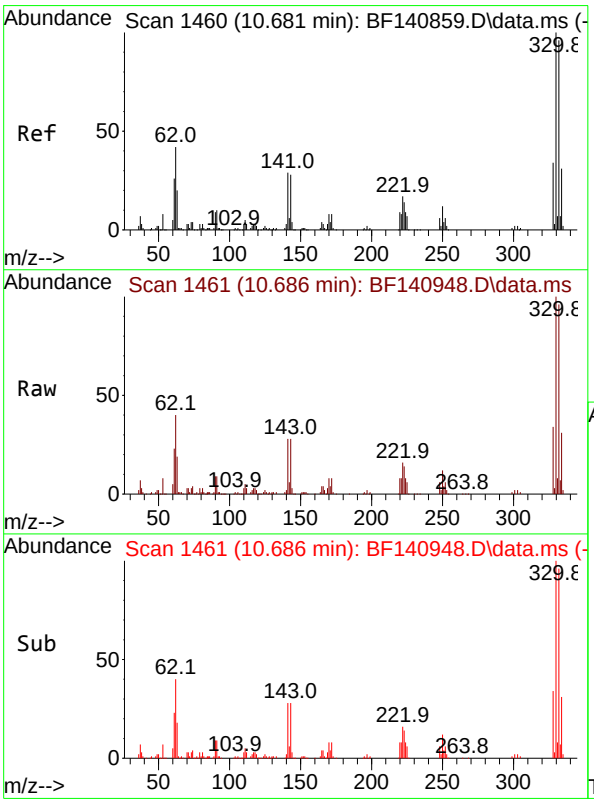

#41
Hexachlorocyclopentadiene
Concen: 40.992 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:237 Resp: 34644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.5 | 43.7 | 83.7 |
| 272 | 12.9 | 0.0 | 32.9 |

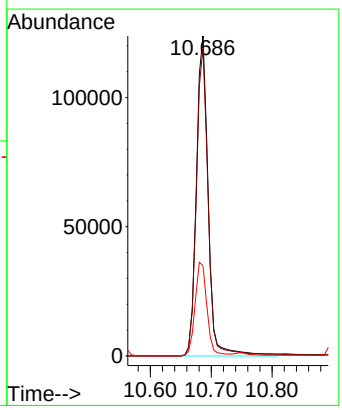


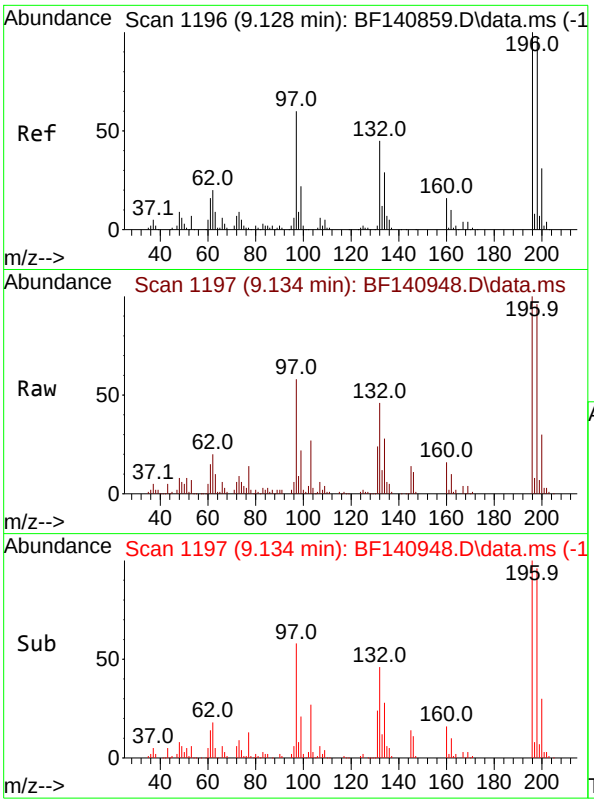




#42
2,4,6-Tribromophenol
Concen: 122.376 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:330 Resp: 167201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 76.2 | 114.4 |
| 141 | 29.4 | 24.9 | 37.3 |



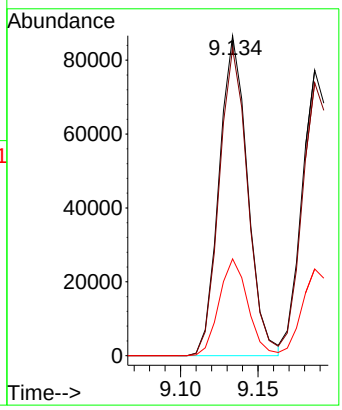


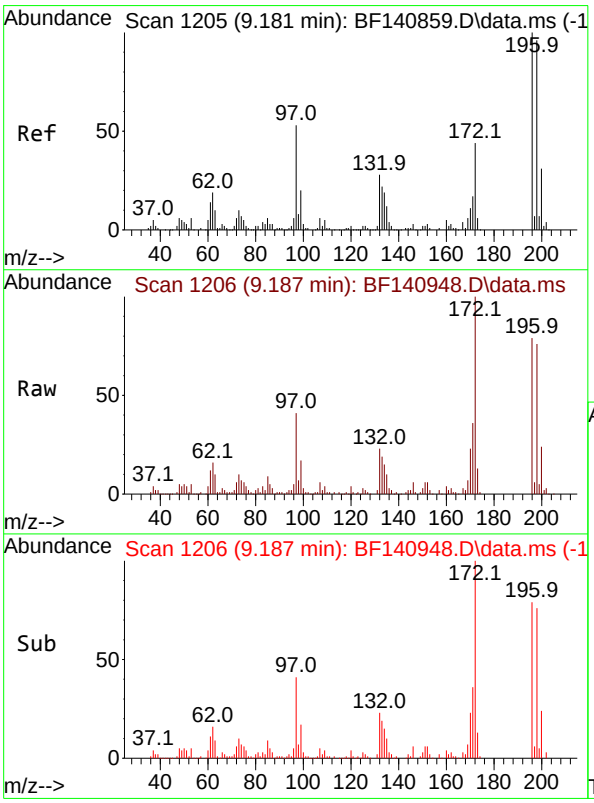

#43
2,4,6-Trichlorophenol
Concen: 50.964 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:196 Resp: 110805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 77.4 | 116.0 |
| 200 | 30.2 | 24.5 | 36.7 |

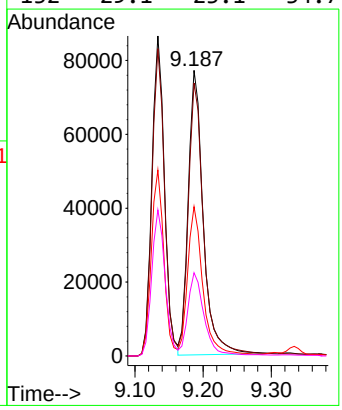


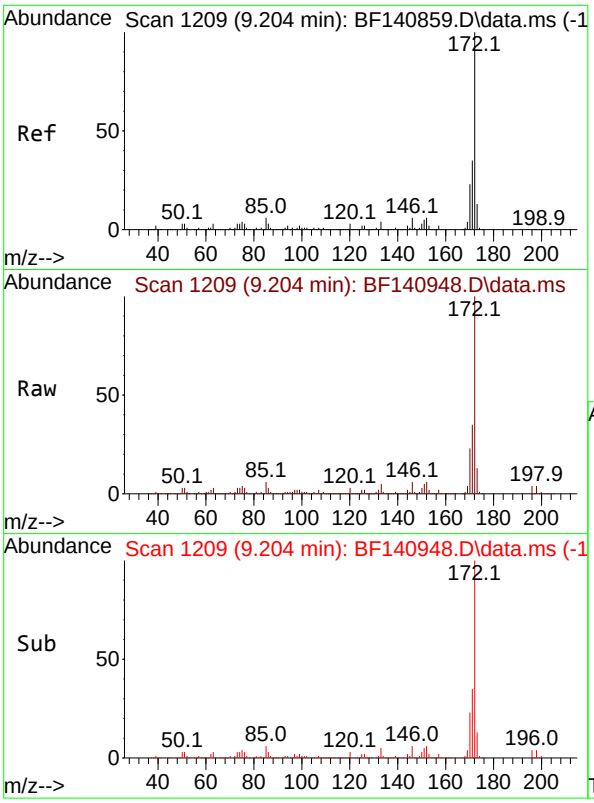




#44
2,4,5-Trichlorophenol
Concen: 49.337 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:196 Resp: 117901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 77.2 | 115.8 |
| 97 | 52.3 | 42.2 | 63.4 |
| 132 | 29.1 | 23.1 | 34.7 |



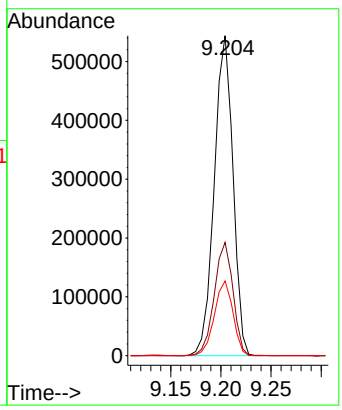


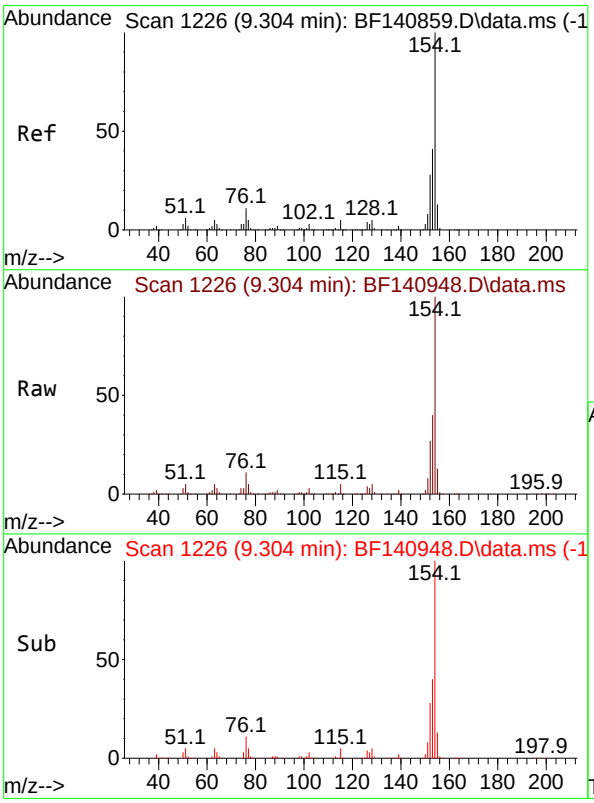

#45
2-Fluorobiphenyl
Concen: 83.953 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:172 Resp: 705412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.4 | 42.6 |
| 170 | 23.3 | 18.6 | 28.0 |

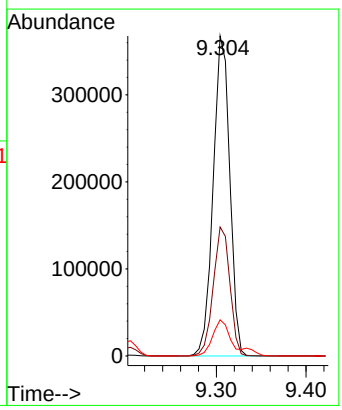


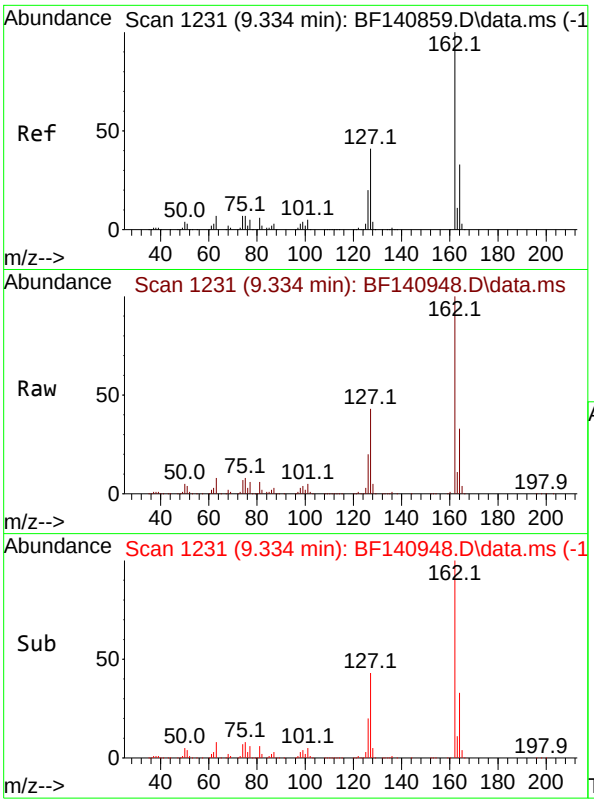




#46
1,1'-Biphenyl
Concen: 51.455 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:154 Resp: 472666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.8 | 60.8 |
| 76 | 11.3 | 0.0 | 31.0 |



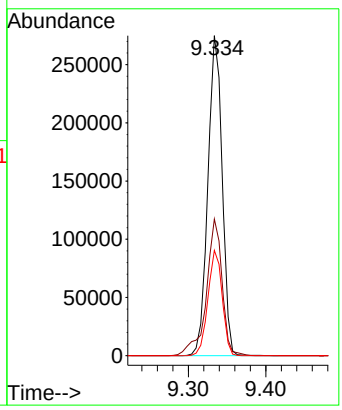


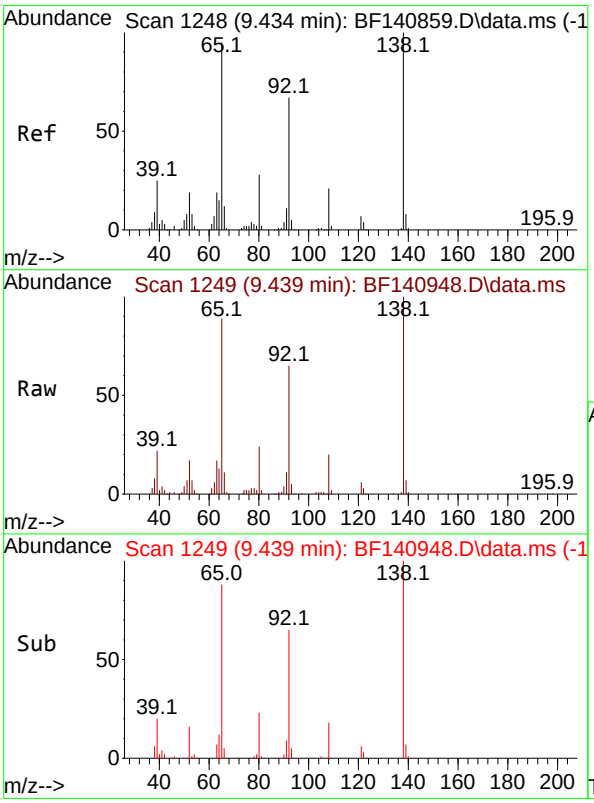

#47
2-Chloronaphthalene
Concen: 50.113 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:162 Resp: 352165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.7 | 33.5 | 50.3 |
| 164 | 32.9 | 26.2 | 39.2 |

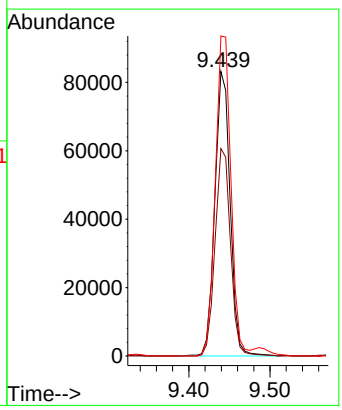


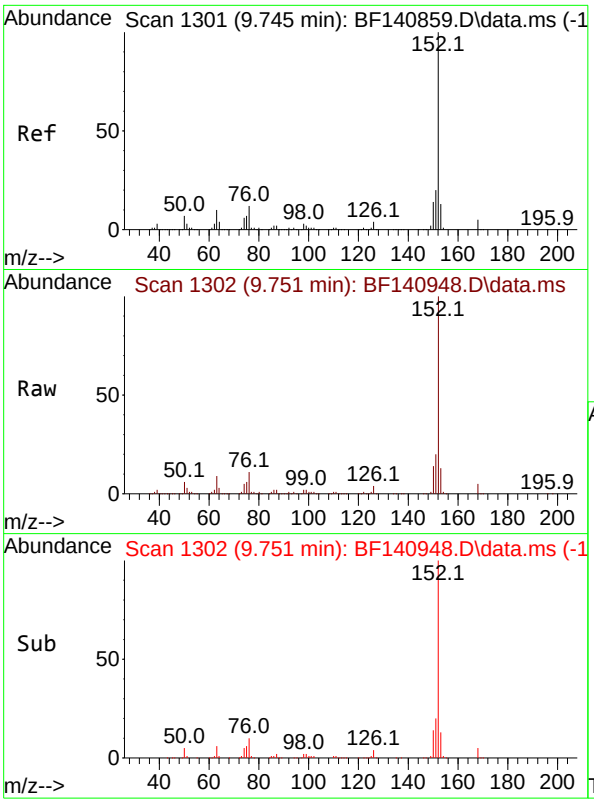




#48
2-Nitroaniline
Concen: 51.395 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 65 Resp: 109079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.9 | 56.3 | 84.5 |
| 138 | 112.5 | 83.8 | 125.6 |



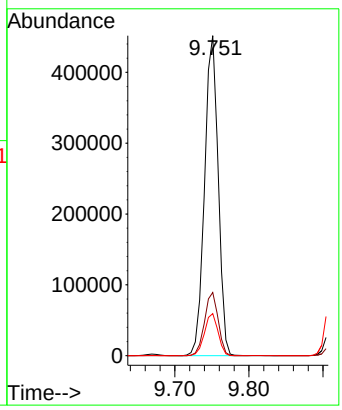


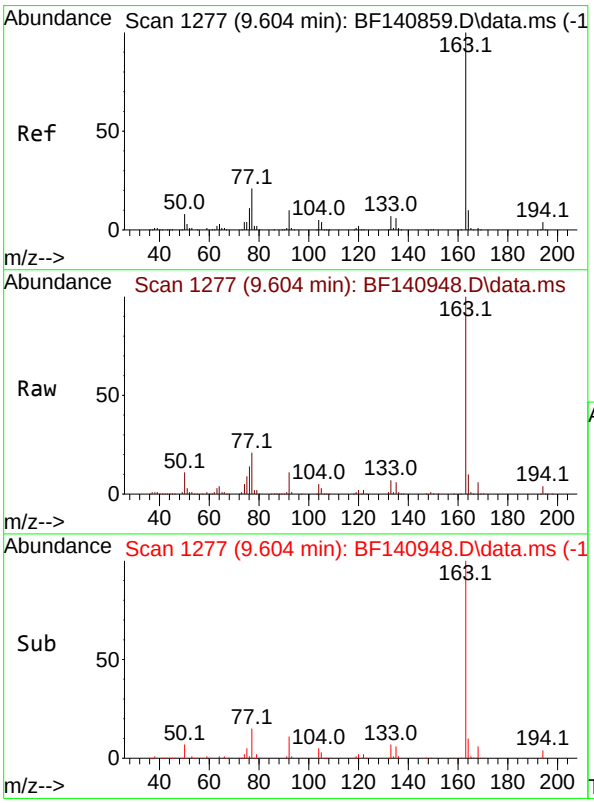

#49
Acenaphthylene
Concen: 55.834 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:152 Resp: 576620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 16.0 |

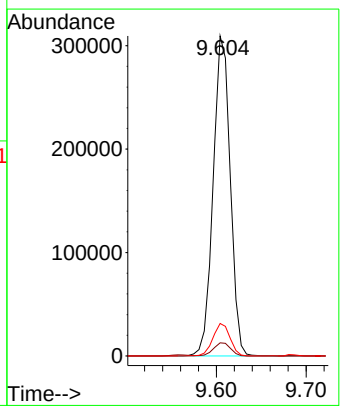


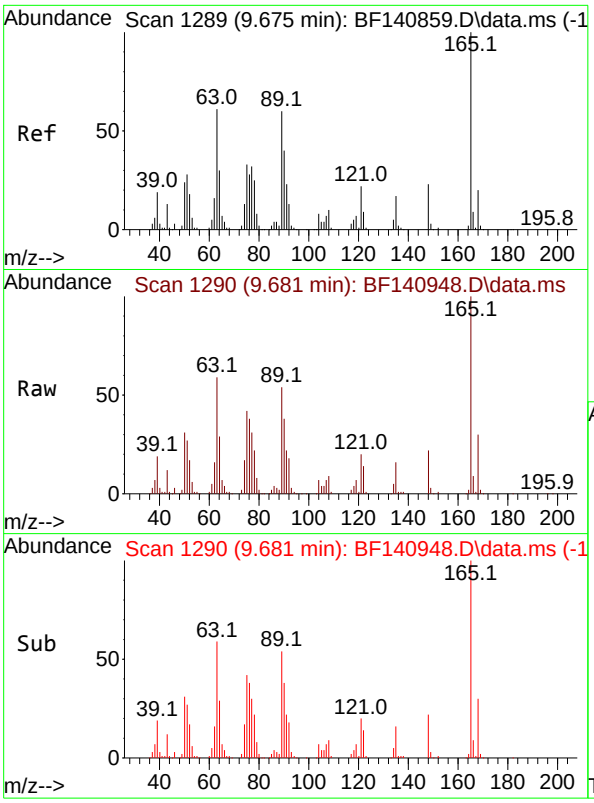




#50
Dimethylphthalate
Concen: 50.222 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:163 Resp: 409034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.1 | 8.1 | 12.1 |



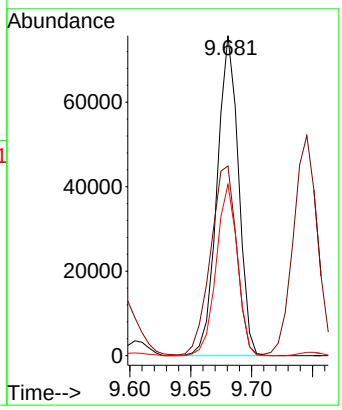


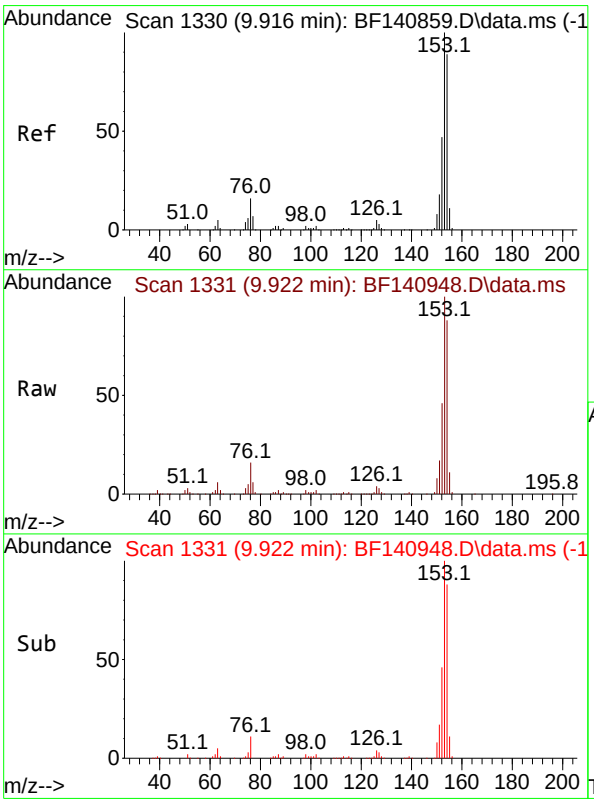

#51
2,6-Dinitrotoluene
Concen: 49.668 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:165 Resp: 92478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.3 | 49.7 | 74.5 |
| 89 | 53.5 | 48.2 | 72.4 |

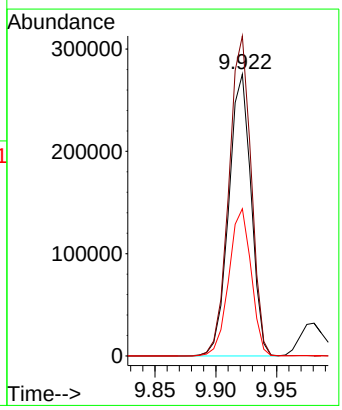


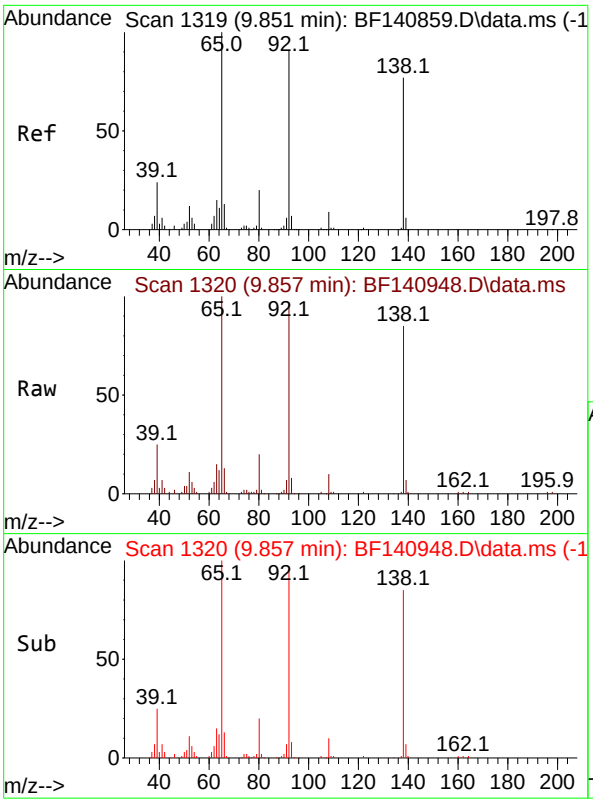




#52
Acenaphthene
Concen: 53.237 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:154 Resp: 351200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 89.9 | 134.9 |
| 152 | 52.3 | 42.6 | 63.8 |



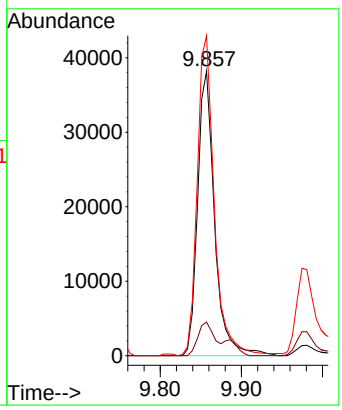


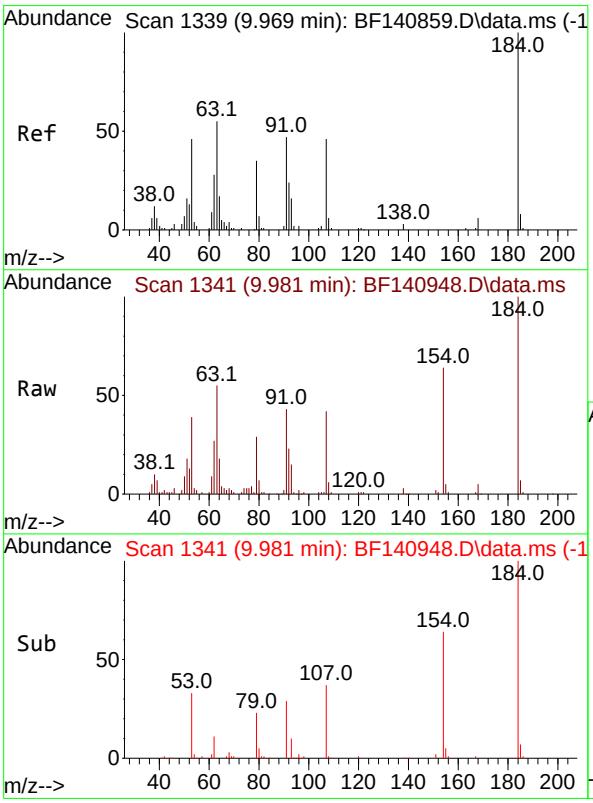

#53
3-Nitroaniline
Concen: 30.057 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:138 Resp: 55538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 9.0 | 13.4 |
| 92 | 112.5 | 95.5 | 143.3 |

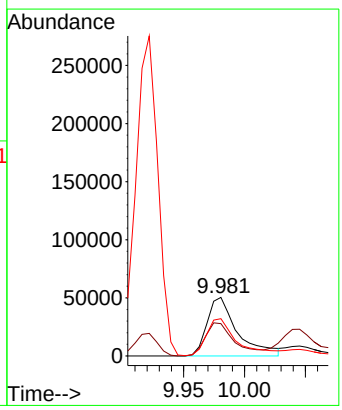


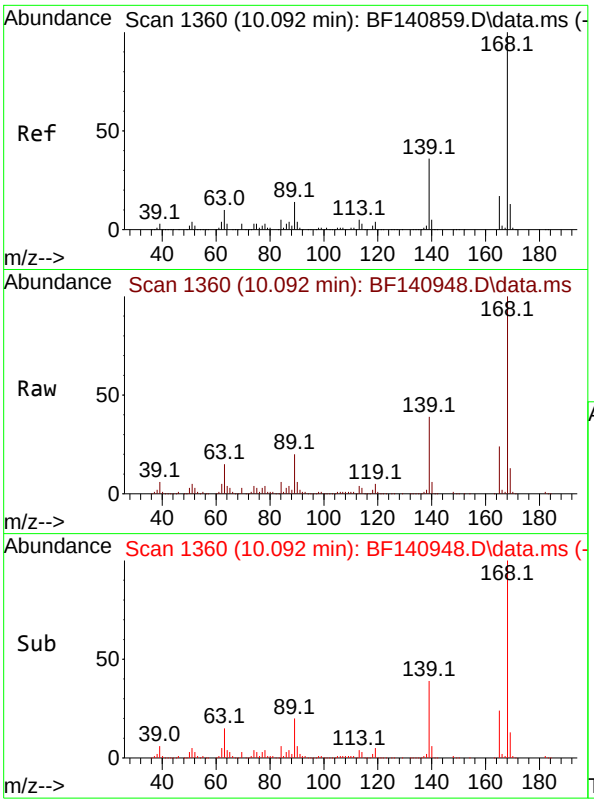




#54
2,4-Dinitrophenol
Concen: 95.155 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:184 Resp: 87671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.3 | 51.6 | 77.4 |
| 154 | 63.7 | 56.1 | 84.1 |



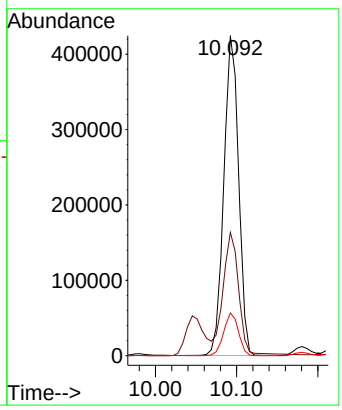


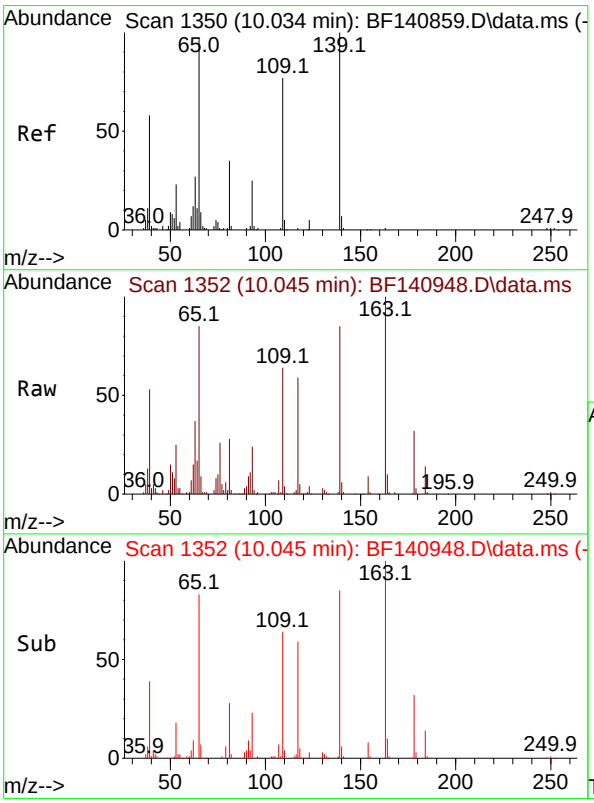

#55
Dibenzofuran
Concen: 52.577 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:168 Resp: 537457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 31.1 | 46.7 |
| 169 | 13.4 | 10.6 | 16.0 |

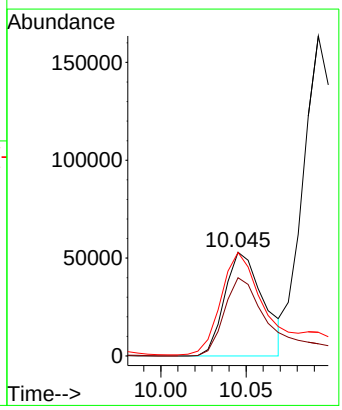


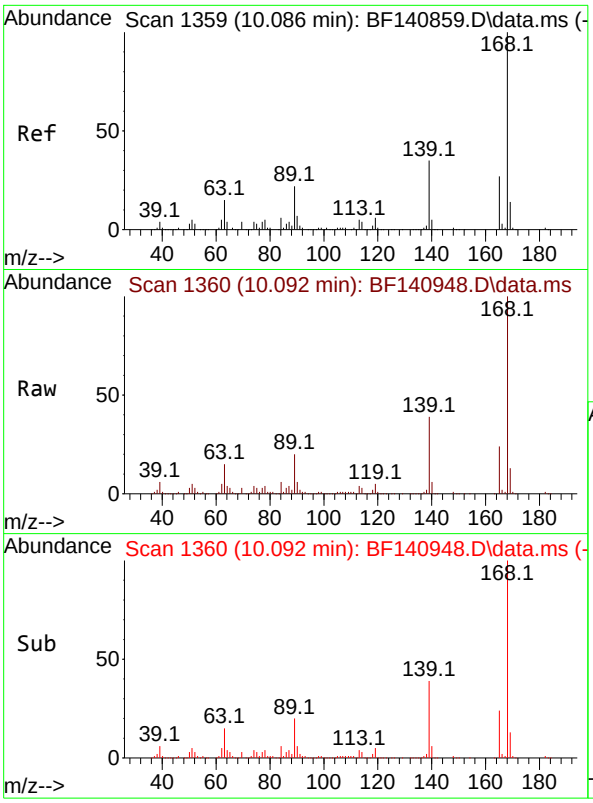




#56
4-Nitrophenol
Concen: 83.625 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:139 Resp: 83327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 75.4 | 56.7 | 96.7 |
| 65 | 99.8 | 78.1 | 118.1 |



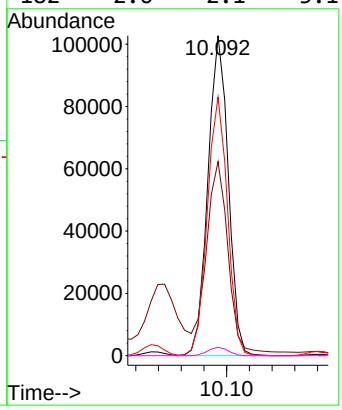


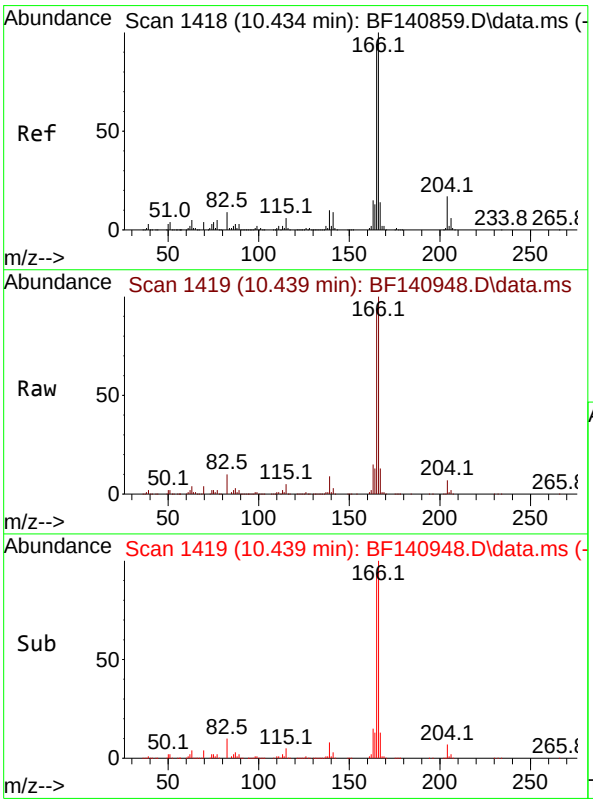

#57
2,4-Dinitrotoluene
Concen: 52.166 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:165 Resp: 127795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 60.7 | 49.3 | 73.9 |
| 89 | 80.8 | 66.2 | 99.4 |
| 182 | 2.6 | 2.1 | 3.1 |

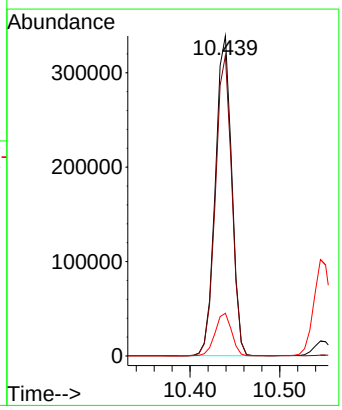


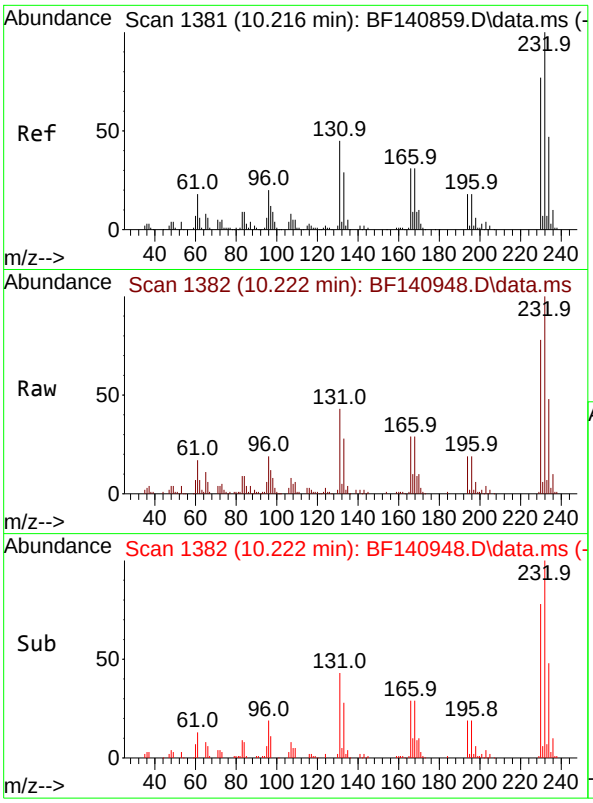




#58
Fluorene
Concen: 50.841 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:166 Resp: 428757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.9 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |



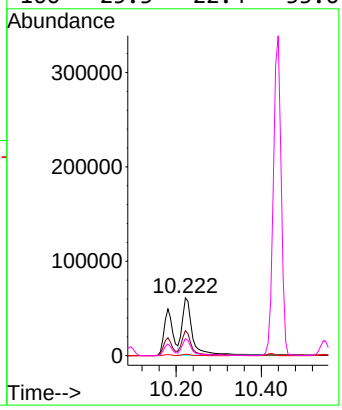


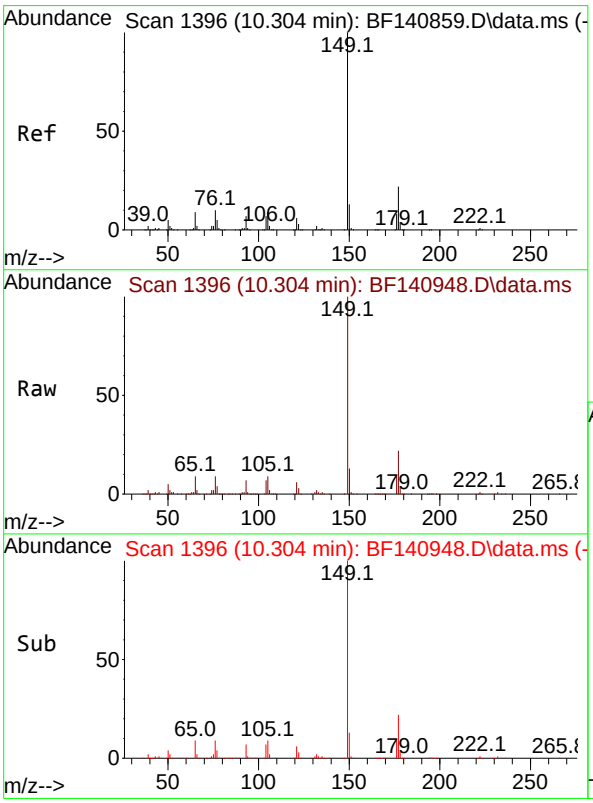

#59
2,3,4,6-Tetrachlorophenol
Concen: 52.272 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:232 Resp: 101786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 37.4 | 35.1 | 52.7 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 25.3 | 22.4 | 33.6 |

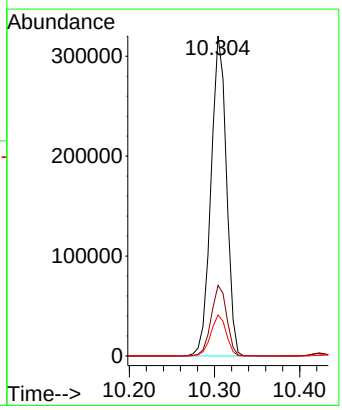


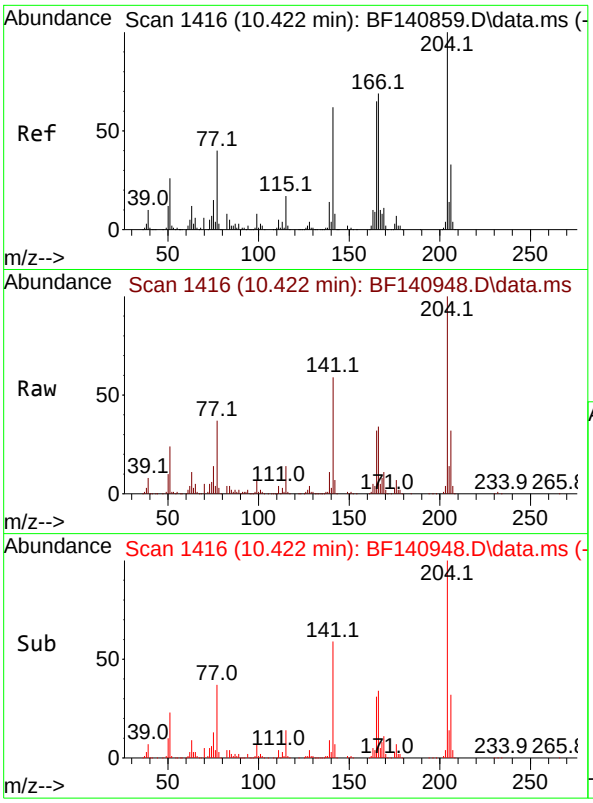




#60
Diethylphthalate
Concen: 47.990 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 405299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.2 | 25.8 |
| 150 | 12.8 | 10.1 | 15.1 |



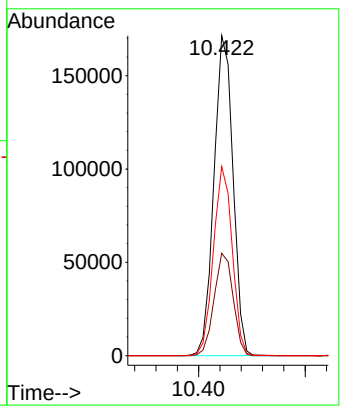


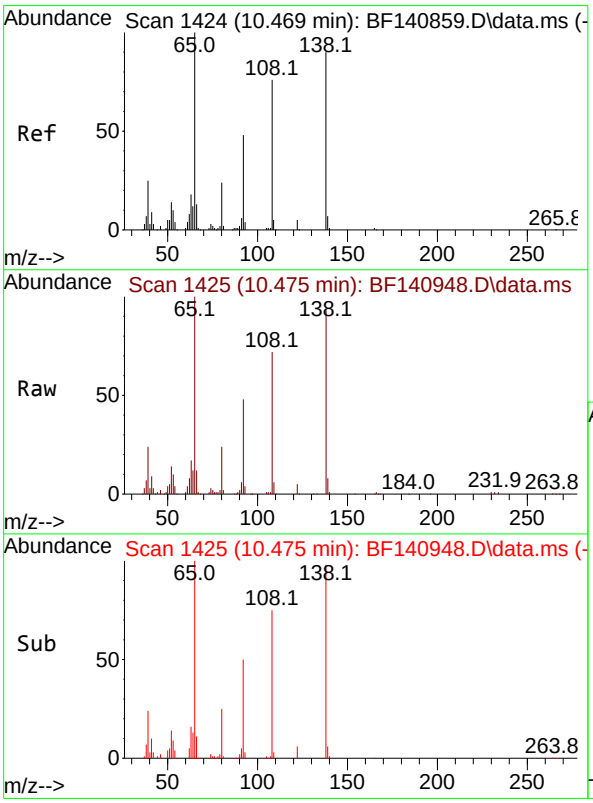

#61
4-Chlorophenyl-phenylether
Concen: 50.243 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:204 Resp: 212840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.0 | 26.5 | 39.7 |
| 141 | 59.1 | 50.0 | 75.0 |

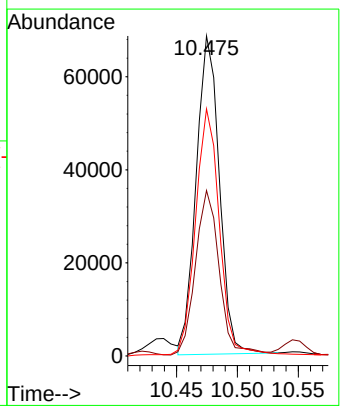


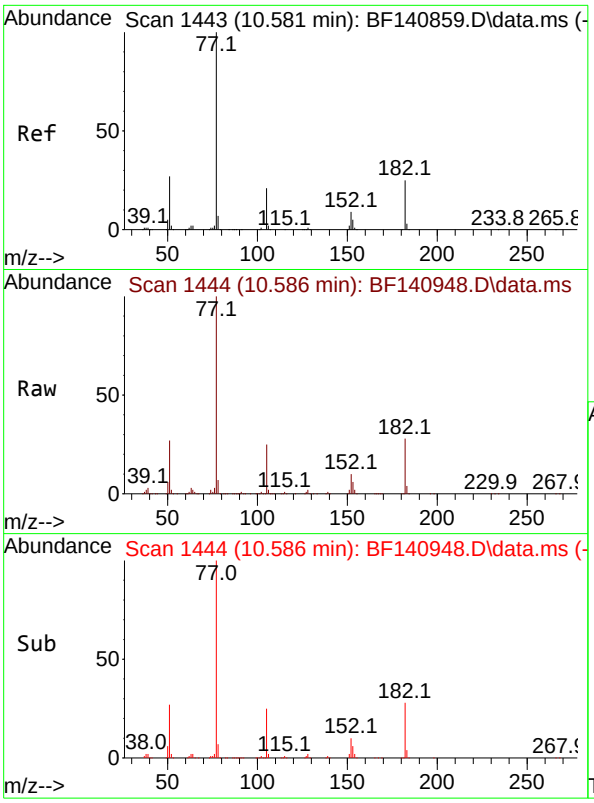




#62
4-Nitroaniline
Concen: 46.729 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:138 Resp: 90228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.7 | 32.6 | 72.6 |
| 108 | 77.2 | 64.1 | 104.1 |



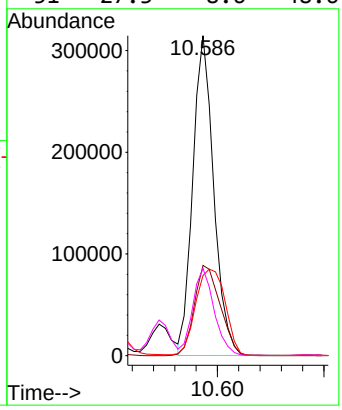


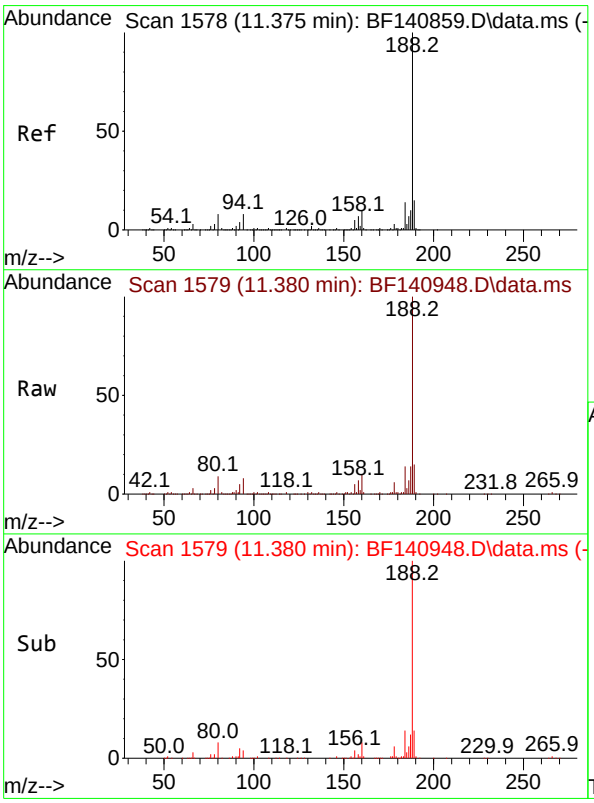

#63
Azobenzene
Concen: 54.056 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion: 77 Resp: 429196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.2 | 4.5 | 44.5 |
| 105 | 25.0 | 0.9 | 40.9 |
| 51 | 27.3 | 8.6 | 48.6 |

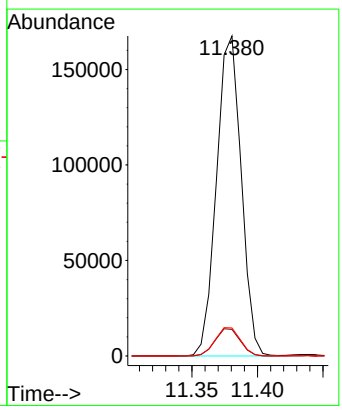


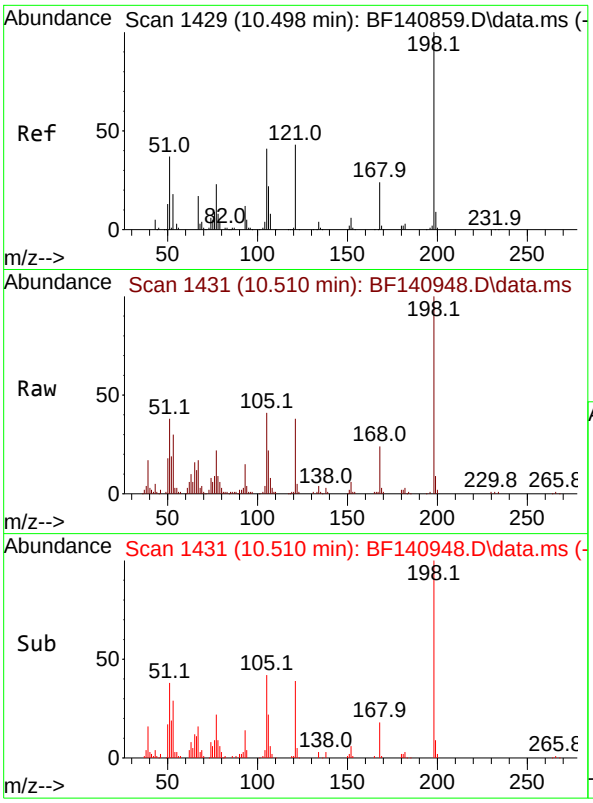




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:188 Resp: 219277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.4 | 9.6 |
| 80 | 8.7 | 6.8 | 10.2 |



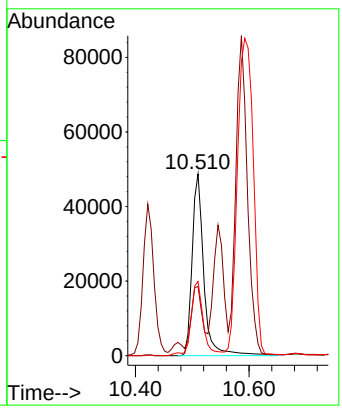


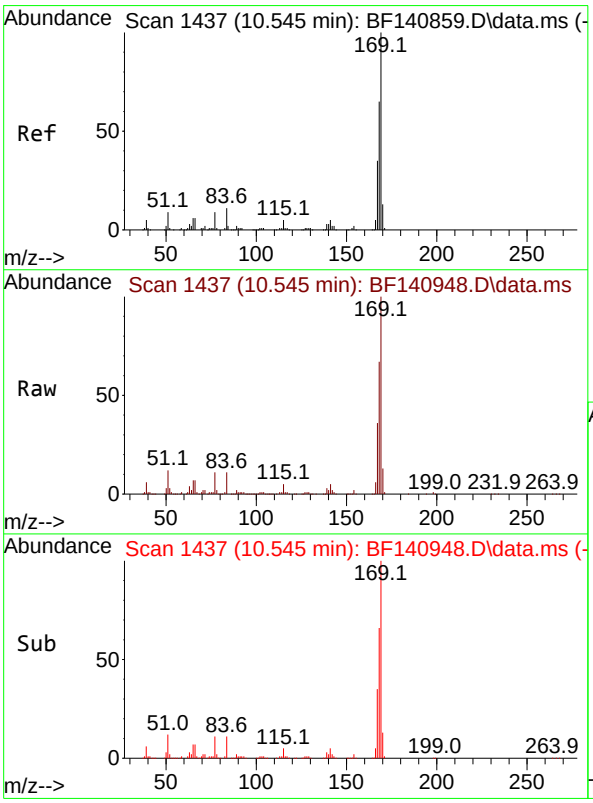

#65
4,6-Dinitro-2-methylphenol
Concen: 56.637 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:198 Resp: 70374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 38.1 | 24.4 | 64.4 |
| 105 | 40.9 | 22.1 | 62.1 |

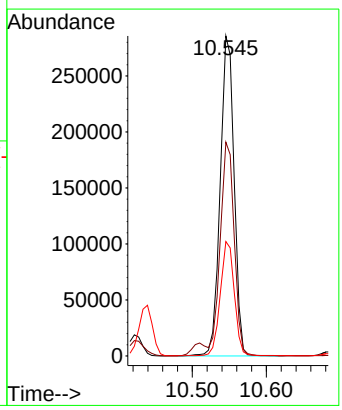


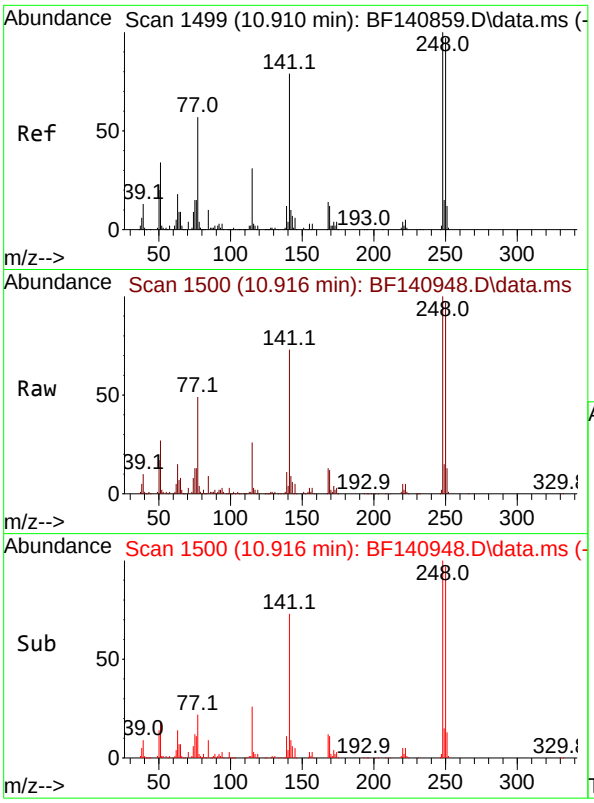




#66
n-Nitrosodiphenylamine
Concen: 55.234 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:169 Resp: 372378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.4 | 80.0 |
| 167 | 35.7 | 28.3 | 42.5 |



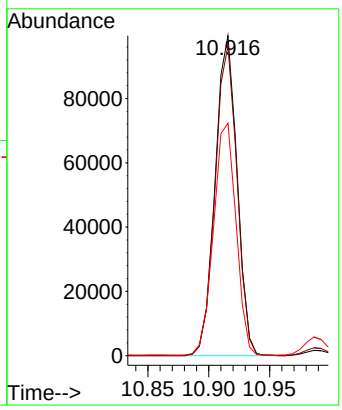


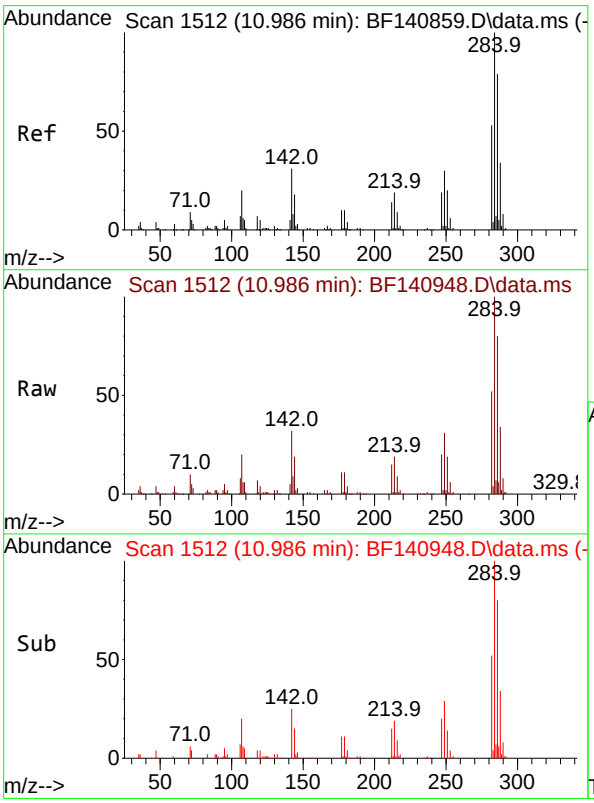

#67
4-Bromophenyl-phenylether
Concen: 50.908 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:248 Resp: 124883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.4 | 116.2 |
| 141 | 72.6 | 62.9 | 94.3 |

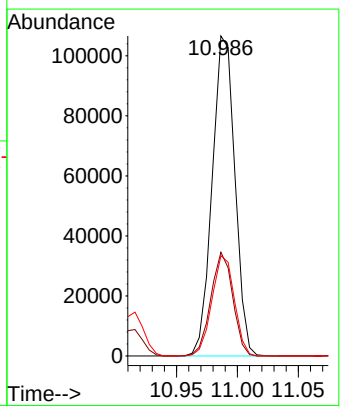


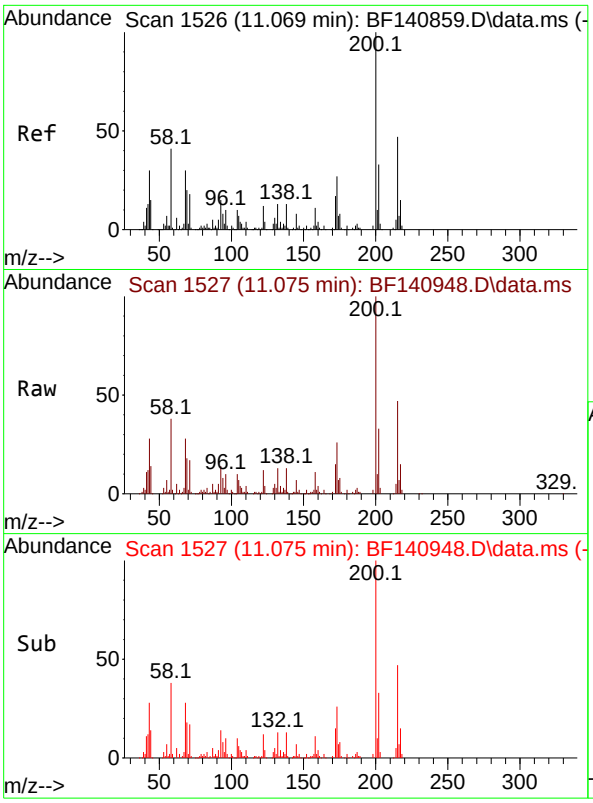




#68
Hexachlorobenzene
Concen: 49.700 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:284 Resp: 138231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 24.6 | 36.8 |
| 249 | 31.3 | 24.3 | 36.5 |



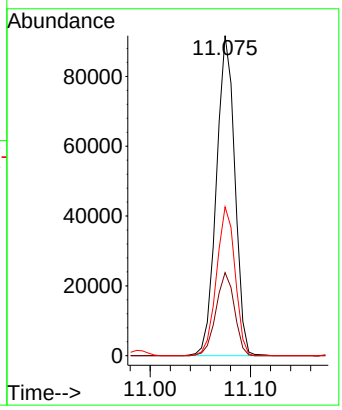


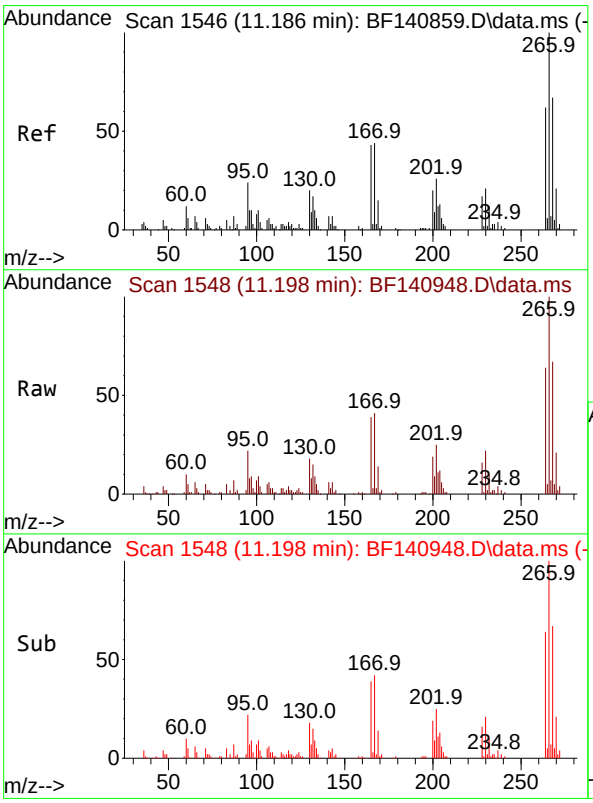

#69
Atrazine
Concen: 62.062 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:200 Resp: 116856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 6.6 | 46.6 |
| 215 | 46.5 | 26.7 | 66.7 |

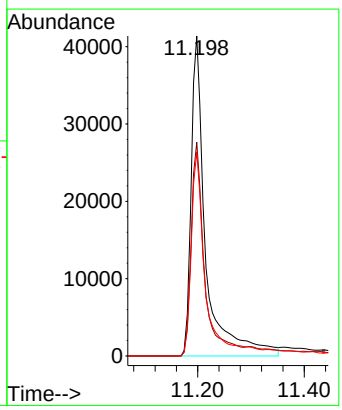


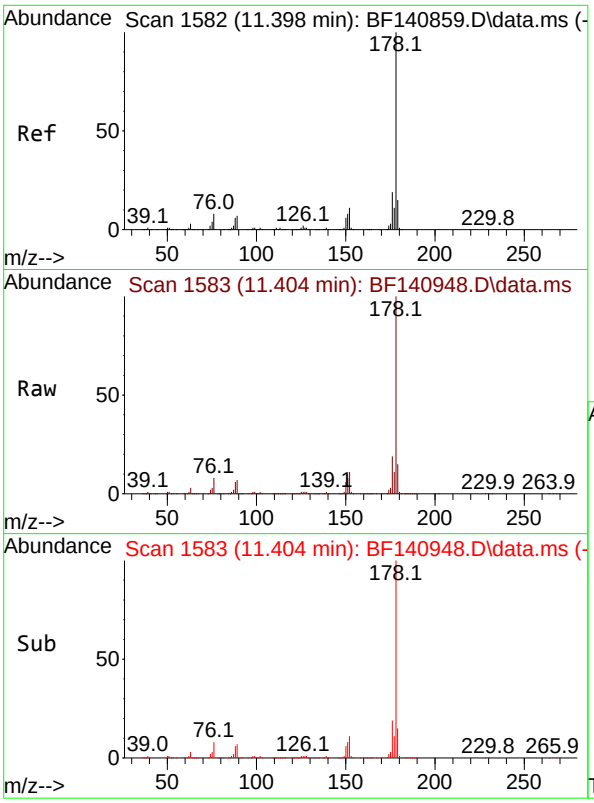




#70
Pentachlorophenol
Concen: 77.662 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:266 Resp: 78972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.8 | 54.0 | 81.0 |
| 264 | 63.8 | 49.4 | 74.2 |



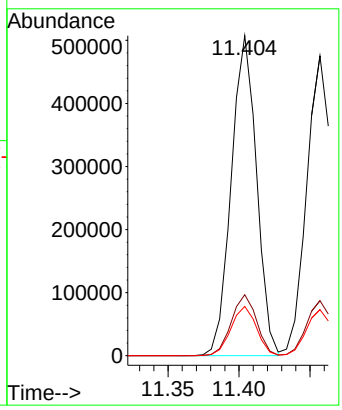


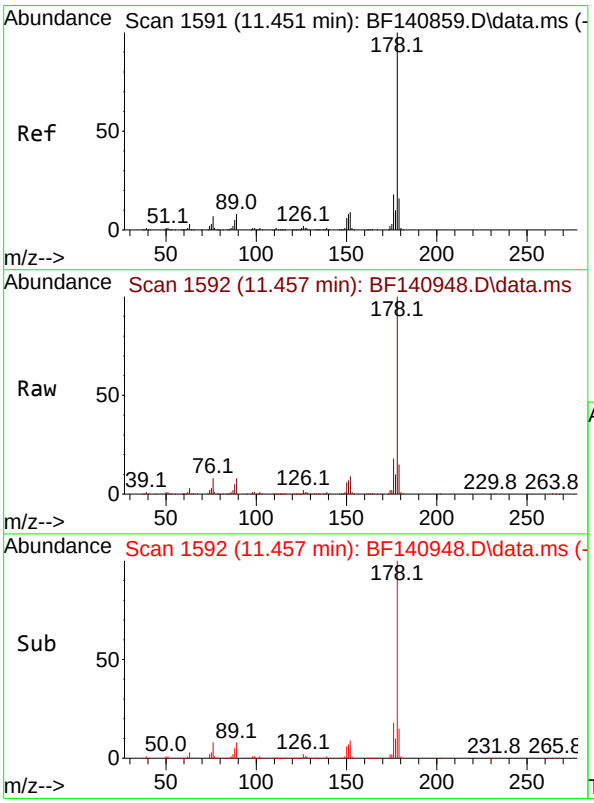

#71
Phenanthrene
Concen: 55.721 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:178 Resp: 628319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 15.4 | 12.1 | 18.1 |

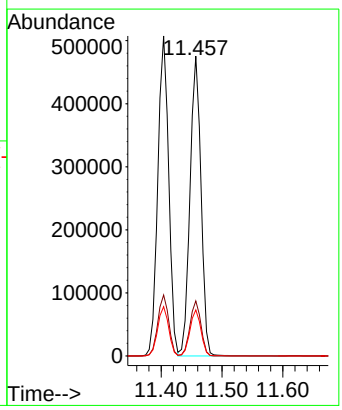


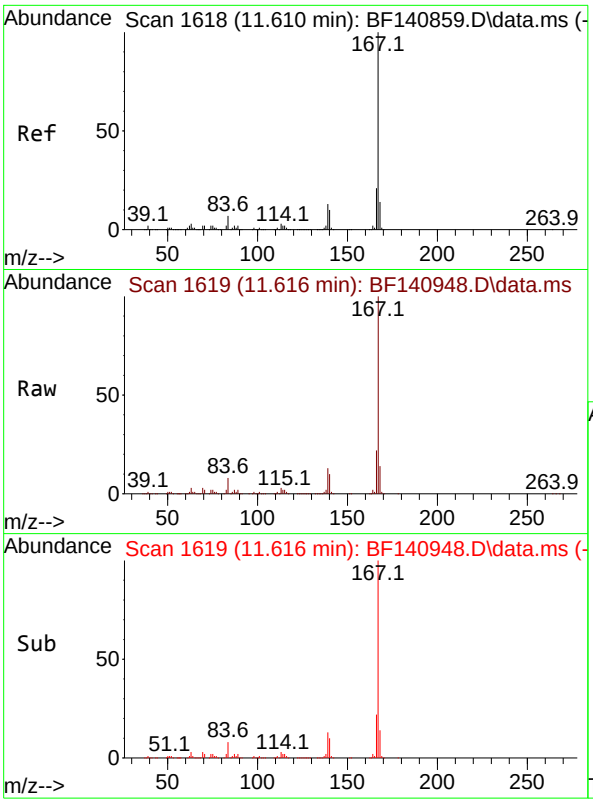




#72
Anthracene
Concen: 53.762 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:178 Resp: 597017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |



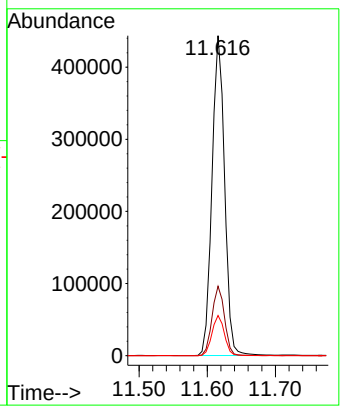


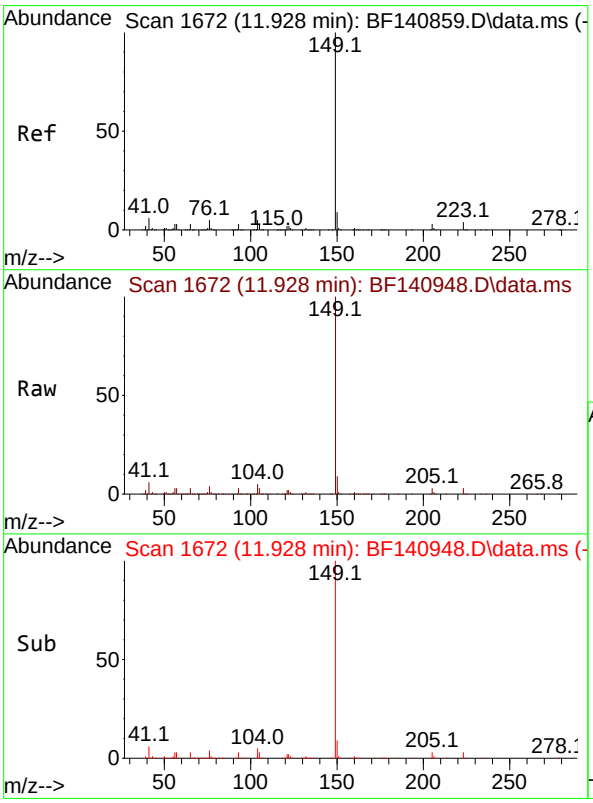

#73
Carbazole
Concen: 52.355 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:167 Resp: 569460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.0 | 25.6 |
| 139 | 12.5 | 10.2 | 15.2 |

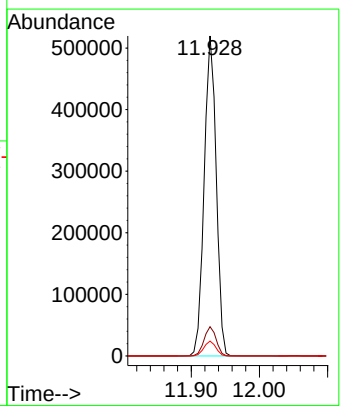


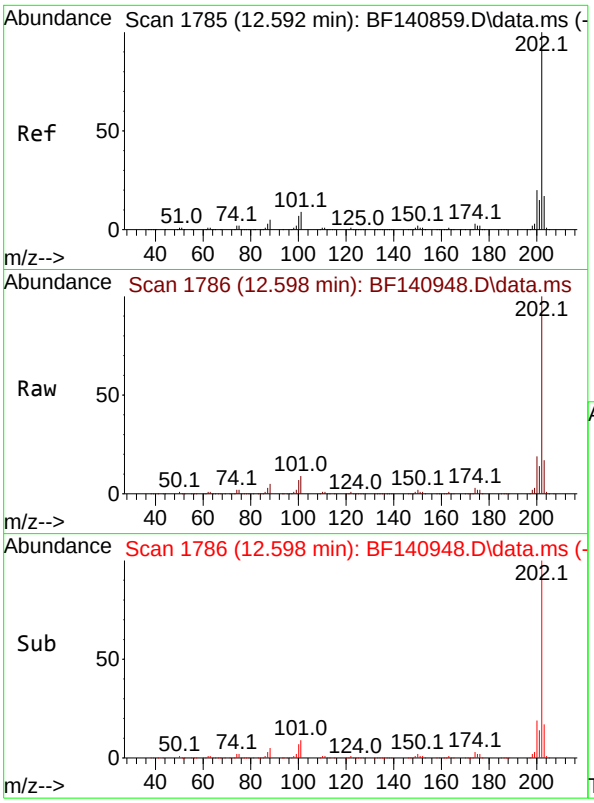




#74
Di-n-butylphthalate
Concen: 49.999 ng
RT: 11.928 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 638255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |



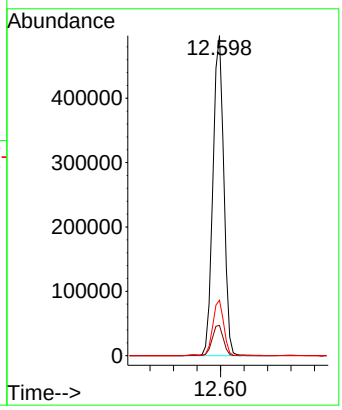


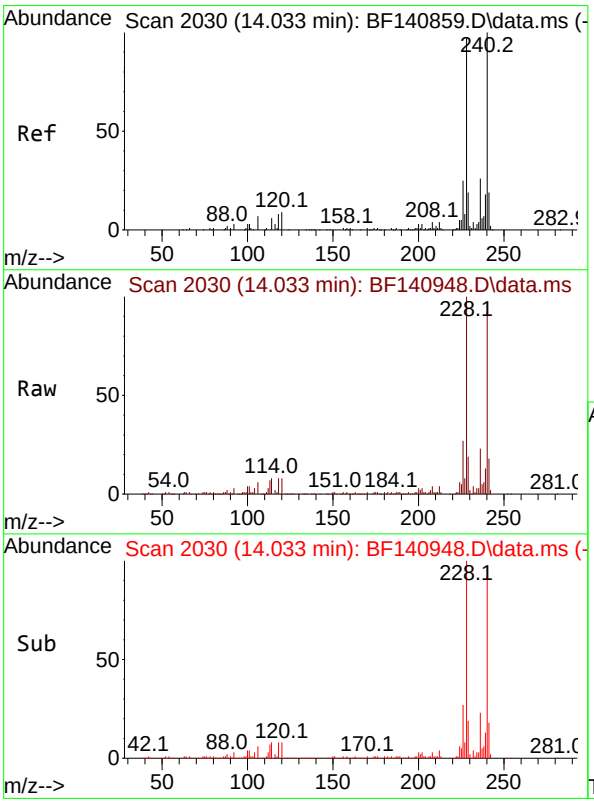

#75
Fluoranthene
Concen: 49.060 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:202 Resp: 637105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 29.3 |
| 203 | 17.4 | 0.0 | 37.4 |

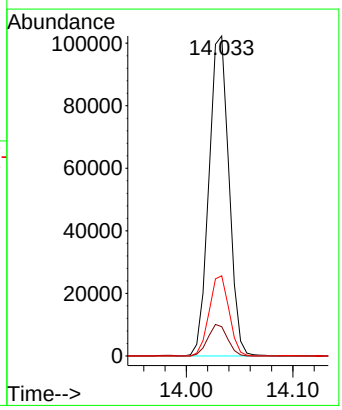


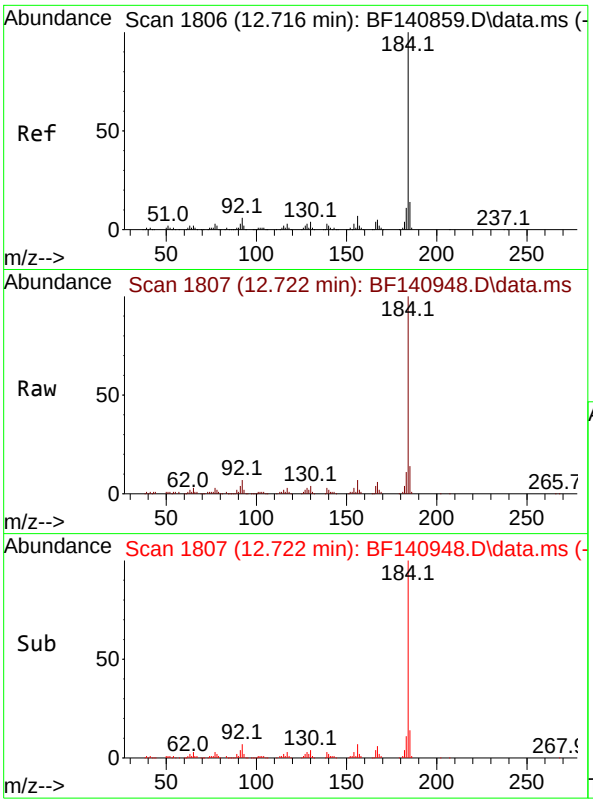




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:240 Resp: 133308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.6 | 11.4 |
| 236 | 25.1 | 20.5 | 30.7 |



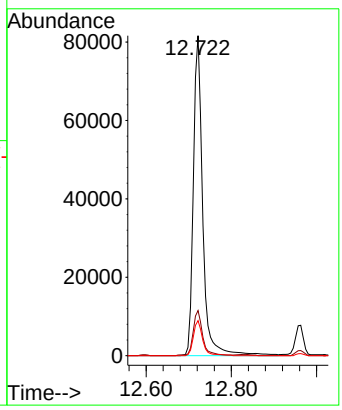


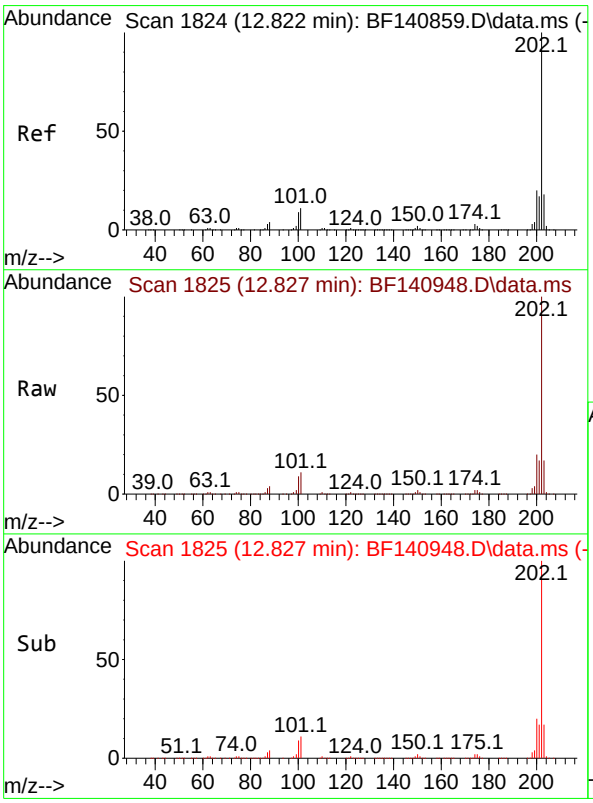

#77
Benzidine
Concen: 46.021 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:184 Resp: 125211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

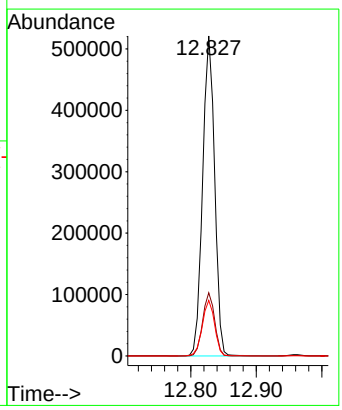


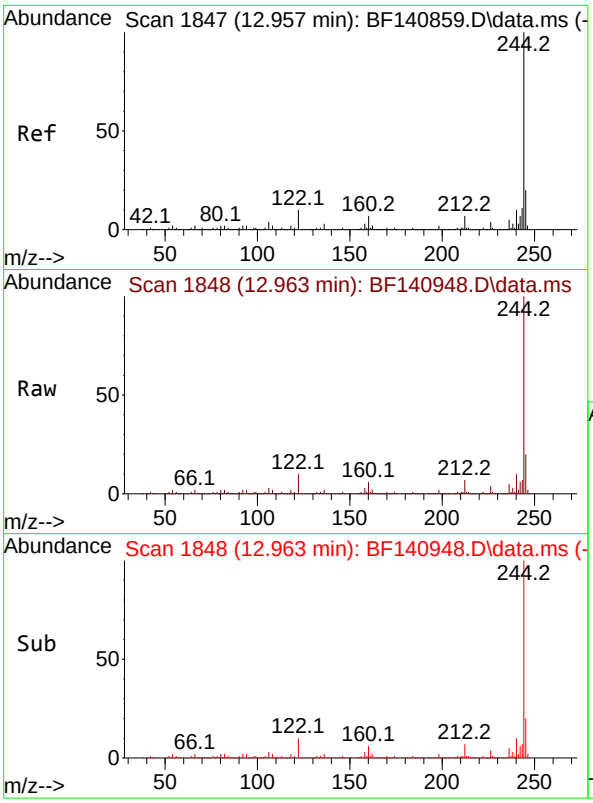




#78
Pyrene
Concen: 56.171 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:202 Resp: 665883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 16.1 | 24.1 |
| 203 | 17.4 | 14.2 | 21.4 |



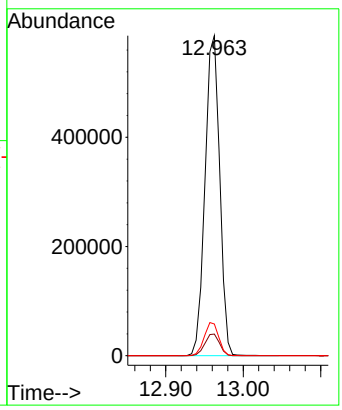


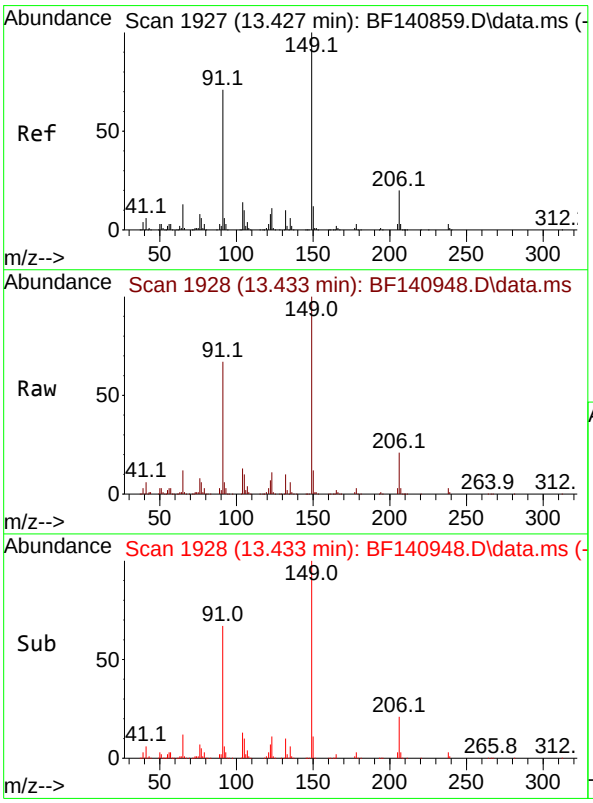

#79
Terphenyl-d14
Concen: 91.048 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:244 Resp: 769721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 9.9 | 8.2 | 12.2 |

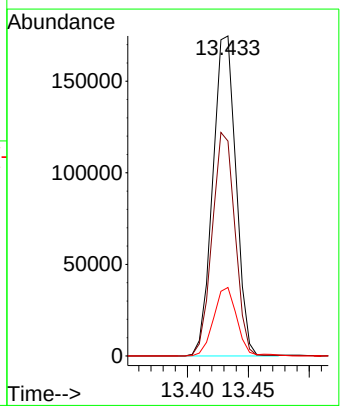


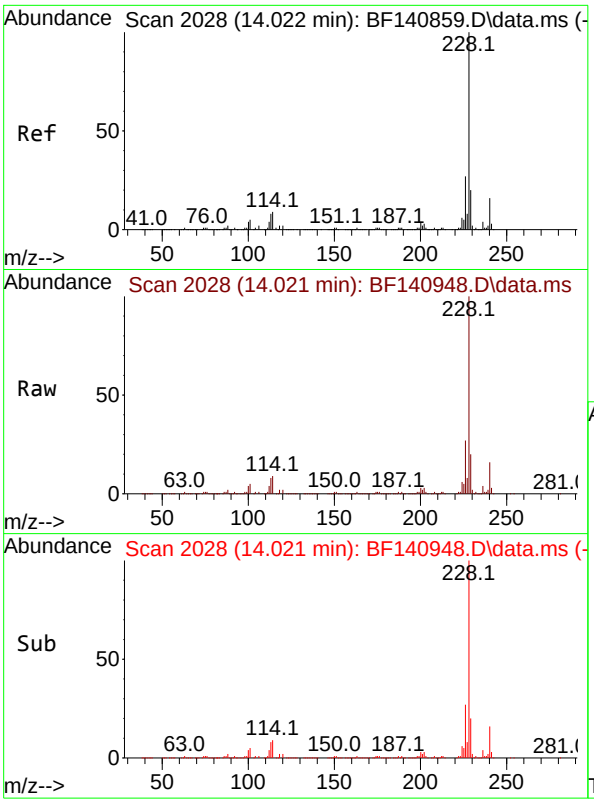




#80
Butylbenzylphthalate
Concen: 53.133 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 231762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.1 | 56.7 | 85.1 |
| 206 | 21.4 | 16.4 | 24.6 |



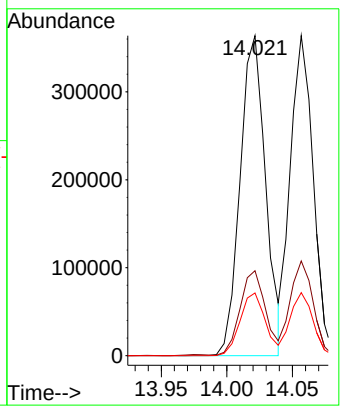


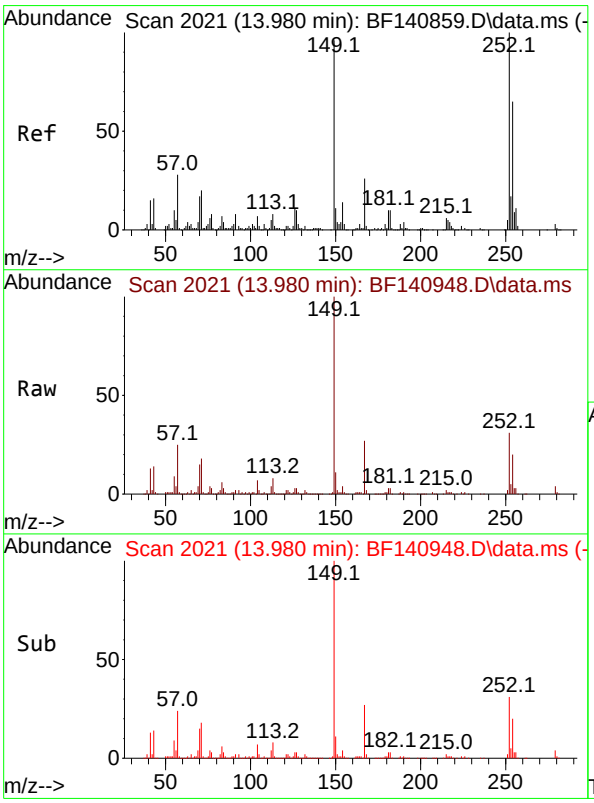

#81
Benzo(a)anthracene
Concen: 52.168 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:228 Resp: 492886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.8 | 32.8 |
| 229 | 19.6 | 15.8 | 23.8 |

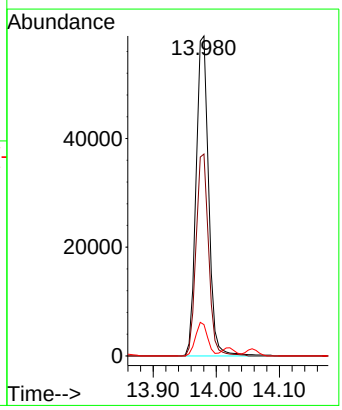


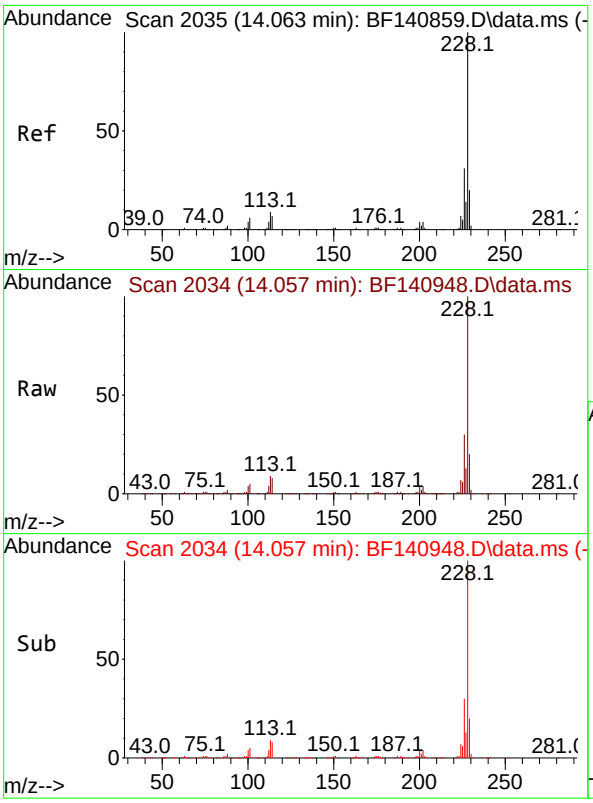




#82
3,3'-Dichlorobenzidine
Concen: 28.561 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 81414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.1 | 52.3 | 78.5 |
| 126 | 9.8 | 8.4 | 12.6 |



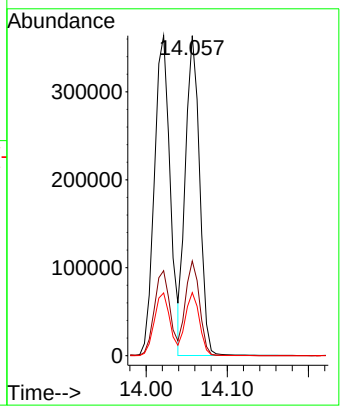


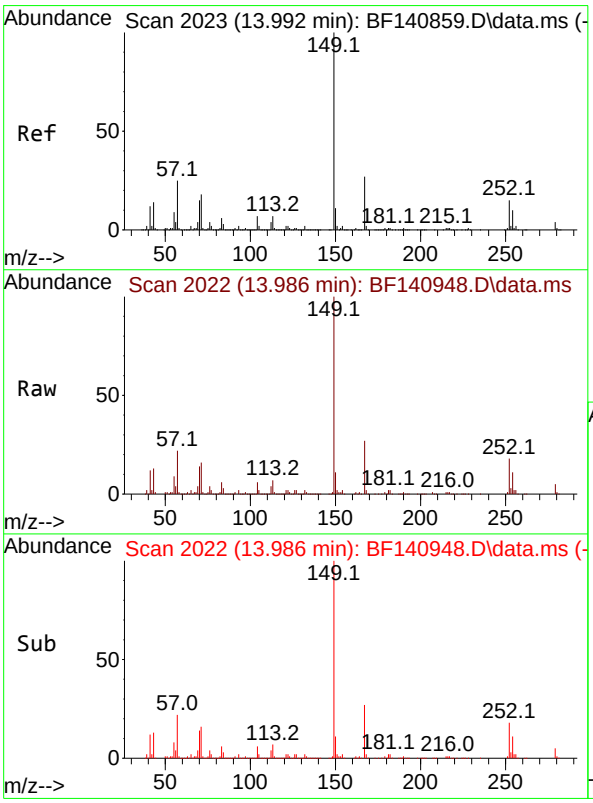

#83
Chrysene
Concen: 51.436 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:228 Resp: 441907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.1 | 36.1 |
| 229 | 19.7 | 16.0 | 24.0 |

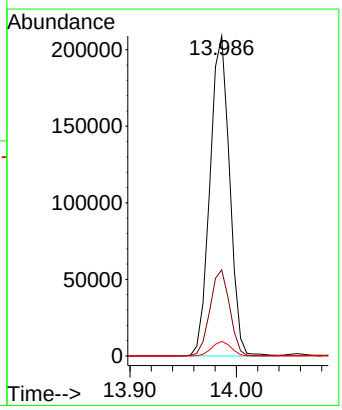


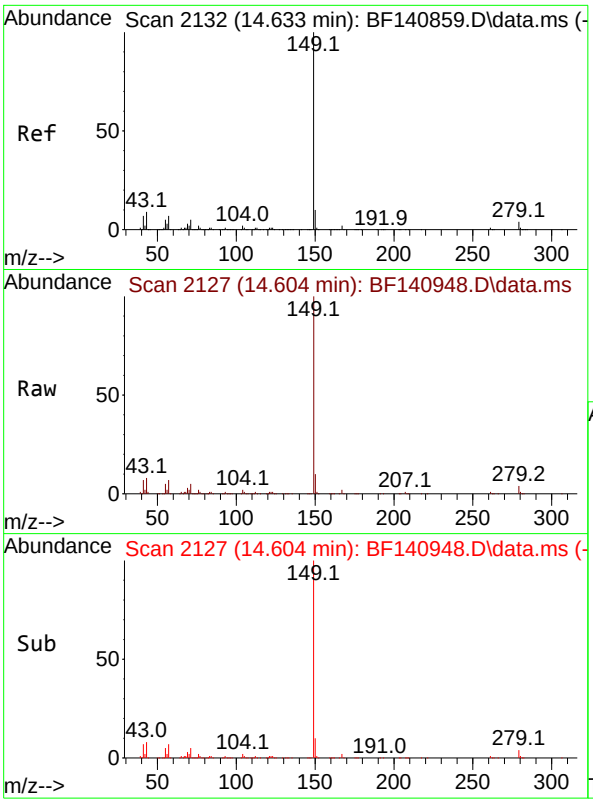




#84
Bis(2-ethylhexyl)phthalate
Concen: 47.624 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:149 Resp: 267856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.8 | 32.8 |
| 279 | 4.5 | 3.5 | 5.3 |



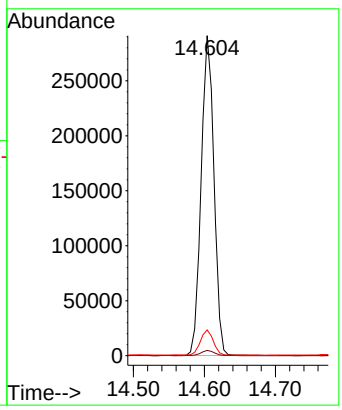


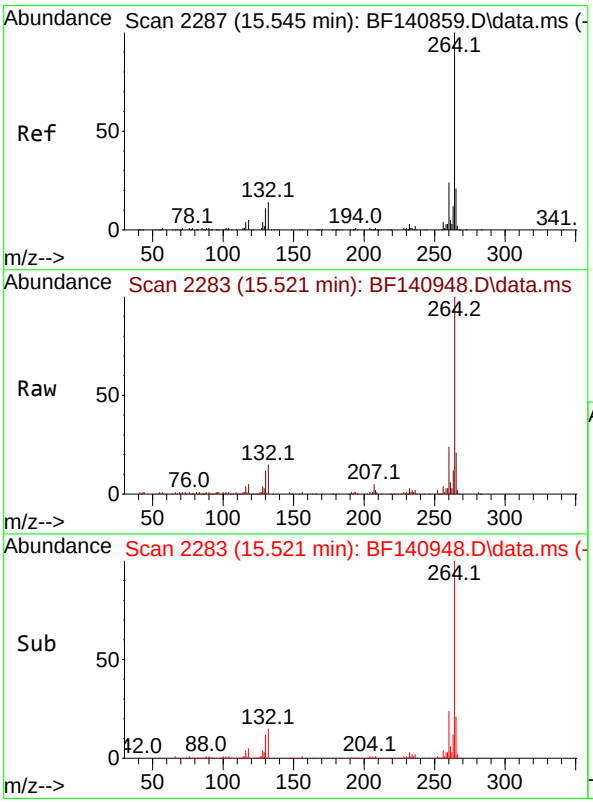

#85
Di-n-octyl phthalate
Concen: 42.906 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:149 Resp: 365090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.8 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |

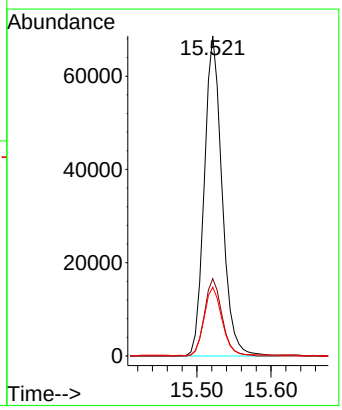


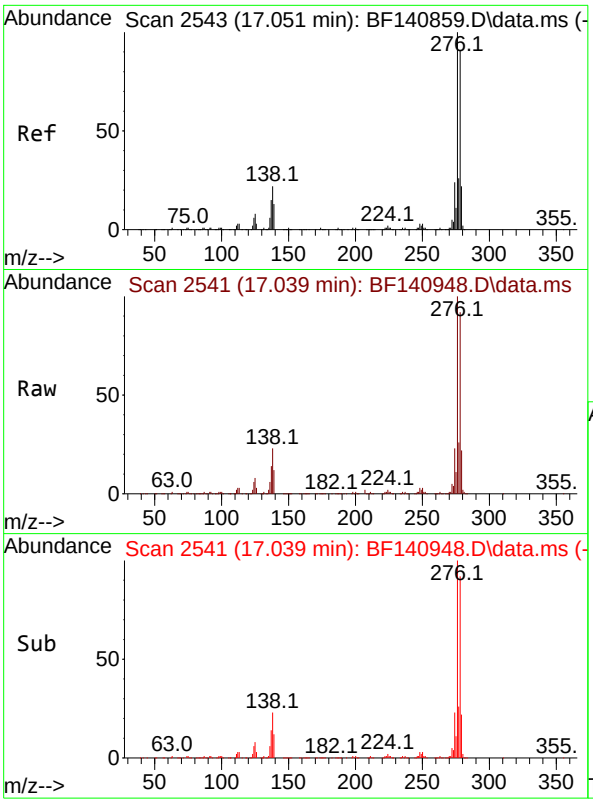




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:264 Resp: 114231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.1 | 28.7 |
| 265 | 21.5 | 17.0 | 25.4 |



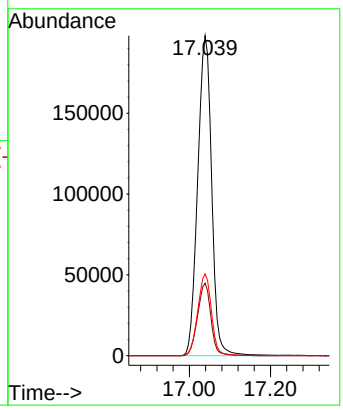


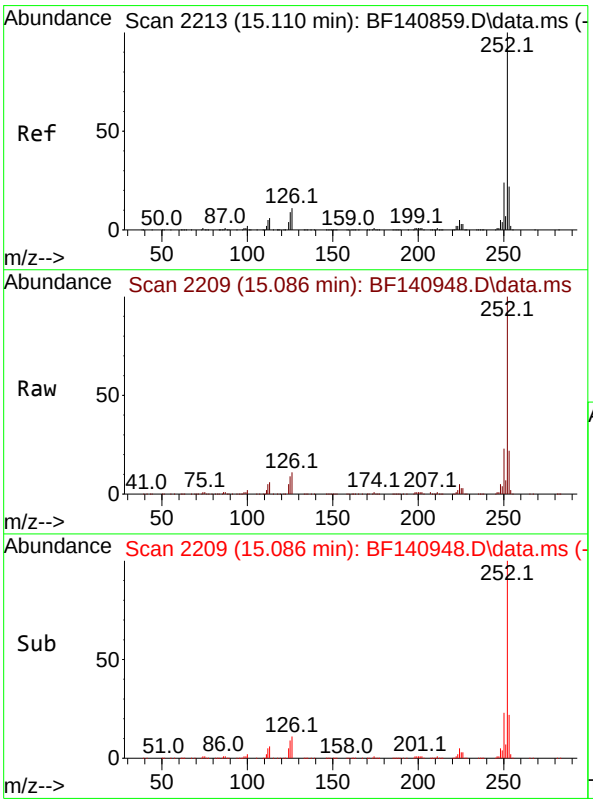

#87
Indeno(1,2,3-cd)pyrene
Concen: 66.539 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:276 Resp: 474317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.7 | 16.9 | 25.3 |
| 277 | 25.0 | 20.2 | 30.4 |

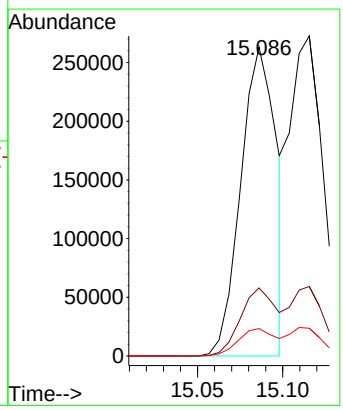


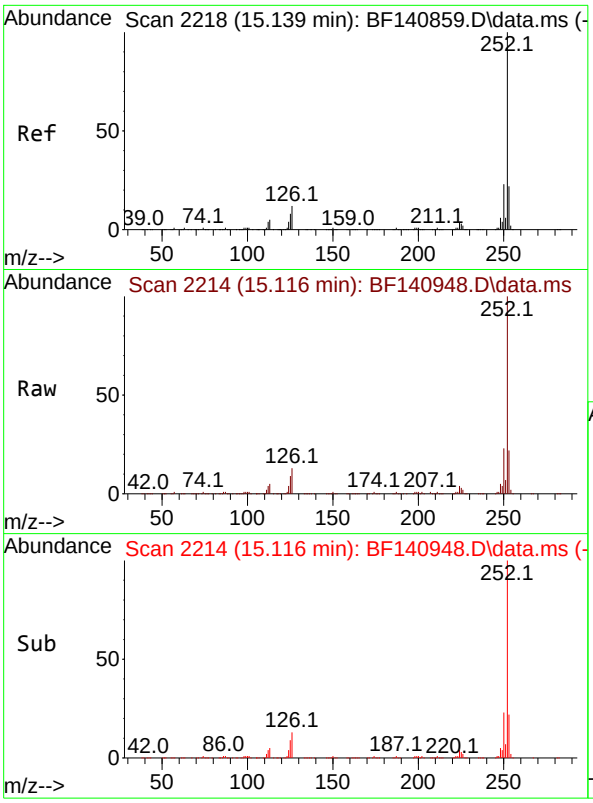




#88
Benzo(b)fluoranthene
Concen: 48.060 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 381086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |



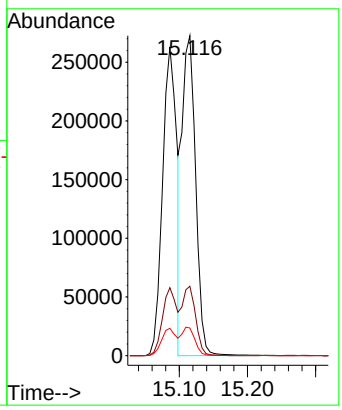


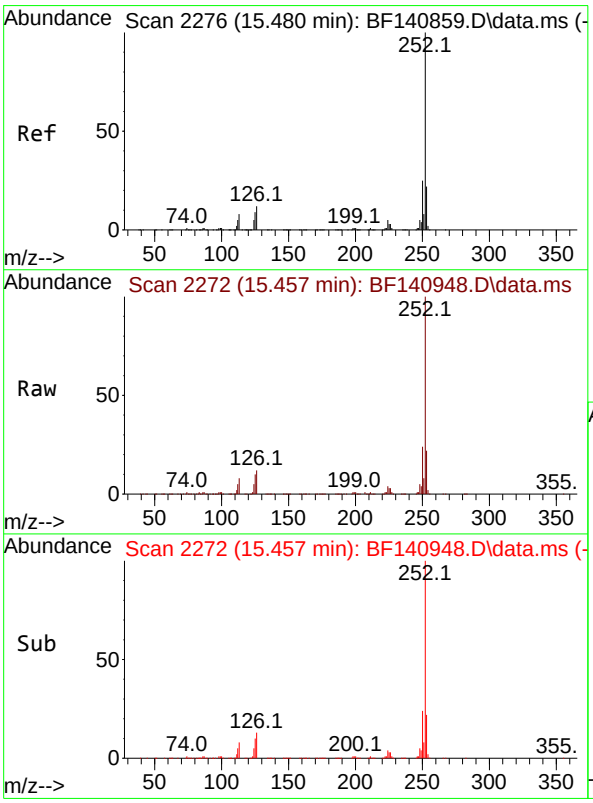

#89
Benzo(k)fluoranthene
Concen: 54.968 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:252 Resp: 373879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 8.7 | 6.8 | 10.2 |

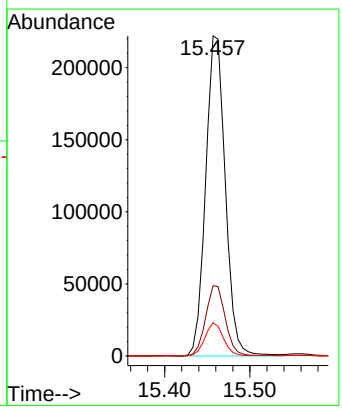


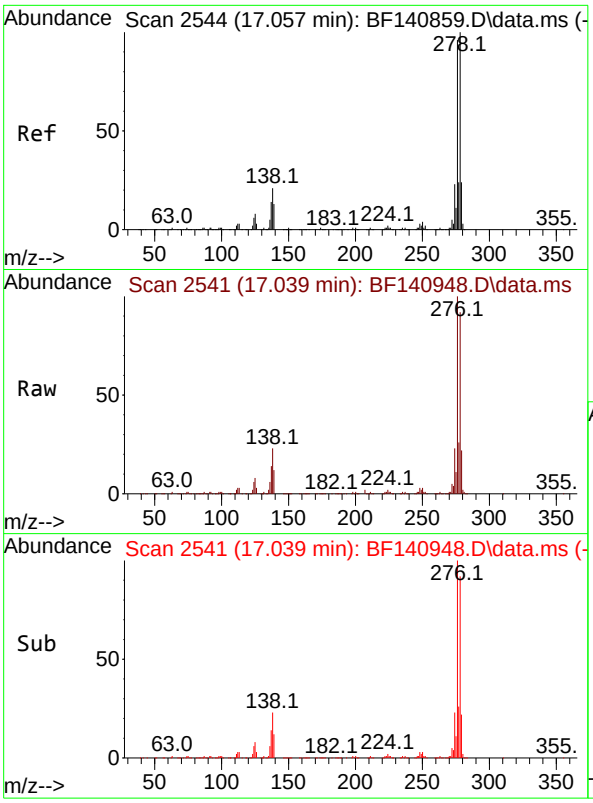




#90
Benzo(a)pyrene
Concen: 57.316 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 355872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 10.3 | 7.5 | 11.3 |



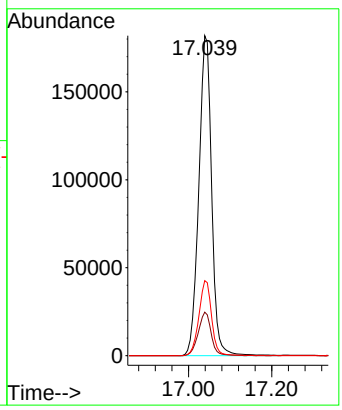


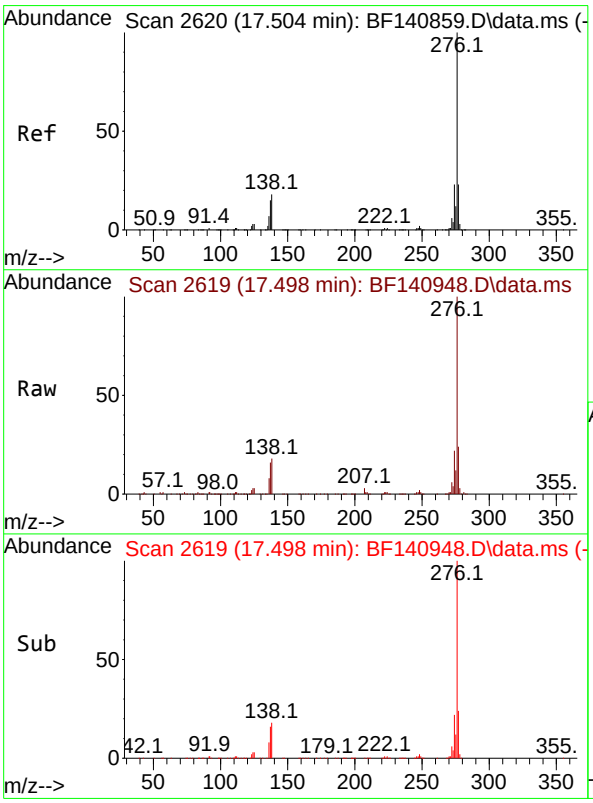

#91
Dibenzo(a,h)anthracene
Concen: 66.055 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MS

Tgt Ion:278 Resp: 390092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.6 | 10.6 | 16.0 |
| 279 | 23.5 | 19.2 | 28.8 |

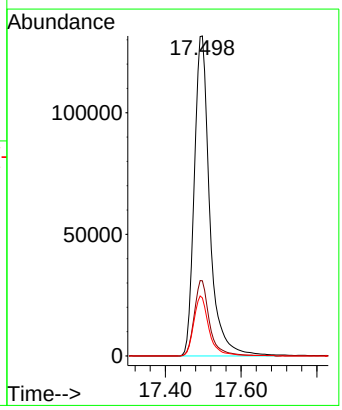



#92
Benzo(g,h,i)perylene
Concen: 62.119 ng
RT: 17.498 min Scan# 2619
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:276 Resp: 373367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.7 | 28.1 |
| 138 | 18.1 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 45949 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 175670 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 102157 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 188148 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 131096 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 15.562 | 264 | 113765 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 397303 | 142.339 | ng | | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 518890 | 140.353 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 315005 | 89.714 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 162262 | 134.298 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 644674 | 86.762 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.963 | 244 | 767138 | 92.274 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 57585 | 47.896 | ng | | 98 |
| 3) Pyridine | 3.481 | 79 | 136795 | 49.130 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.434 | 42 | 71728 | 51.102 | ng | | 96 |
| 6) Aniline | 6.516 | 93 | 130848 | 41.394 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.645 | 128 | 172137 | 56.552 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 33958 | 16.577 | ng | | 99 |
| 10) Phenol | 6.516 | 94 | 224652 | 58.630 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 152512 | 53.372 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.786 | 146 | 181700 | 52.387 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 185568 | 52.708 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 176510 | 53.137 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 151766 | 57.414 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 177636 | 52.770 | ng | | 91 |
| 17) 2-Methylphenol | 7.122 | 107 | 138692 | 57.071 | ng | | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 66118 | 50.446 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 119168 | 53.736 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 185300 | 57.503 | ng | # | 82 |
| 22) Acetophenone | 7.263 | 105 | 241328 | 54.917 | ng | | 94 |
| 24) Nitrobenzene | 7.439 | 77 | 180083 | 50.063 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 314395 | 53.439 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 94485 | 57.032 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 127969 | 66.141 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.881 | 93 | 188944 | 51.420 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 149408 | 55.934 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 153263 | 50.051 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 517245 | 53.602 | ng | | 99 |
| 32) Benzoic acid | 7.945 | 122 | 71840 | 39.151 | ng | | 97 |
| 33) 4-Chloroaniline | 8.210 | 127 | 70709 | 22.062 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 100776 | 48.916 | ng | | 100 |
| 35) Caprolactam | 8.592 | 113 | 34636 | 43.555 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 163449 | 54.366 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 343391 | 53.795 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.945 | 142 | 318541 | 50.458 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 169136 | 53.866 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 31402 | 41.662 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 102644 | 53.386 | ng | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 107412 | 50.828 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 433578 | 53.374 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.333 | 162 | 319959 | 51.486 | ng | 98 |
| 48) 2-Nitroaniline | 9.439 | 65 | 100764 | 53.688 | ng | 94 |
| 49) Acenaphthylene | 9.751 | 152 | 529169 | 57.943 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 378063 | 52.492 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 84402 | 51.261 | ng | 95 |
| 52) Acenaphthene | 9.922 | 154 | 324577 | 55.638 | ng | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 49243 | 30.137 | ng | 93 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 79873 | 97.834 | ng | 93 |
| 55) Dibenzofuran | 10.092 | 168 | 493268 | 54.567 | ng | 100 |
| 56) 4-Nitrophenol | 10.045 | 139 | 72978 | 82.863 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 113633 | 52.453 | ng | 99 |
| 58) Fluorene | 10.439 | 166 | 397342 | 53.279 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 97009 | 56.336 | ng | 91 |
| 60) Diethylphthalate | 10.304 | 149 | 376001 | 50.345 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 193903 | 51.761 | ng | 98 |
| 62) 4-Nitroaniline | 10.474 | 138 | 80656 | 47.236 | ng | 97 |
| 63) Azobenzene | 10.586 | 77 | 404359 | 57.590 | ng | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 64685 | 60.672 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 341229 | 58.988 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 117531 | 55.838 | ng | 96 |
| 68) Hexachlorobenzene | 10.992 | 284 | 133215 | 55.821 | ng | 98 |
| 69) Atrazine | 11.074 | 200 | 111739 | 69.163 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 74523 | 85.412 | ng | 98 |
| 71) Phenanthrene | 11.404 | 178 | 569035 | 58.813 | ng | 99 |
| 72) Anthracene | 11.457 | 178 | 585440 | 61.442 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 541131 | 57.981 | ng | 100 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 577959 | 52.767 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 628778 | 56.429 | ng | 100 |
| 77) Benzidine | 12.721 | 184 | 132623 | 49.567 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 642867 | 55.145 | ng | 100 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 231266 | 53.914 | ng | 97 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 508709 | 54.752 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 84711 | 30.219 | ng | 98 |
| 83) Chrysene | 14.068 | 228 | 458342 | 54.249 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149 | 277592 | 50.188 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 383542 | 45.836 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.086 | 276 | 486592 | 68.540 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.127 | 252 | 420442 | 53.241 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.151 | 252 | 378547 | 55.882 | ng | 100 |
| 90) Benzo(a)pyrene | 15.504 | 252 | 372093 | 60.174 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.092 | 278 | 395812 | 67.298 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.545 | 276 | 366040 | 61.149 | ng | 99 |

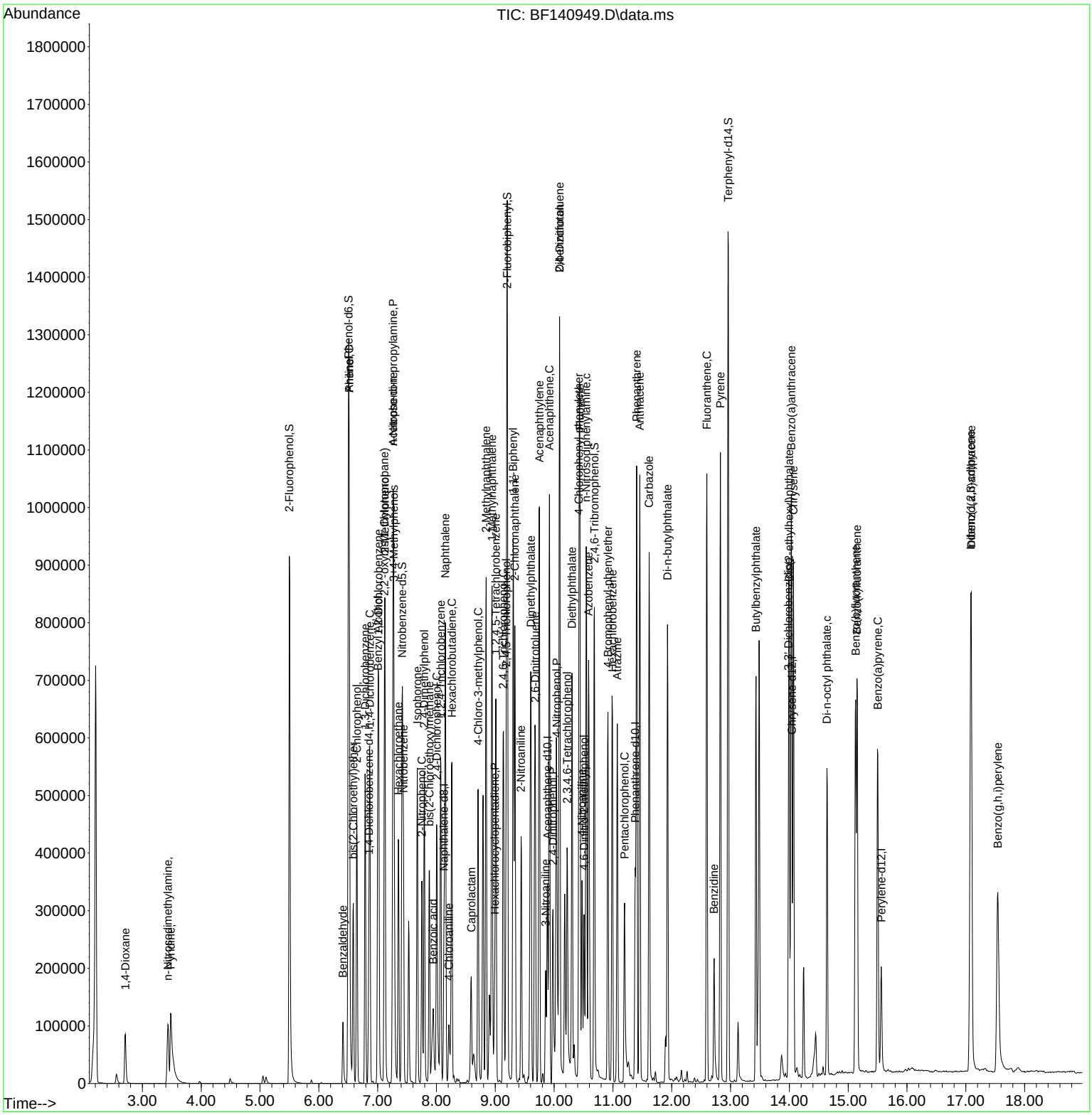
(#) = qualifier out of range (m) = manual integration (+) = signals summed

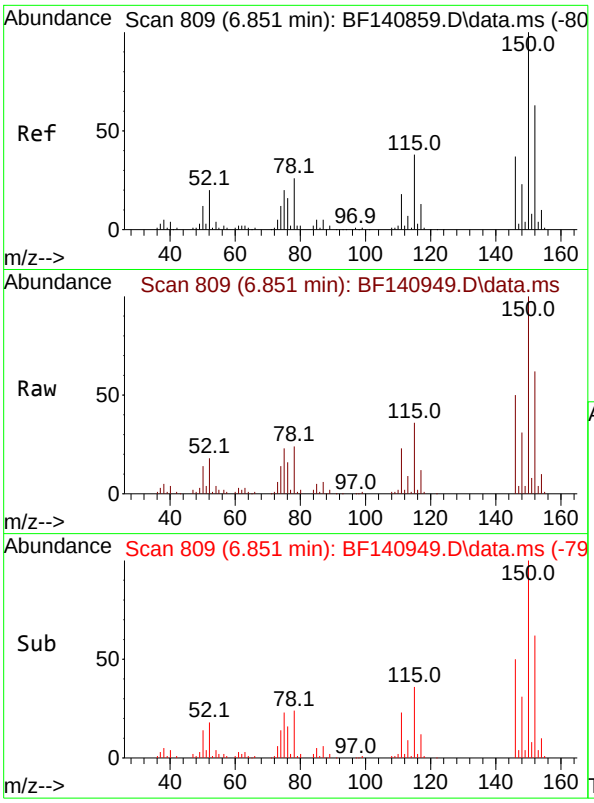
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



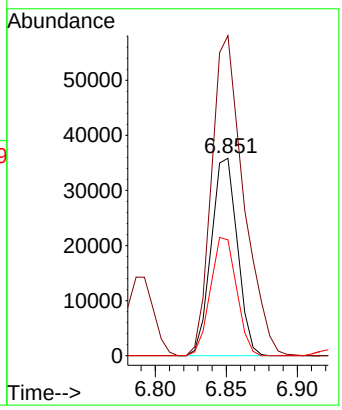


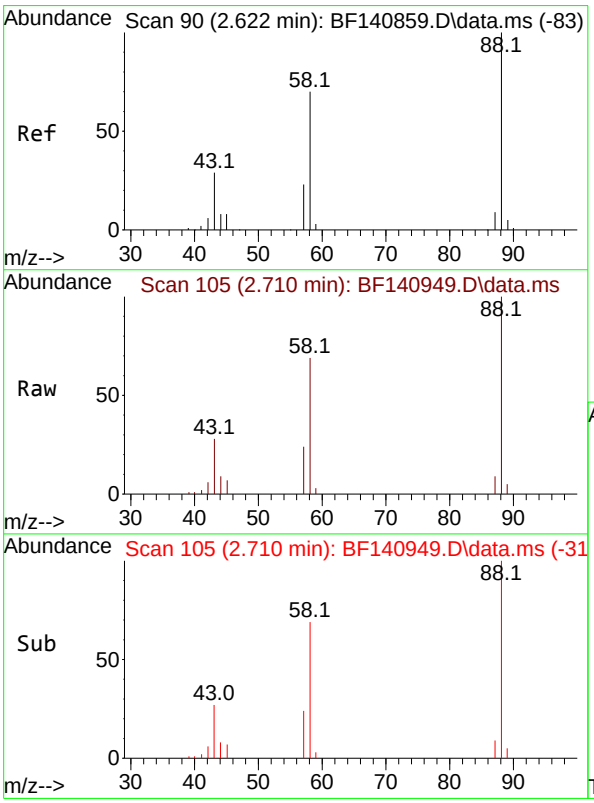

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:152 Resp: 45949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.1 | 127.9 | 191.9 |
| 115 | 58.7 | 48.0 | 72.0 |

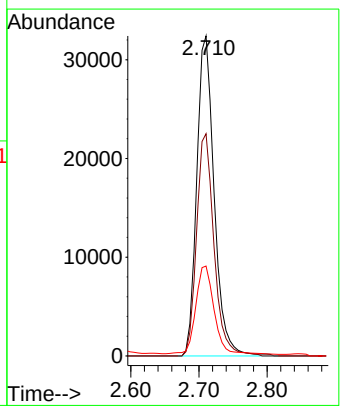


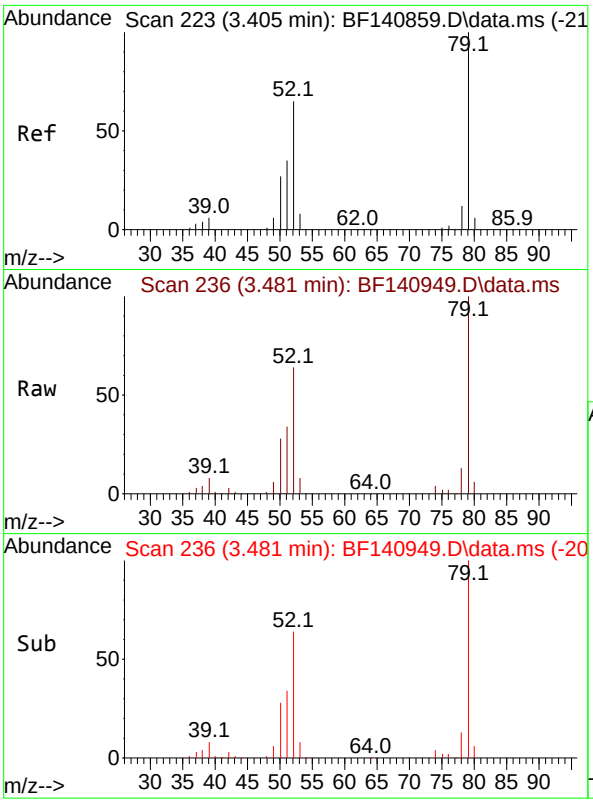




#2
1,4-Dioxane
Concen: 47.896 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 88 Resp: 57585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.3 | 55.8 | 83.8 |
| 43 | 30.7 | 22.7 | 34.1 |



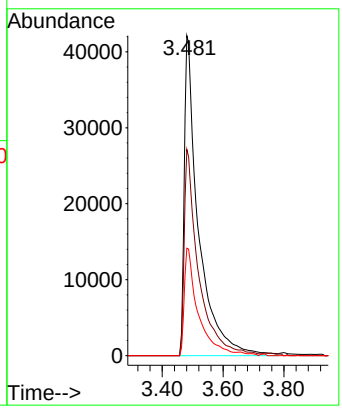


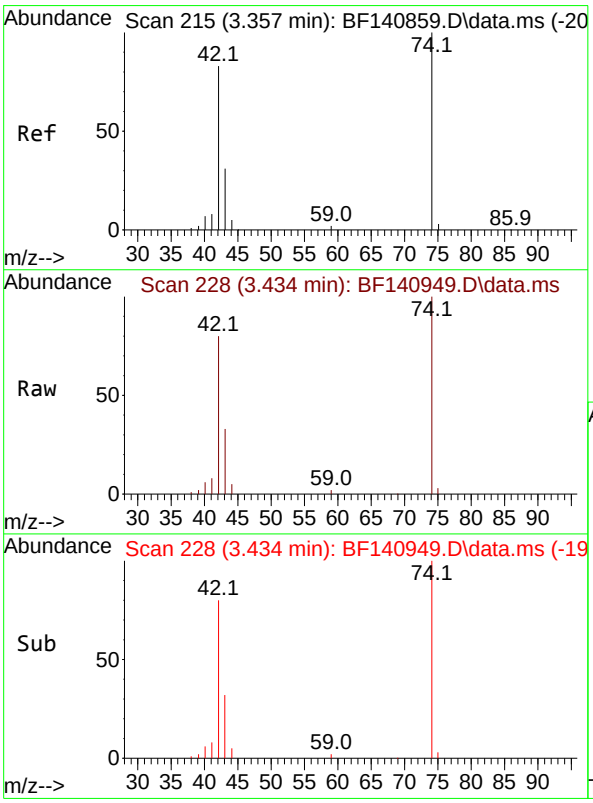

#3
Pyridine
Concen: 49.130 ng
RT: 3.481 min Scan# 2
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 79 Resp: 136795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.5 | 51.7 | 77.5 |
| 51 | 33.6 | 28.2 | 42.4 |

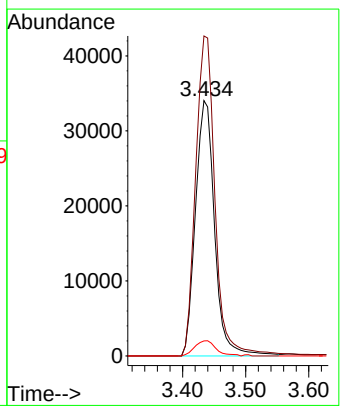


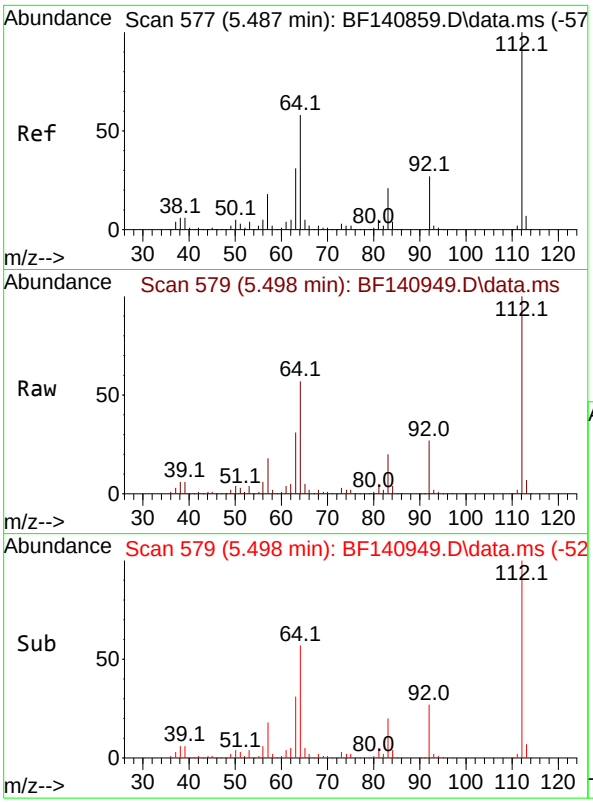




#4
n-Nitrosodimethylamine
Concen: 51.102 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 42 Resp: 71728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 125.3 | 96.9 | 145.3 |
| 44 | 5.9 | 4.4 | 6.6 |



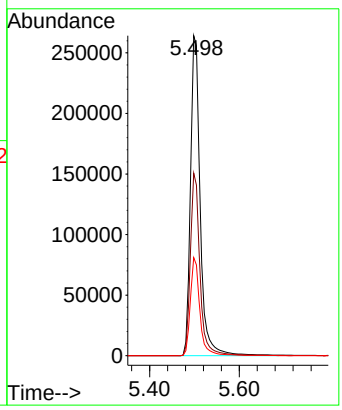


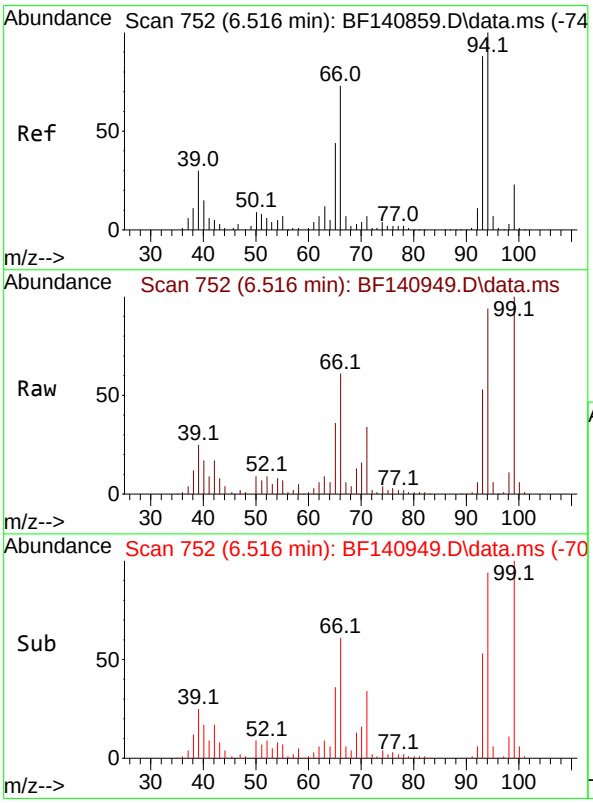

#5
2-Fluorophenol
Concen: 142.339 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:112 Resp: 397303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.0 | 46.1 | 69.1 |
| 63 | 30.7 | 24.9 | 37.3 |

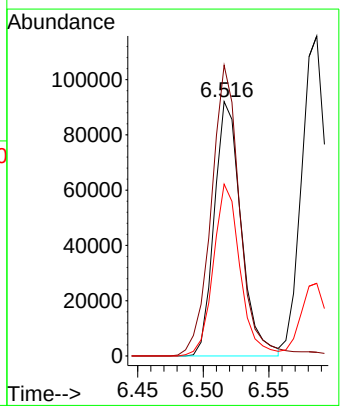


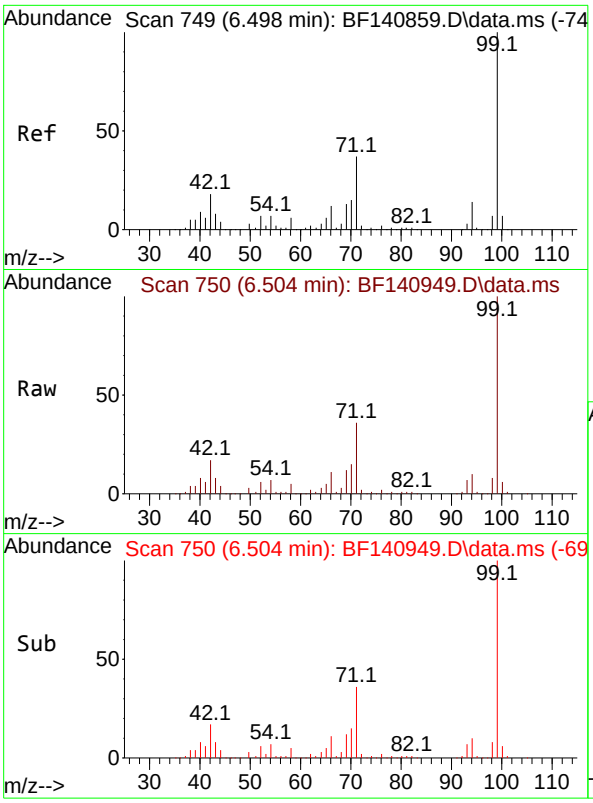




#6
Aniline
Concen: 41.394 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 130848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 114.3 | 67.0 | 100.4# |
| 65 | 67.5 | 40.4 | 60.6# |



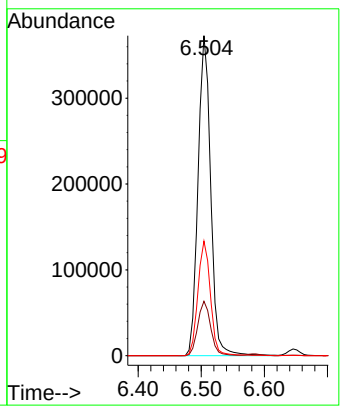


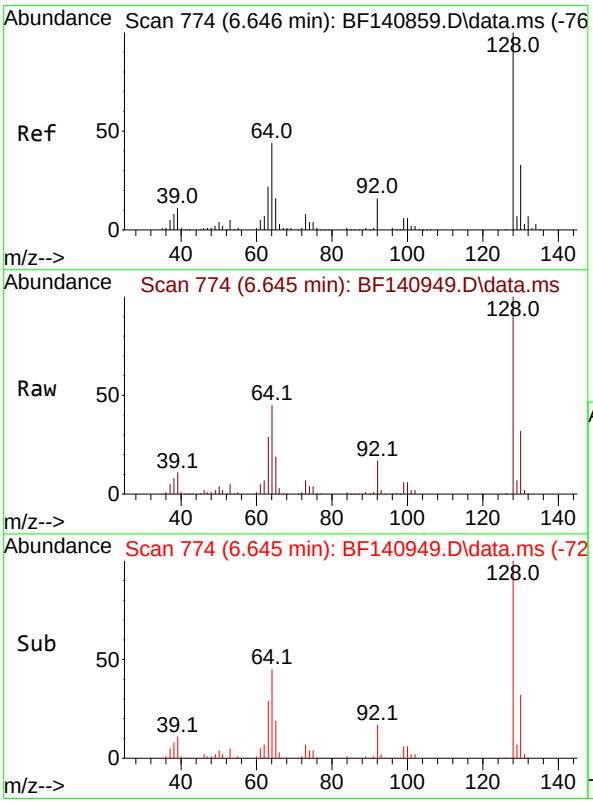

#7
Phenol-d6
Concen: 140.353 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 99 Resp: 518890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.0 | 14.3 | 21.5 |
| 71 | 35.8 | 29.9 | 44.9 |

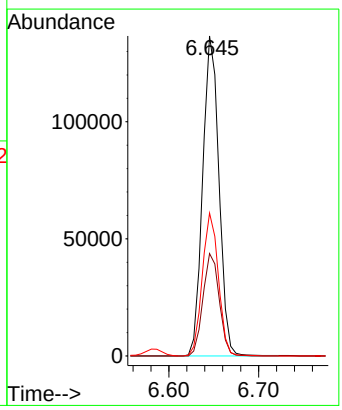


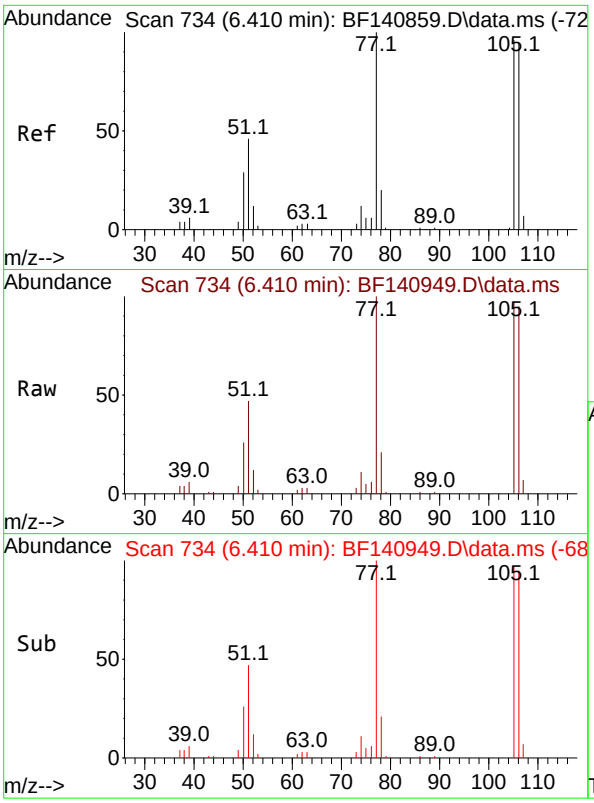




#8
2-Chlorophenol
Concen: 56.552 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:128 Resp: 172137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.9 | 52.9 |
| 64 | 44.7 | 24.3 | 64.3 |



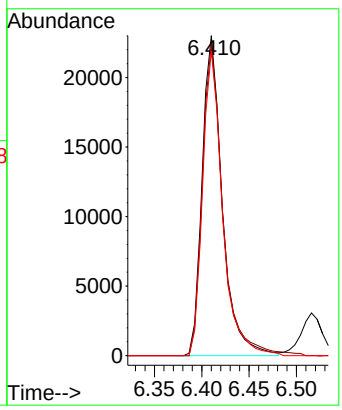


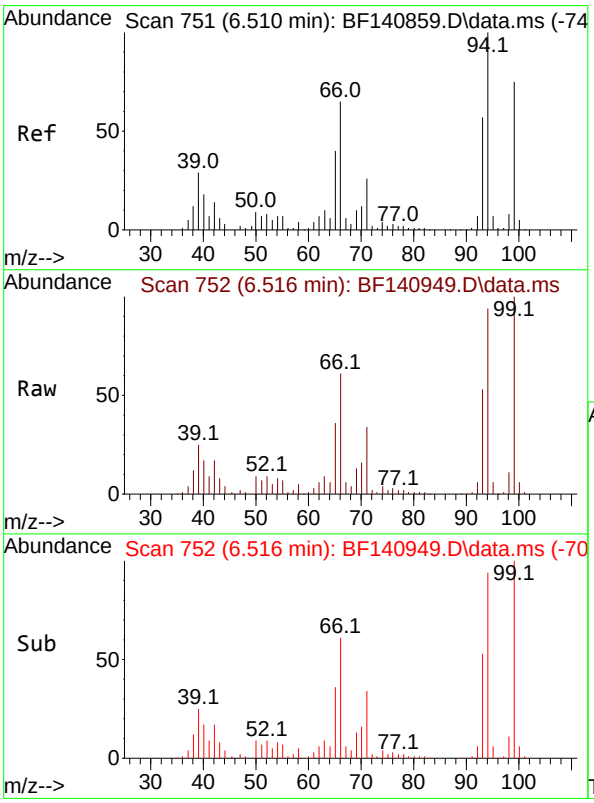

#9
Benzaldehyde
Concen: 16.577 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 77 Resp: 33958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 97.4 | 75.8 | 115.8 |
| 106 | 95.2 | 74.1 | 114.1 |

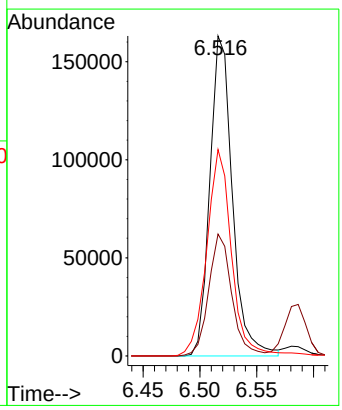


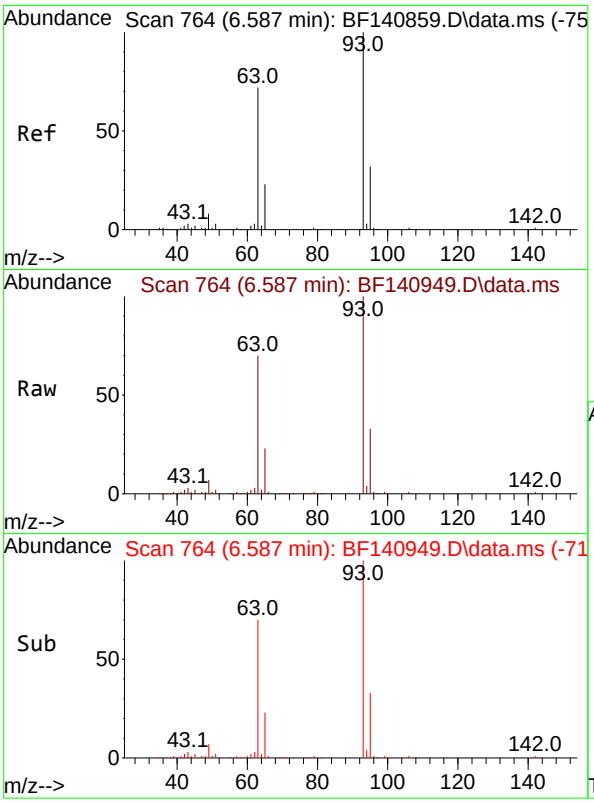




#10
Phenol
Concen: 58.630 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 94 Resp: 224652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 38.1 | 19.9 | 59.9 |
| 66 | 64.5 | 45.6 | 85.6 |



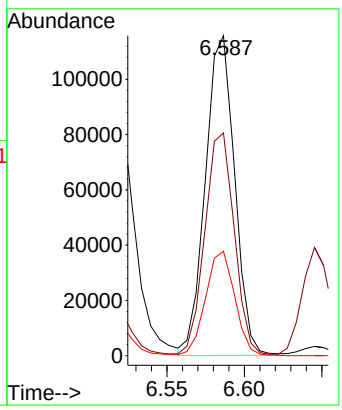


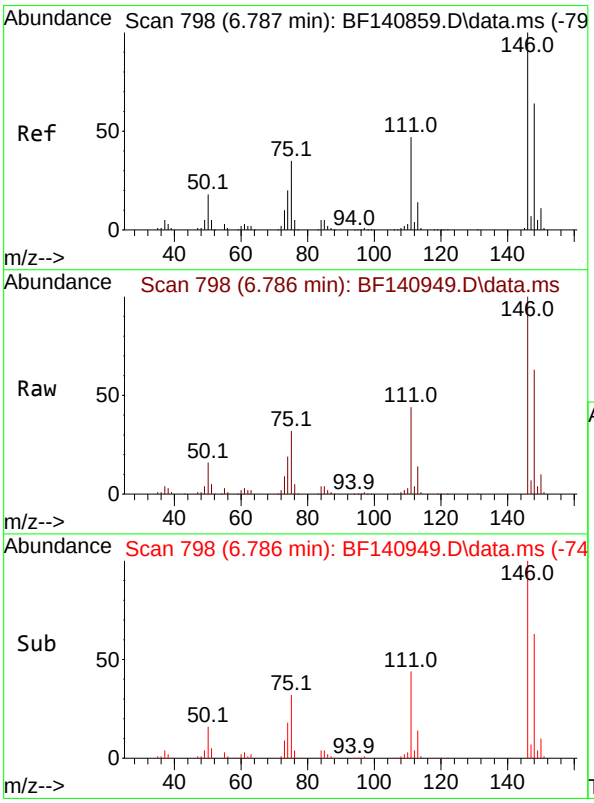

#11
bis(2-Chloroethyl)ether
Concen: 53.372 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 93 Resp: 152512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.6 | 51.0 | 91.0 |
| 95 | 32.6 | 12.0 | 52.0 |

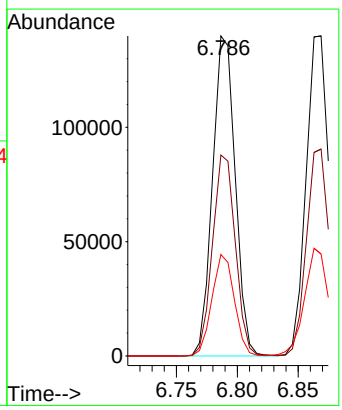


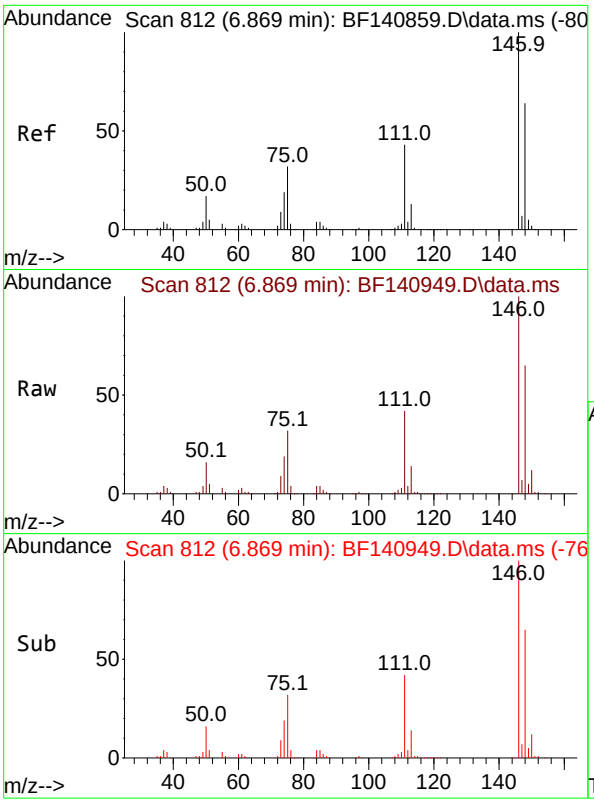




#12
1,3-Dichlorobenzene
Concen: 52.387 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 181700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 51.0 | 76.6 |
| 75 | 31.7 | 28.1 | 42.1 |



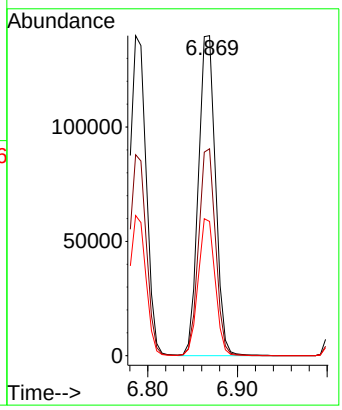


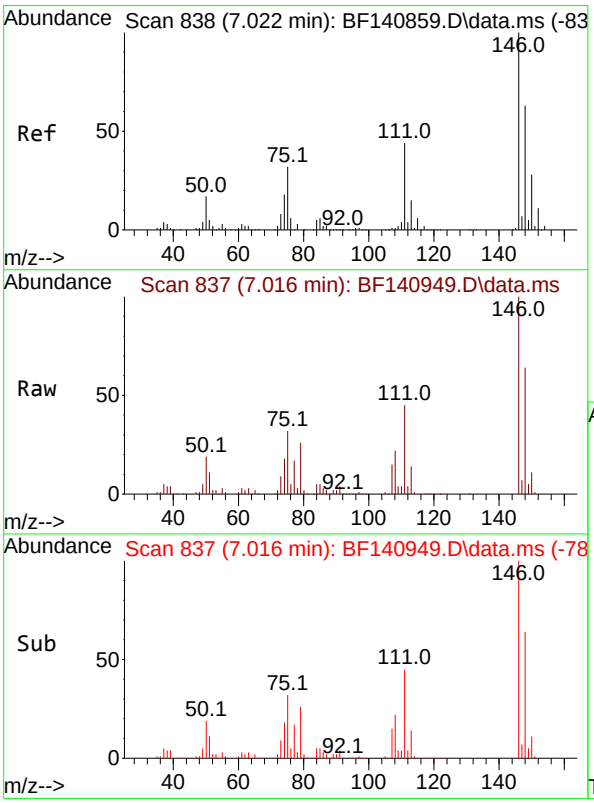

#13
1,4-Dichlorobenzene
Concen: 52.708 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:146 Resp: 185568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.3 | 76.9 |
| 111 | 42.0 | 34.4 | 51.6 |

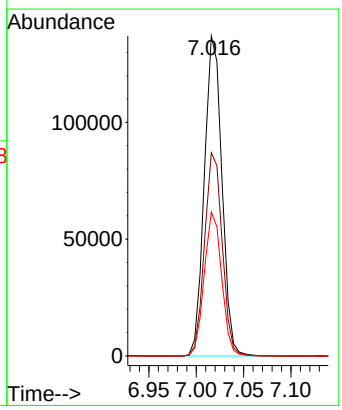


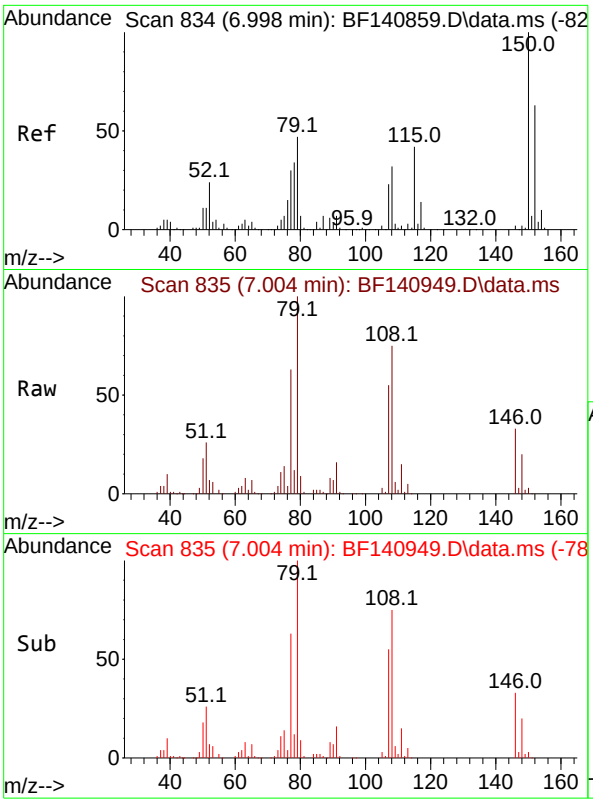




#14
1,2-Dichlorobenzene
Concen: 53.137 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 176510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.0 | 75.0 |
| 111 | 45.0 | 35.6 | 53.4 |



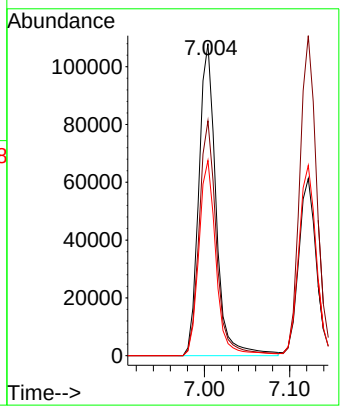


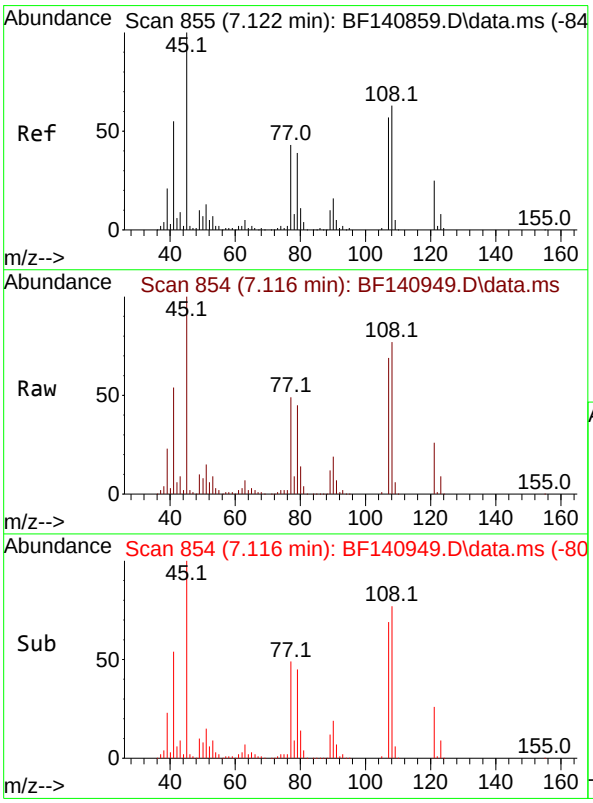

#15
Benzyl Alcohol
Concen: 57.414 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 79 Resp: 151766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.3 | 55.1 | 82.7 |
| 77 | 62.6 | 50.6 | 76.0 |

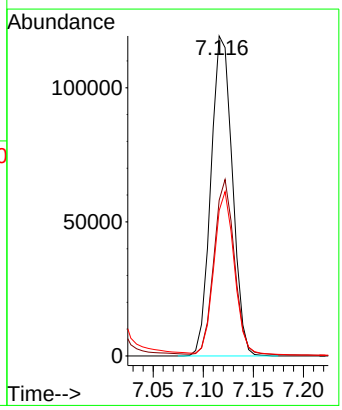


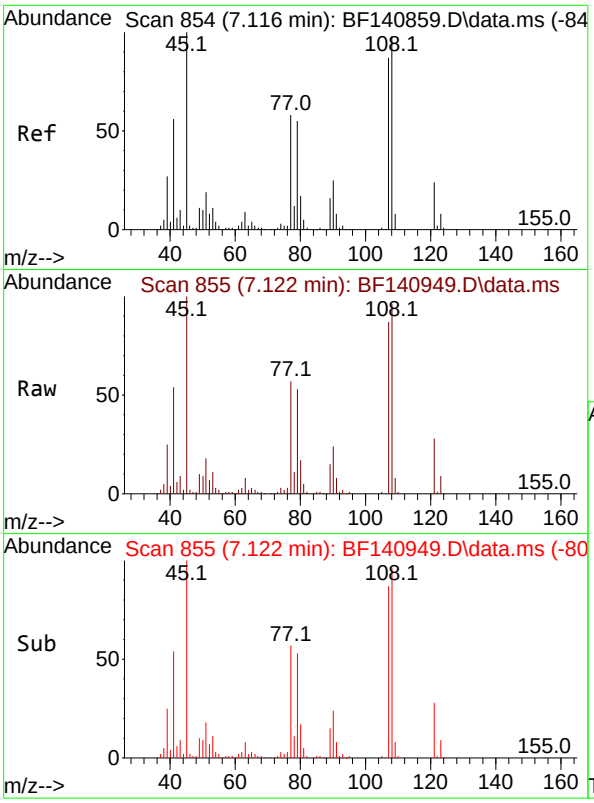




#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.770 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 45 Resp: 177636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 48.7 | 23.3 | 63.3 |
| 79 | 45.4 | 20.0 | 60.0 |



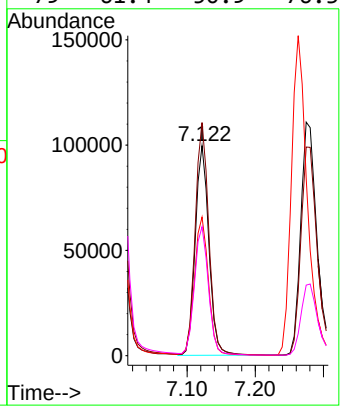


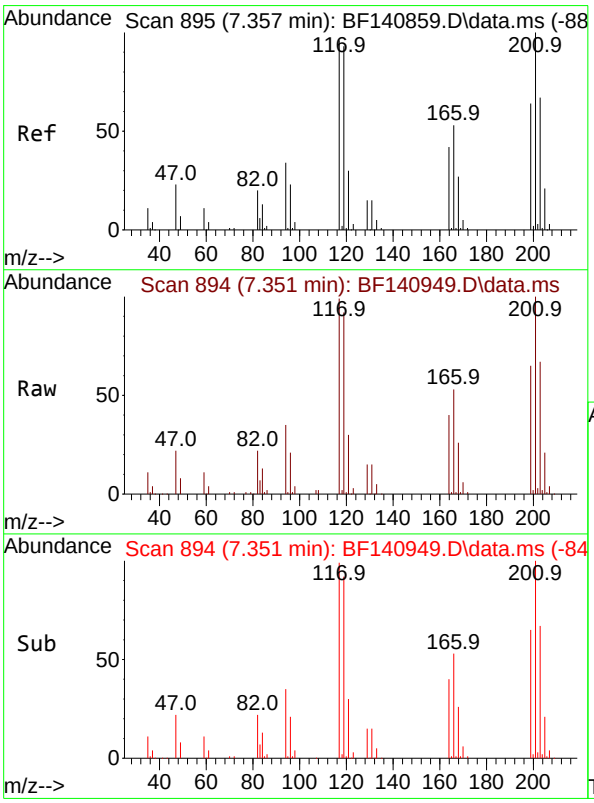

#17
2-Methylphenol
Concen: 57.071 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:107 Resp: 138692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.2 | 135.4 |
| 77 | 65.9 | 53.8 | 80.6 |
| 79 | 61.4 | 50.9 | 76.3 |

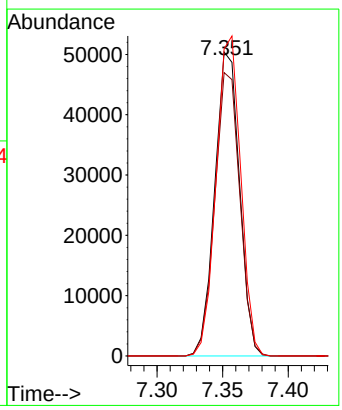


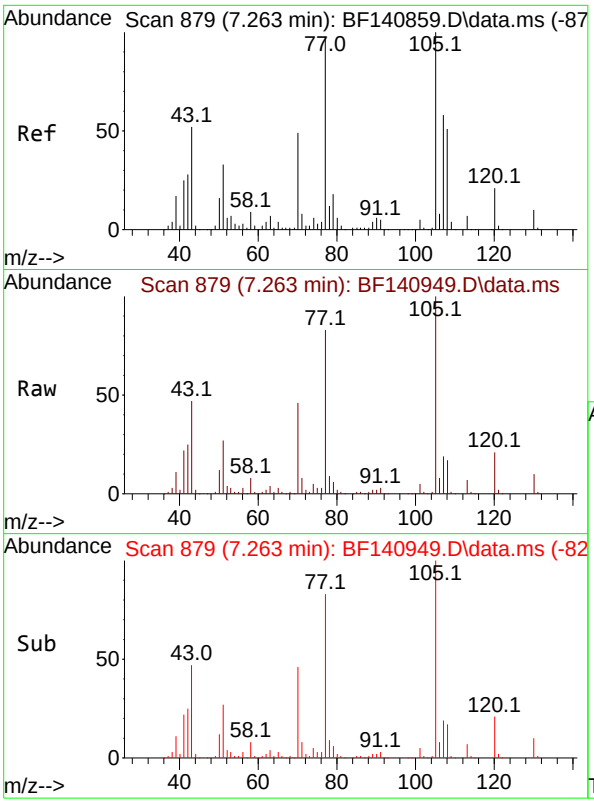




#18
Hexachloroethane
Concen: 50.446 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:117 Resp: 66118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.2 | 77.4 | 116.0 |
| 201 | 101.0 | 83.4 | 125.0 |



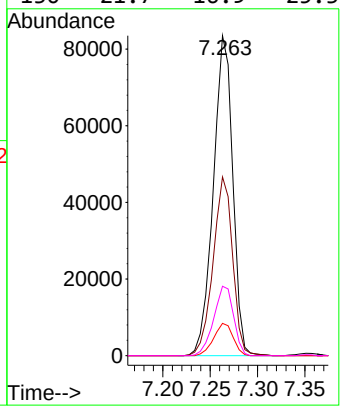


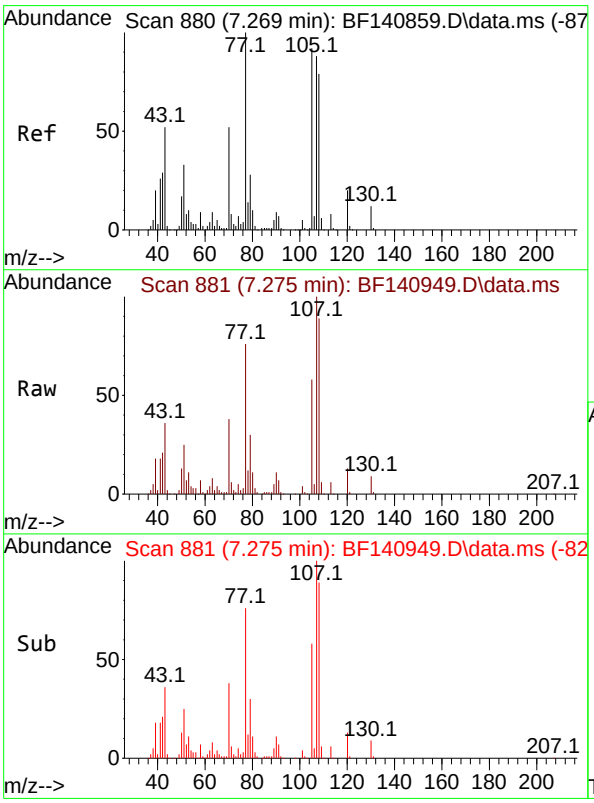

#19
n-Nitroso-di-n-propylamine
Concen: 53.736 ng
RT: 7.263 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 70 Resp: 119168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.8 | 45.3 | 67.9 |
| 101 | 10.1 | 8.0 | 12.0 |
| 130 | 21.7 | 16.9 | 25.3 |

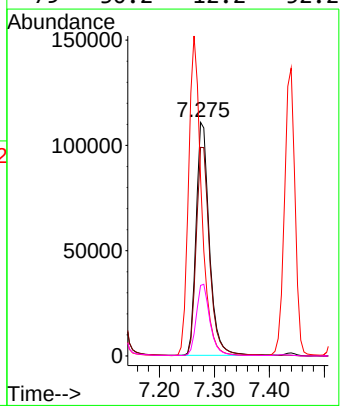


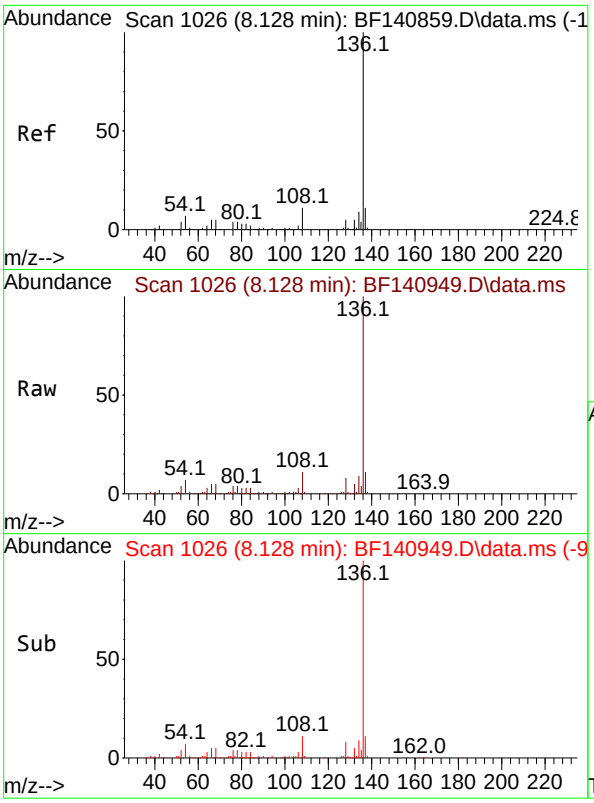




#20
3+4-Methylphenols
Concen: 57.503 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 185300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 70.1 | 110.1 |
| 77 | 75.9 | 94.4 | 134.4# |
| 79 | 30.2 | 12.2 | 52.2 |



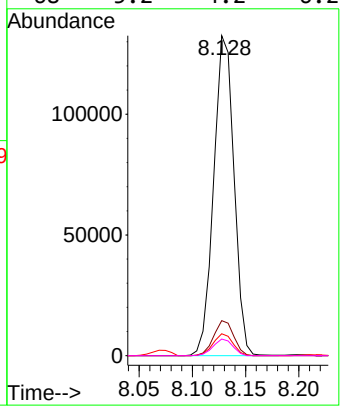


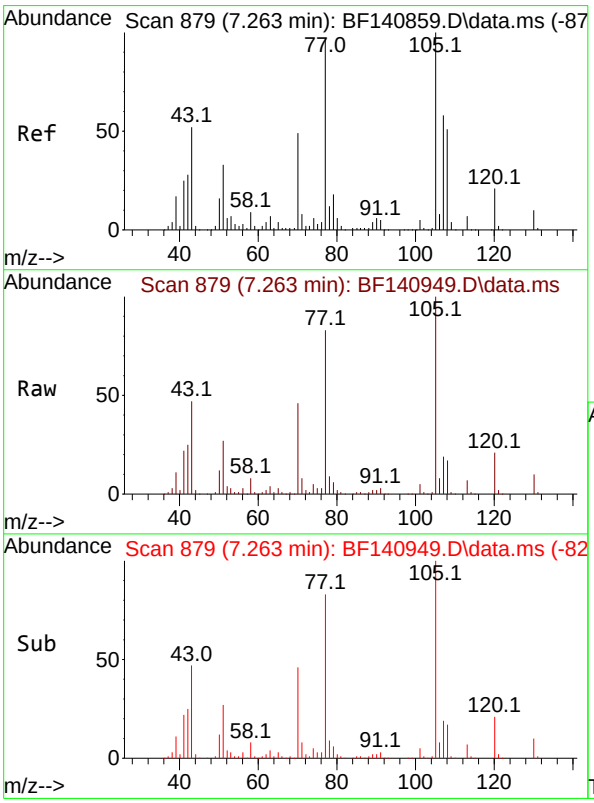

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:136 Resp: 175670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.2 | 4.2 | 6.2 |

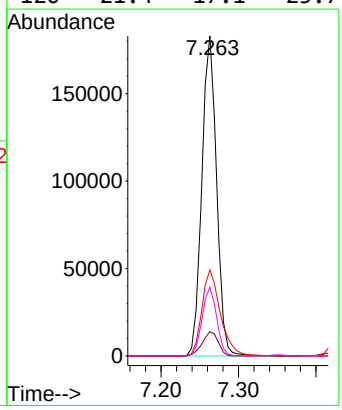


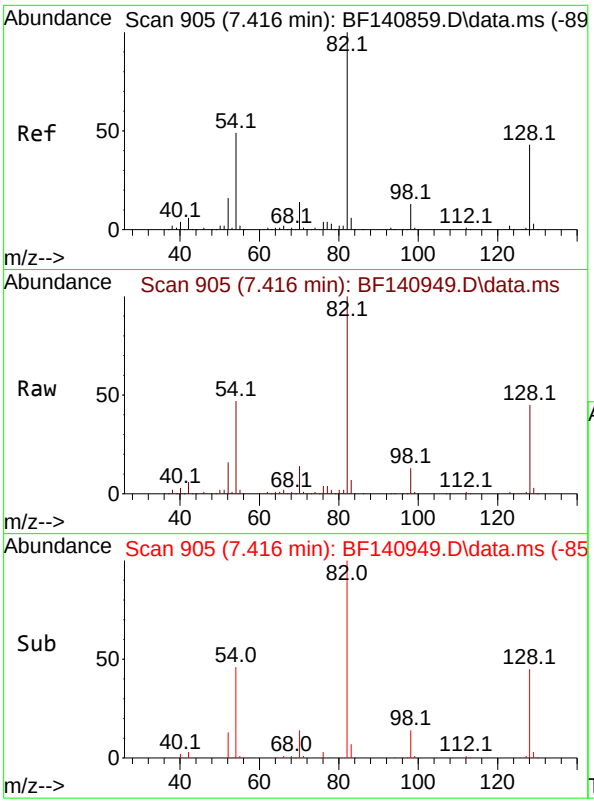




#22
Acetophenone
Concen: 54.917 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:105 Resp: 241328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.6 | 6.2 | 9.4 |
| 51 | 26.8 | 26.3 | 39.5 |
| 120 | 21.4 | 17.1 | 25.7 |



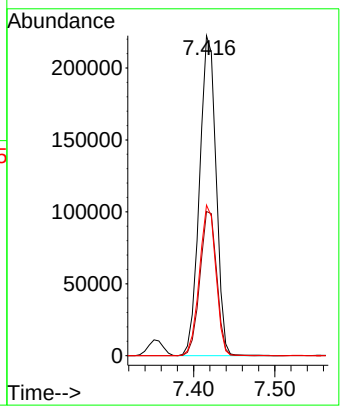


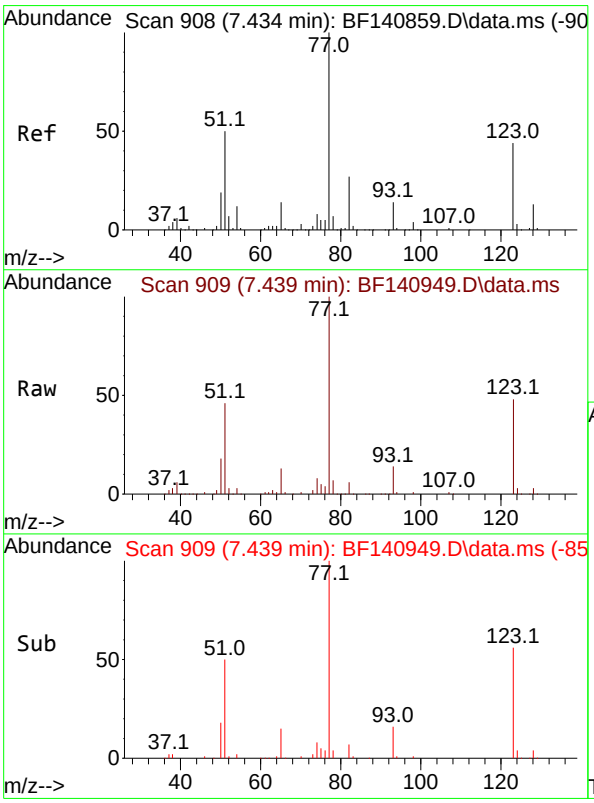

#23
Nitrobenzene-d5
Concen: 89.714 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 82 Resp: 315005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 34.4 | 51.6 |
| 54 | 47.1 | 38.8 | 58.2 |

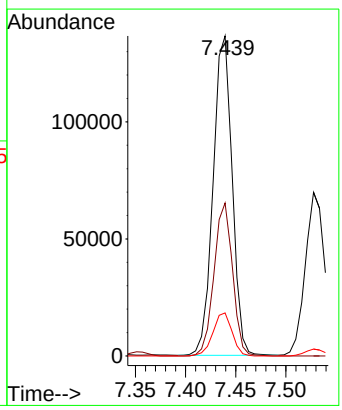


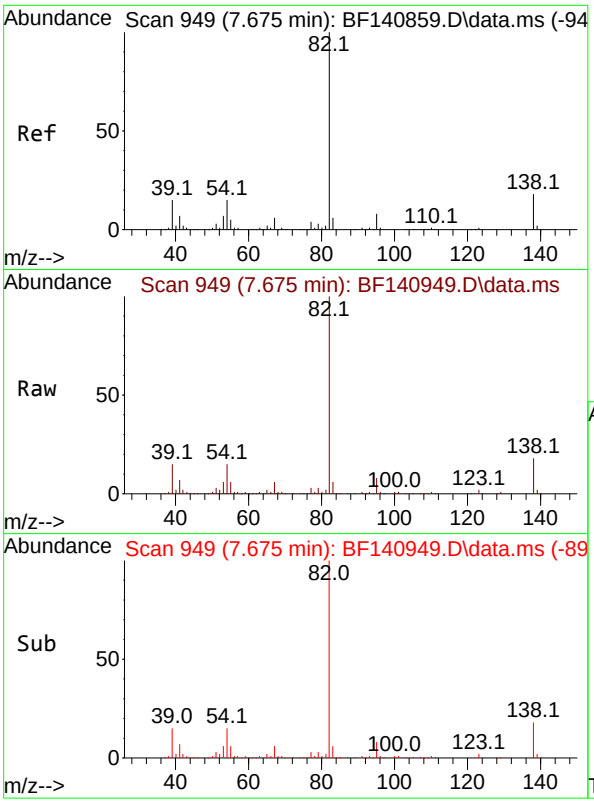




#24
Nitrobenzene
Concen: 50.063 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 77 Resp: 180083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.8 | 35.0 | 52.4 |
| 65 | 13.4 | 11.4 | 17.0 |



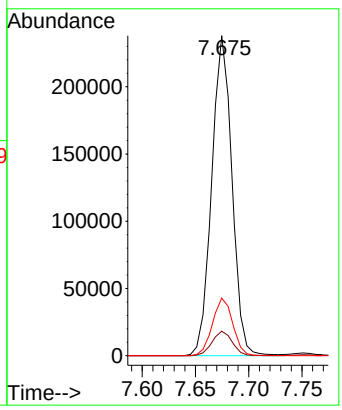


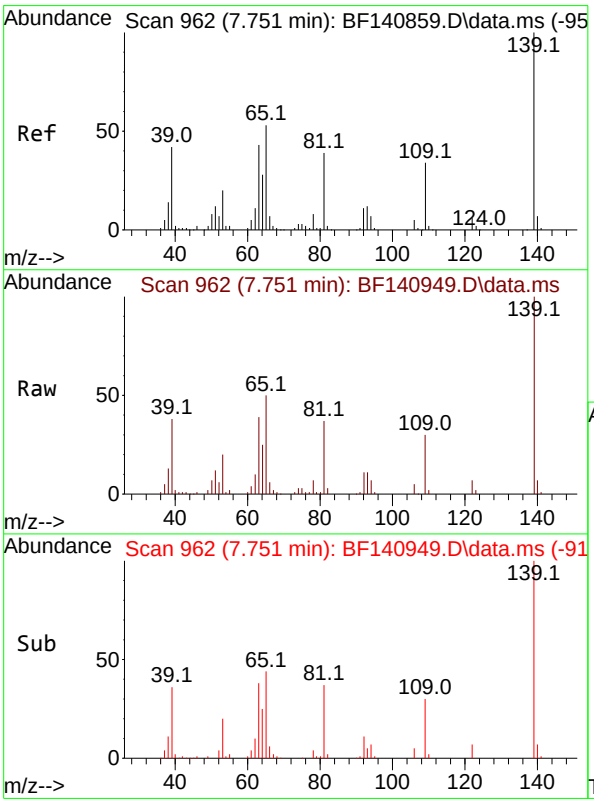

#25
Isophorone
Concen: 53.439 ng
RT: 7.675 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 82 Resp: 314395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.6 | 6.3 | 9.5 |
| 138 | 18.0 | 14.1 | 21.1 |

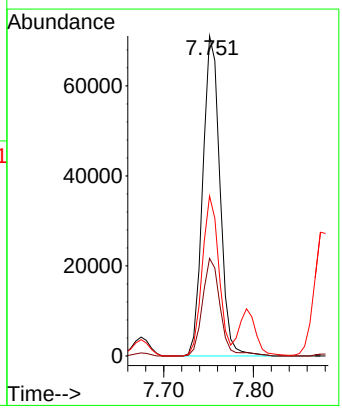


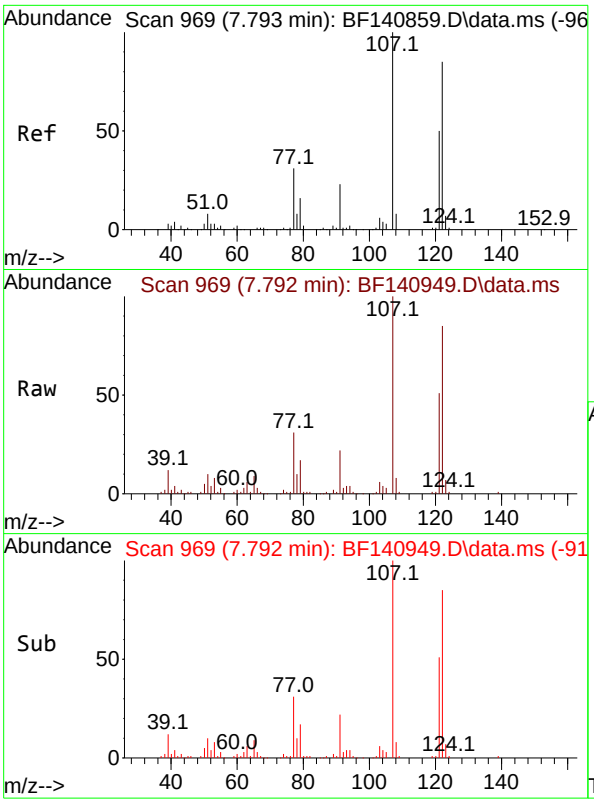




#26
2-Nitrophenol
Concen: 57.032 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 94485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 26.9 | 40.3 |
| 65 | 50.0 | 42.6 | 64.0 |



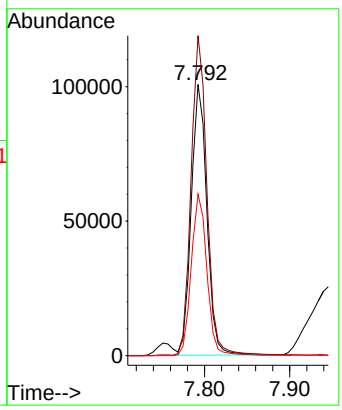


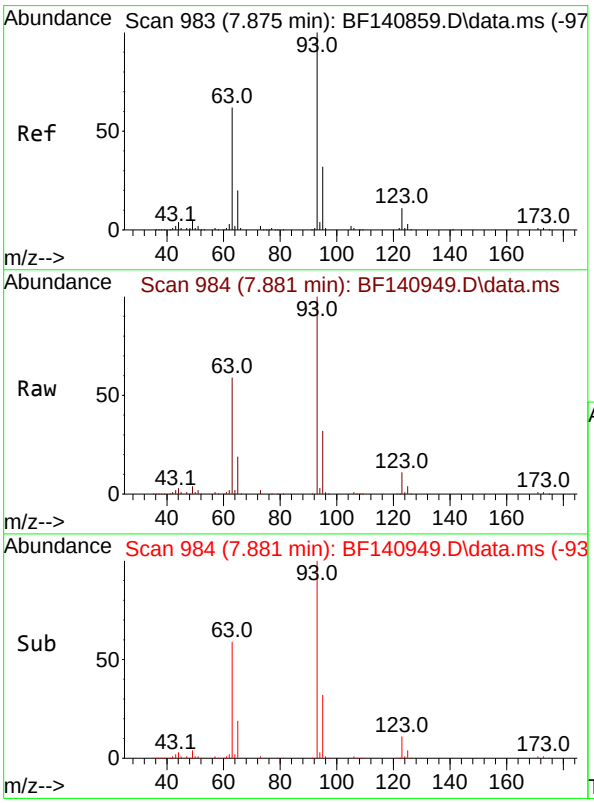

#27
2,4-Dimethylphenol
Concen: 66.141 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:122 Resp: 127969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.0 | 92.6 | 139.0 |
| 121 | 59.6 | 45.8 | 68.8 |

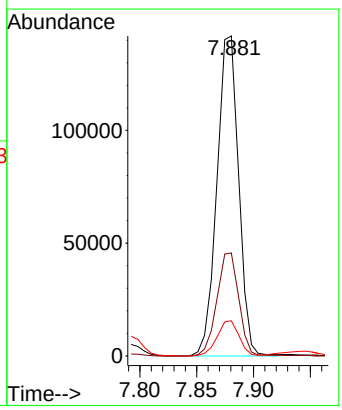


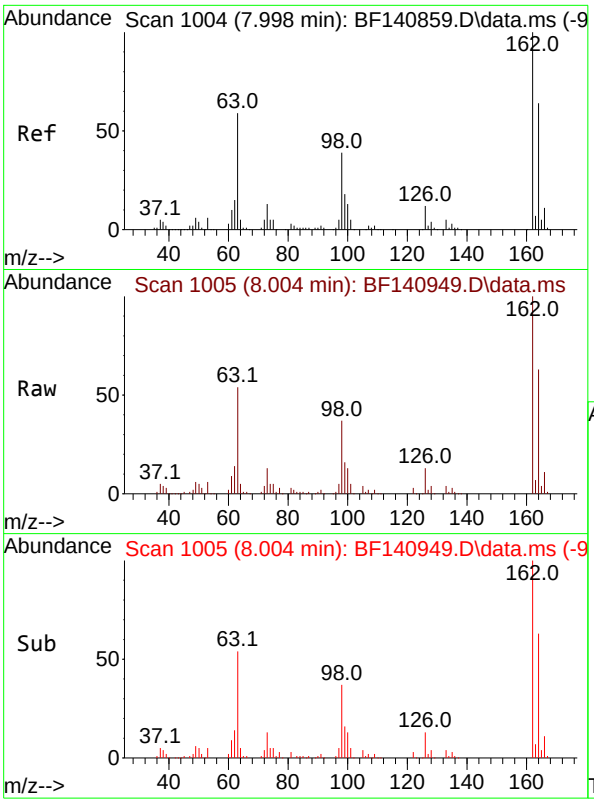




#28
bis(2-Chloroethoxy)methane
Concen: 51.420 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 188944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.3 | 37.9 |
| 123 | 11.0 | 8.6 | 13.0 |



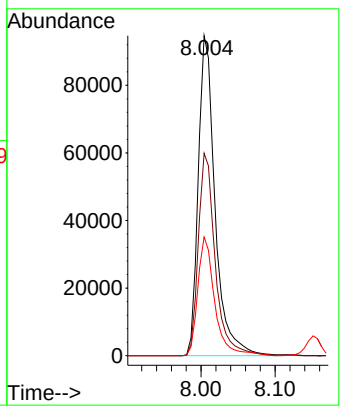


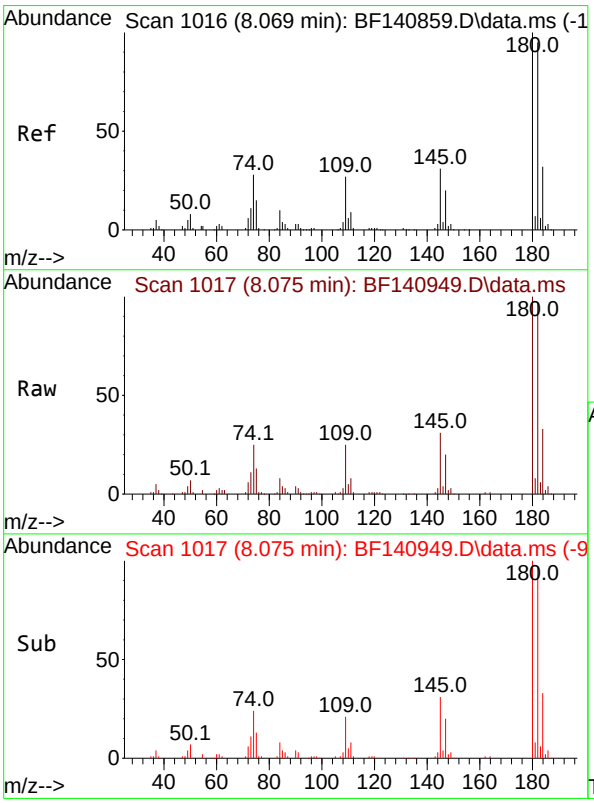

#29
2,4-Dichlorophenol
Concen: 55.934 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:162 Resp: 149408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 43.7 | 83.7 |
| 98 | 37.1 | 18.6 | 58.6 |

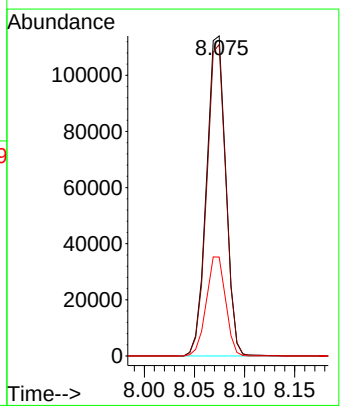


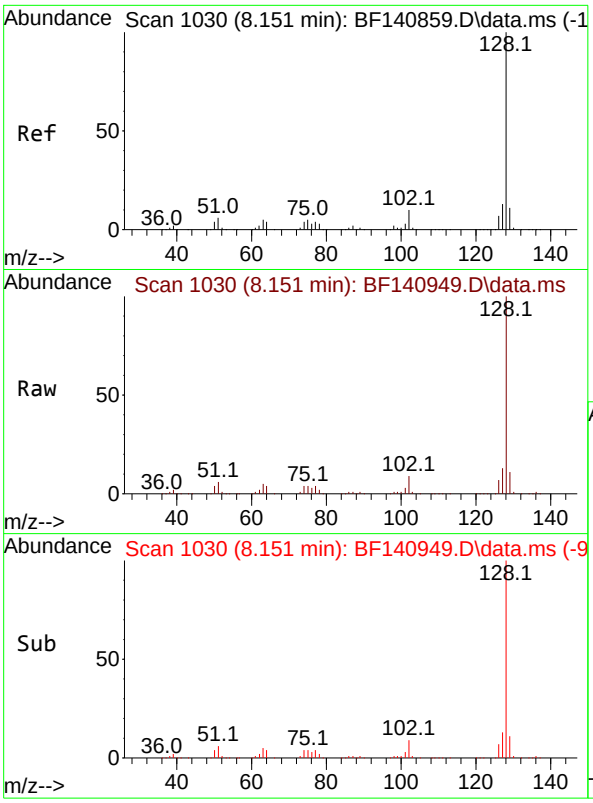




#30
1,2,4-Trichlorobenzene
Concen: 50.051 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:180 Resp: 153263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.3 | 75.8 | 113.6 |
| 145 | 30.9 | 25.2 | 37.8 |



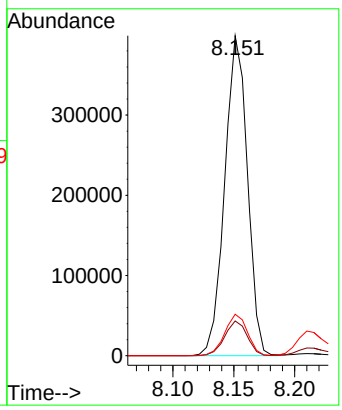


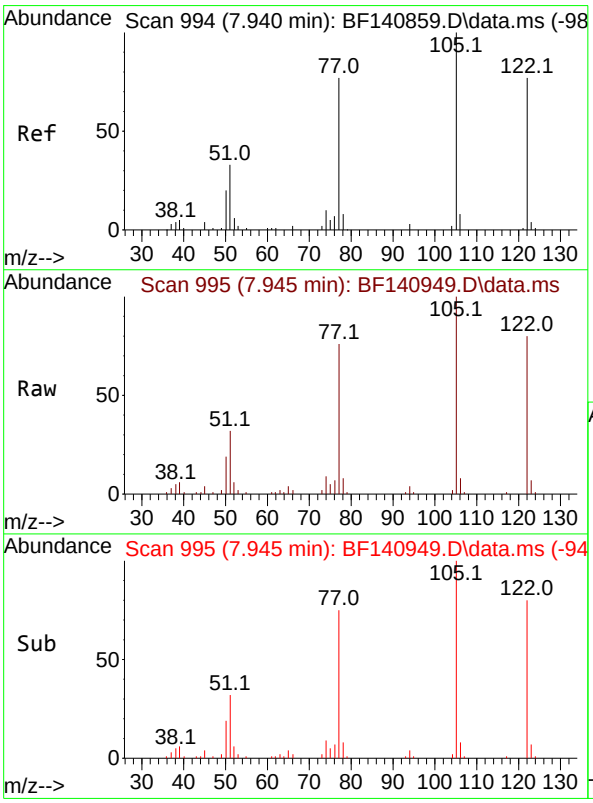

#31
Naphthalene
Concen: 53.602 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:128 Resp: 517245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.9 | 13.3 |
| 127 | 13.0 | 10.6 | 16.0 |

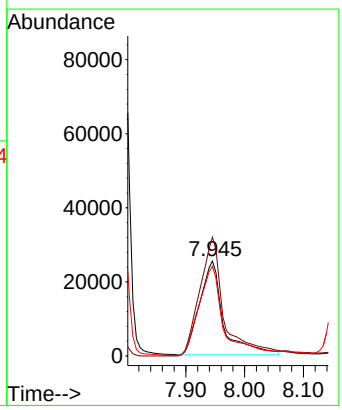


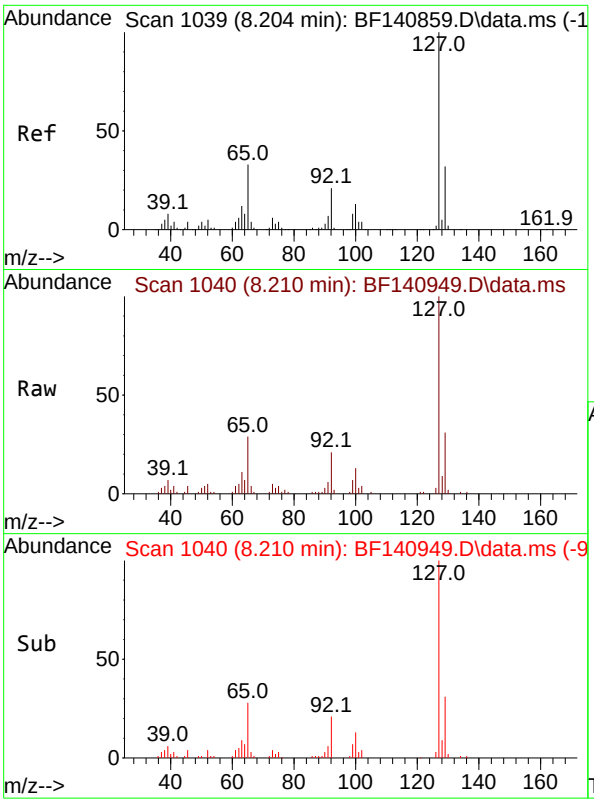




#32
Benzoic acid
Concen: 39.151 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:122 Resp: 71840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.1 | 108.3 | 148.3 |
| 77 | 94.6 | 78.8 | 118.8 |



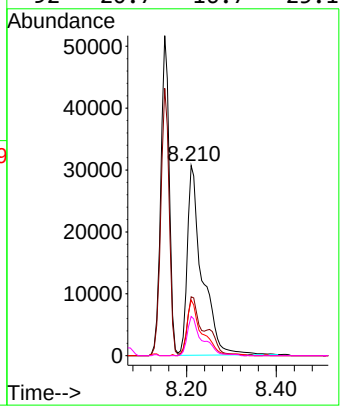


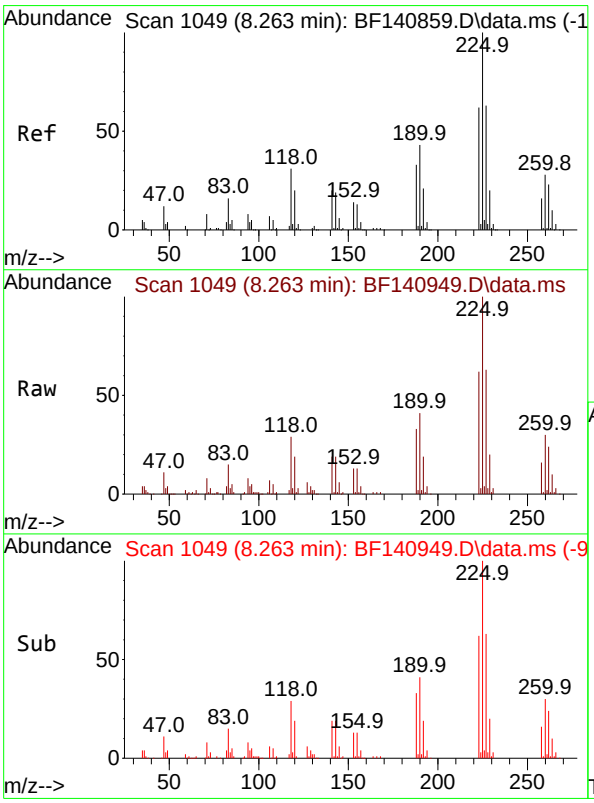

#33
4-Chloroaniline
Concen: 22.062 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:127 Resp: 70709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.0 | 26.0 | 39.0 |
| 65 | 29.2 | 26.0 | 39.0 |
| 92 | 20.7 | 16.7 | 25.1 |

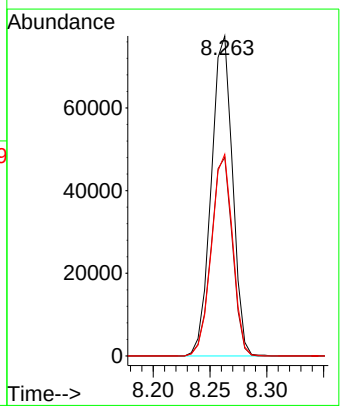


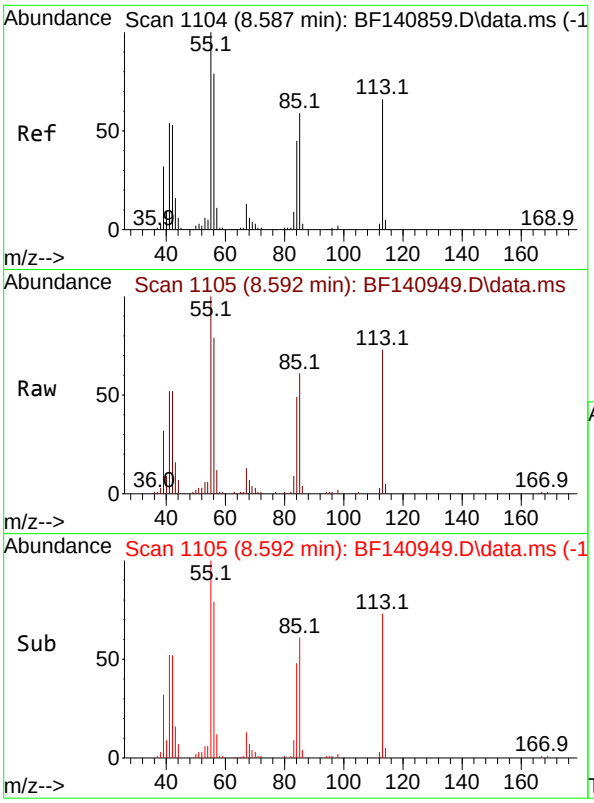




#34
Hexachlorobutadiene
Concen: 48.916 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:225 Resp: 100776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.6 | 74.4 |
| 227 | 63.0 | 50.7 | 76.1 |



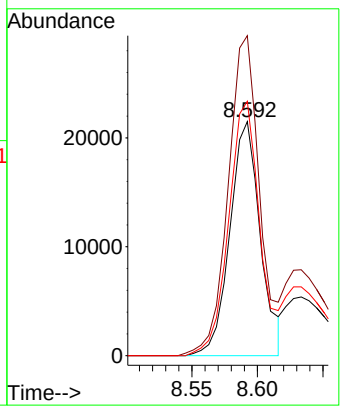


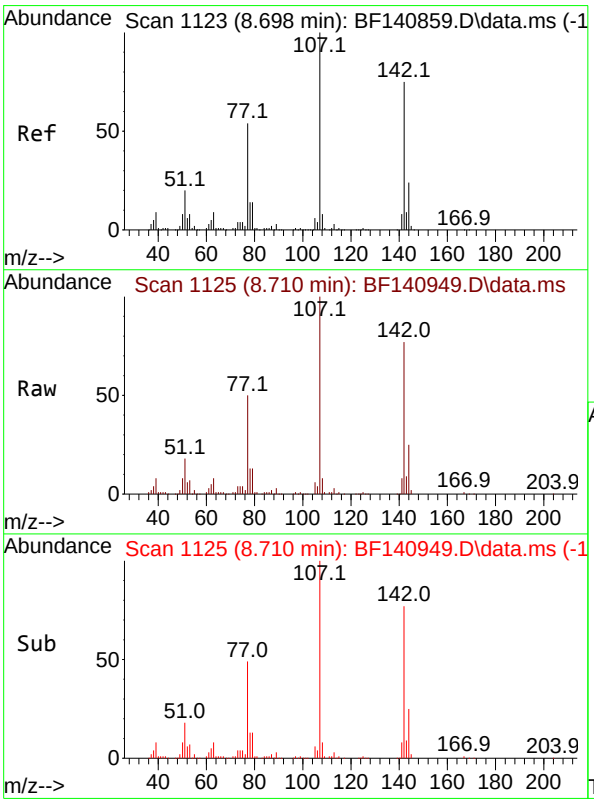

#35
Caprolactam
Concen: 43.555 ng
RT: 8.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:113 Resp: 34636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.7 | 132.3 | 172.3 |
| 56 | 108.7 | 100.3 | 140.3 |

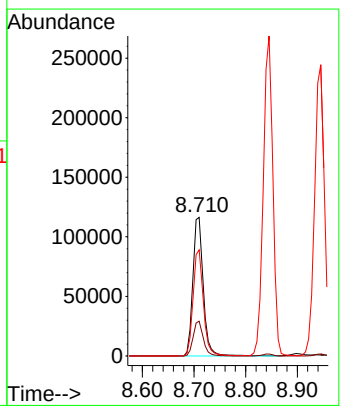


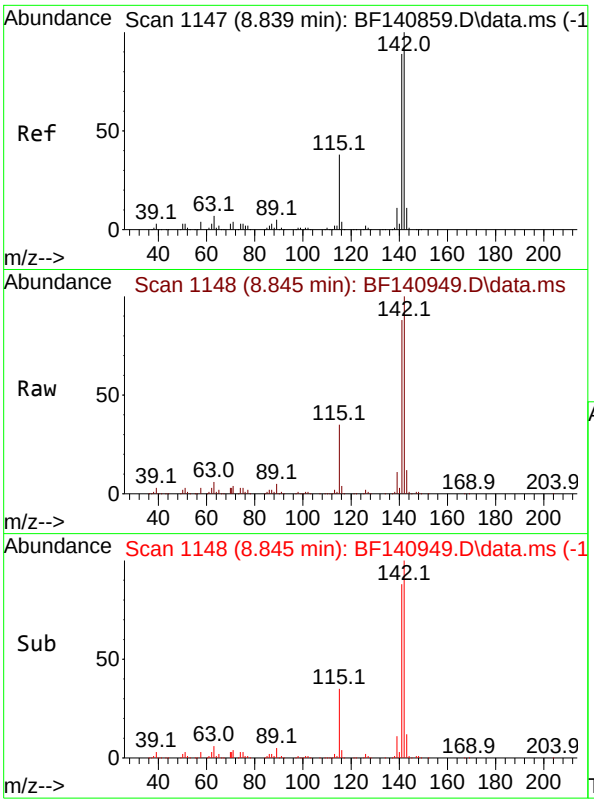




#36
4-Chloro-3-methylphenol
Concen: 54.366 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 163449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 19.4 | 29.2 |
| 142 | 76.5 | 60.3 | 90.5 |



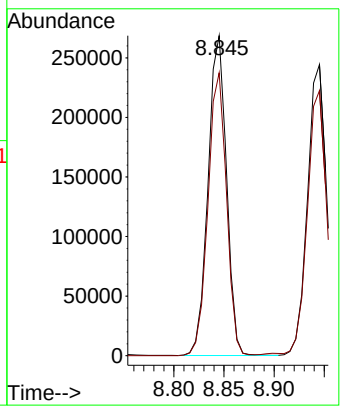


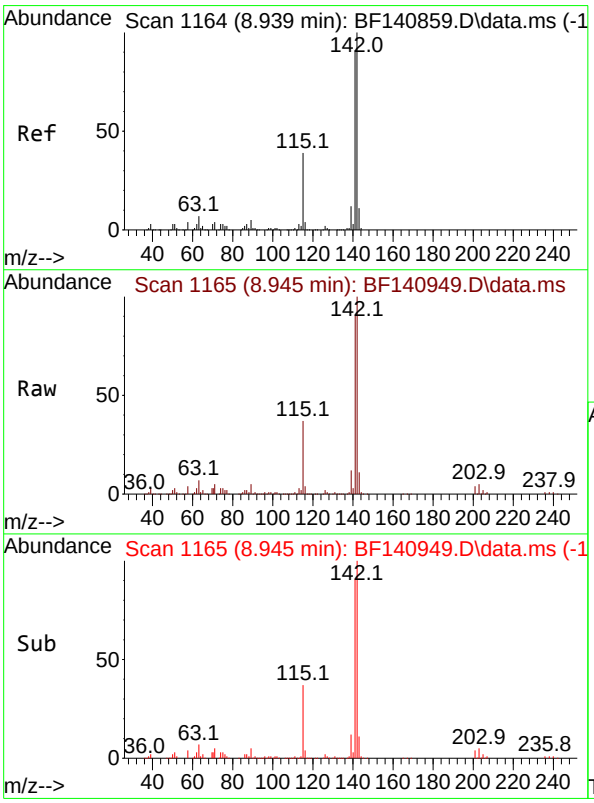

#37
2-Methylnaphthalene
Concen: 53.795 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:142 Resp: 343391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.4 | 71.0 | 106.6 |

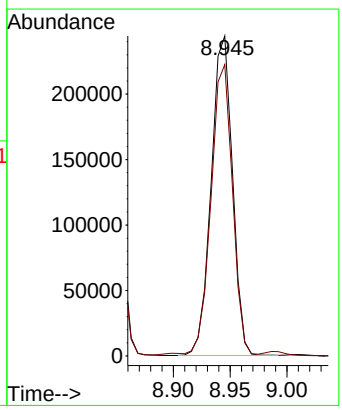


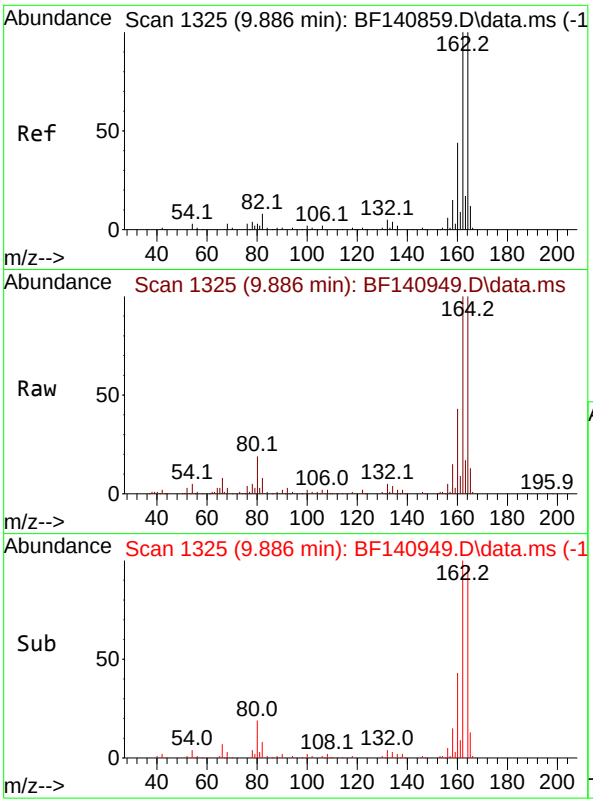




#38
1-Methylnaphthalene
Concen: 50.458 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:142 Resp: 318541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 73.4 | 110.0 |



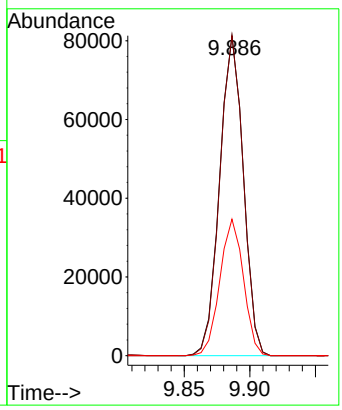


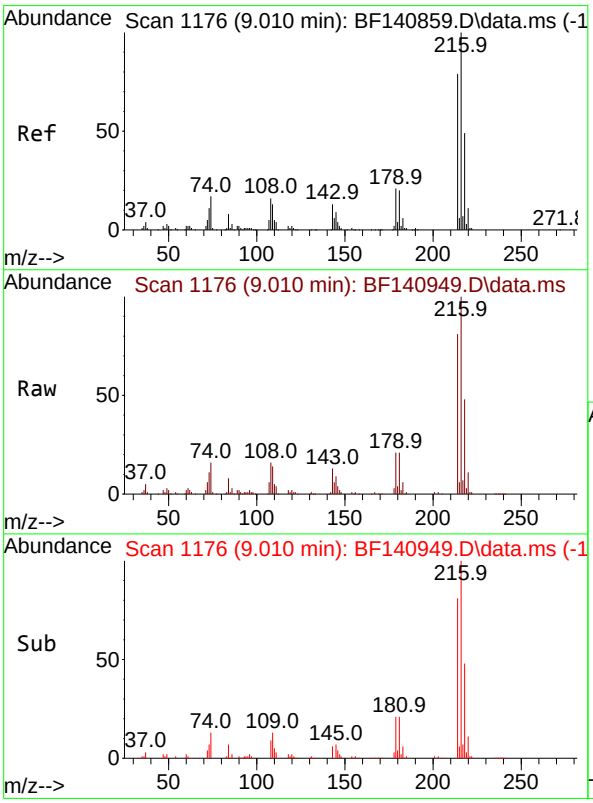

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:164 Resp: 102157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 79.9 | 119.9 |
| 160 | 42.7 | 35.2 | 52.8 |

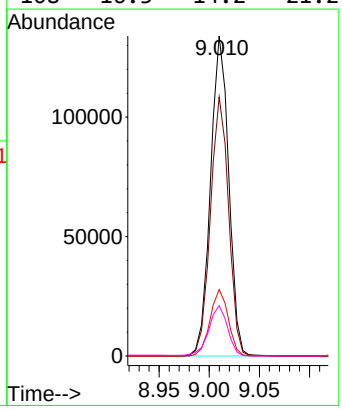


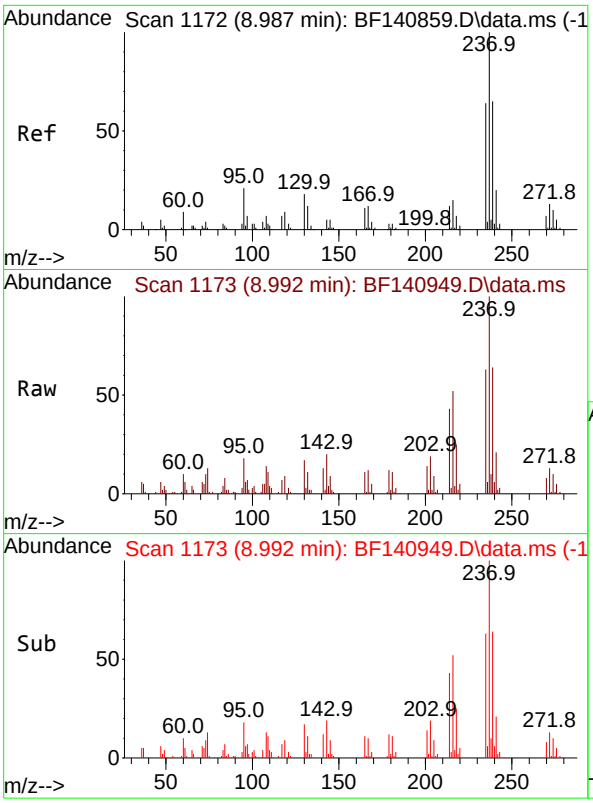




#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.866 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:216 Resp: 169136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 80.7 | 63.6 | 95.4 |
| 179 | 20.7 | 17.0 | 25.4 |
| 108 | 16.3 | 14.2 | 21.2 |



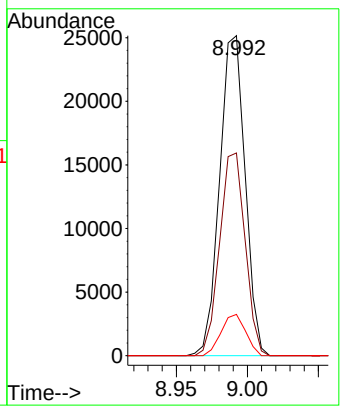


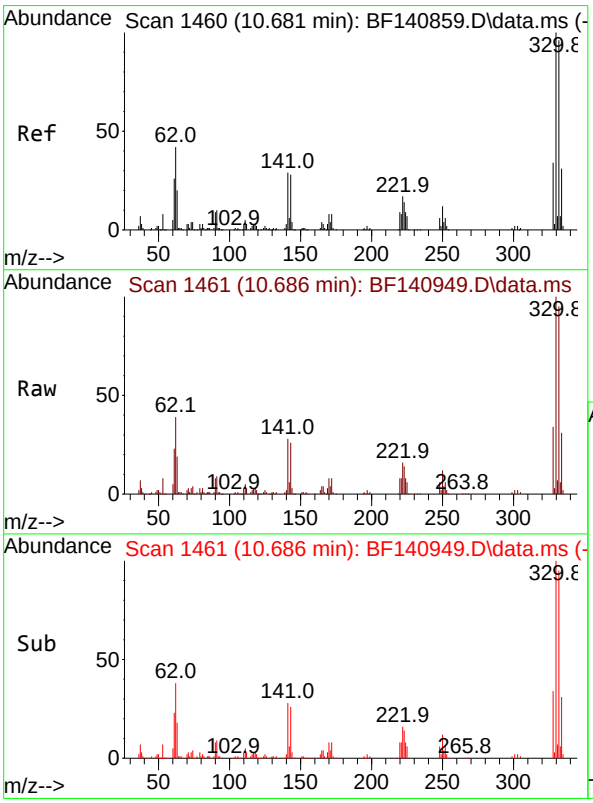

#41
Hexachlorocyclopentadiene
Concen: 41.662 ng
RT: 8.992 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:237 Resp: 31402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 43.7 | 83.7 |
| 272 | 12.9 | 0.0 | 32.9 |

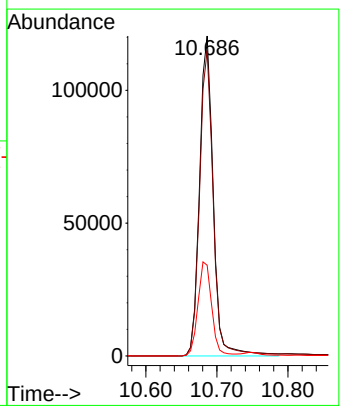


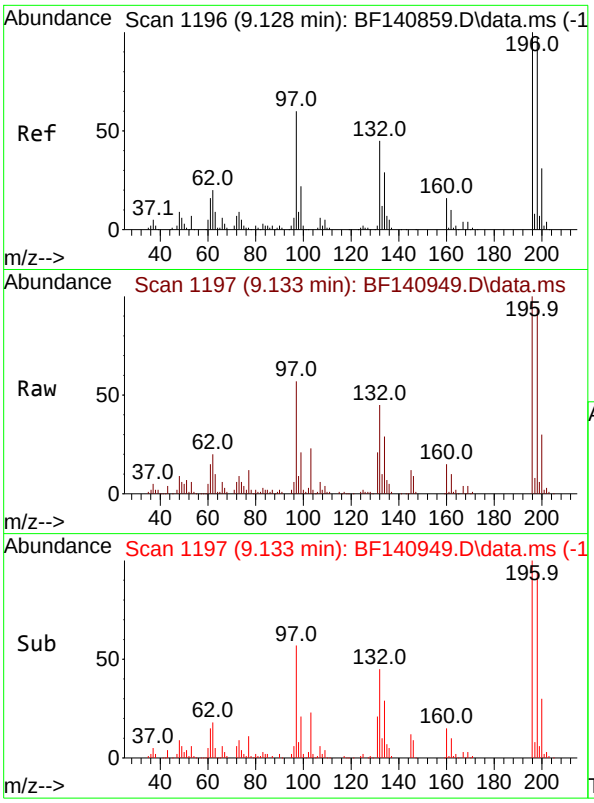




#42
2,4,6-Tribromophenol
Concen: 134.298 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:330 Resp: 162262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 76.2 | 114.4 |
| 141 | 29.6 | 24.9 | 37.3 |



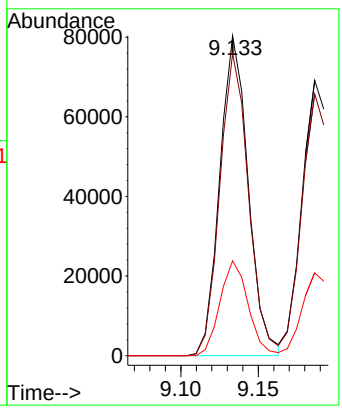


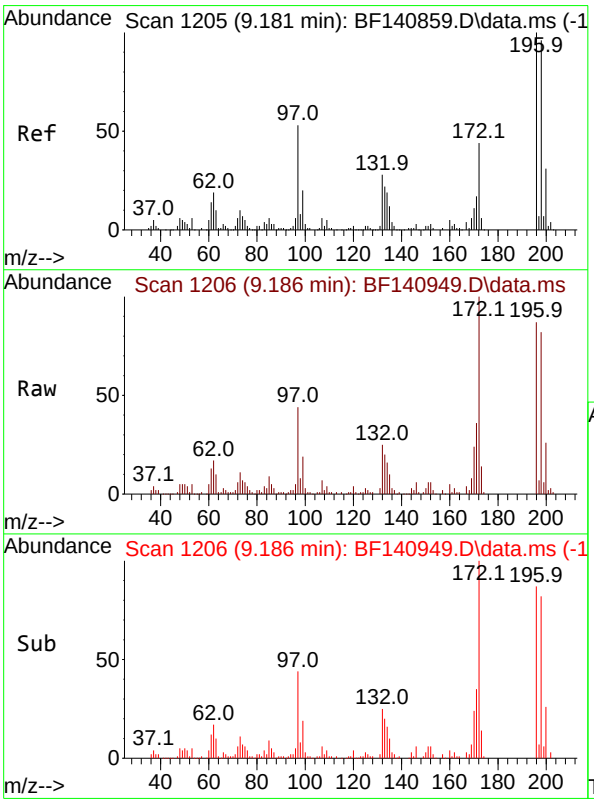

#43
2,4,6-Trichlorophenol
Concen: 53.386 ng
RT: 9.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:196 Resp: 102644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.4 | 77.4 | 116.0 |
| 200 | 29.6 | 24.5 | 36.7 |

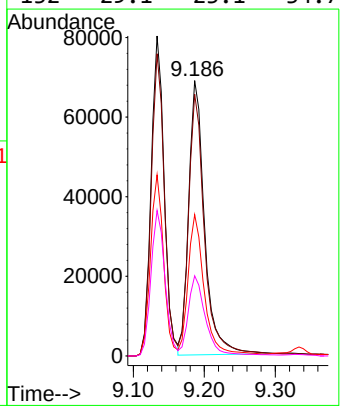


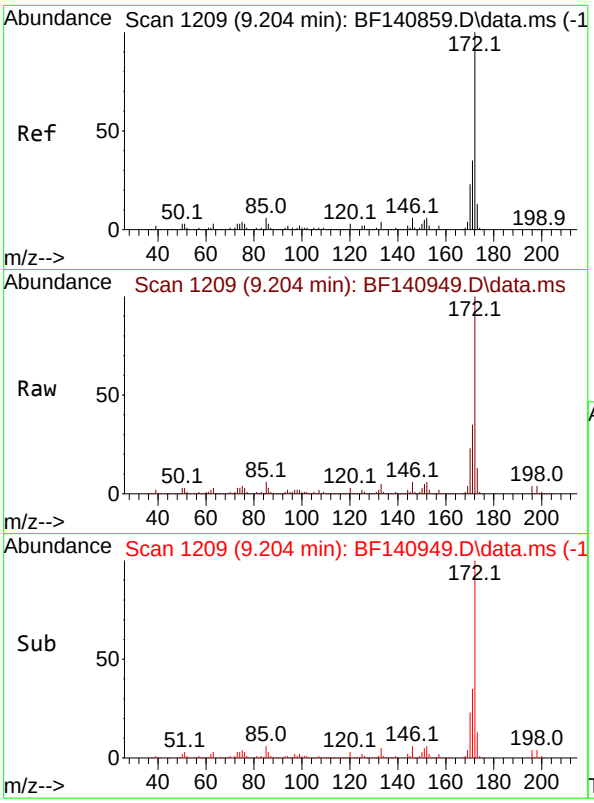




#44
2,4,5-Trichlorophenol
Concen: 50.828 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:196 Resp: 107412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.1 | 77.2 | 115.8 |
| 97 | 51.3 | 42.2 | 63.4 |
| 132 | 29.1 | 23.1 | 34.7 |



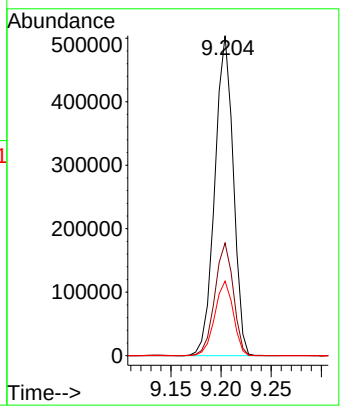


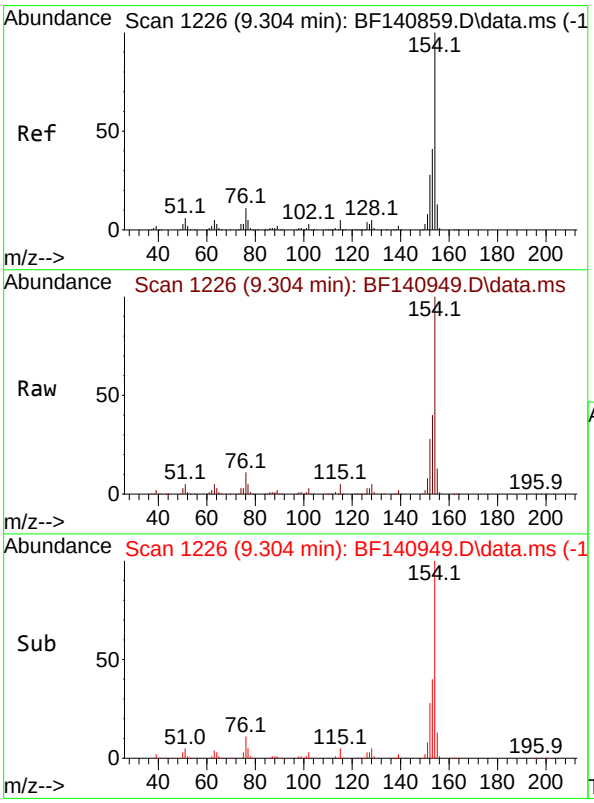

#45
2-Fluorobiphenyl
Concen: 86.762 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:172 Resp: 644674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.4 | 42.6 |
| 170 | 23.3 | 18.6 | 28.0 |

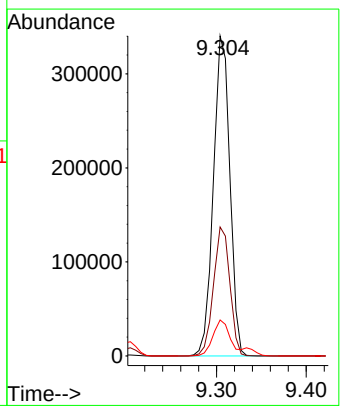


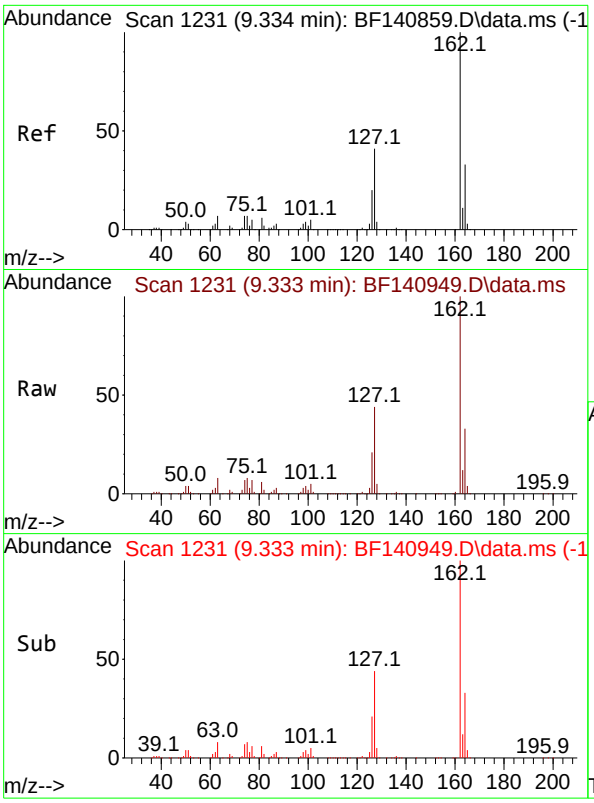




#46
1,1'-Biphenyl
Concen: 53.374 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:154 Resp: 433578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.8 | 60.8 |
| 76 | 11.3 | 0.0 | 31.0 |



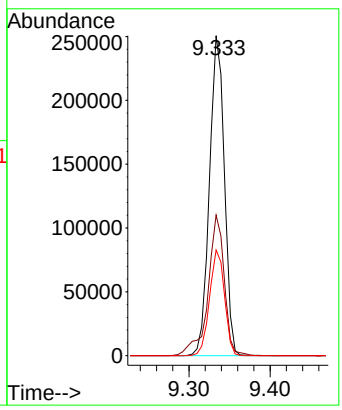


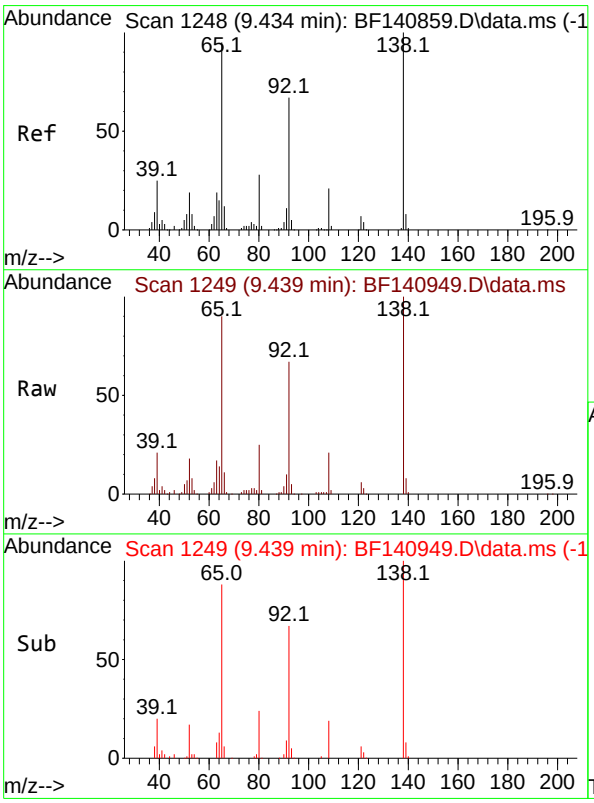

#47
2-Chloronaphthalene
Concen: 51.486 ng
RT: 9.333 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:162 Resp: 319959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.9 | 33.5 | 50.3 |
| 164 | 33.0 | 26.2 | 39.2 |

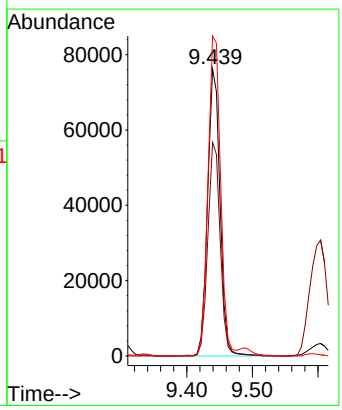


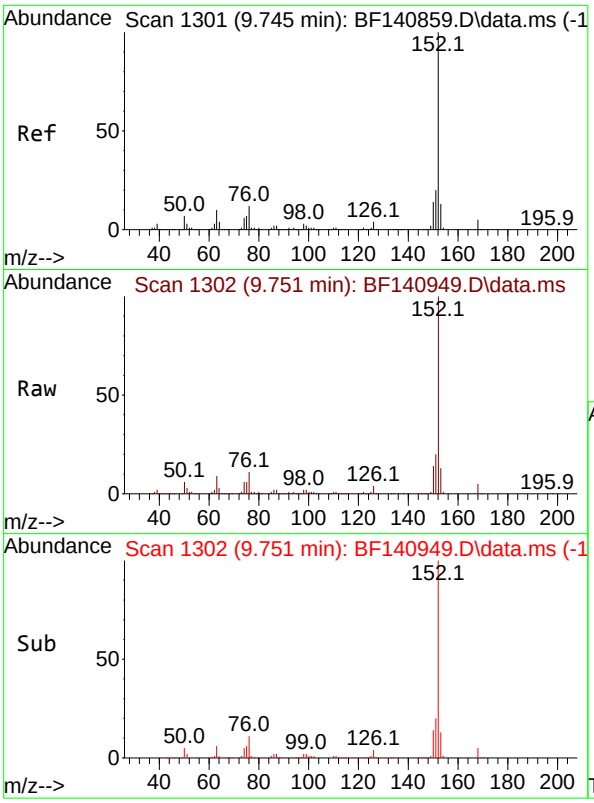




#48
2-Nitroaniline
Concen: 53.688 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 65 Resp: 100764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.4 | 56.3 | 84.5 |
| 138 | 111.5 | 83.8 | 125.6 |



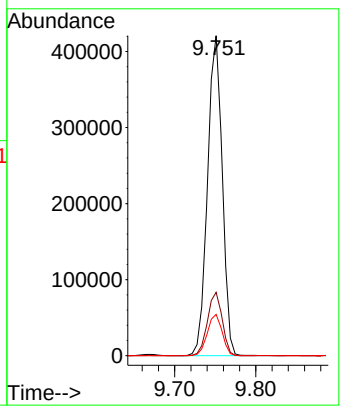


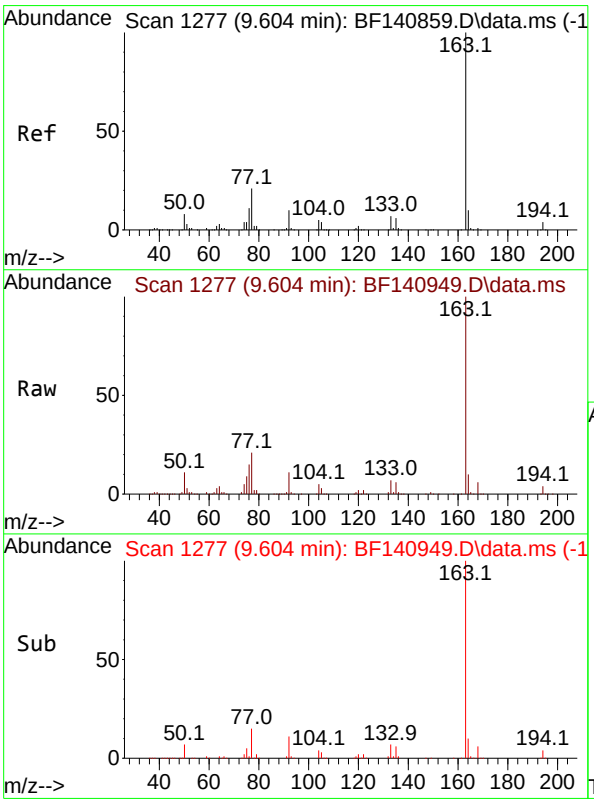

#49
Acenaphthylene
Concen: 57.943 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:152 Resp: 529169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 12.9 | 10.6 | 16.0 |

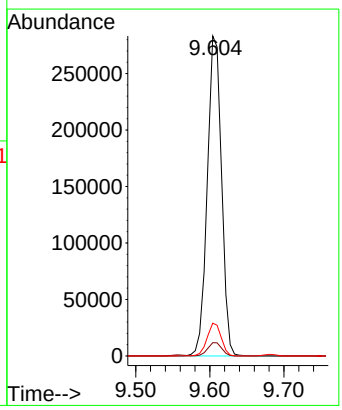


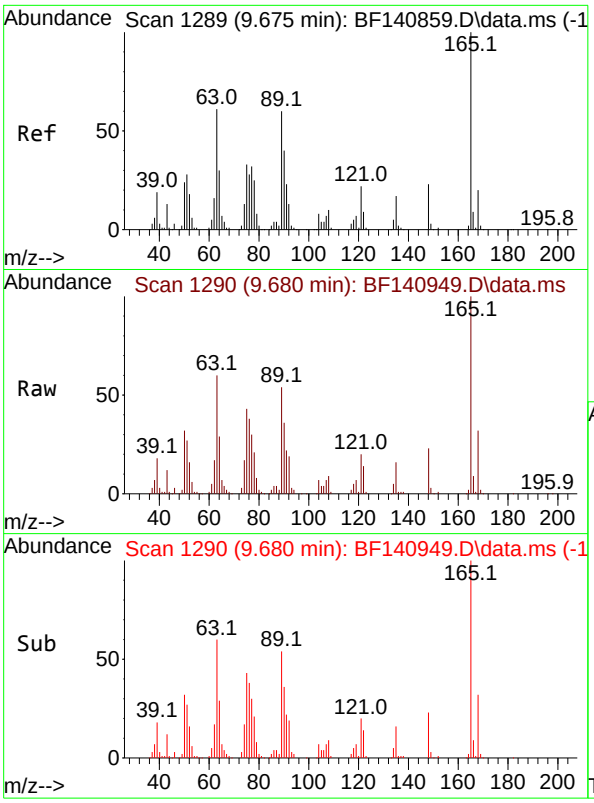




#50
Dimethylphthalate
Concen: 52.492 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:163 Resp: 378063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.2 | 8.1 | 12.1 |



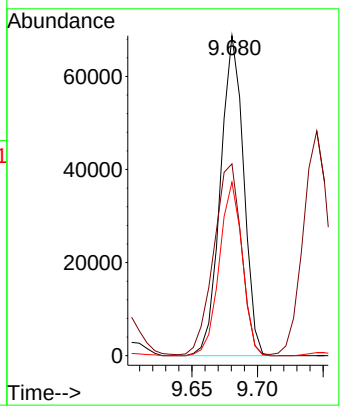


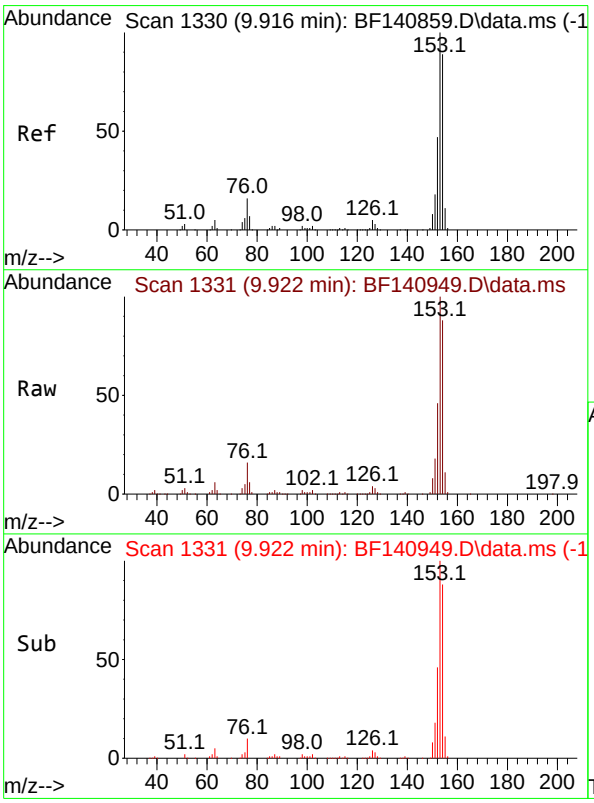

#51
2,6-Dinitrotoluene
Concen: 51.261 ng
RT: 9.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:165 Resp: 84402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.9 | 49.7 | 74.5 |
| 89 | 54.2 | 48.2 | 72.4 |

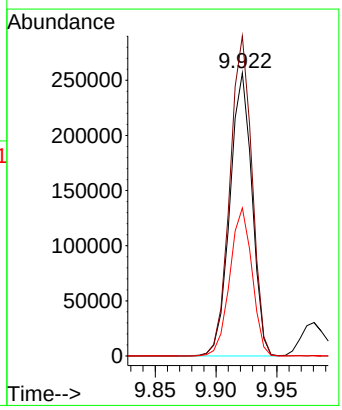


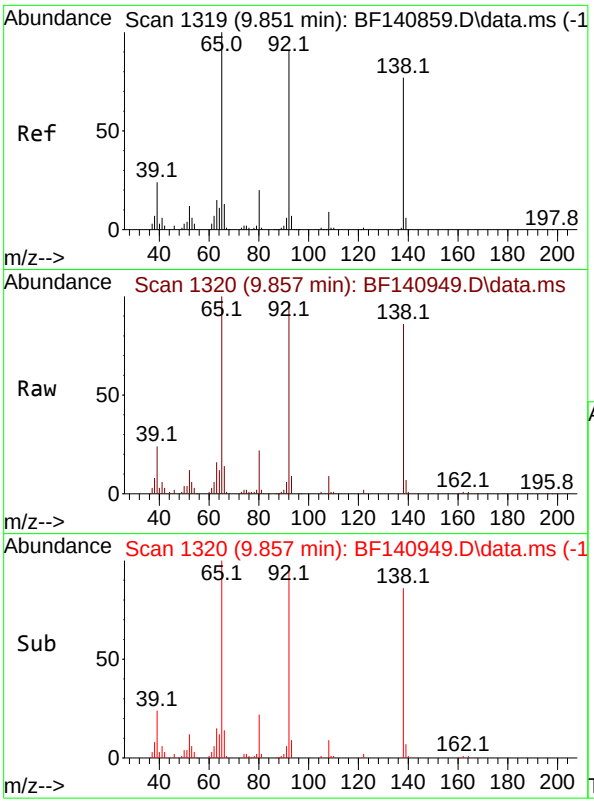




#52
Acenaphthene
Concen: 55.638 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:154 Resp: 324577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 89.9 | 134.9 |
| 152 | 52.3 | 42.6 | 63.8 |



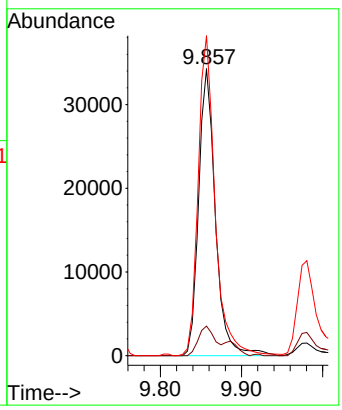


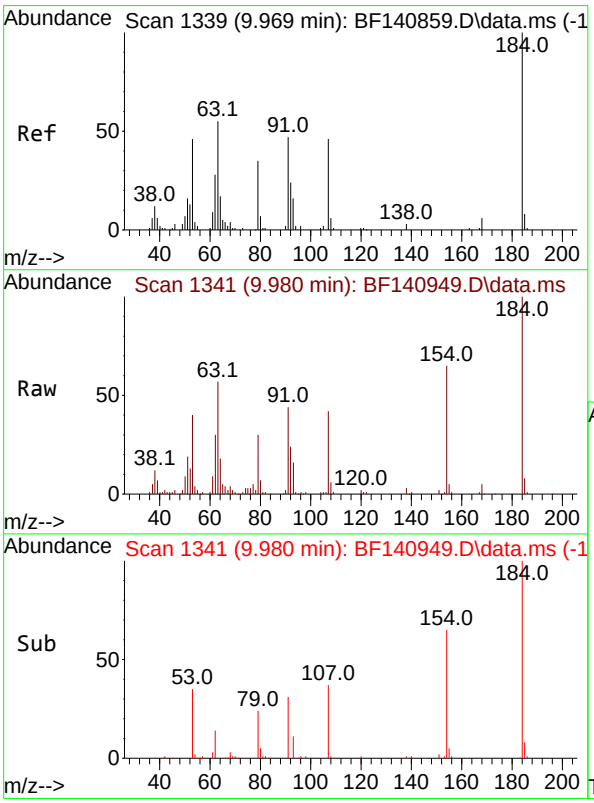

#53
3-Nitroaniline
Concen: 30.137 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:138 Resp: 49243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 9.0 | 13.4 |
| 92 | 111.5 | 95.5 | 143.3 |

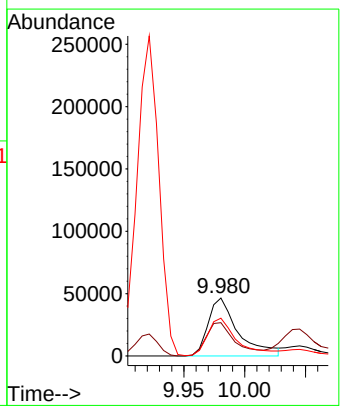


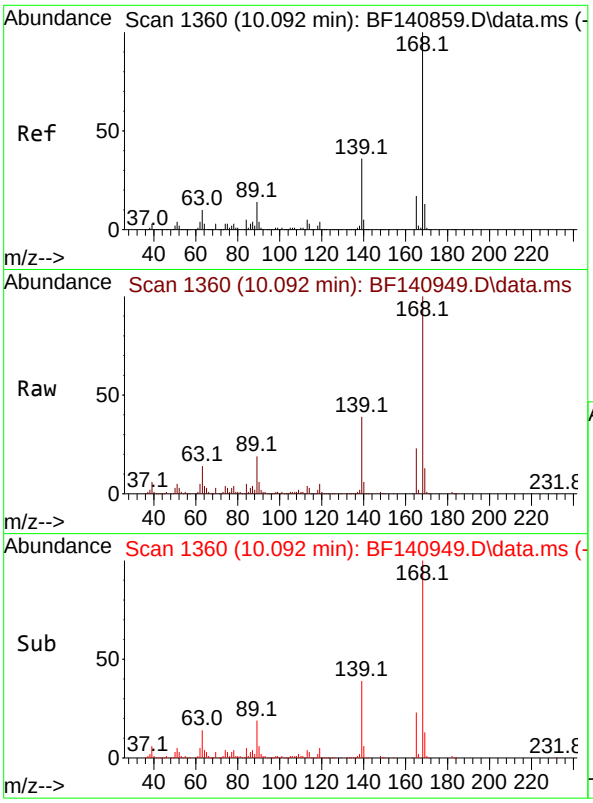




#54
2,4-Dinitrophenol
Concen: 97.834 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:184 Resp: 79873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 57.4 | 51.6 | 77.4 |
| 154 | 65.2 | 56.1 | 84.1 |



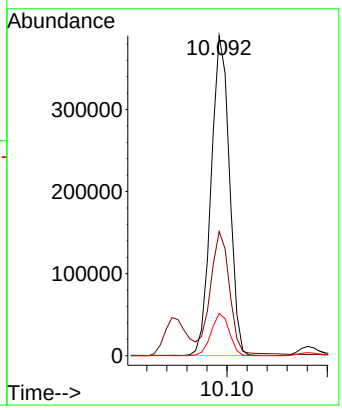


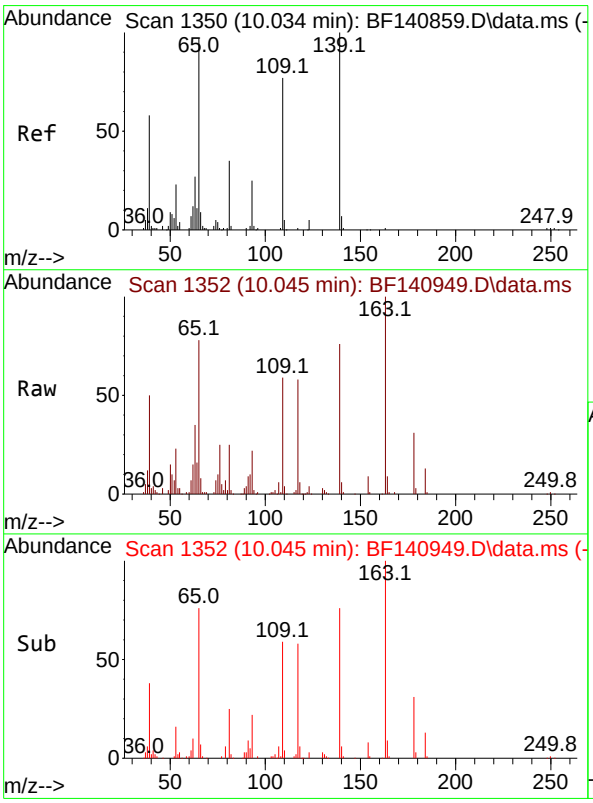

#55
Dibenzofuran
Concen: 54.567 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:168 Resp: 493268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.8 | 31.1 | 46.7 |
| 169 | 13.2 | 10.6 | 16.0 |

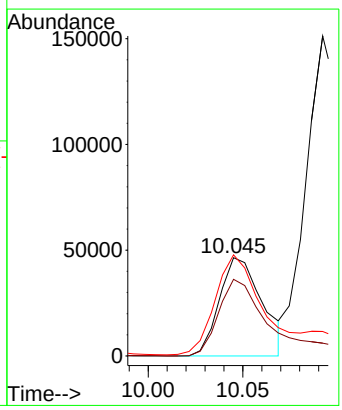


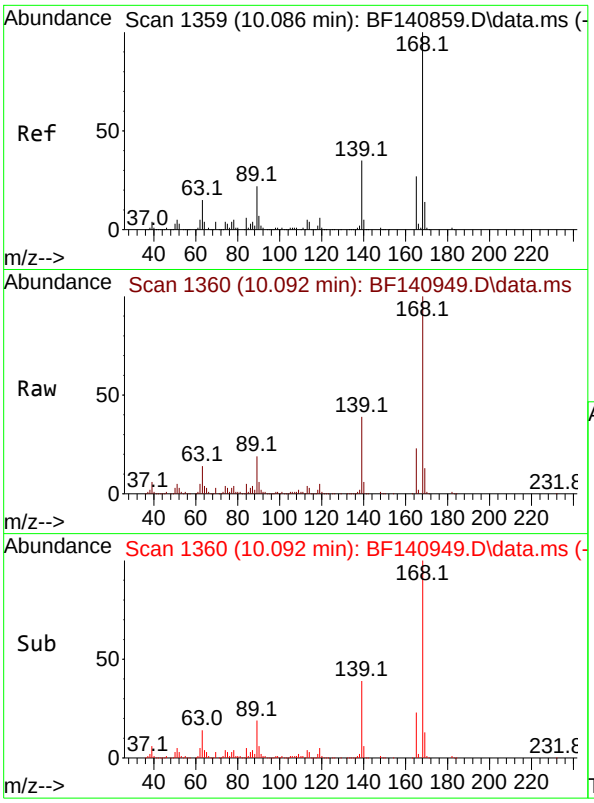




#56
4-Nitrophenol
Concen: 82.863 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 72978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.9 | 56.7 | 96.7 |
| 65 | 102.9 | 78.1 | 118.1 |



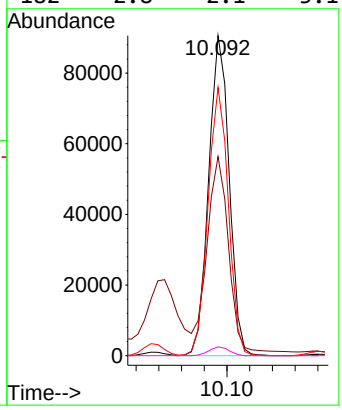


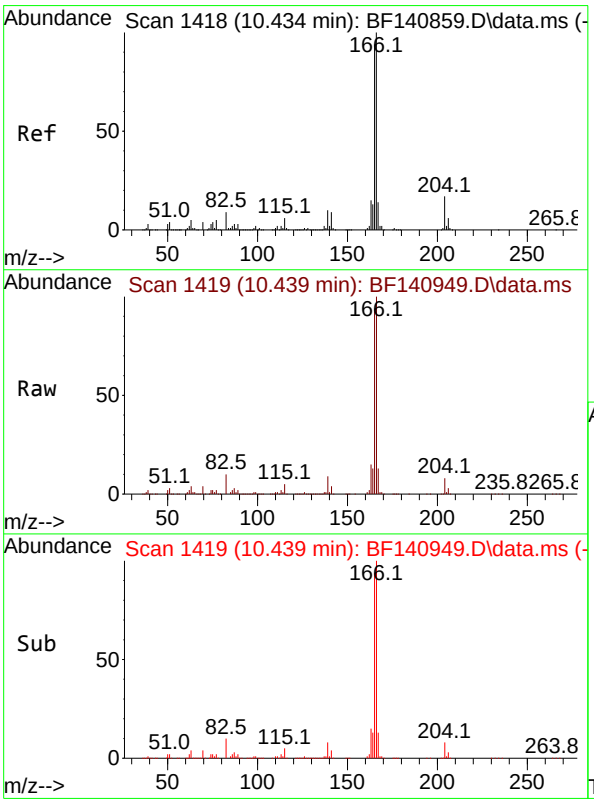

#57
2,4-Dinitrotoluene
Concen: 52.453 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:165 Resp: 113633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.2 | 49.3 | 73.9 |
| 89 | 83.8 | 66.2 | 99.4 |
| 182 | 2.8 | 2.1 | 3.1 |

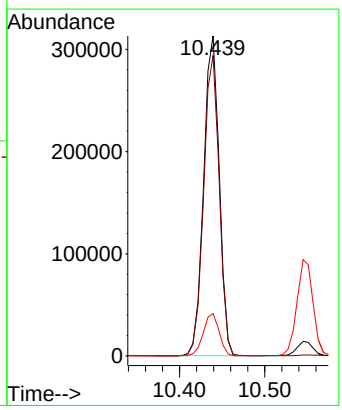


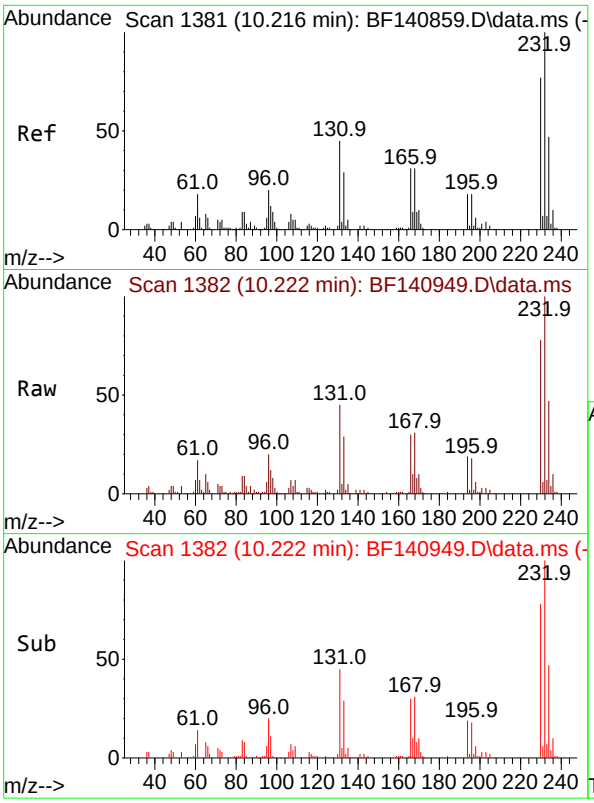




#58
Fluorene
Concen: 53.279 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:166 Resp: 397342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 93.8 | 75.1 | 112.7 |
| 167 | 13.3 | 11.1 | 16.7 |



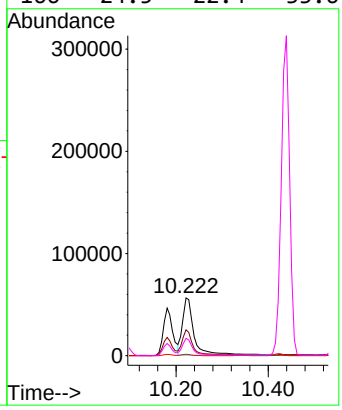


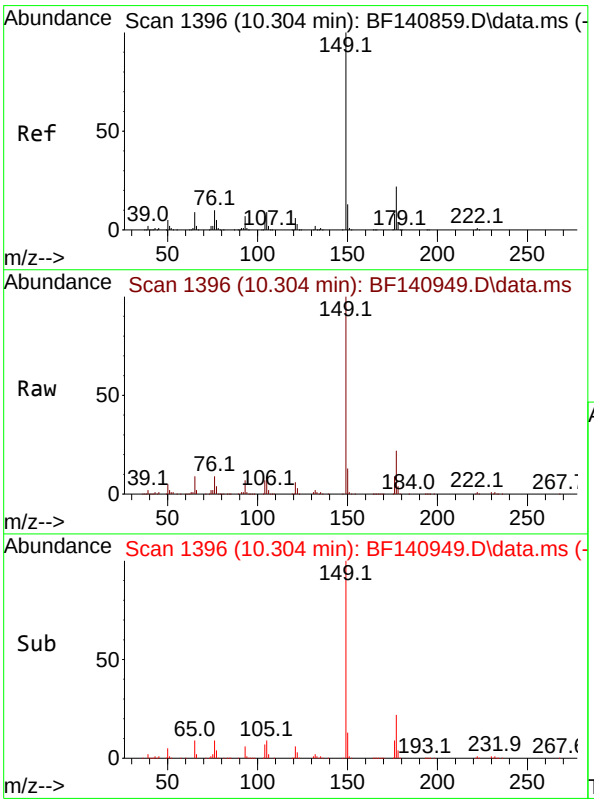

#59
2,3,4,6-Tetrachlorophenol
Concen: 56.336 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:232 Resp: 97009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 36.7 | 35.1 | 52.7 |
| 130 | 2.0 | 1.8 | 2.8 |
| 166 | 24.5 | 22.4 | 33.6 |

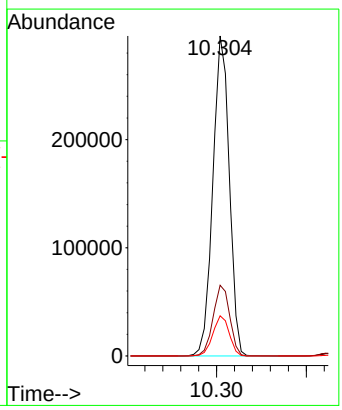


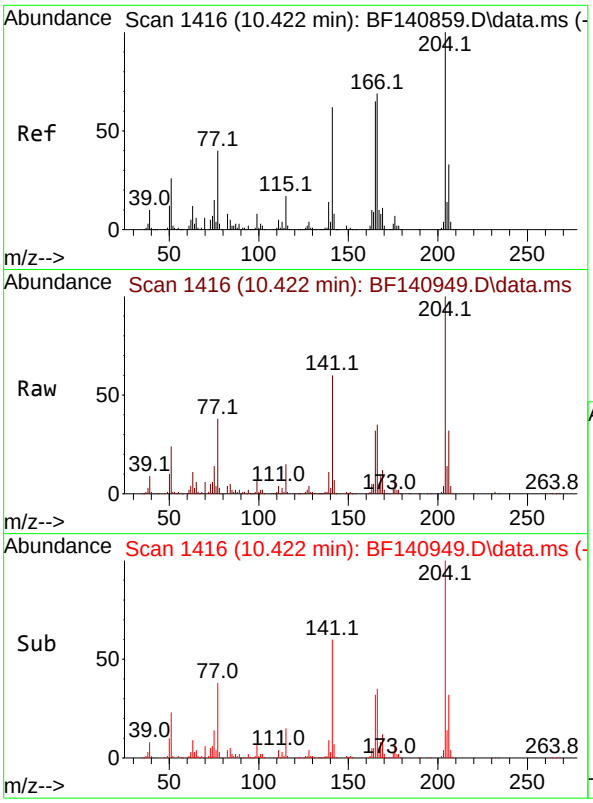




#60
Diethylphthalate
Concen: 50.345 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 376001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.2 | 25.8 |
| 150 | 12.6 | 10.1 | 15.1 |



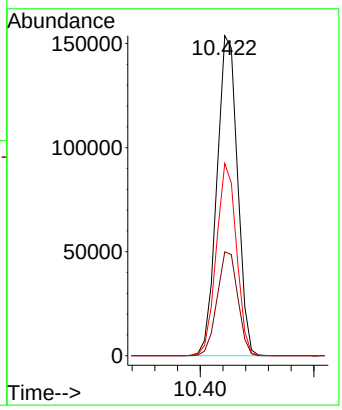


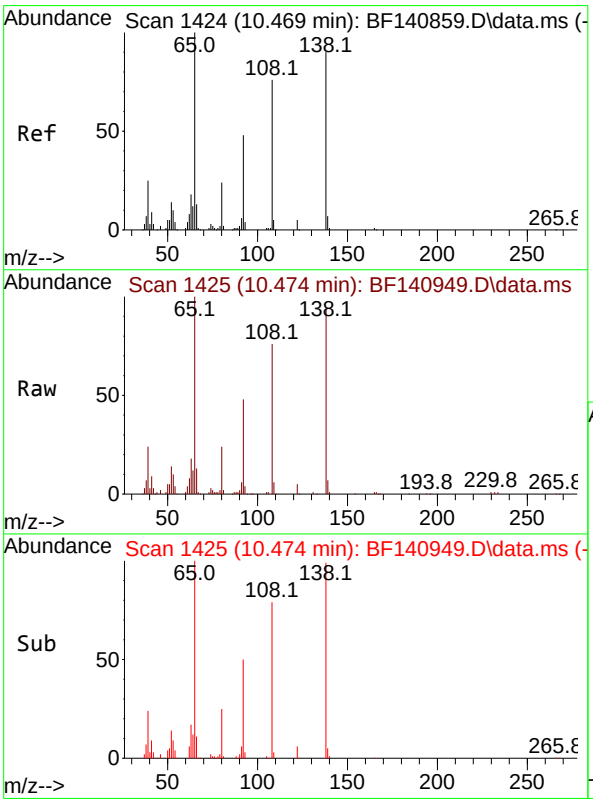

#61
4-Chlorophenyl-phenylether
Concen: 51.761 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:204 Resp: 193903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.5 | 39.7 |
| 141 | 60.0 | 50.0 | 75.0 |

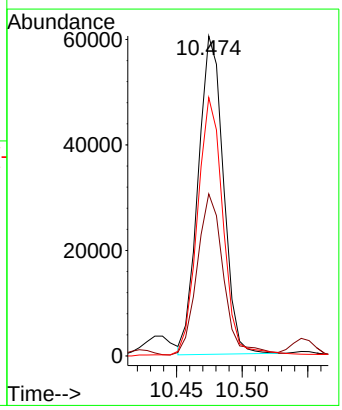


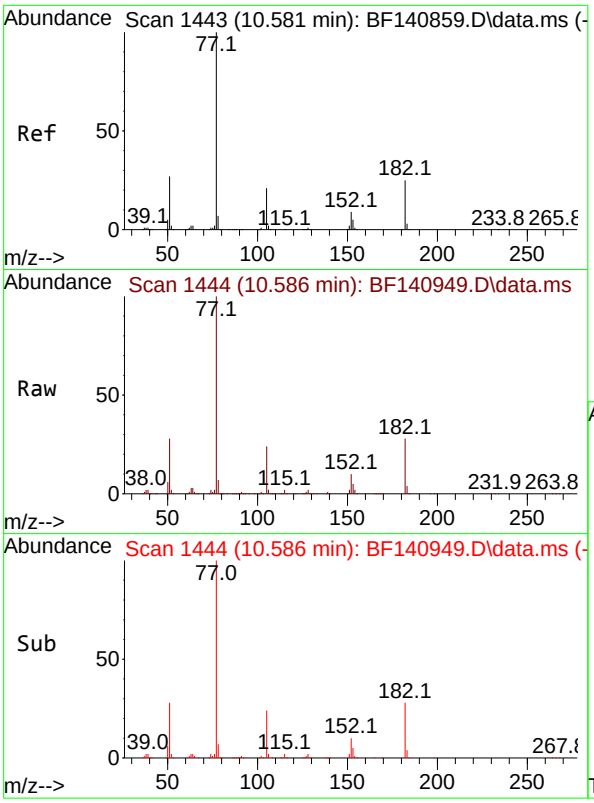




#62
4-Nitroaniline
Concen: 47.236 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:138 Resp: 80656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.7 | 32.6 | 72.6 |
| 108 | 80.7 | 64.1 | 104.1 |



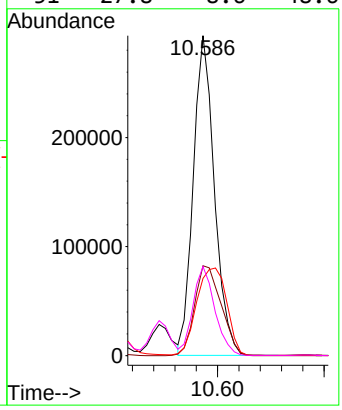


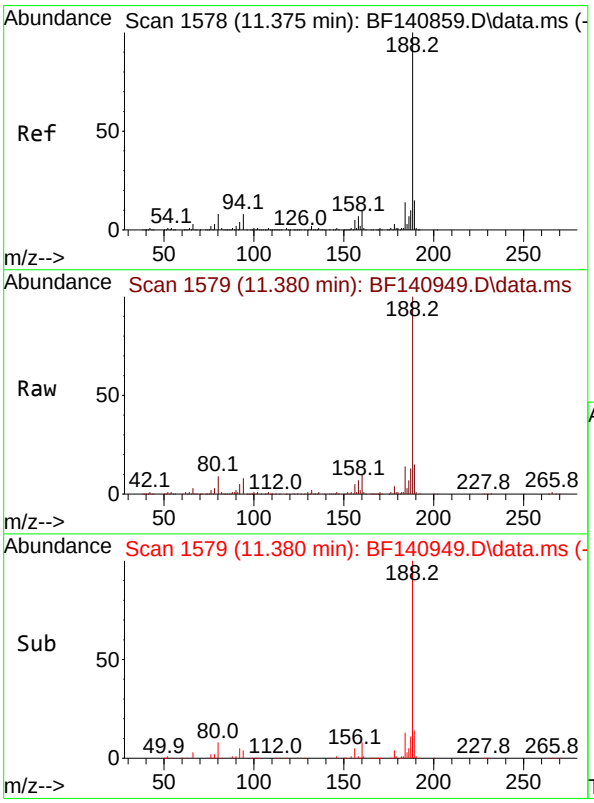

#63
Azobenzene
Concen: 57.590 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion: 77 Resp: 404359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.1 | 4.5 | 44.5 |
| 105 | 24.2 | 0.9 | 40.9 |
| 51 | 27.8 | 8.6 | 48.6 |

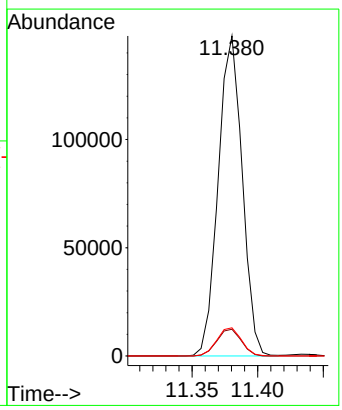


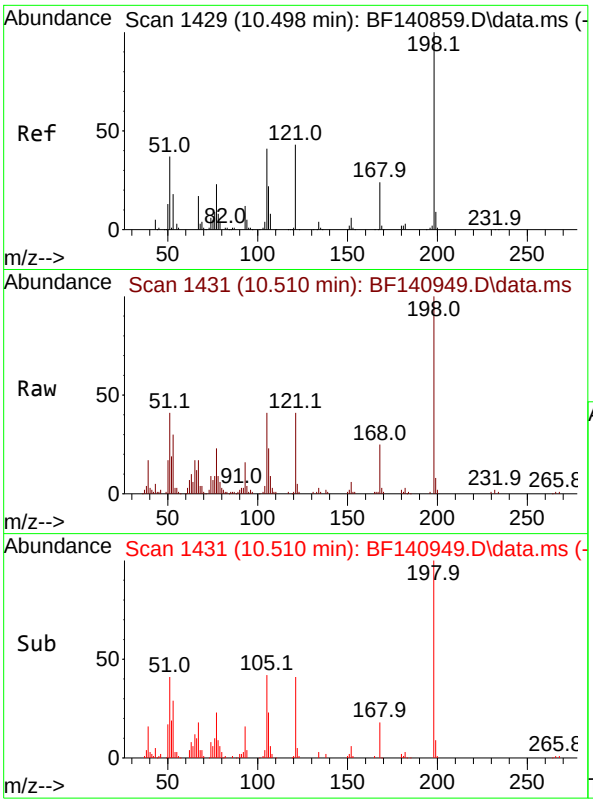




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:188 Resp: 188148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.4 | 9.6 |
| 80 | 8.8 | 6.8 | 10.2 |



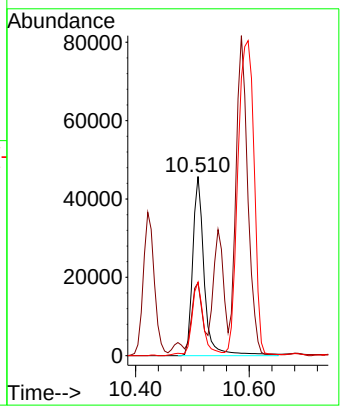


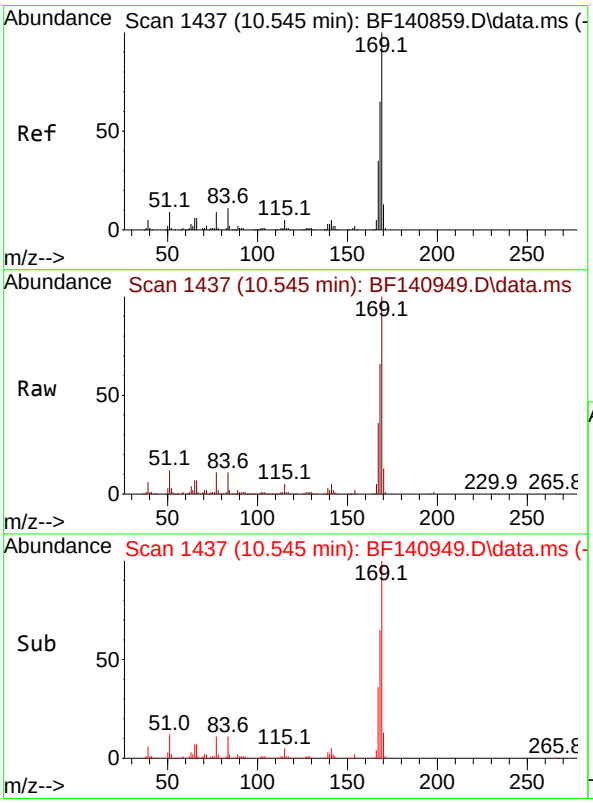

#65
4,6-Dinitro-2-methylphenol
Concen: 60.672 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:198 Resp: 64685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.7 | 24.4 | 64.4 |
| 105 | 41.0 | 22.1 | 62.1 |

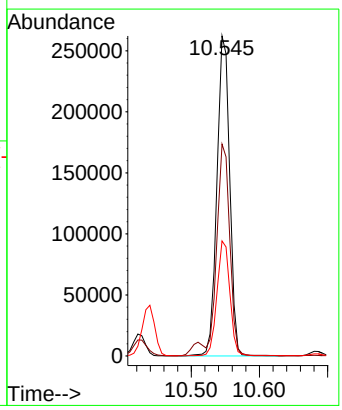


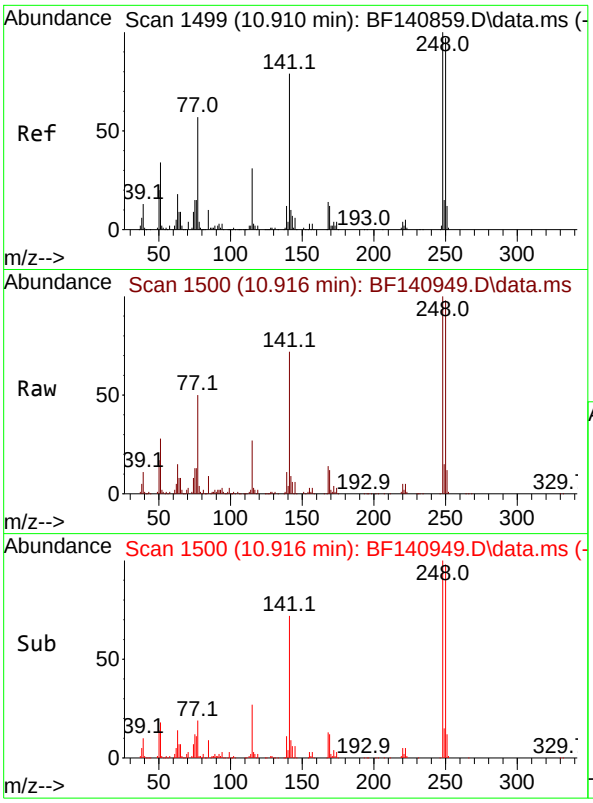




#66
n-Nitrosodiphenylamine
Concen: 58.988 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:169 Resp: 341229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 53.4 | 80.0 |
| 167 | 36.0 | 28.3 | 42.5 |



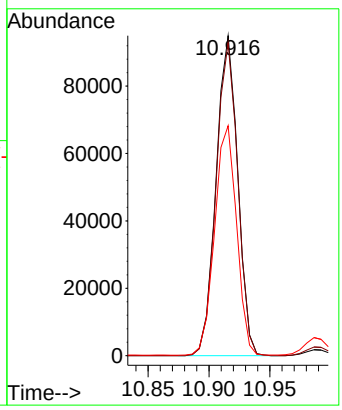


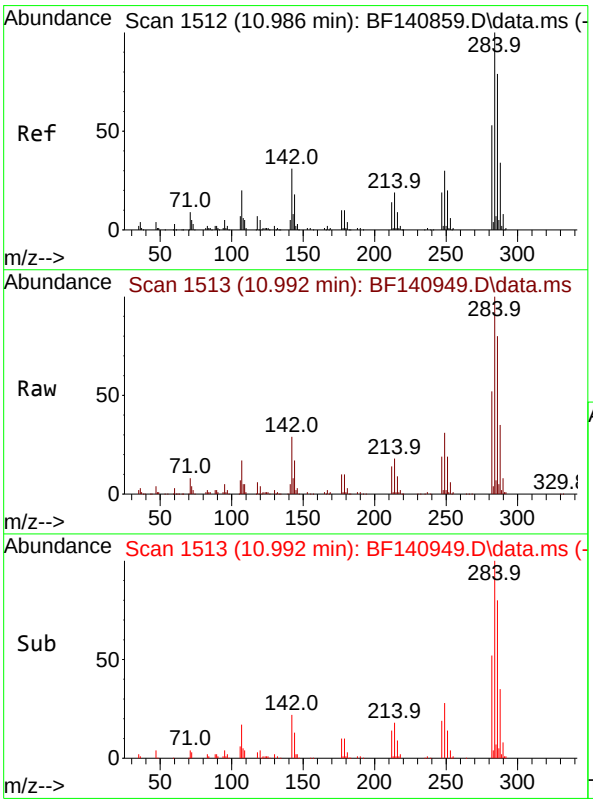

#67
4-Bromophenyl-phenylether
Concen: 55.838 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:248 Resp: 117531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.4 | 116.2 |
| 141 | 71.8 | 62.9 | 94.3 |

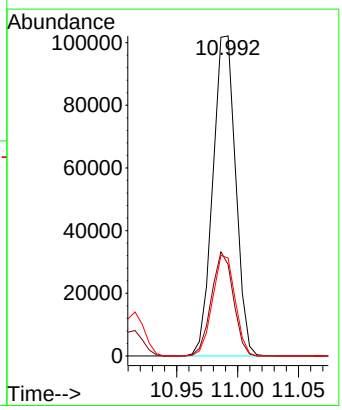


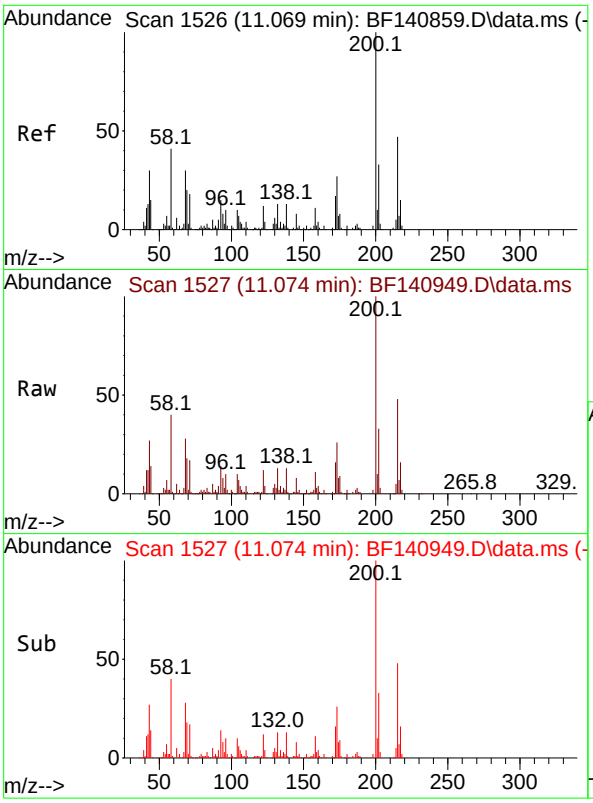




#68
Hexachlorobenzene
Concen: 55.821 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:284 Resp: 133215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.6 | 24.6 | 36.8 |
| 249 | 30.6 | 24.3 | 36.5 |



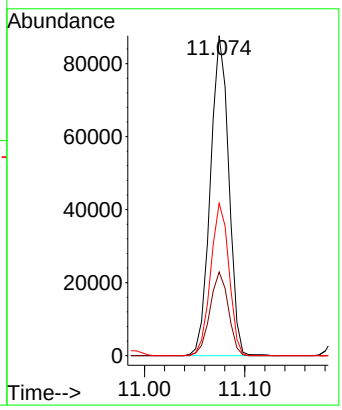


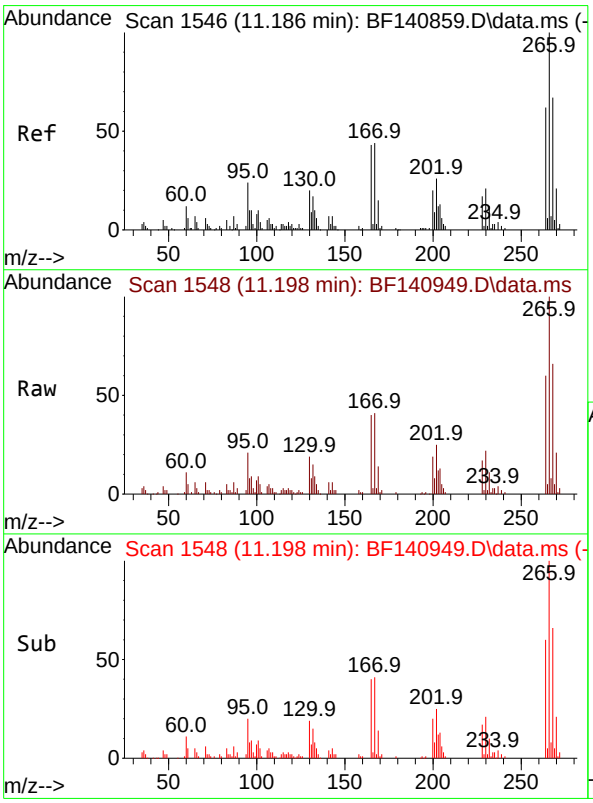

#69
Atrazine
Concen: 69.163 ng
RT: 11.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:200 Resp: 111739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.1 | 6.6 | 46.6 |
| 215 | 47.6 | 26.7 | 66.7 |

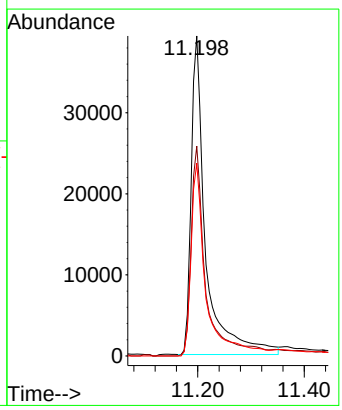


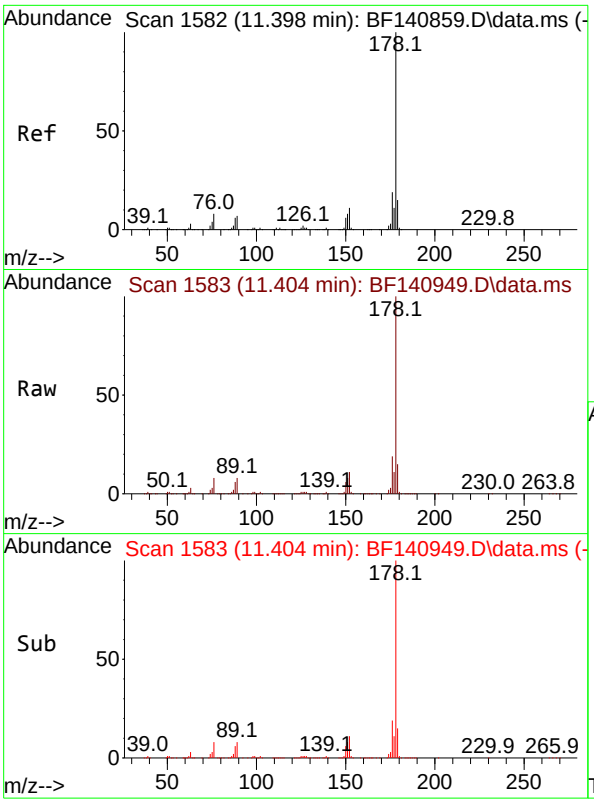




#70
Pentachlorophenol
Concen: 85.412 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:266 Resp: 74523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.6 | 54.0 | 81.0 |
| 264 | 60.3 | 49.4 | 74.2 |



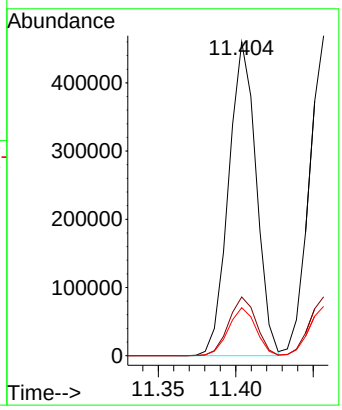


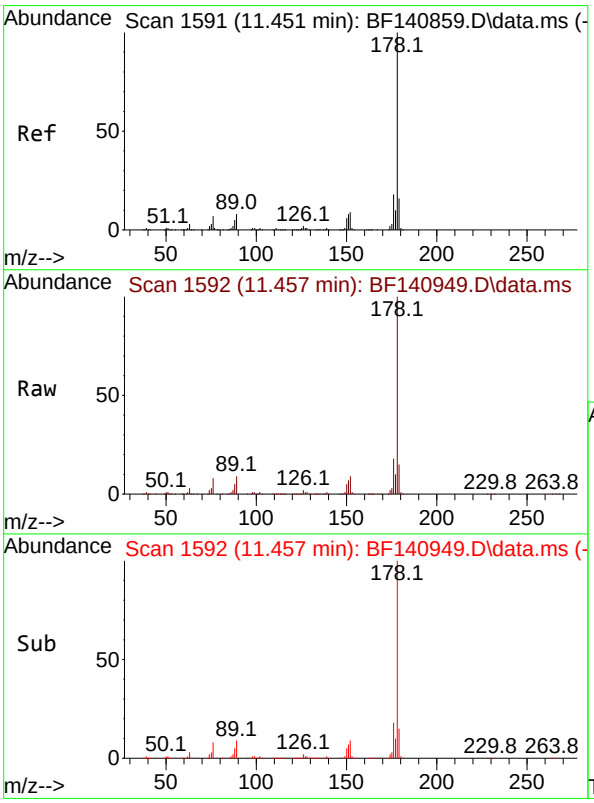

#71
Phenanthrene
Concen: 58.813 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:178 Resp: 569035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 15.3 | 12.1 | 18.1 |

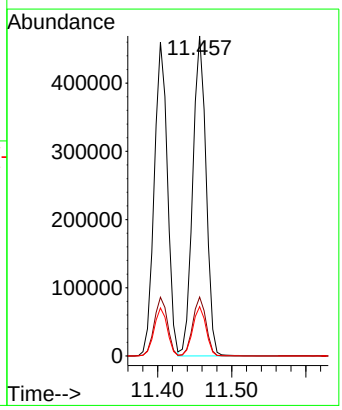


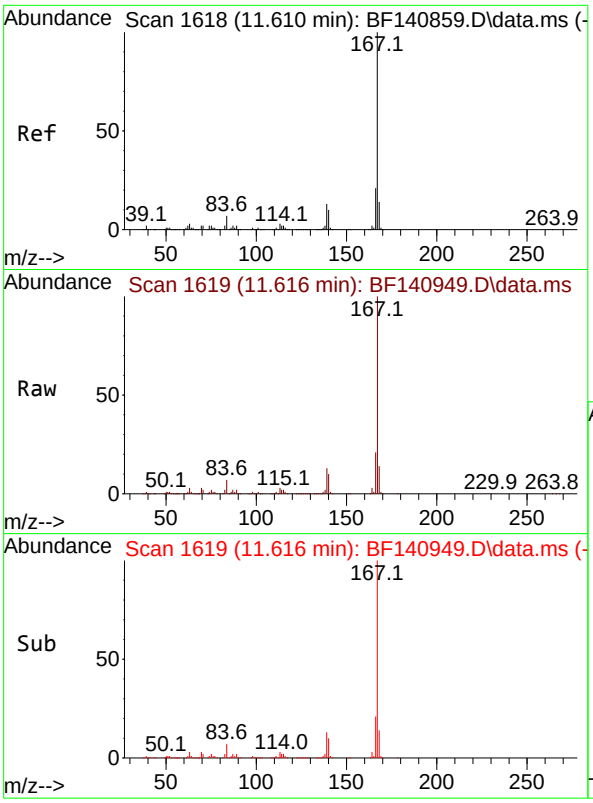




#72
Anthracene
Concen: 61.442 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:178 Resp: 585440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.6 | 22.0 |
| 179 | 15.4 | 12.6 | 18.8 |



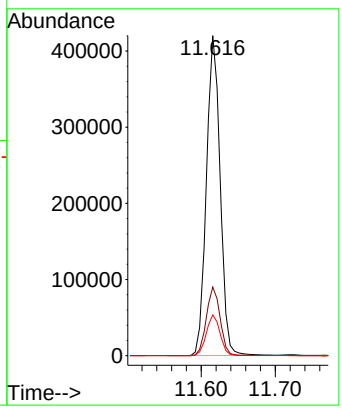


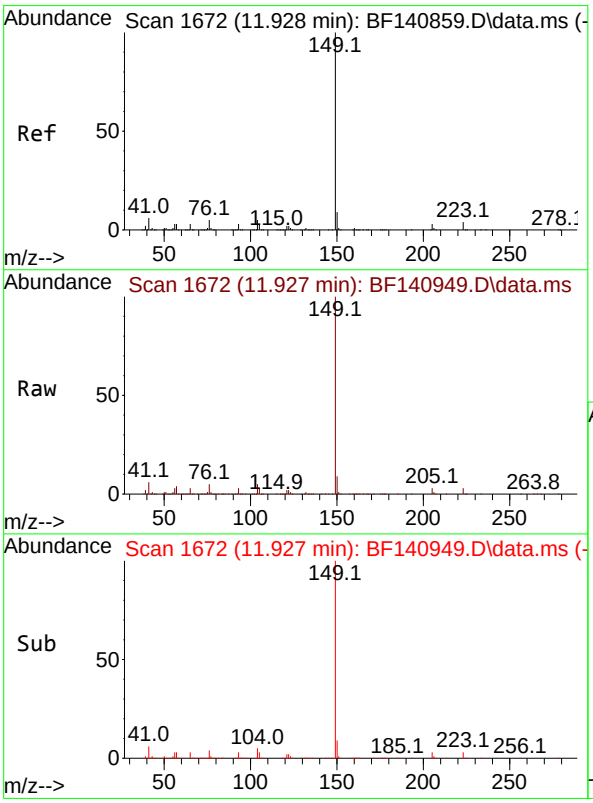

#73
Carbazole
Concen: 57.981 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:167 Resp: 541131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.6 |
| 139 | 12.7 | 10.2 | 15.2 |

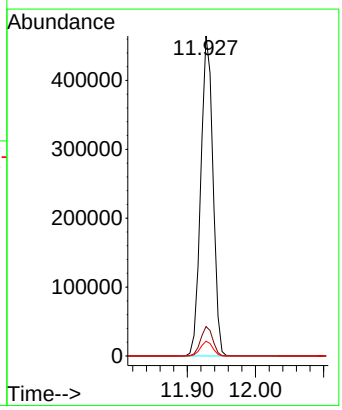


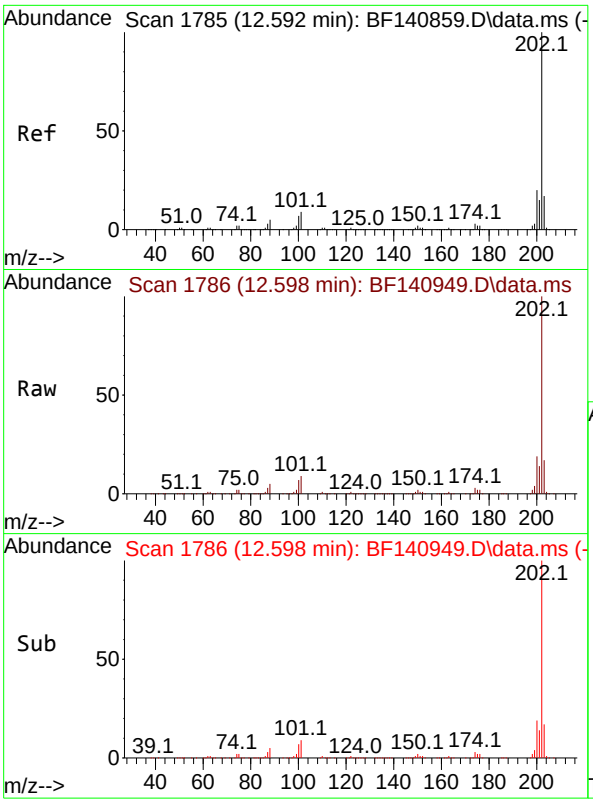




#74
Di-n-butylphthalate
Concen: 52.767 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 577959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |



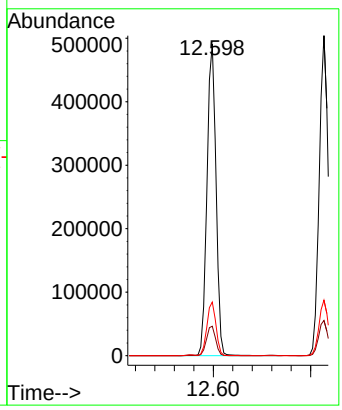


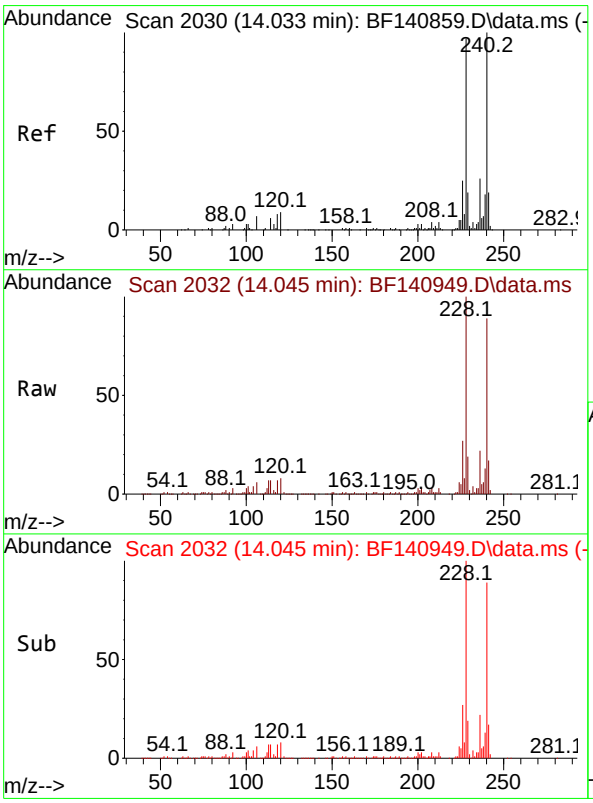

#75
Fluoranthene
Concen: 56.429 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:202 Resp: 628778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 29.3 |
| 203 | 17.2 | 0.0 | 37.4 |

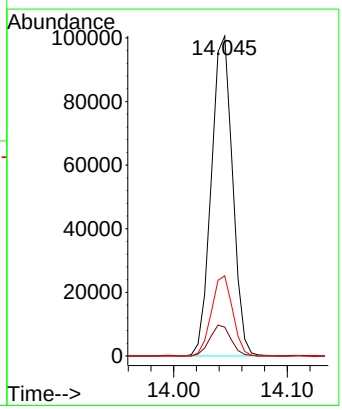


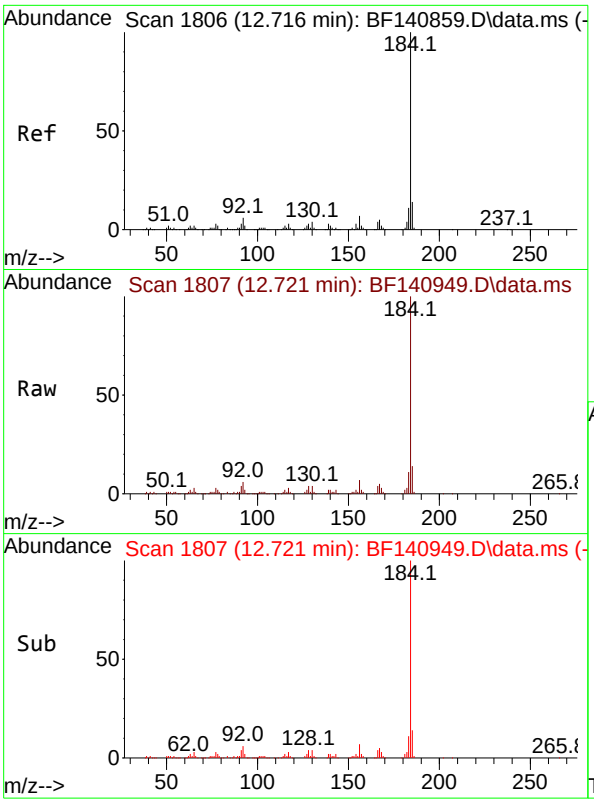




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:240 Resp: 131096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 7.6 | 11.4 |
| 236 | 25.0 | 20.5 | 30.7 |



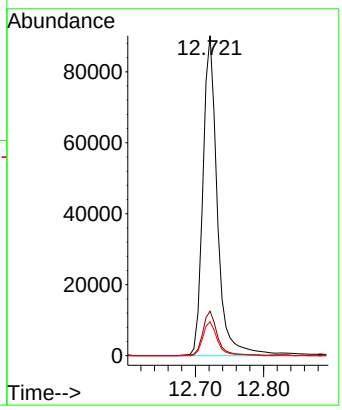


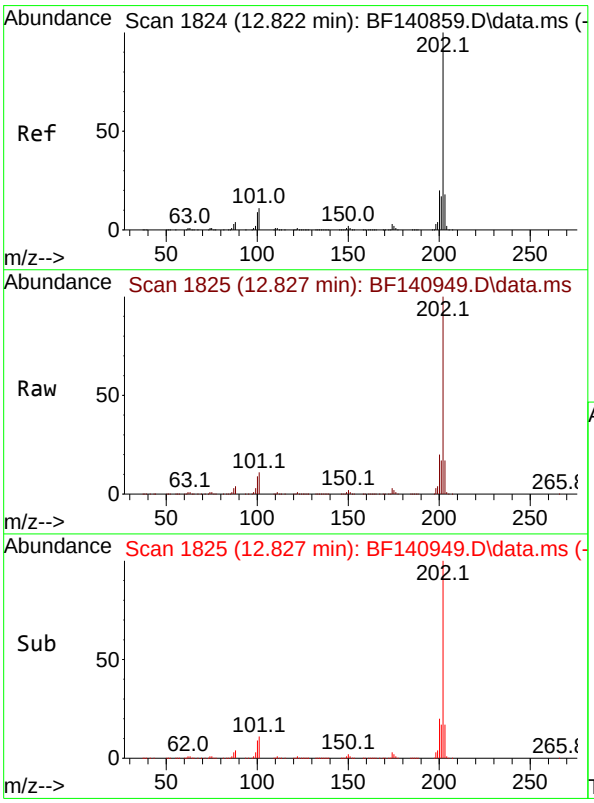

#77
Benzidine
Concen: 49.567 ng
RT: 12.721 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:184 Resp: 132623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.1 | 16.7 |
| 183 | 10.6 | 9.0 | 13.4 |

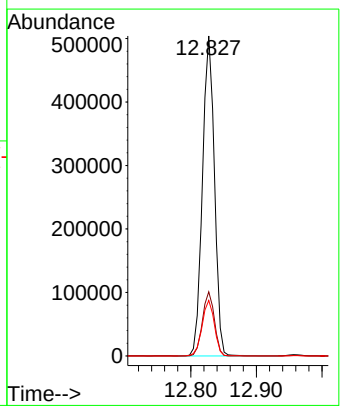


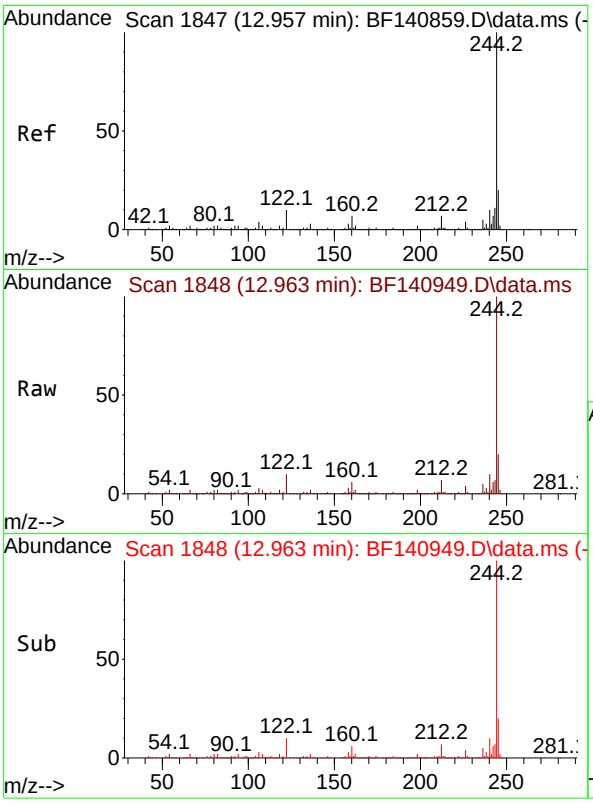




#78
Pyrene
Concen: 55.145 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:202 Resp: 642867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 16.1 | 24.1 |
| 203 | 17.4 | 14.2 | 21.4 |



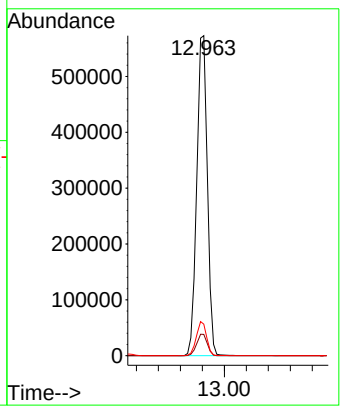


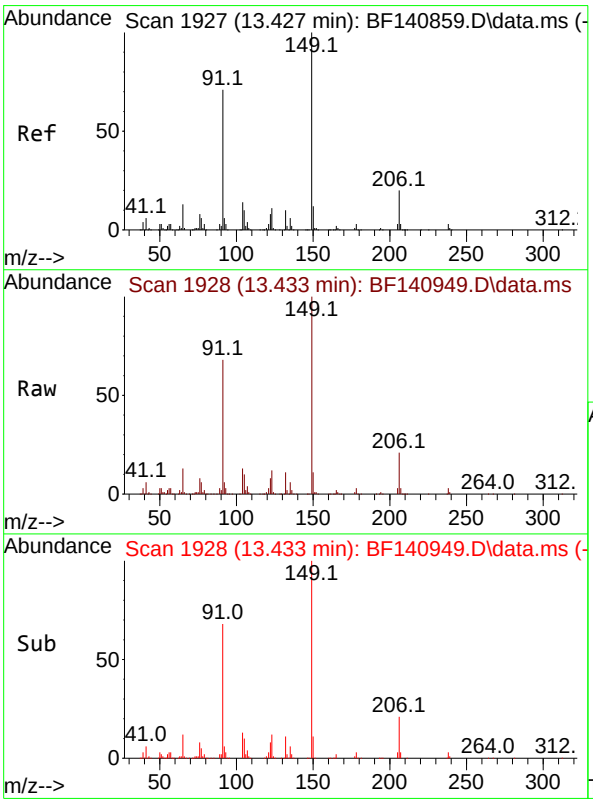

#79
Terphenyl-d14
Concen: 92.274 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:244 Resp: 767138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 9.8 | 8.2 | 12.2 |

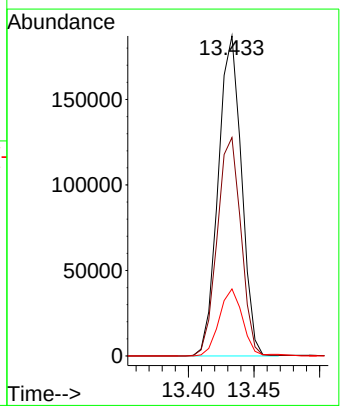


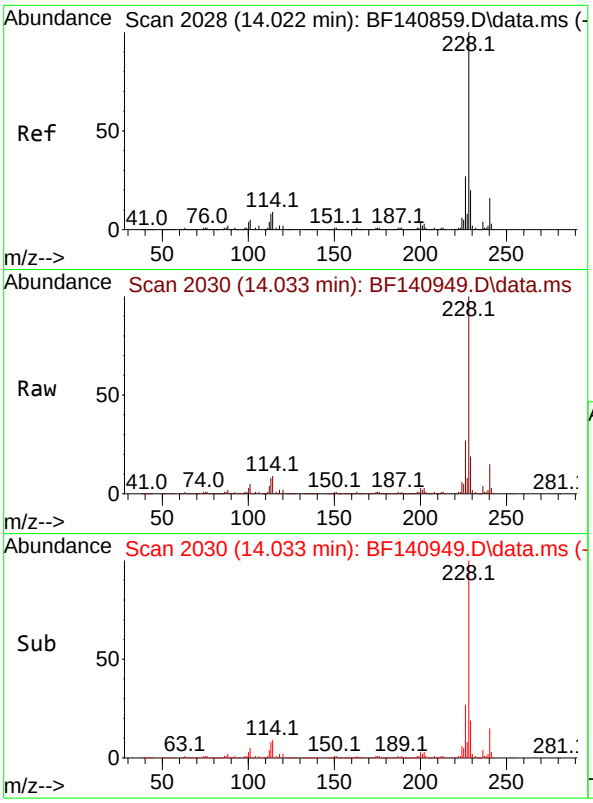




#80
Butylbenzylphthalate
Concen: 53.914 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 231266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.2 | 56.7 | 85.1 |
| 206 | 21.0 | 16.4 | 24.6 |



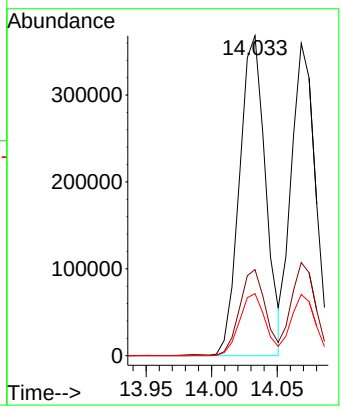


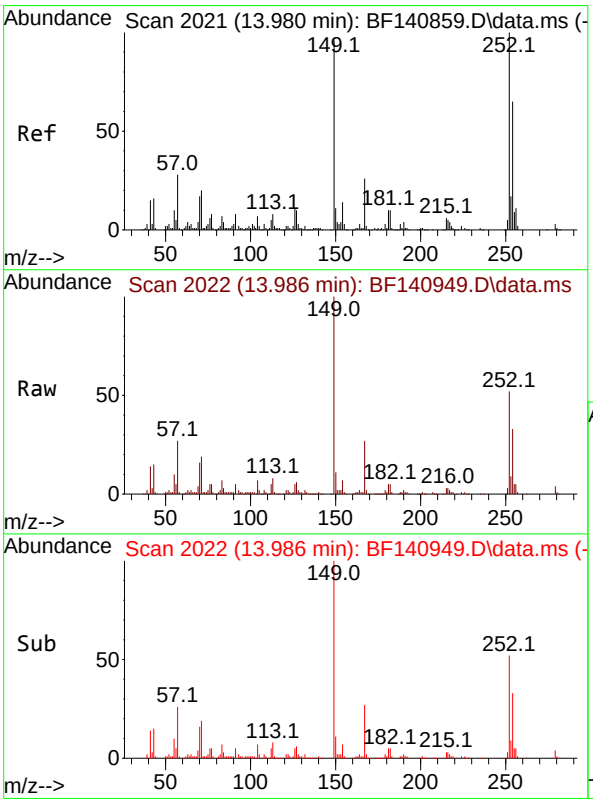

#81
Benzo(a)anthracene
Concen: 54.752 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:228 Resp: 508709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 19.4 | 15.8 | 23.8 |

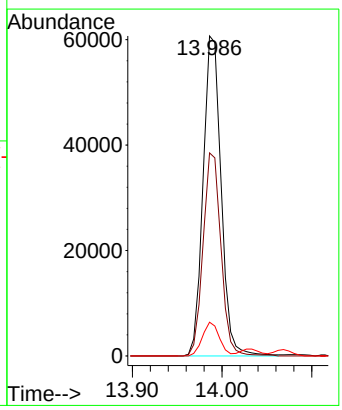


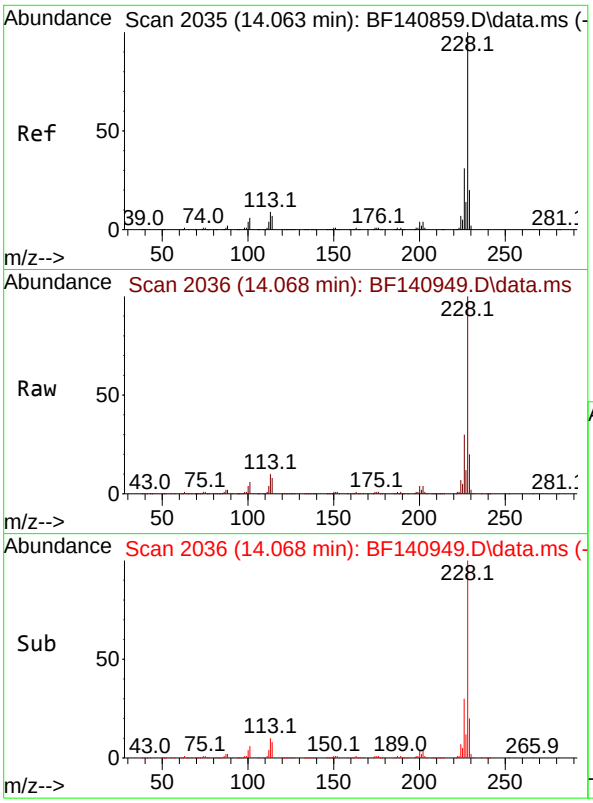




#82
3,3'-Dichlorobenzidine
Concen: 30.219 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 84711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.5 | 52.3 | 78.5 |
| 126 | 10.5 | 8.4 | 12.6 |



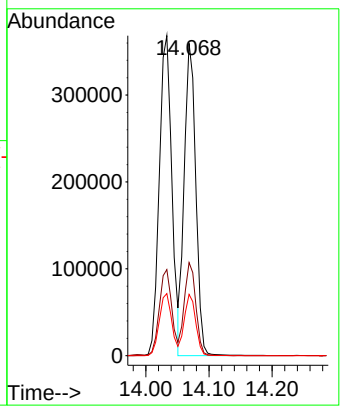


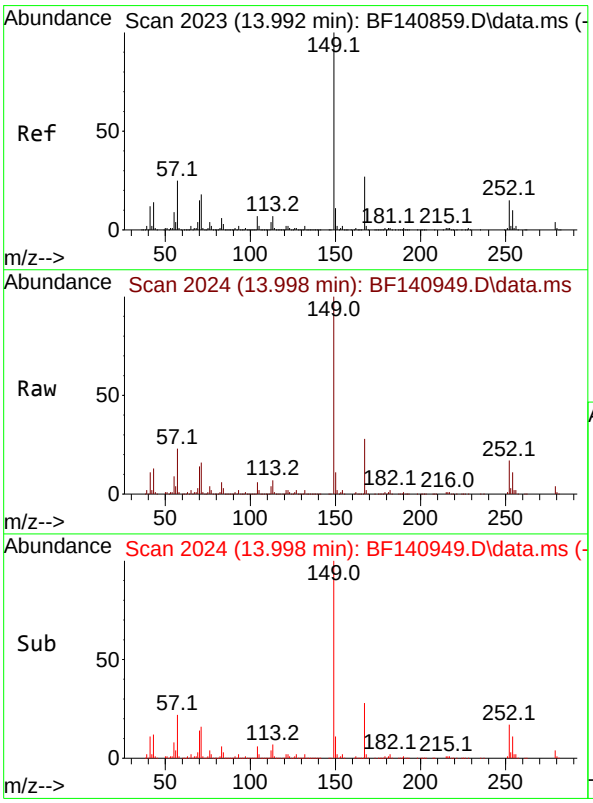

#83
Chrysene
Concen: 54.249 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:228 Resp: 458342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 19.6 | 16.0 | 24.0 |

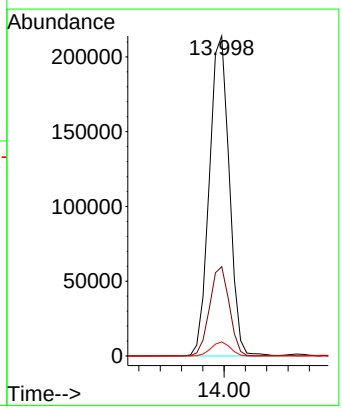


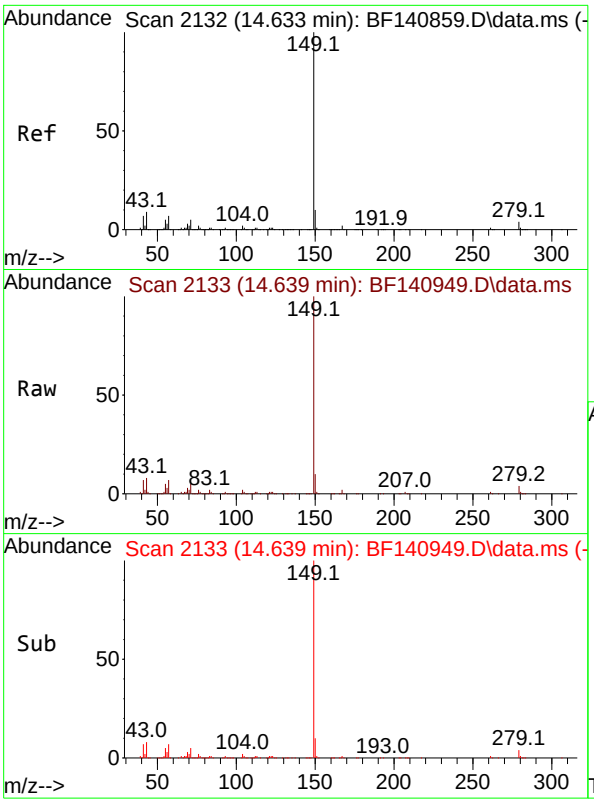




#84
Bis(2-ethylhexyl)phthalate
Concen: 50.188 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 277592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 21.8 | 32.8 |
| 279 | 4.4 | 3.5 | 5.3 |



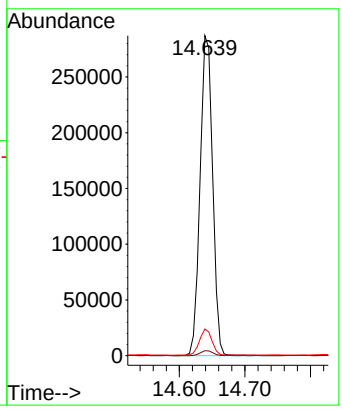


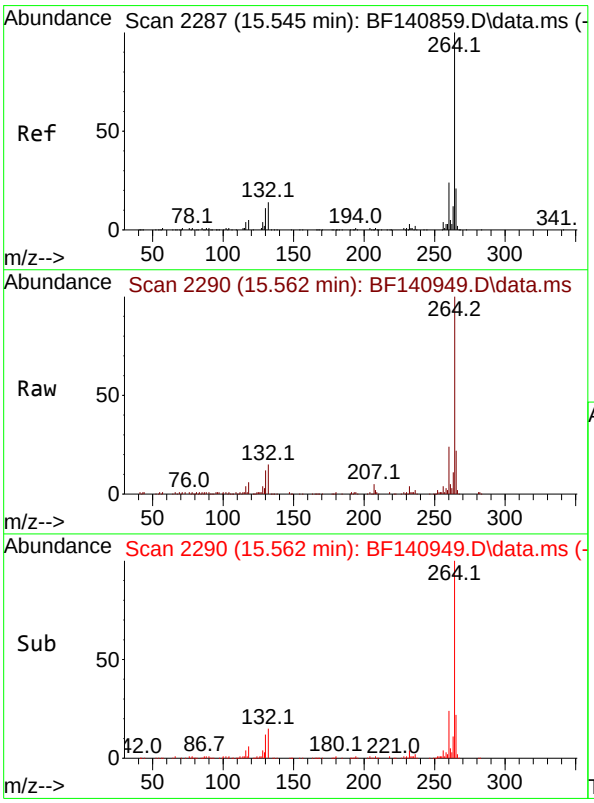

#85
Di-n-octyl phthalate
Concen: 45.836 ng
RT: 14.639 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:149 Resp: 383542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |

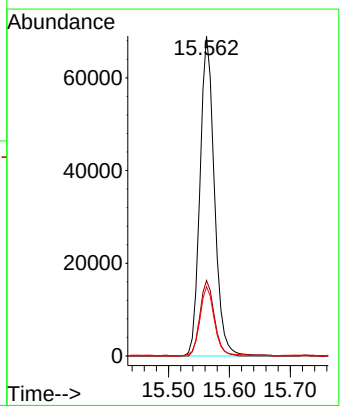


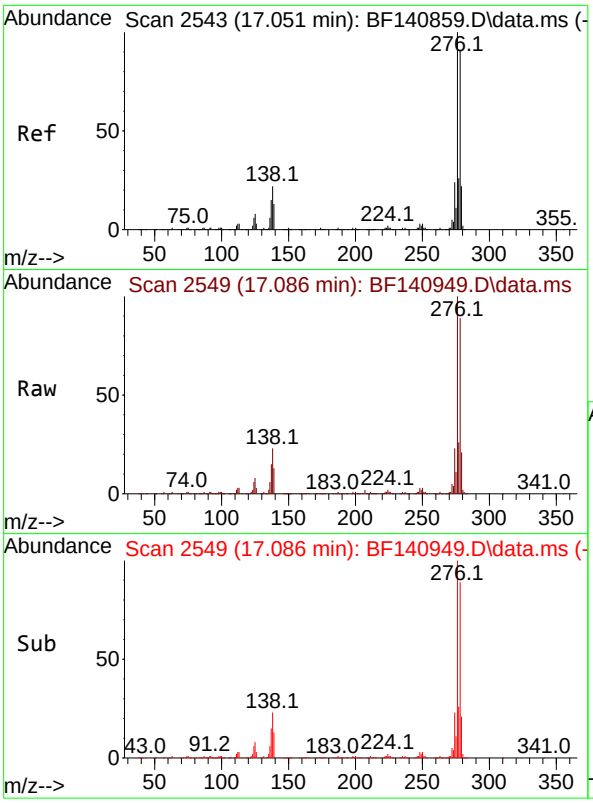




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.017 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:264 Resp: 113765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 19.1 | 28.7 |
| 265 | 21.6 | 17.0 | 25.4 |



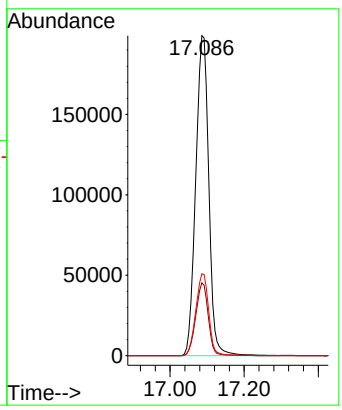


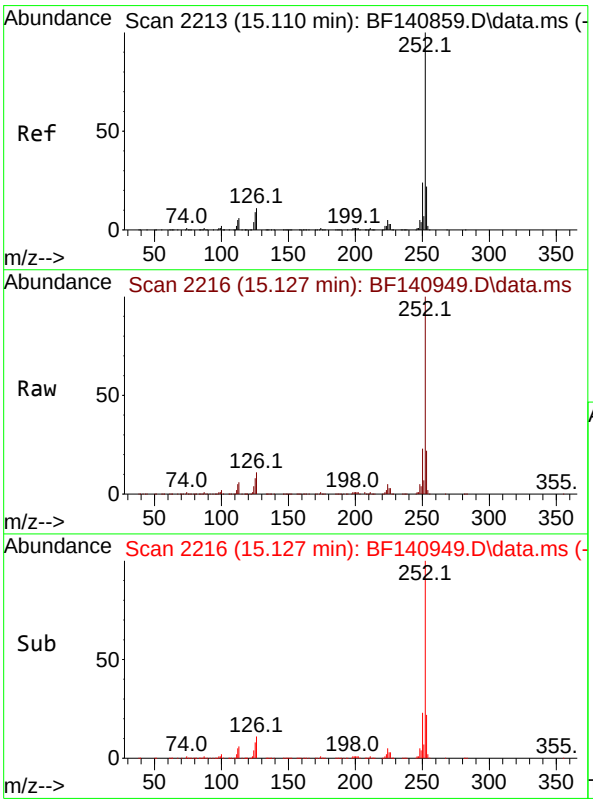

#87
Indeno(1,2,3-cd)pyrene
Concen: 68.540 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:276 Resp: 486592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 16.9 | 25.3 |
| 277 | 25.4 | 20.2 | 30.4 |

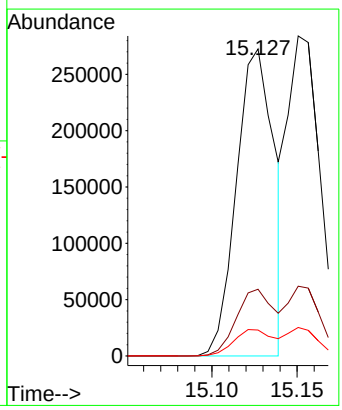


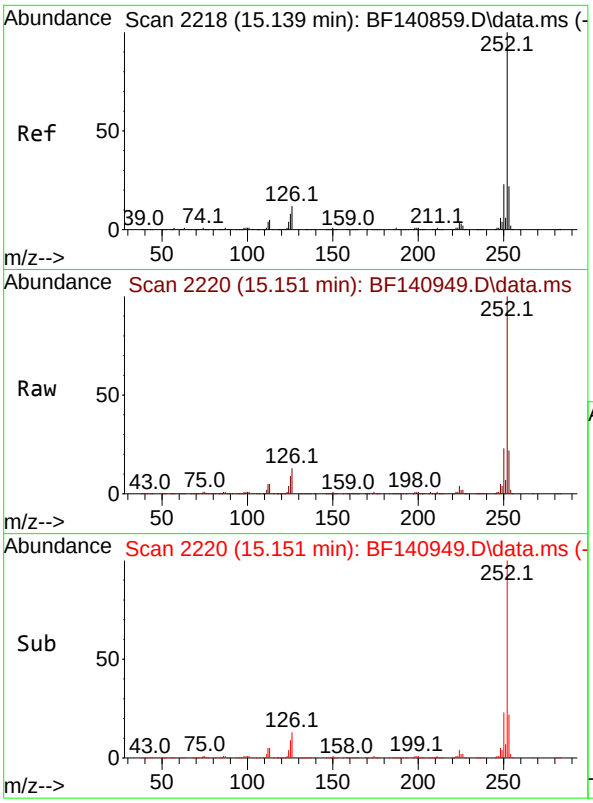




#88
Benzo(b)fluoranthene
Concen: 53.241 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.017 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 420442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 8.4 | 7.0 | 10.4 |



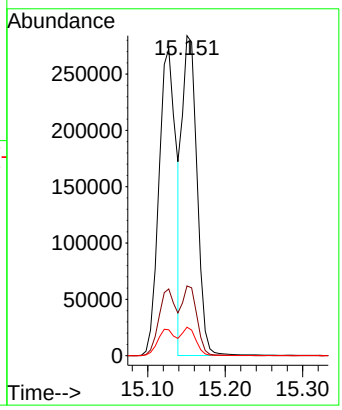


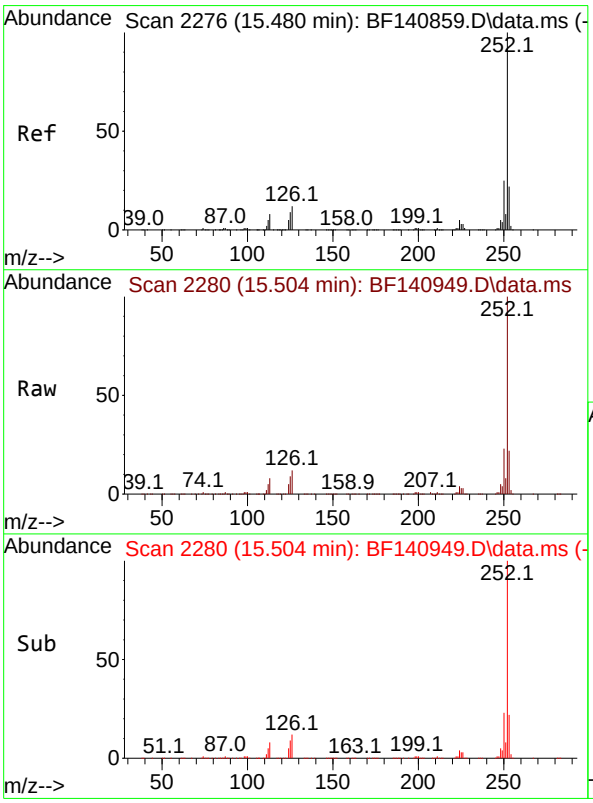

#89
Benzo(k)fluoranthene
Concen: 55.882 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:252 Resp: 378547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 8.9 | 6.8 | 10.2 |

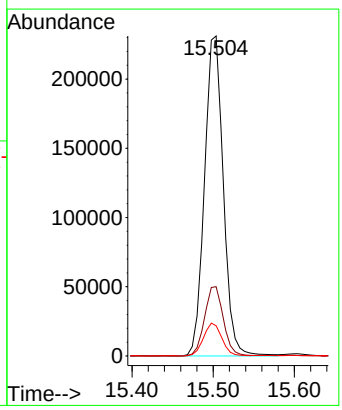


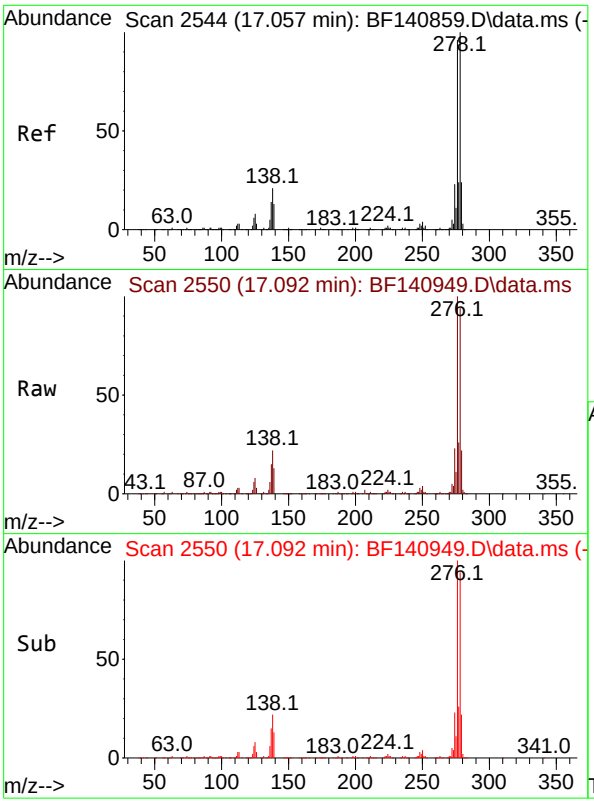




#90
Benzo(a)pyrene
Concen: 60.174 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.023 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:252 Resp: 372093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 9.5 | 7.5 | 11.3 |



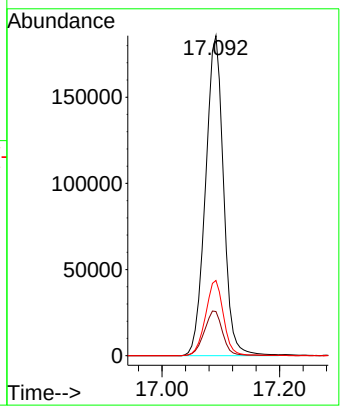


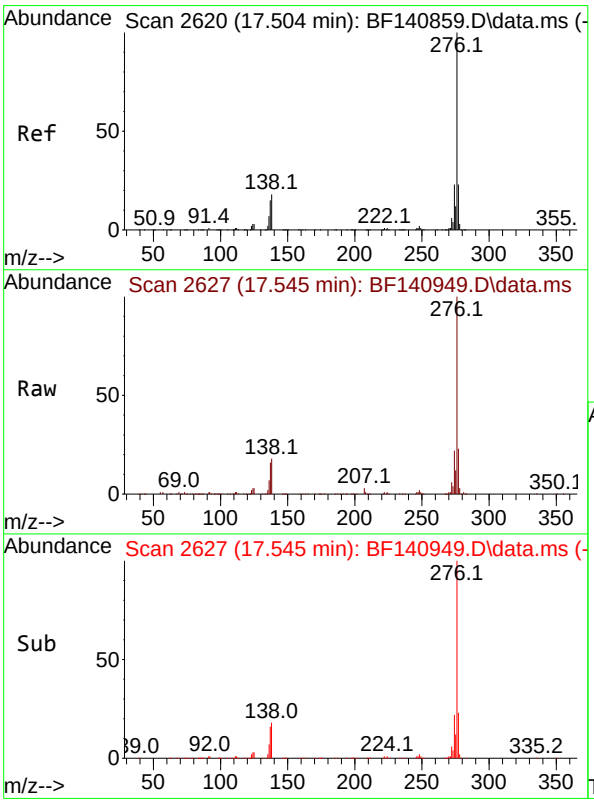

#91
Dibenzo(a,h)anthracene
Concen: 67.298 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

**Instrument :**
BNA_F
**ClientSampleId :**
OU4-VSL-11-121224MSD

Tgt Ion:278 Resp: 395812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.5 | 19.2 | 28.8 |

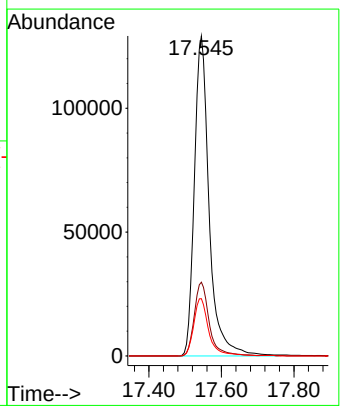



#92
Benzo(g,h,i)perylene
Concen: 61.149 ng
RT: 17.545 min Scan# 2627
Delta R.T. 0.041 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:276 Resp: 366040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.0 | 18.7 | 28.1 |
| 138 | 17.9 | 14.2 | 21.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 66227 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 248513 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.886 | 164 | 146137 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.375 | 188 | 291861 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 207326 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.516 | 264 | 184556 | 20.000 | ng | | -0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 318577 | 79.188 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 421997 | 79.195 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 386452 | 77.801 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.681 | 330 | 135717 | 78.522 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 811564 | 76.352 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1001326 | 76.158 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.605 | 88 | 65032 | 37.529 | ng | | 98 |
| 3) Pyridine | 3.387 | 79 | 154925 | 38.605 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.346 | 42 | 74446 | 36.798 | ng | | 95 |
| 6) Aniline | 6.522 | 93 | 175414 | 38.501 | ng | | 98 |
| 8) 2-Chlorophenol | 6.646 | 128 | 177168 | 40.383 | ng | | 99 |
| 9) Benzaldehyde | 6.410 | 77 | 118899 | 40.271 | ng | | 98 |
| 10) Phenol | 6.516 | 94 | 218889 | 39.635 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 157329 | 38.200 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 195796 | 39.166 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 199400 | 39.295 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 186168 | 38.884 | ng | | 99 |
| 15) Benzyl Alcohol | 7.004 | 79 | 149510 | 39.242 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 174534 | 35.973 | ng | | 80 |
| 17) 2-Methylphenol | 7.122 | 107 | 141105 | 40.286 | ng | | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 71272 | 37.728 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 121188 | 37.915 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 183332 | 39.472 | ng | # | 85 |
| 22) Acetophenone | 7.263 | 105 | 244338 | 39.304 | ng | | 96 |
| 24) Nitrobenzene | 7.440 | 77 | 198770 | 39.061 | ng | | 96 |
| 25) Isophorone | 7.675 | 82 | 313176 | 37.629 | ng | | 99 |
| 26) 2-Nitrophenol | 7.751 | 139 | 96414 | 41.138 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.793 | 122 | 109542 | 40.022 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 195305 | 37.572 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.004 | 162 | 150227 | 39.755 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 168994 | 39.012 | ng | | 99 |
| 31) Naphthalene | 8.151 | 128 | 539862 | 39.547 | ng | | 100 |
| 32) Benzoic acid | 7.957 | 122 | 105192 | 40.523 | ng | | 97 |
| 33) 4-Chloroaniline | 8.210 | 127 | 180741 | 39.864 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 112071 | 38.453 | ng | | 99 |
| 35) Caprolactam | 8.592 | 113 | 48736 | 43.322 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 171340 | 40.286 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.845 | 142 | 354629 | 39.272 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.940 | 142 | 353547 | 39.588 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 176578 | 39.312 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.987 | 237 | 26032 | 28.674 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.134 | 196 | 103055 | 37.469 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

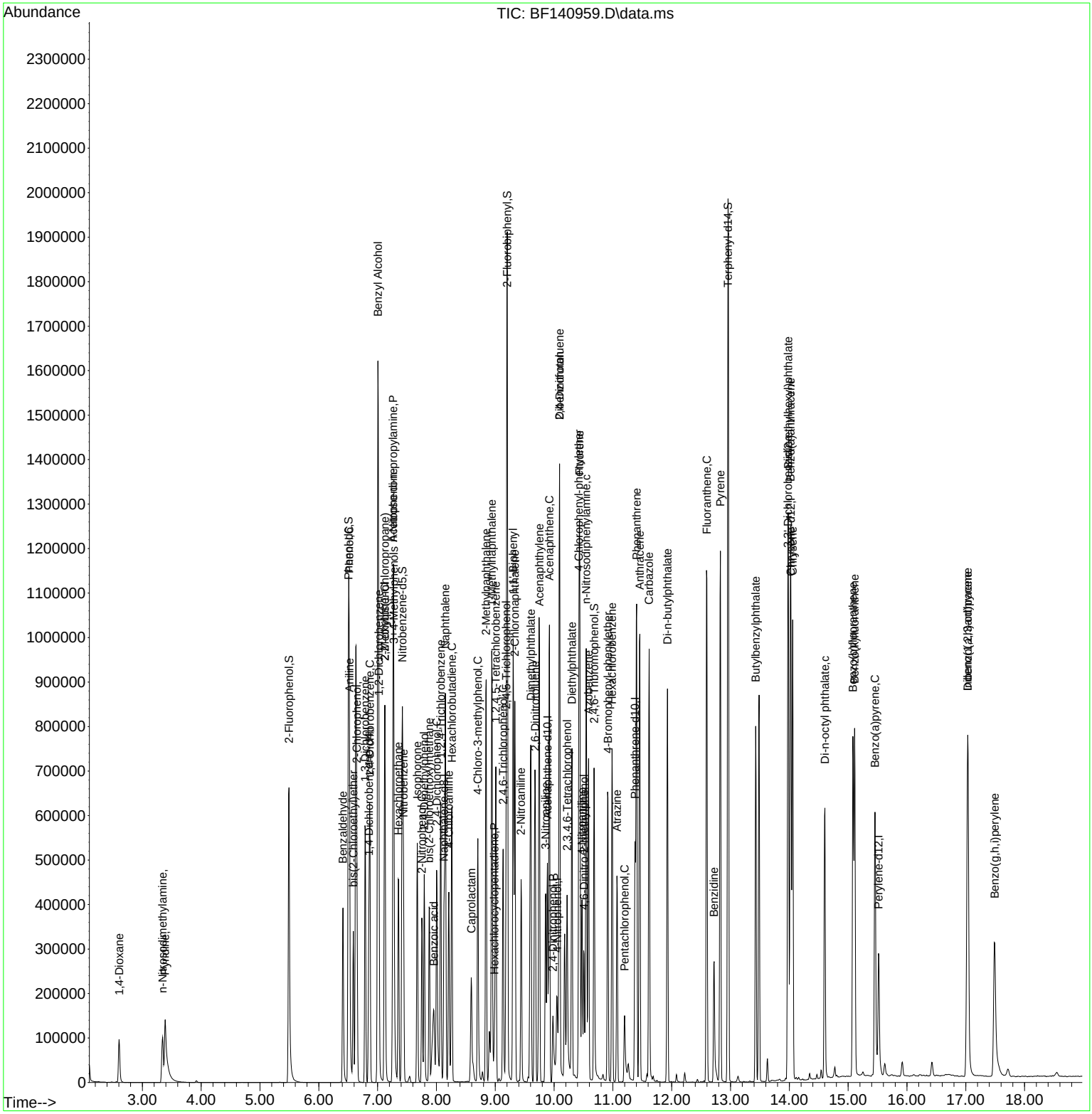
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 113791 | 37.641 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 451267 | 38.834 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 347940 | 39.139 | ng | 99 |
| 48) 2-Nitroaniline | 9.439 | 65 | 105740 | 39.384 | ng | 95 |
| 49) Acenaphthylene | 9.751 | 152 | 522615 | 40.003 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 394835 | 38.322 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.681 | 165 | 93666 | 39.767 | ng | 94 |
| 52) Acenaphthene | 9.922 | 154 | 331006 | 39.664 | ng | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 96968 | 41.485 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.981 | 184 | 46064 | 43.346 | ng | 95 |
| 55) Dibenzofuran | 10.092 | 168 | 499757 | 38.647 | ng | 100 |
| 56) 4-Nitrophenol | 10.051 | 139 | 44580 | 37.930 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 125320 | 40.439 | ng | 98 |
| 58) Fluorene | 10.434 | 166 | 416576 | 39.048 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232 | 92785 | 37.667 | ng | 94 |
| 60) Diethylphthalate | 10.304 | 149 | 395324 | 37.002 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 203526 | 37.979 | ng | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 94041 | 38.500 | ng | 97 |
| 63) Azobenzene | 10.586 | 77 | 368436 | 36.682 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 67642 | 40.900 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 353375 | 39.380 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 124736 | 38.203 | ng | 96 |
| 68) Hexachlorobenzene | 10.986 | 284 | 143941 | 38.882 | ng | 99 |
| 69) Atrazine | 11.069 | 200 | 84689 | 33.792 | ng | 100 |
| 70) Pentachlorophenol | 11.198 | 266 | 43771 | 32.340 | ng | 99 |
| 71) Phenanthrene | 11.404 | 178 | 595675 | 39.689 | ng | 100 |
| 72) Anthracene | 11.457 | 178 | 580319 | 39.262 | ng | 100 |
| 73) Carbazole | 11.616 | 167 | 585180 | 40.420 | ng | 100 |
| 74) Di-n-butylphthalate | 11.928 | 149 | 646754 | 38.065 | ng | 99 |
| 75) Fluoranthene | 12.598 | 202 | 711196 | 41.145 | ng | 99 |
| 77) Benzidine | 12.722 | 184 | 184675 | 43.643 | ng | 99 |
| 78) Pyrene | 12.827 | 202 | 715402 | 38.803 | ng | 100 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 266719 | 39.317 | ng | 98 |
| 81) Benzo(a)anthracene | 14.022 | 228 | 582184 | 39.621 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 179769 | 40.550 | ng | 98 |
| 83) Chrysene | 14.057 | 228 | 508731 | 38.074 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149 | 327711 | 37.465 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 439301 | 33.196 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.033 | 276 | 445783 | 38.707 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 504436 | 39.375 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.110 | 252 | 400757 | 36.468 | ng | 99 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 380341 | 37.915 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.033 | 278 | 367688 | 38.537 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.492 | 276 | 360772 | 37.152 | ng | 100 |

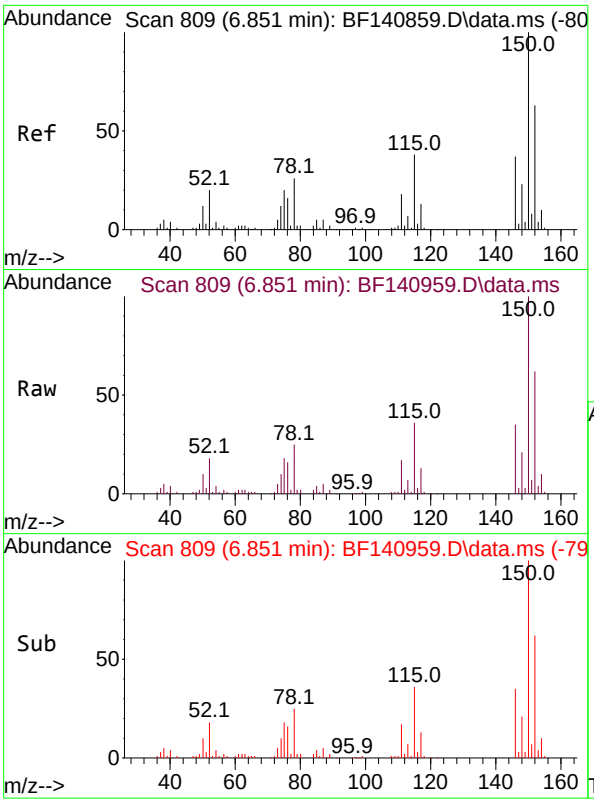
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140959.D
Acq On : 20 Dec 2024 19:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Dec 20 22:00:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



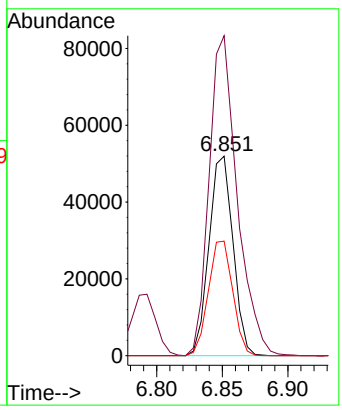


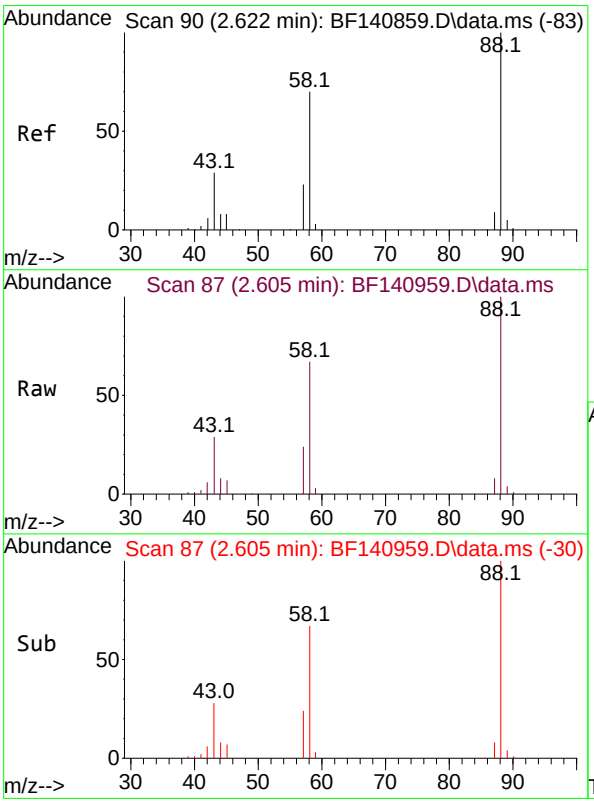

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 66227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 127.9 | 191.9 |
| 115 | 57.4 | 48.0 | 72.0 |

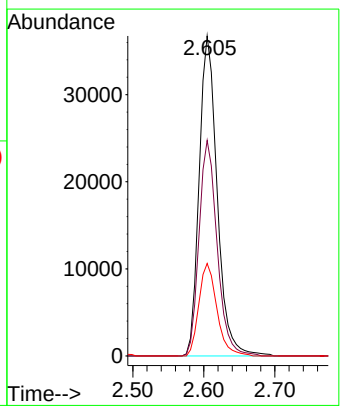


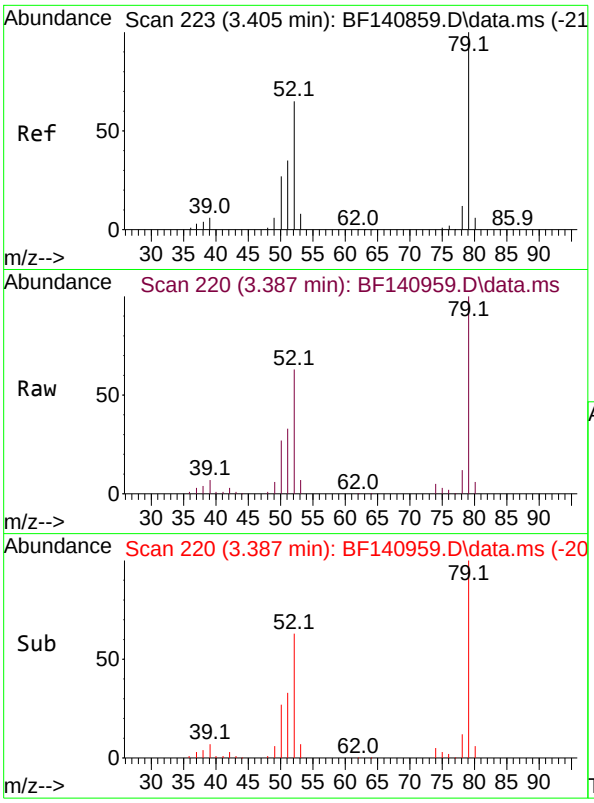




#2
1,4-Dioxane
Concen: 37.529 ng
RT: 2.605 min Scan# 87
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 88 Resp: 65032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.6 | 55.8 | 83.8 |
| 43 | 28.9 | 22.7 | 34.1 |



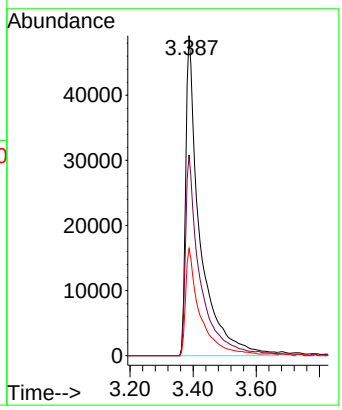


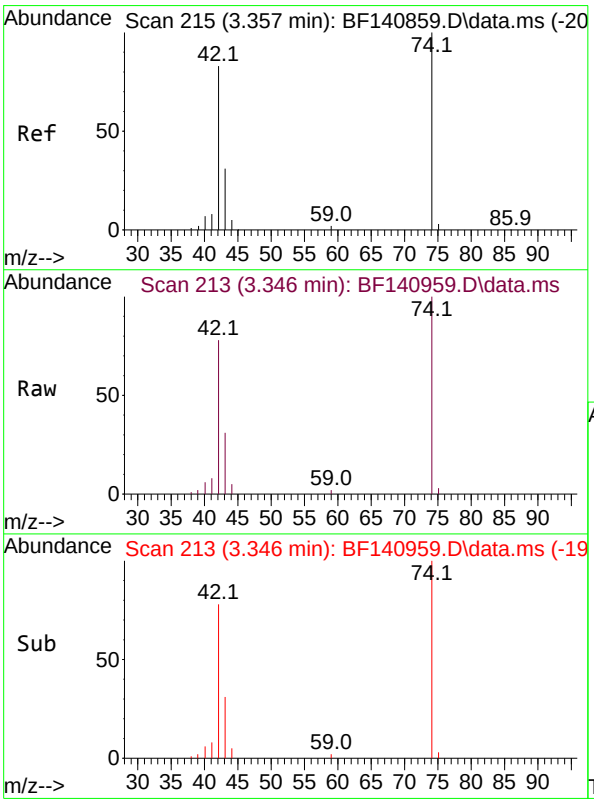

#3
Pyridine
Concen: 38.605 ng
RT: 3.387 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 154925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.7 | 51.7 | 77.5 |
| 51 | 33.5 | 28.2 | 42.4 |

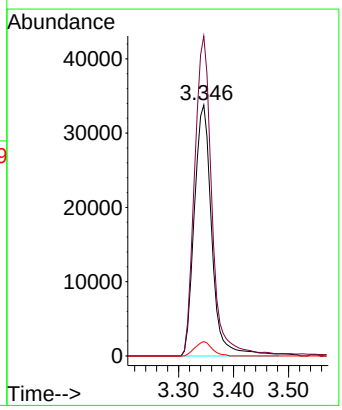


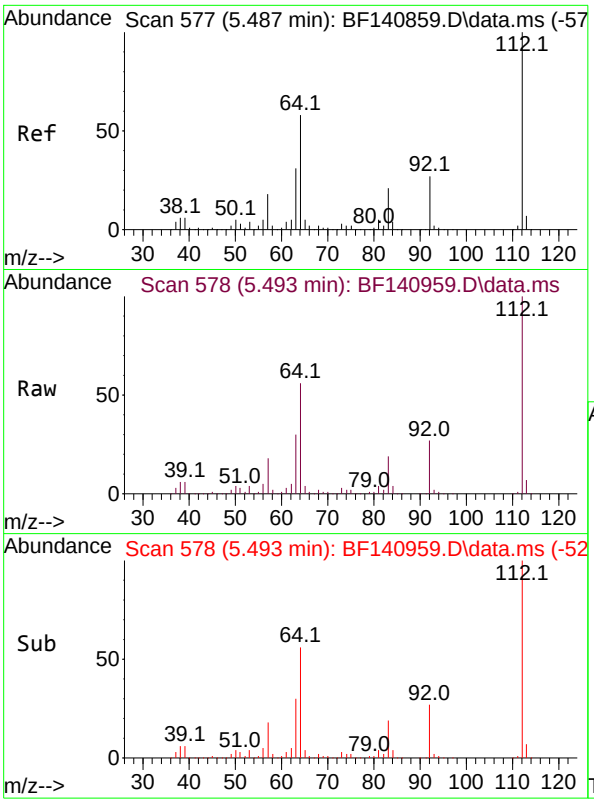




#4
n-Nitrosodimethylamine
Concen: 36.798 ng
RT: 3.346 min Scan# 213
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 42 Resp: 74446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.5 | 96.9 | 145.3 |
| 44 | 5.8 | 4.4 | 6.6 |



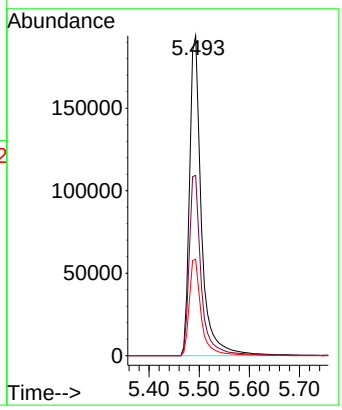


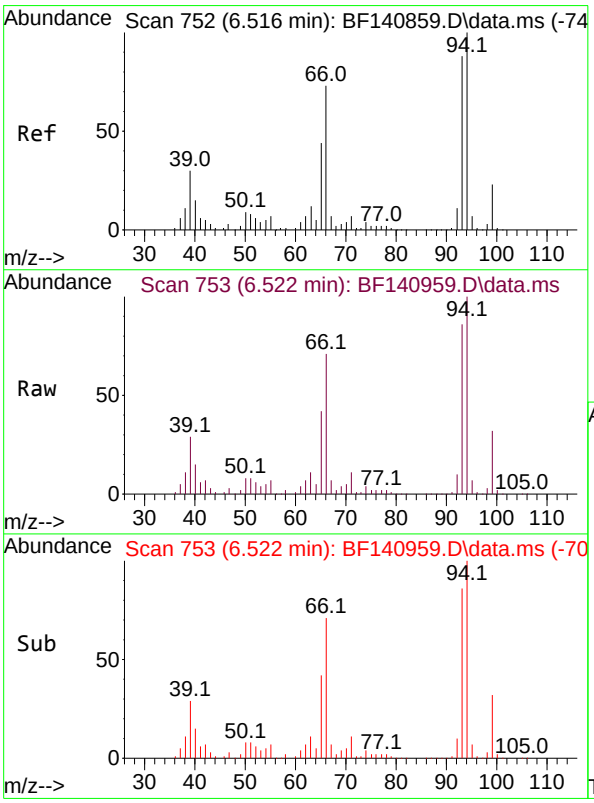

#5
2-Fluorophenol
Concen: 79.188 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 318577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 46.1 | 69.1 |
| 63 | 30.2 | 24.9 | 37.3 |

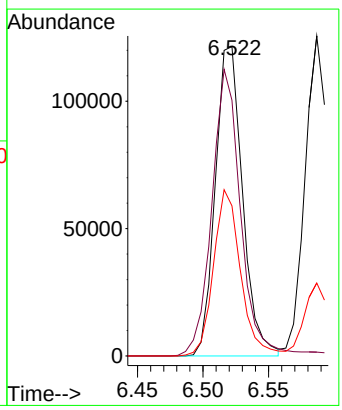


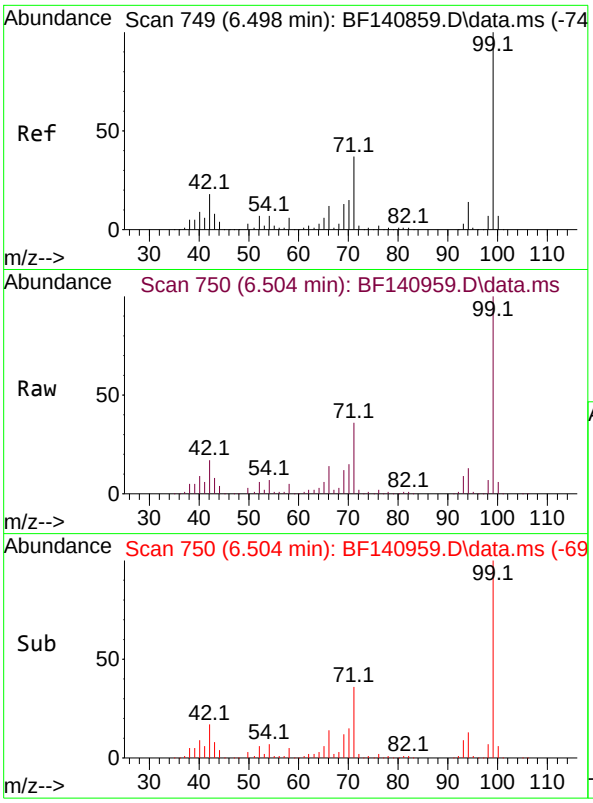




#6
Aniline
Concen: 38.501 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 93 Resp: 175414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 82.6 | 67.0 | 100.4 |
| 65 | 48.5 | 40.4 | 60.6 |



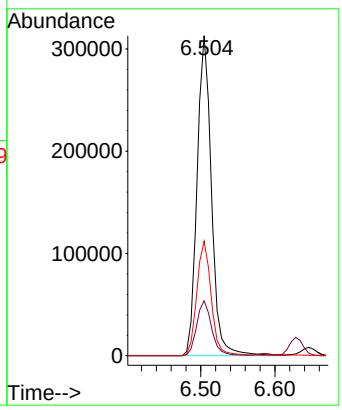


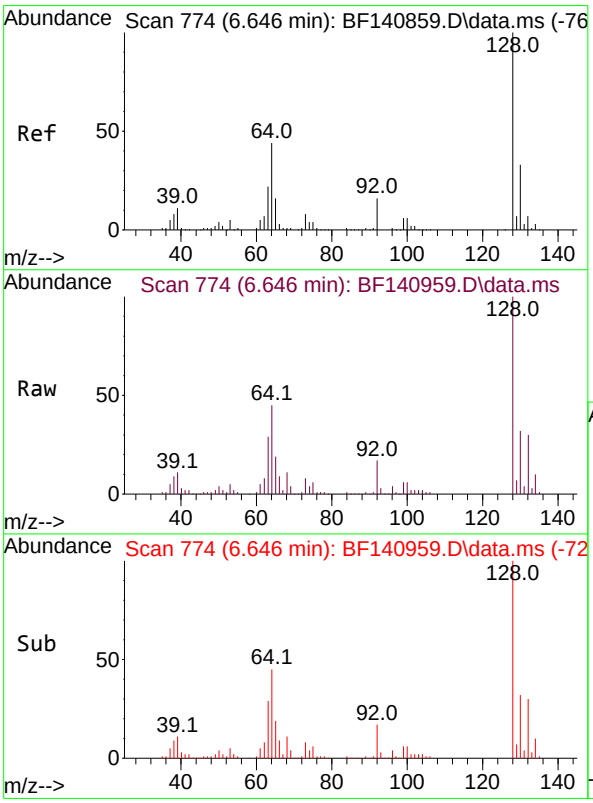

#7
Phenol-d6
Concen: 79.195 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 421997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 14.3 | 21.5 |
| 71 | 35.8 | 29.9 | 44.9 |

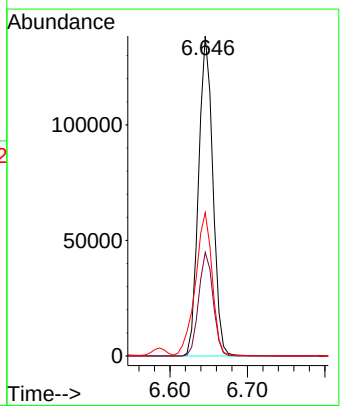


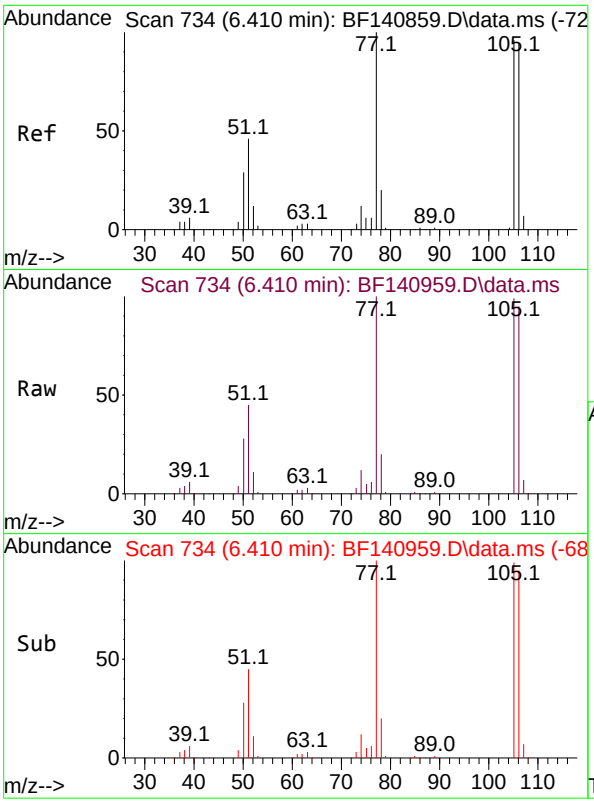




#8
2-Chlorophenol
Concen: 40.383 ng
RT: 6.646 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:128 Resp: 177168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.9 | 52.9 |
| 64 | 44.8 | 24.3 | 64.3 |



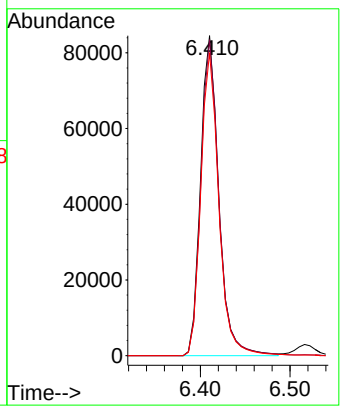


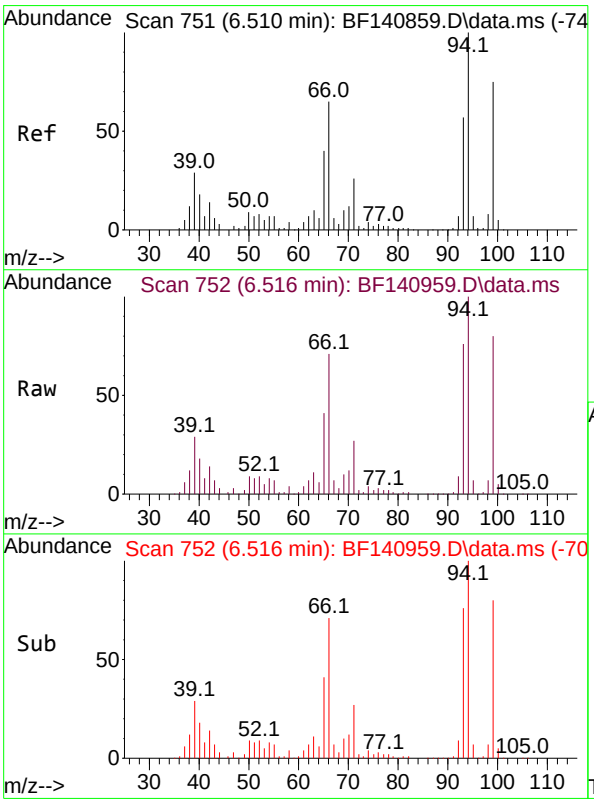

#9
Benzaldehyde
Concen: 40.271 ng
RT: 6.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 118899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.8 | 75.8 | 115.8 |
| 106 | 94.7 | 74.1 | 114.1 |

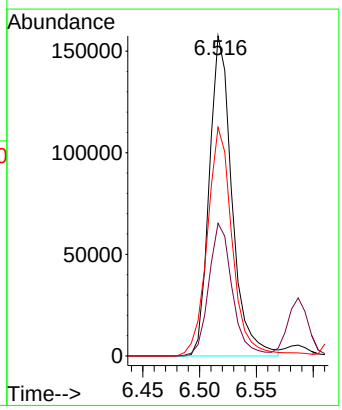


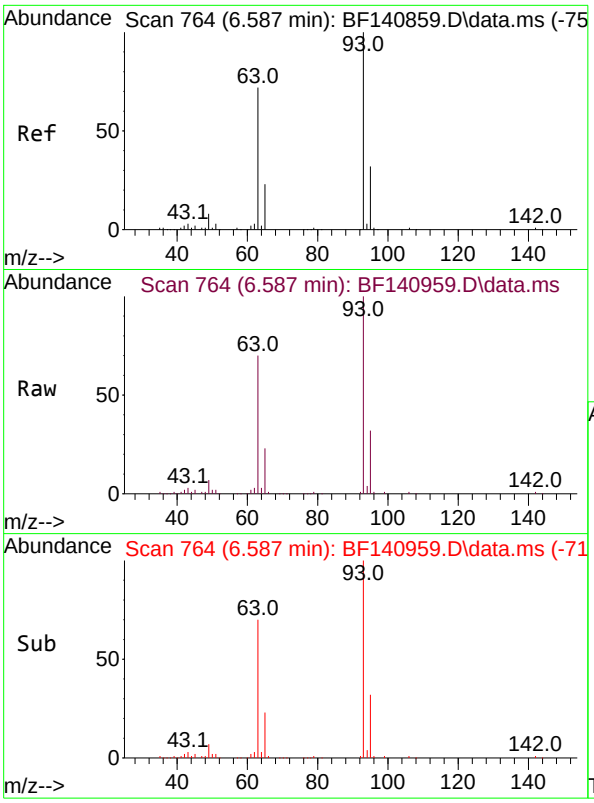




#10
Phenol
Concen: 39.635 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 94 Resp: 218889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.5 | 19.9 | 59.9 |
| 66 | 71.4 | 45.6 | 85.6 |



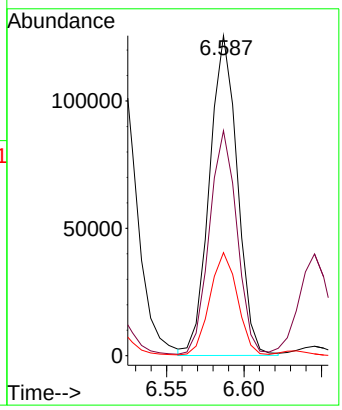


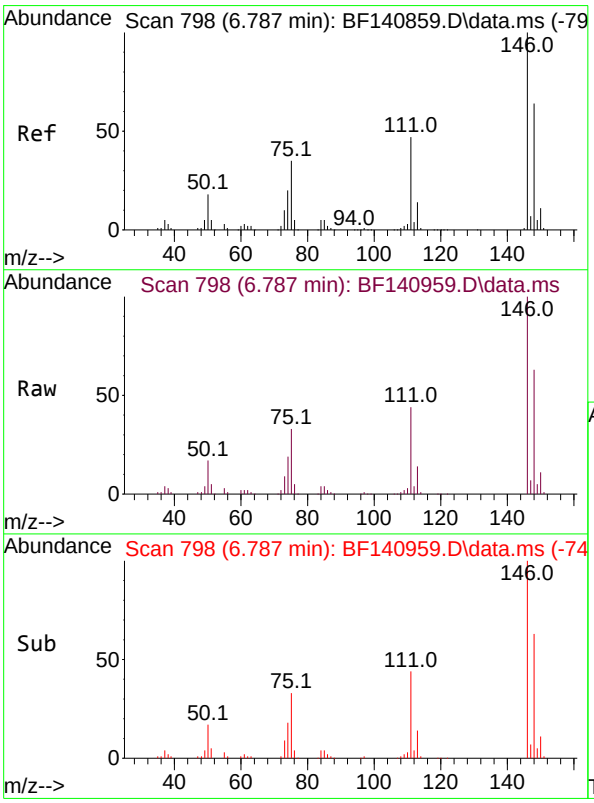

#11
bis(2-Chloroethyl)ether
Concen: 38.200 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 157329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.3 | 51.0 | 91.0 |
| 95 | 32.2 | 12.0 | 52.0 |

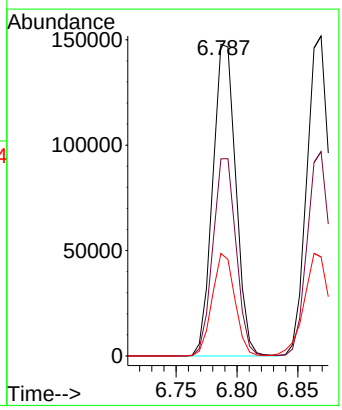


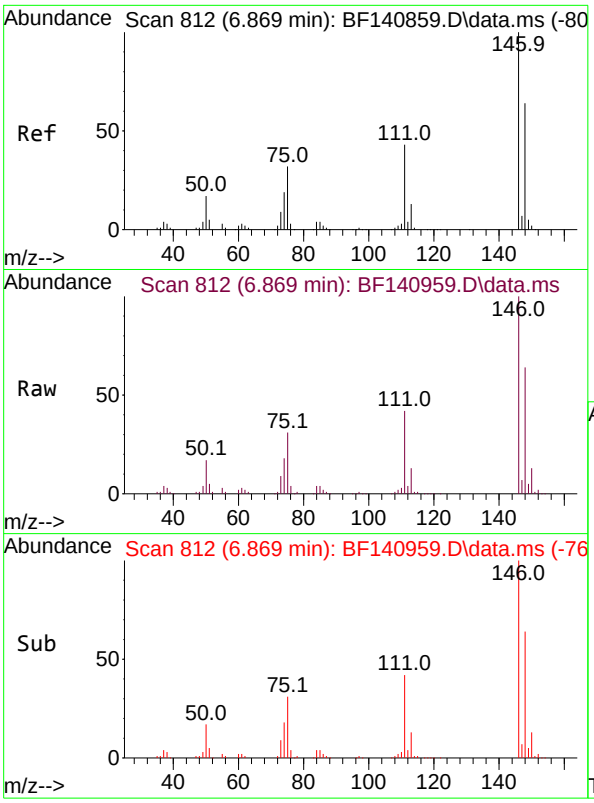




#12
1,3-Dichlorobenzene
Concen: 39.166 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:146 Resp: 195796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 75 | 32.9 | 28.1 | 42.1 |



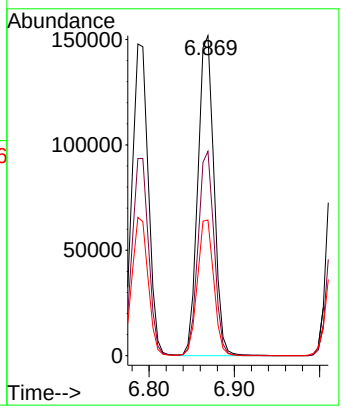


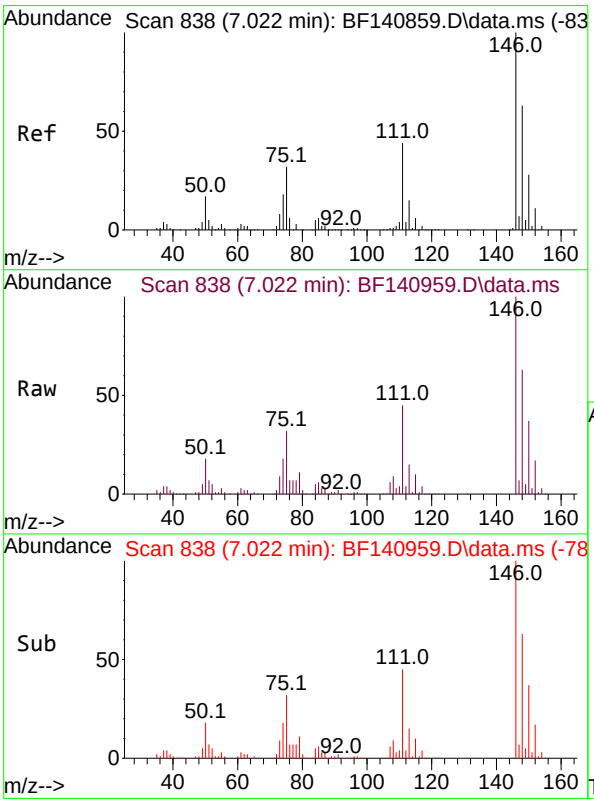

#13
1,4-Dichlorobenzene
Concen: 39.295 ng
RT: 6.869 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 199400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.3 | 76.9 |
| 111 | 42.4 | 34.4 | 51.6 |

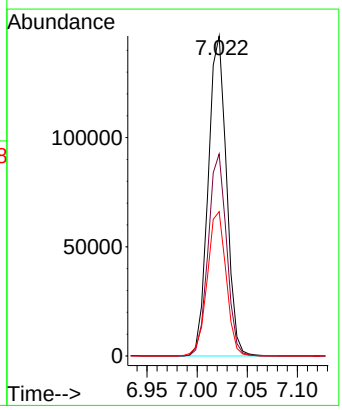


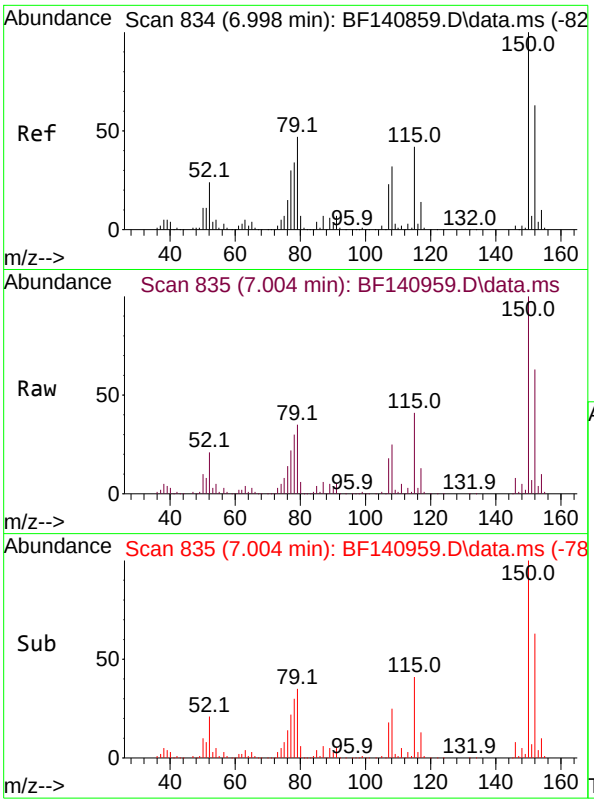




#14
1,2-Dichlorobenzene
Concen: 38.884 ng
RT: 7.022 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:146 Resp: 186168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.0 | 75.0 |
| 111 | 45.1 | 35.6 | 53.4 |



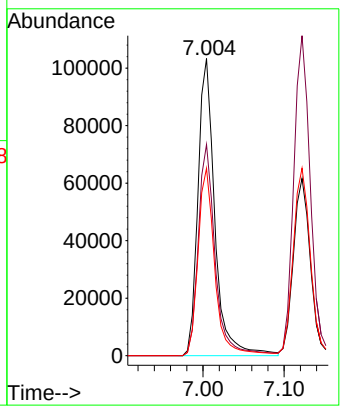


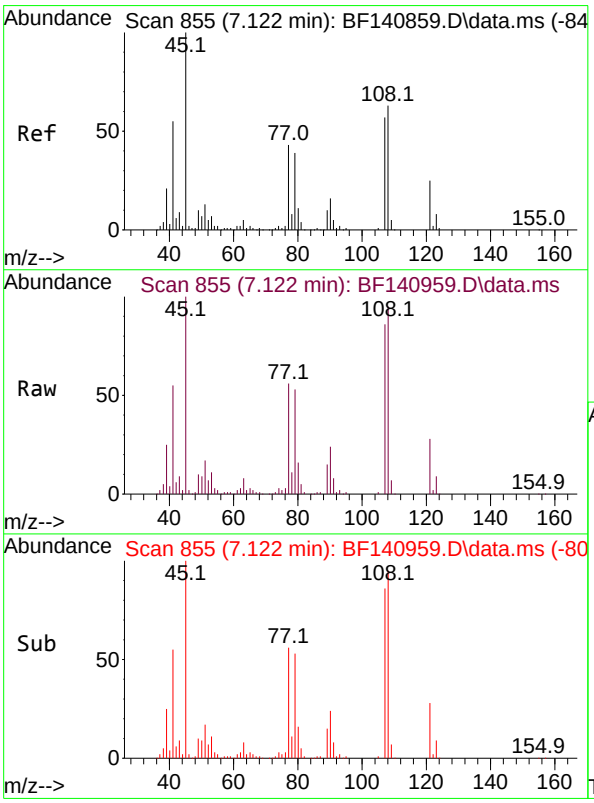

#15
Benzyl Alcohol
Concen: 39.242 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 149510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 71.1 | 55.1 | 82.7 |
| 77 | 63.1 | 50.6 | 76.0 |

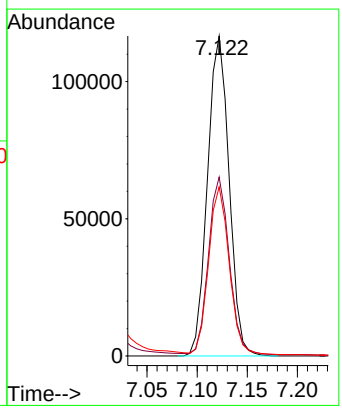


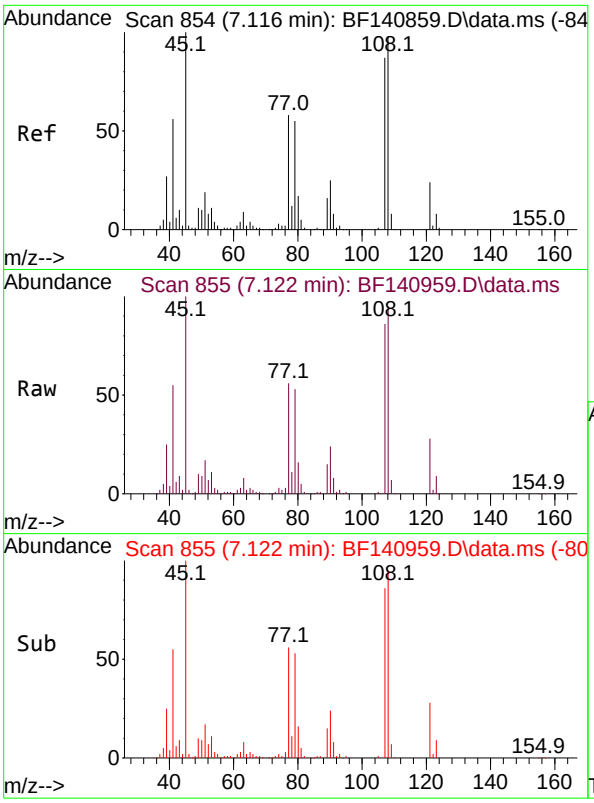




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.973 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 45 Resp: 174534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 55.9 | 23.3 | 63.3 |
| 79 | 52.9 | 20.0 | 60.0 |



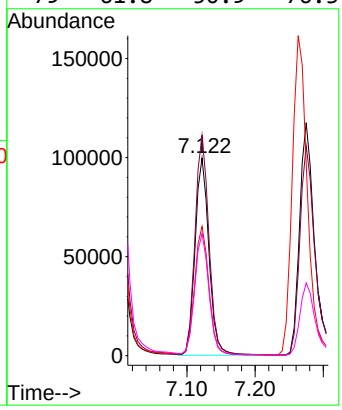


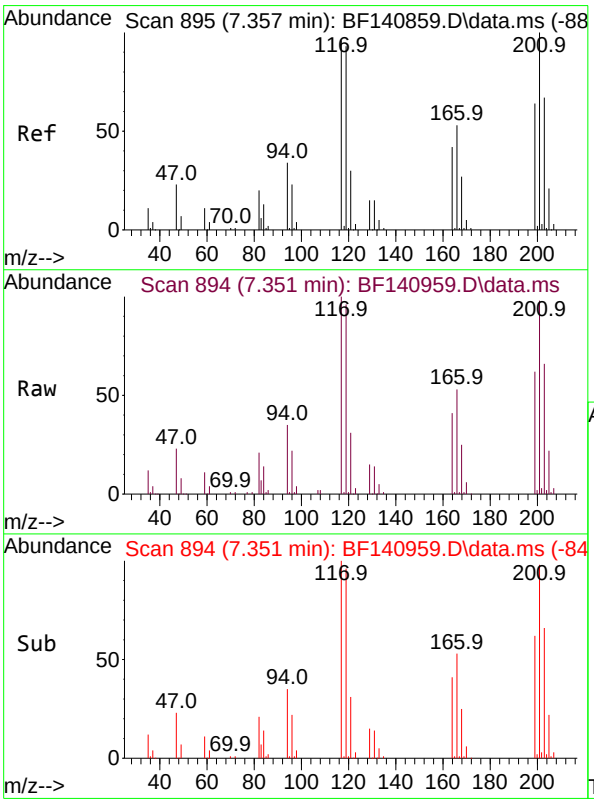

#17
2-Methylphenol
Concen: 40.286 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 141105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.6 | 90.2 | 135.4 |
| 77 | 65.4 | 53.8 | 80.6 |
| 79 | 61.8 | 50.9 | 76.3 |

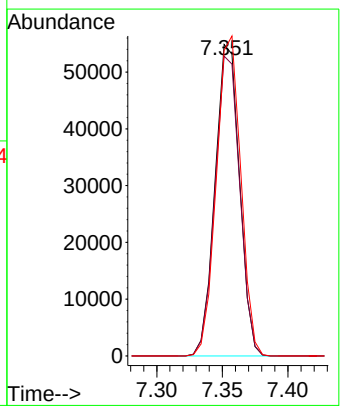


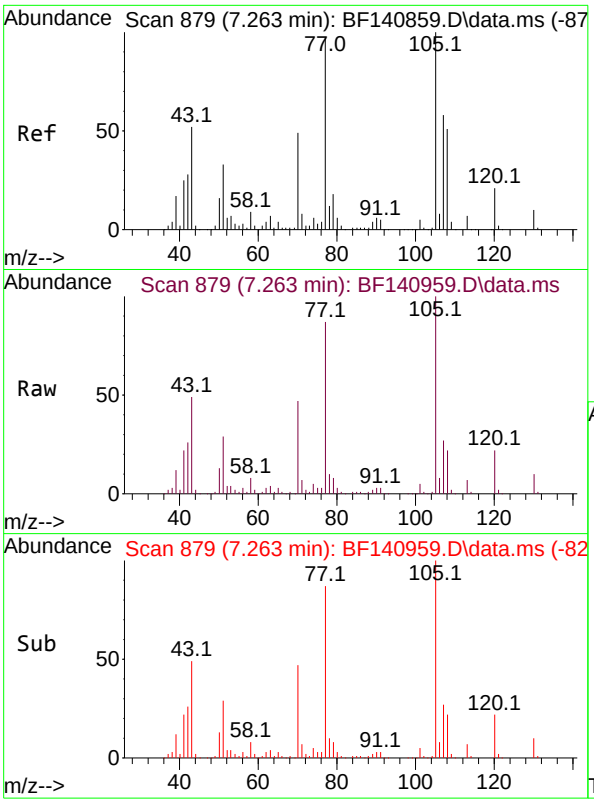




#18
Hexachloroethane
Concen: 37.728 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:117 Resp: 71272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 77.4 | 116.0 |
| 201 | 98.0 | 83.4 | 125.0 |



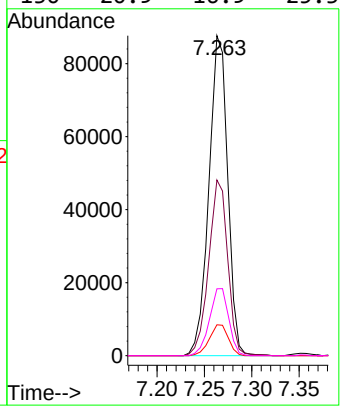


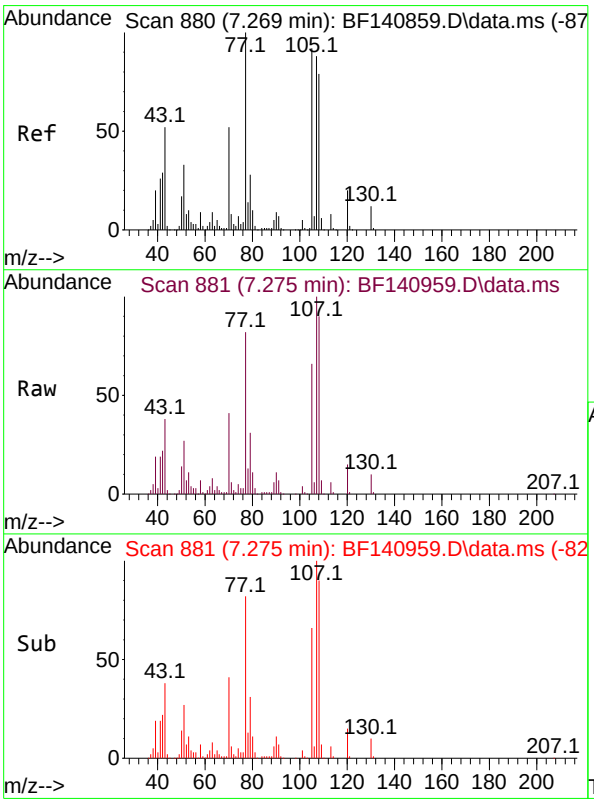

#19
n-Nitroso-di-n-propylamine
Concen: 37.915 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 121188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.9 | 45.3 | 67.9 |
| 101 | 9.7 | 8.0 | 12.0 |
| 130 | 20.9 | 16.9 | 25.3 |

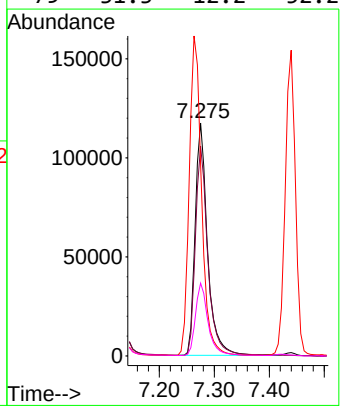


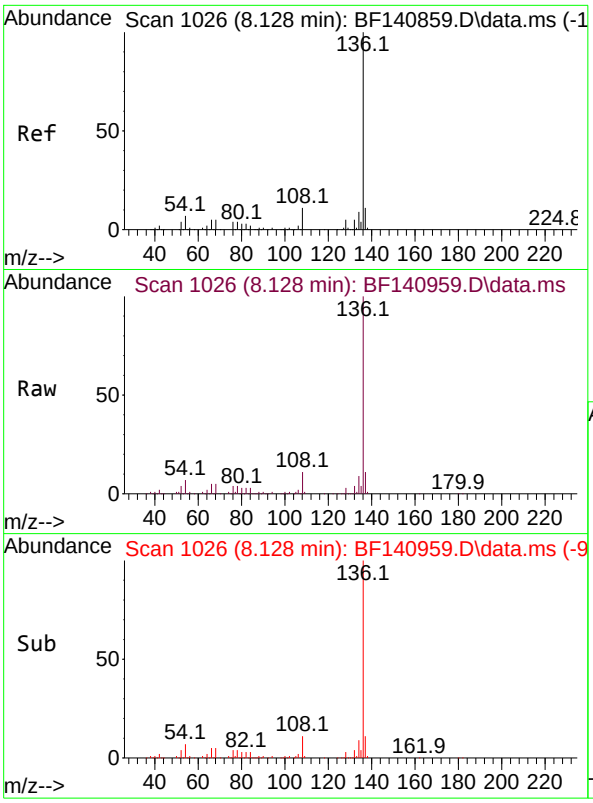




#20
3+4-Methylphenols
Concen: 39.472 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:107 Resp: 183332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 70.1 | 110.1 |
| 77 | 82.2 | 94.4 | 134.4# |
| 79 | 31.3 | 12.2 | 52.2 |



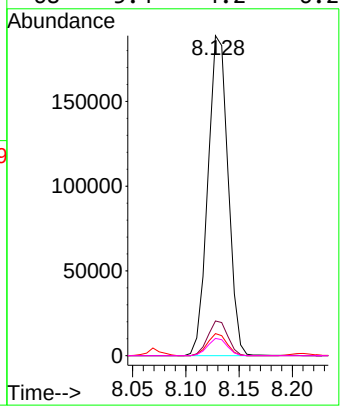


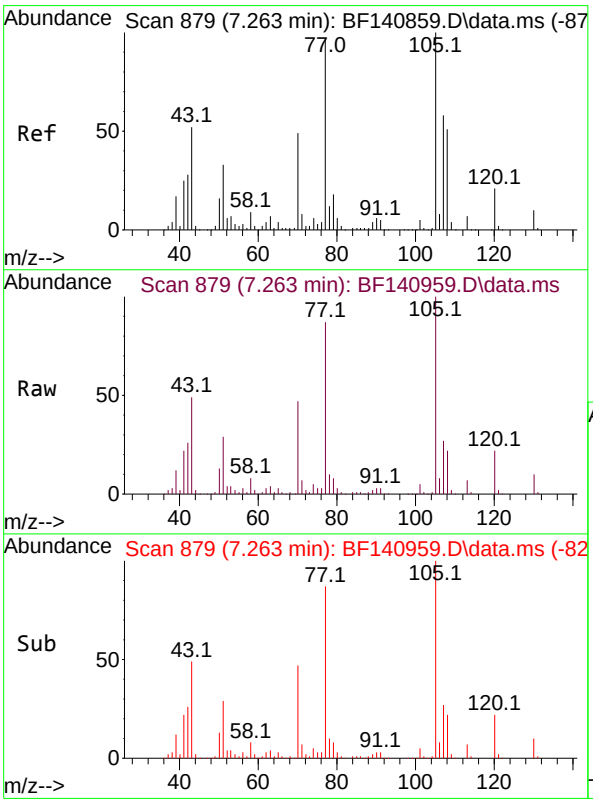

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 248513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.9 | 5.6 | 8.4 |
| 68 | 5.4 | 4.2 | 6.2 |

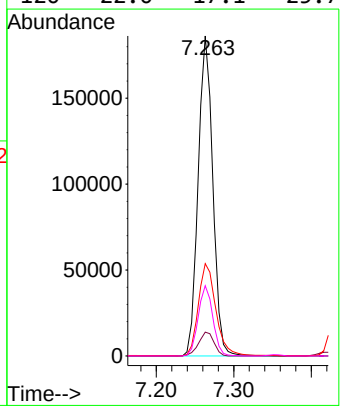


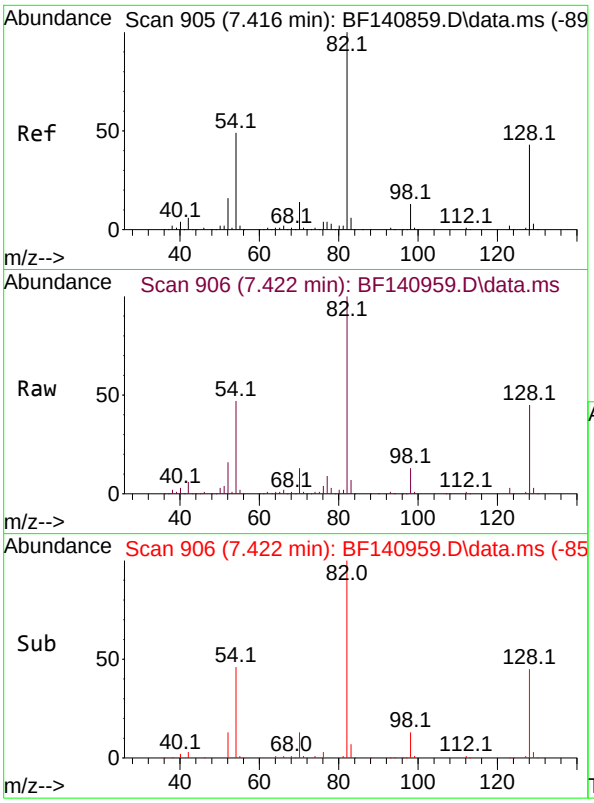




#22
Acetophenone
Concen: 39.304 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:105 Resp: 244338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 6.2 | 9.4 |
| 51 | 28.9 | 26.3 | 39.5 |
| 120 | 22.0 | 17.1 | 25.7 |



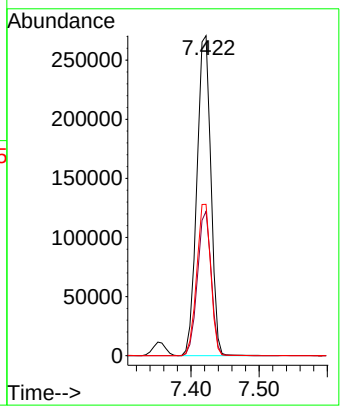


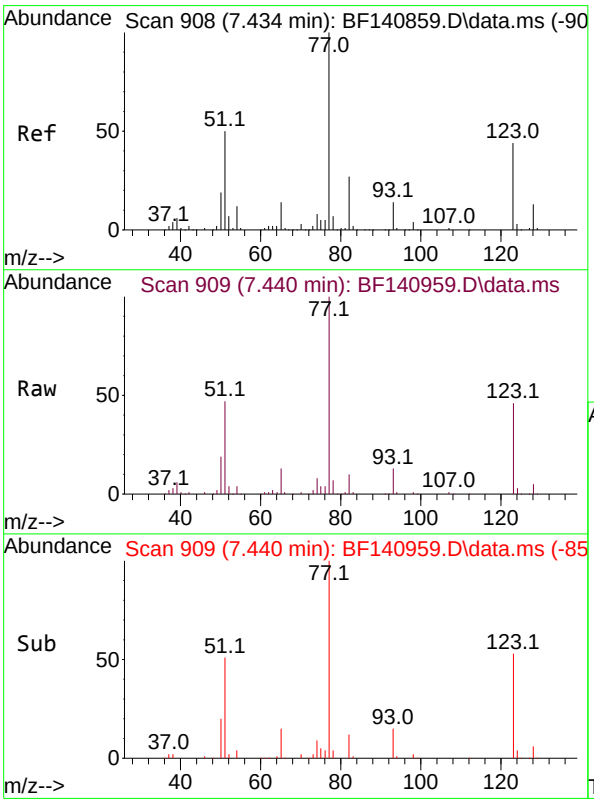

#23
Nitrobenzene-d5
Concen: 77.801 ng
RT: 7.422 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 386452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.1 | 34.4 | 51.6 |
| 54 | 47.3 | 38.8 | 58.2 |

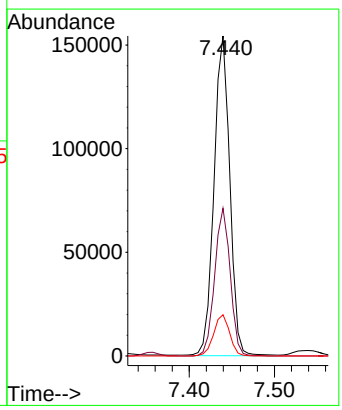


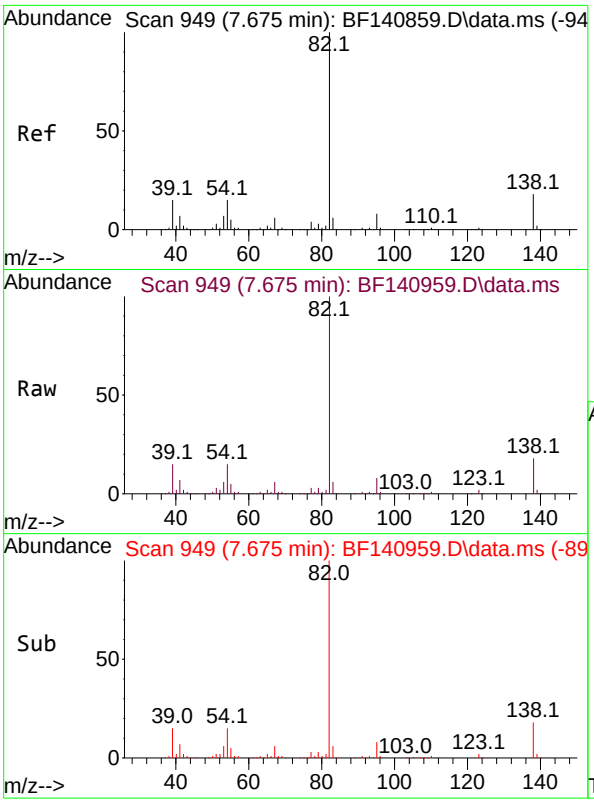




#24
Nitrobenzene
Concen: 39.061 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 77 Resp: 198770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.2 | 35.0 | 52.4 |
| 65 | 12.9 | 11.4 | 17.0 |



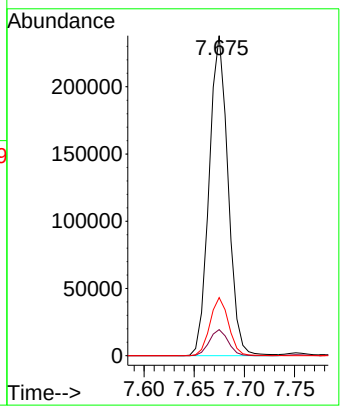


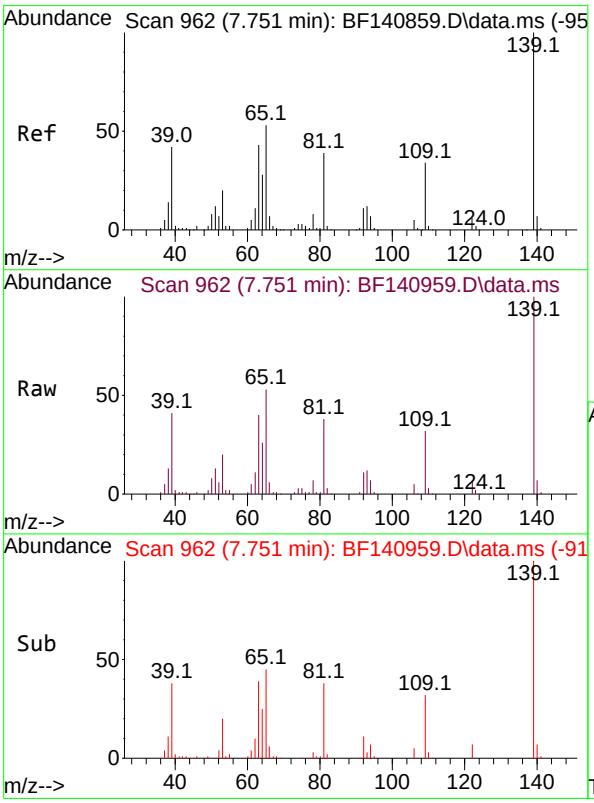

#25
Isophorone
Concen: 37.629 ng
RT: 7.675 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 313176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.3 | 9.5 |
| 138 | 18.2 | 14.1 | 21.1 |

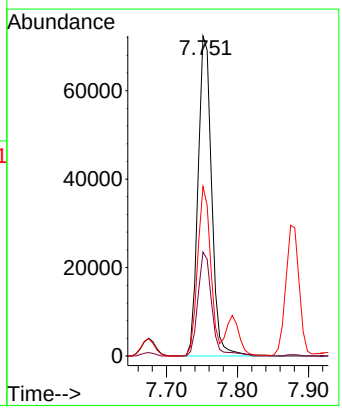


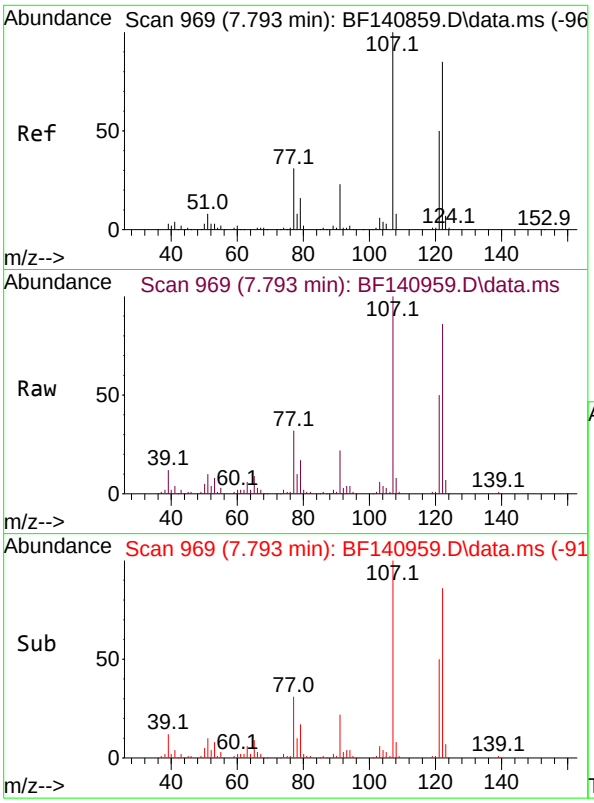




#26
2-Nitrophenol
Concen: 41.138 ng
RT: 7.751 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:139 Resp: 96414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 26.9 | 40.3 |
| 65 | 53.0 | 42.6 | 64.0 |



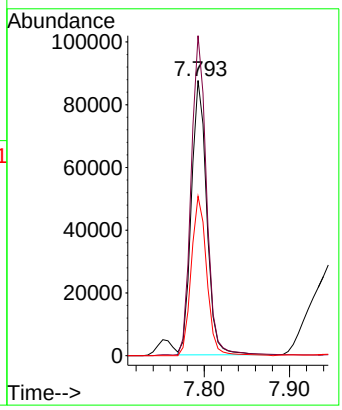


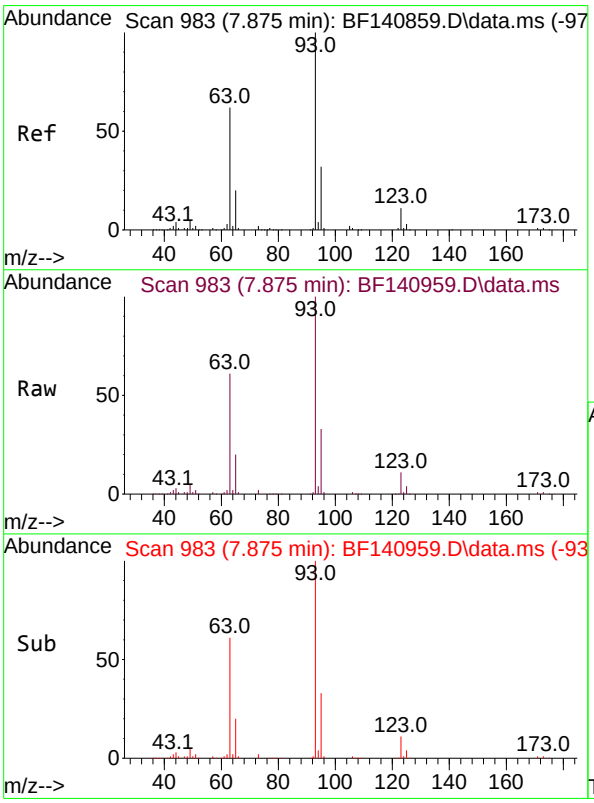

#27
2,4-Dimethylphenol
Concen: 40.022 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 109542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 92.6 | 139.0 |
| 121 | 57.9 | 45.8 | 68.8 |

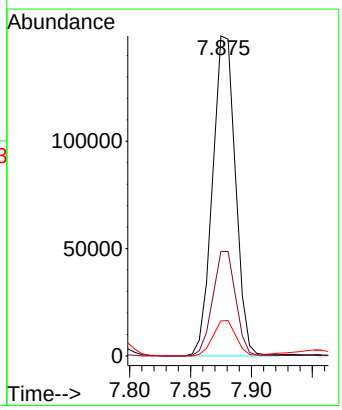


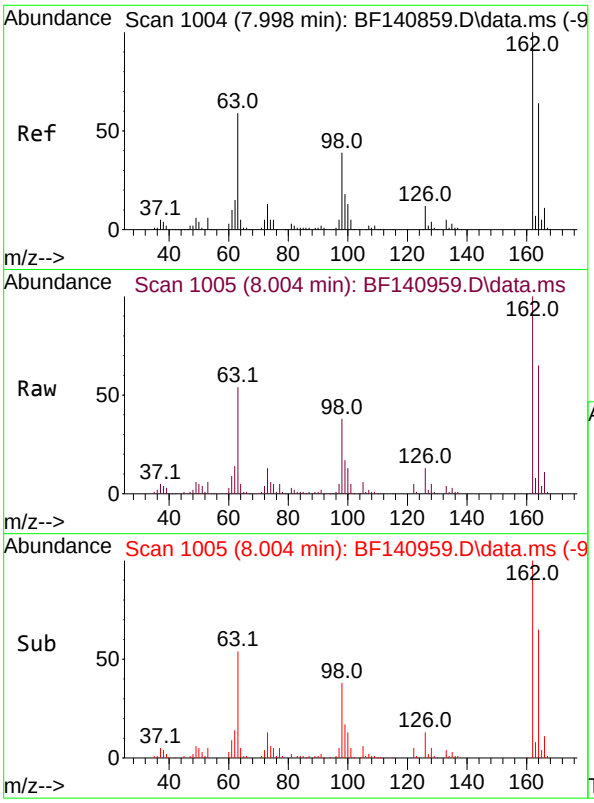




#28
bis(2-Chloroethoxy)methane
Concen: 37.572 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 93 Resp: 195305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.3 | 37.9 |
| 123 | 10.9 | 8.6 | 13.0 |



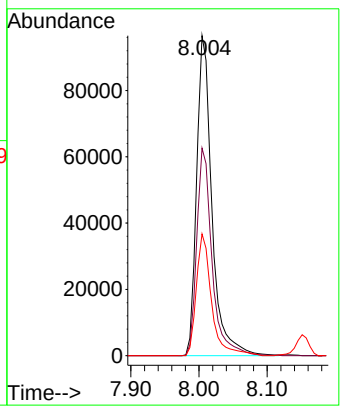


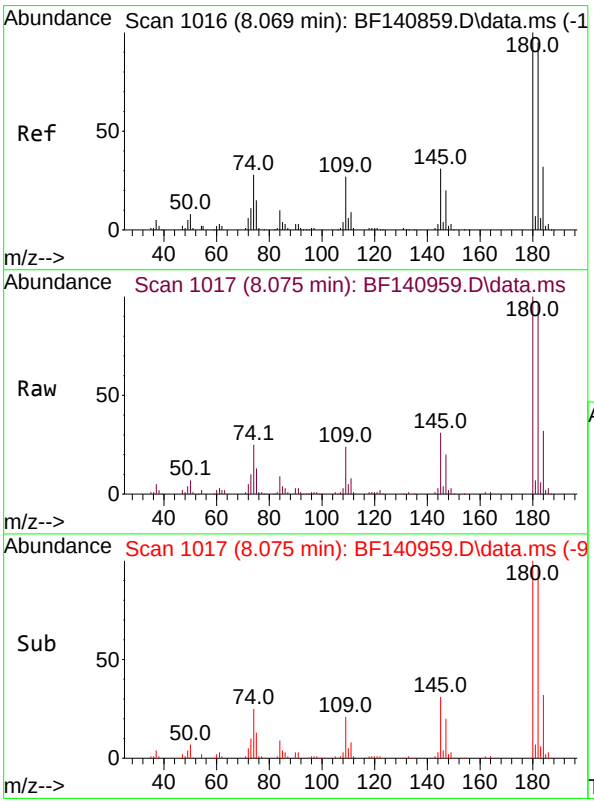

#29
2,4-Dichlorophenol
Concen: 39.755 ng
RT: 8.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 150227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 43.7 | 83.7 |
| 98 | 38.1 | 18.6 | 58.6 |

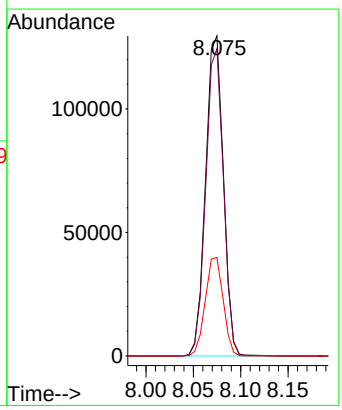


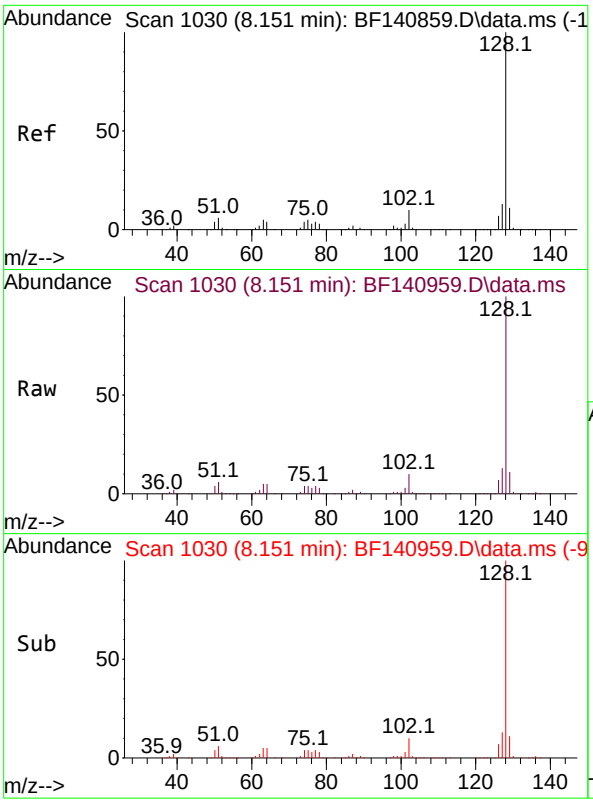




#30
1,2,4-Trichlorobenzene
Concen: 39.012 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:180 Resp: 168994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 75.8 | 113.6 |
| 145 | 30.8 | 25.2 | 37.8 |



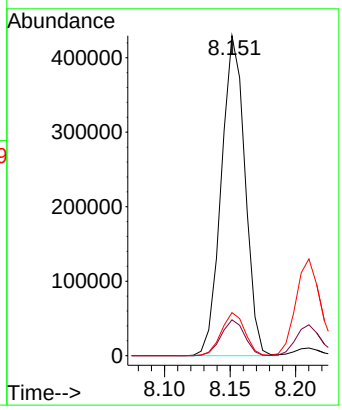


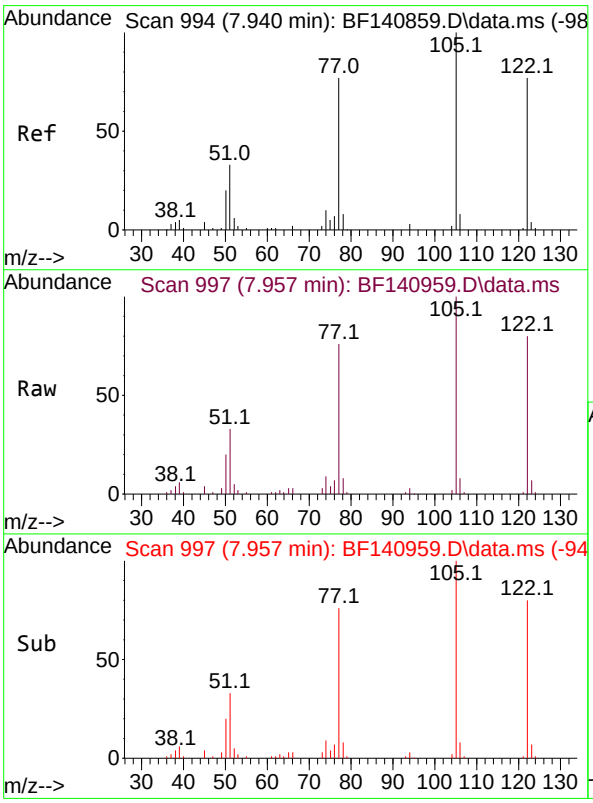

#31
Naphthalene
Concen: 39.547 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 539862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.9 | 13.3 |
| 127 | 13.4 | 10.6 | 16.0 |

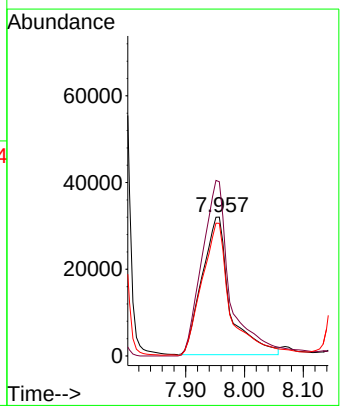


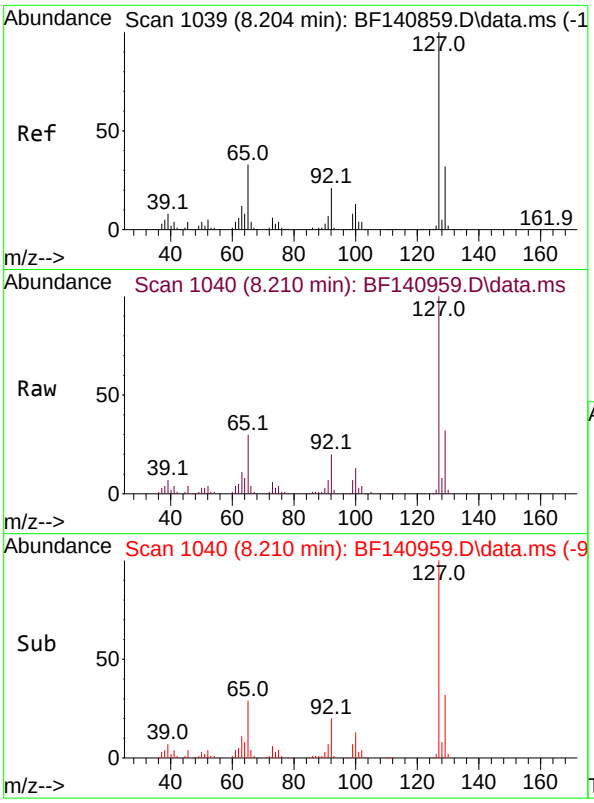




#32
Benzoic acid
Concen: 40.523 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.017 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:122 Resp: 105192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.4 | 108.3 | 148.3 |
| 77 | 95.4 | 78.8 | 118.8 |



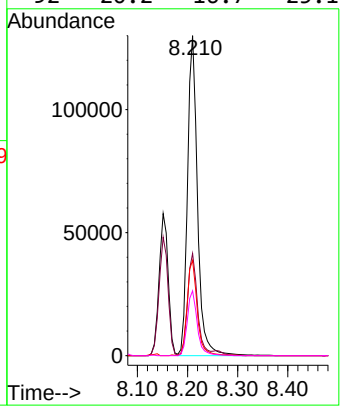


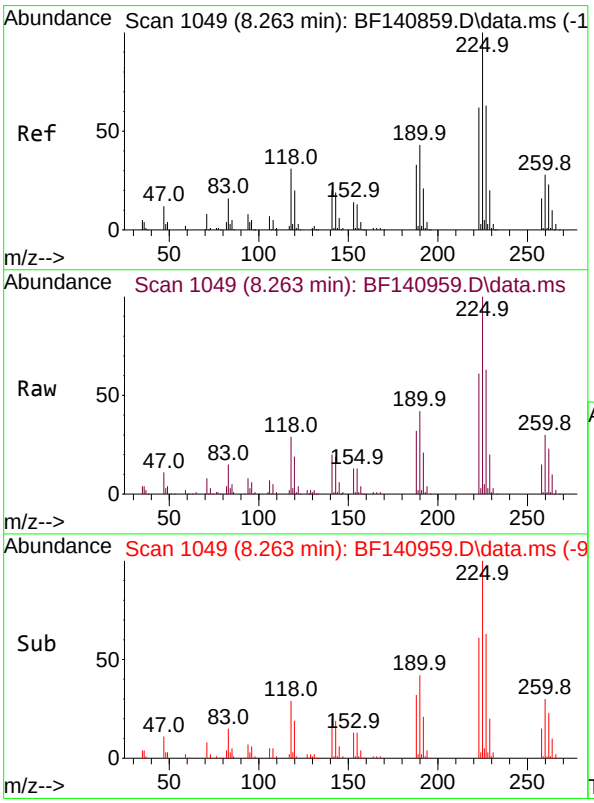

#33
4-Chloroaniline
Concen: 39.864 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 180741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.0 | 39.0 |
| 65 | 29.8 | 26.0 | 39.0 |
| 92 | 20.2 | 16.7 | 25.1 |

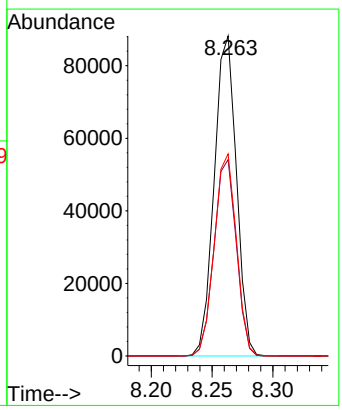


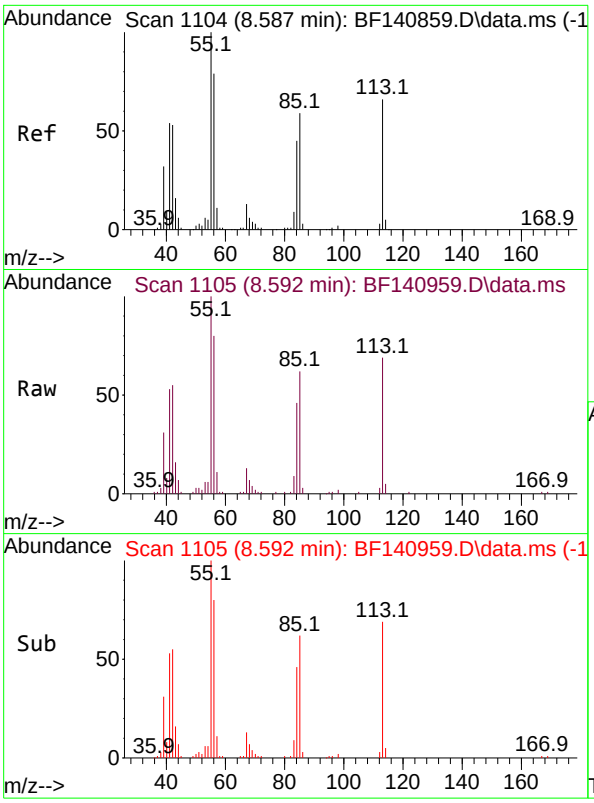




#34
Hexachlorobutadiene
Concen: 38.453 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:225 Resp: 112071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.3 | 49.6 | 74.4 |
| 227 | 63.2 | 50.7 | 76.1 |



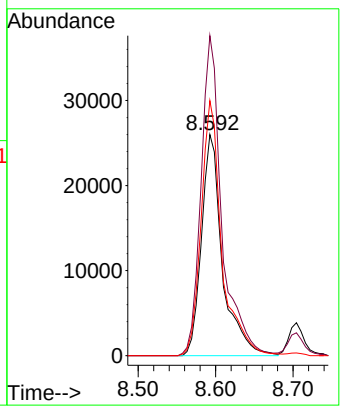


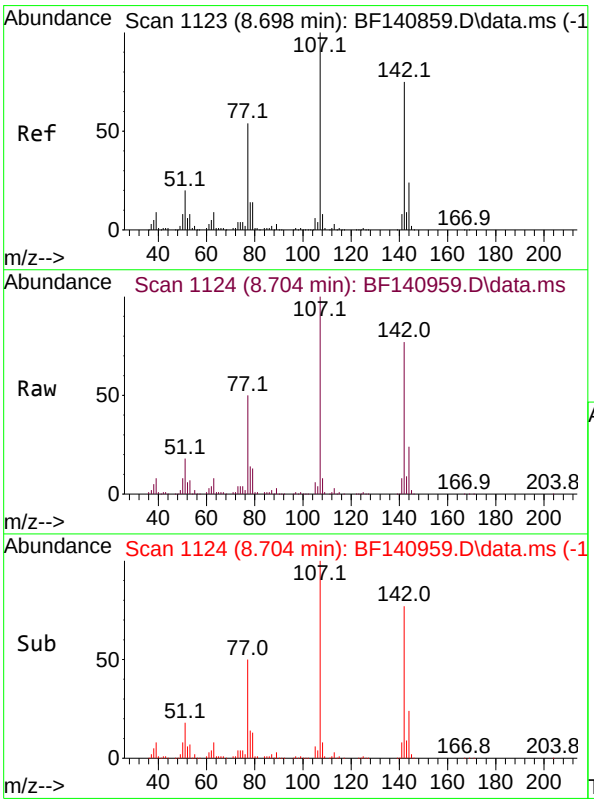

#35
Caprolactam
Concen: 43.322 ng
RT: 8.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 48736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 144.7 | 132.3 | 172.3 |
| 56 | 115.3 | 100.3 | 140.3 |

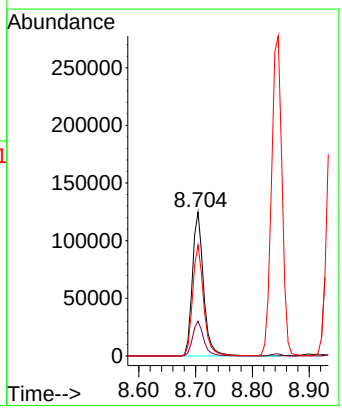


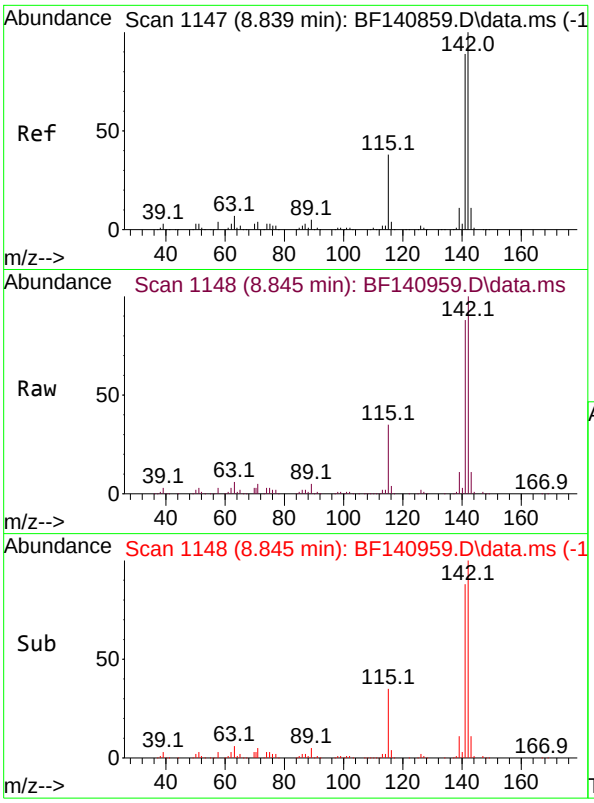




#36
4-Chloro-3-methylphenol
Concen: 40.286 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:107 Resp: 171340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 19.4 | 29.2 |
| 142 | 77.1 | 60.3 | 90.5 |



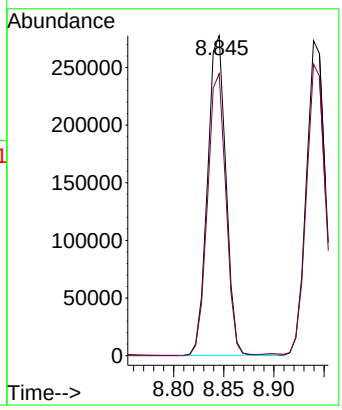


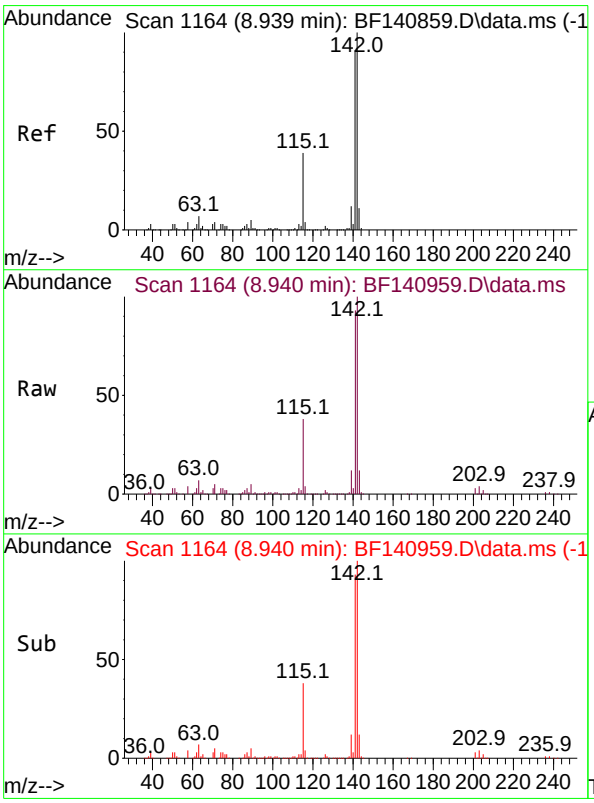

#37
2-Methylnaphthalene
Concen: 39.272 ng
RT: 8.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 354629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 71.0 | 106.6 |

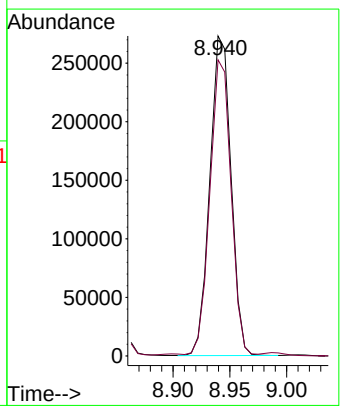


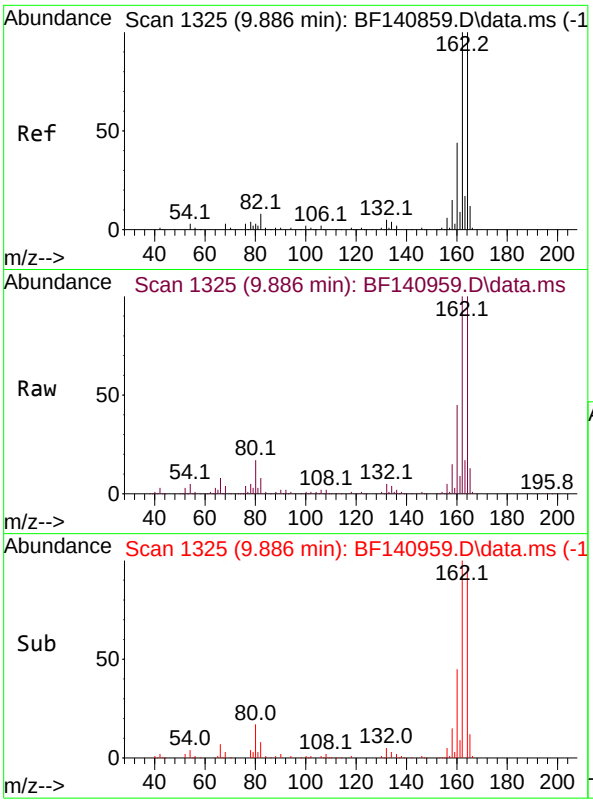




#38
1-Methylnaphthalene
Concen: 39.588 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:142 Resp: 353547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.4 | 110.0 |



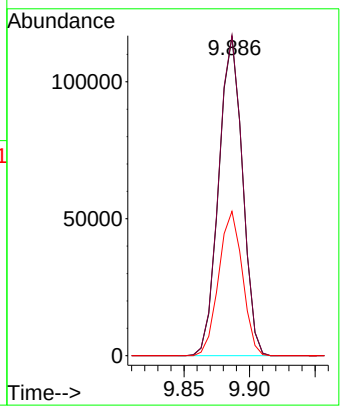


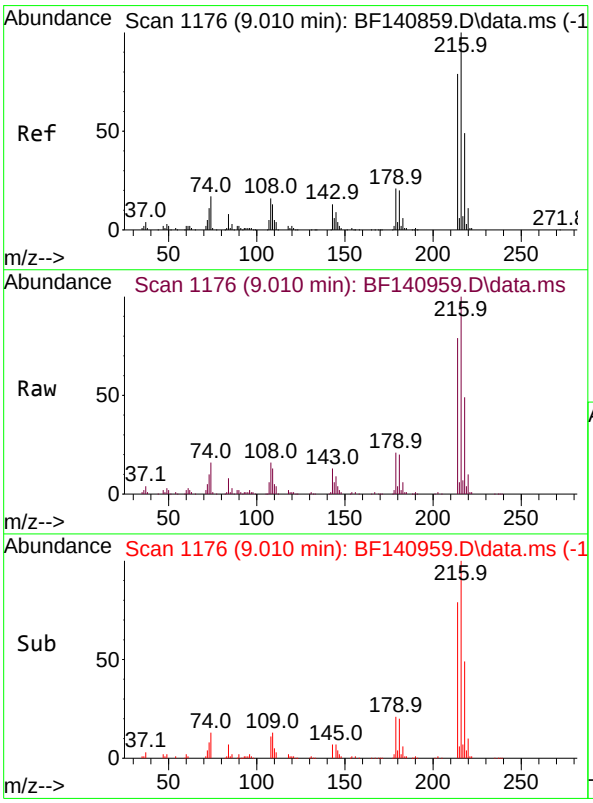

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 146137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 79.9 | 119.9 |
| 160 | 45.3 | 35.2 | 52.8 |

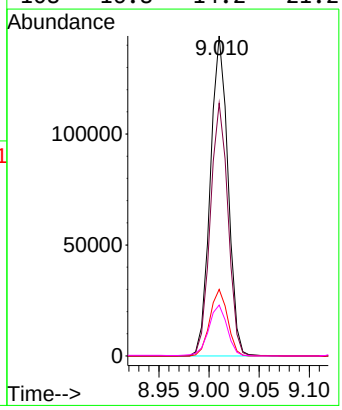


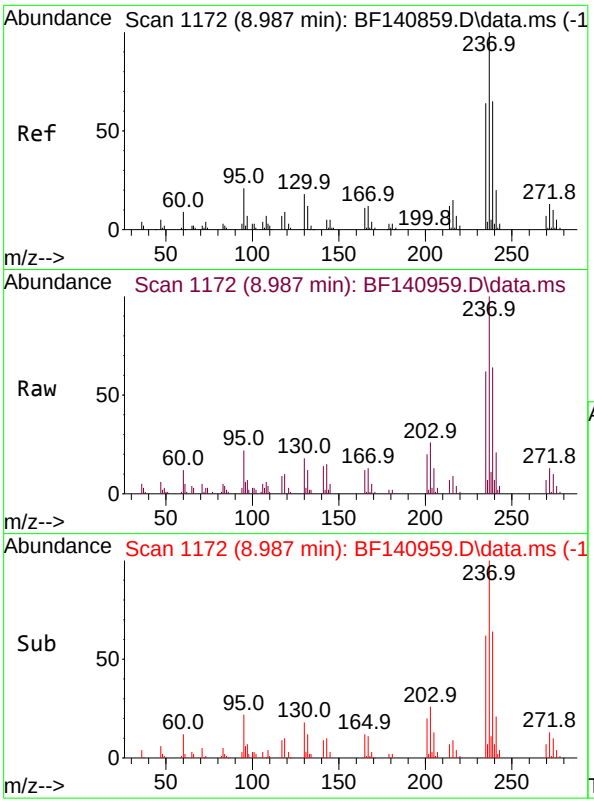




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.312 ng
RT: 9.010 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:216 Resp: 176578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.6 | 95.4 |
| 179 | 20.8 | 17.0 | 25.4 |
| 108 | 16.8 | 14.2 | 21.2 |



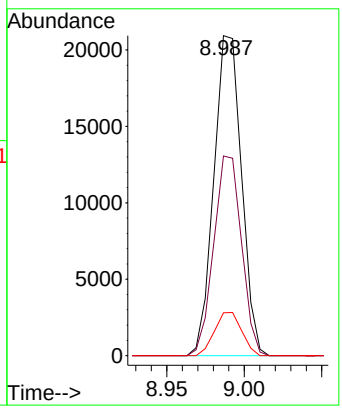


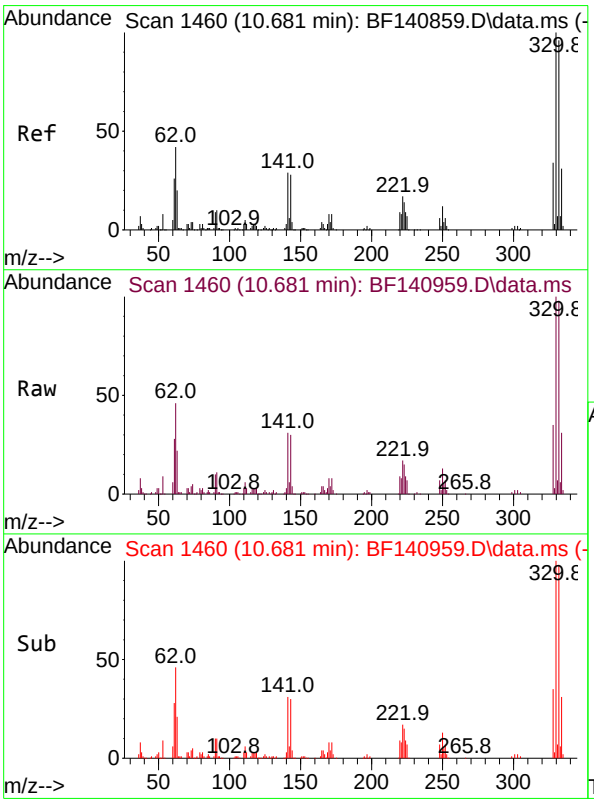

#41
Hexachlorocyclopentadiene
Concen: 28.674 ng
RT: 8.987 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 26032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 43.7 | 83.7 |
| 272 | 13.4 | 0.0 | 32.9 |

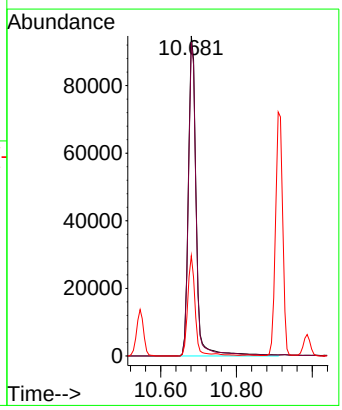


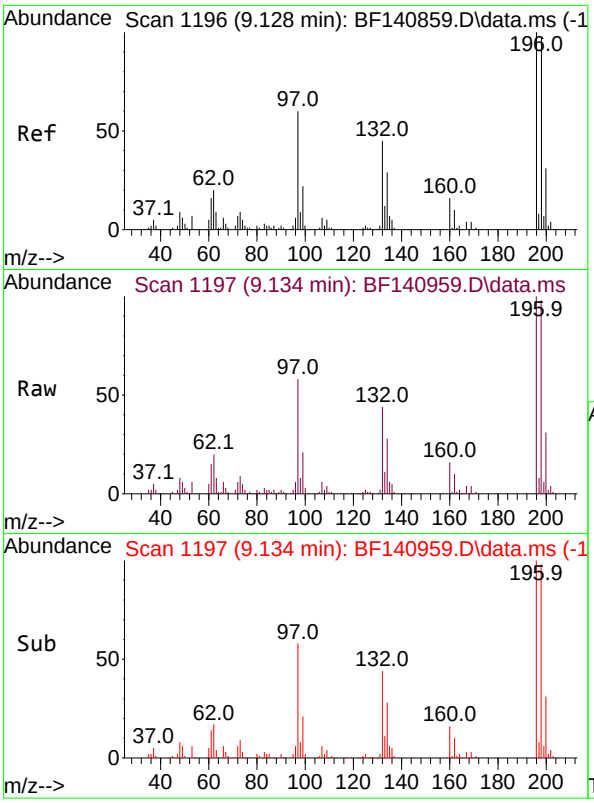




#42
2,4,6-Tribromophenol
Concen: 78.522 ng
RT: 10.681 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:330 Resp: 135717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.2 | 114.4 |
| 141 | 29.0 | 24.9 | 37.3 |



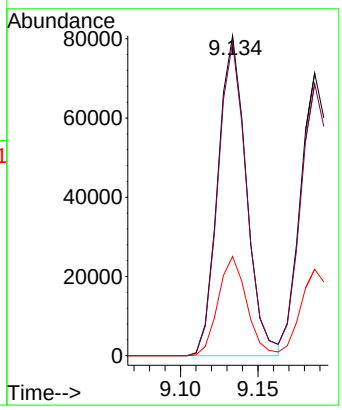


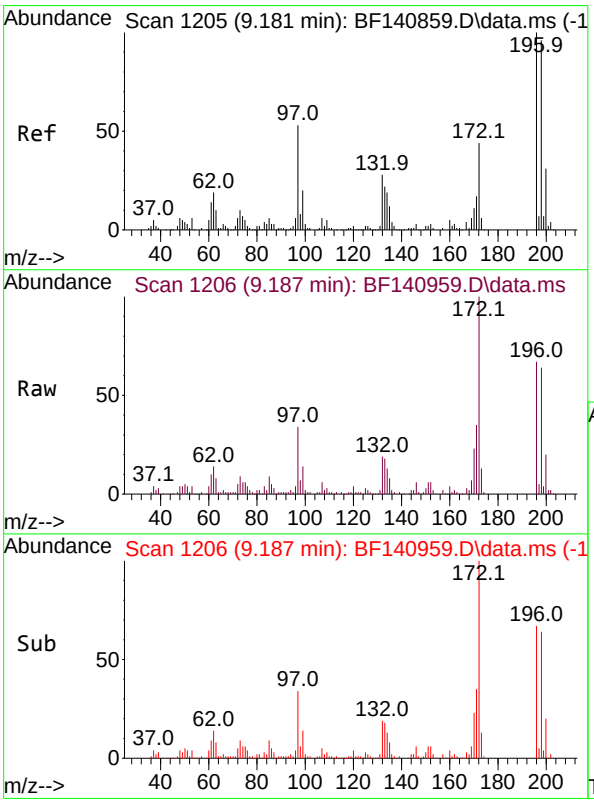

#43
2,4,6-Trichlorophenol
Concen: 37.469 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 103055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.0 | 77.4 | 116.0 |
| 200 | 31.0 | 24.5 | 36.7 |

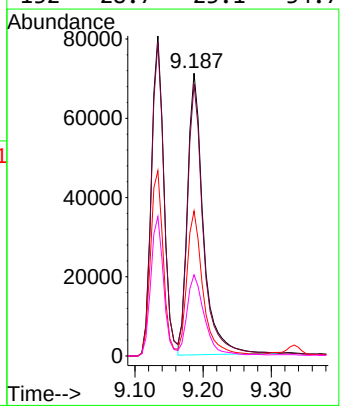


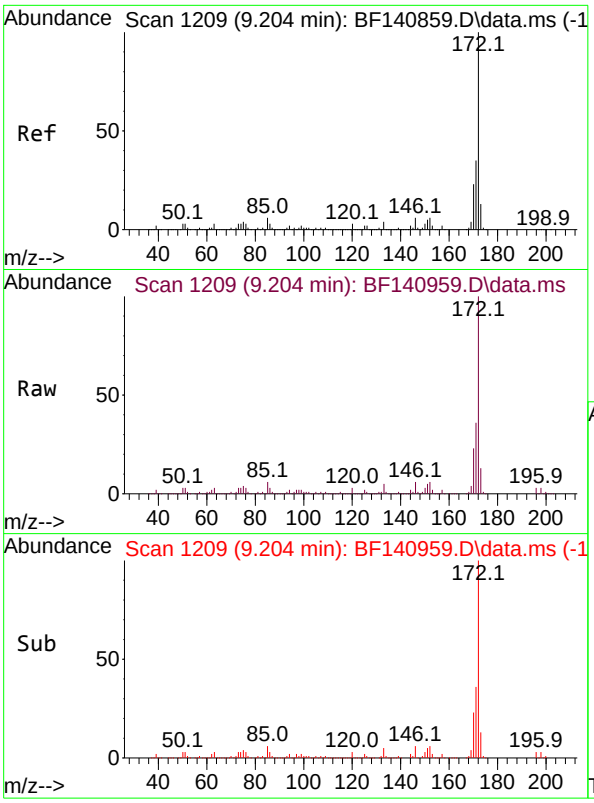




#44
2,4,5-Trichlorophenol
Concen: 37.641 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:196 Resp: 113791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.2 | 77.2 | 115.8 |
| 97 | 51.3 | 42.2 | 63.4 |
| 132 | 28.7 | 23.1 | 34.7 |



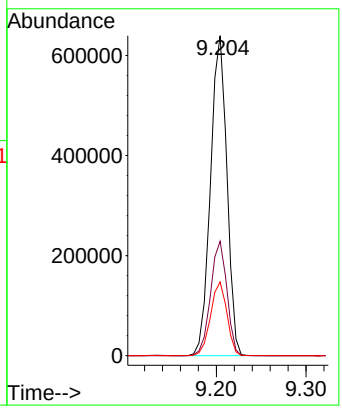


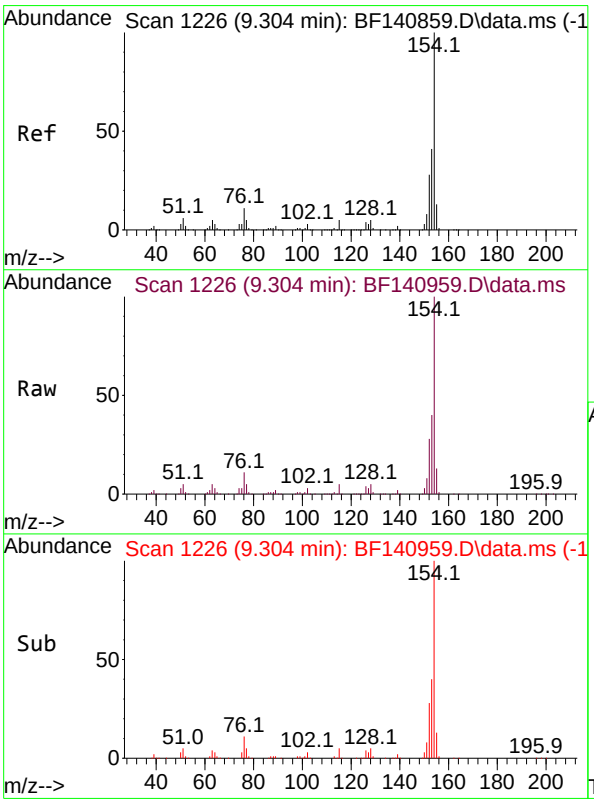

#45
2-Fluorobiphenyl
Concen: 76.352 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 811564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.4 | 42.6 |
| 170 | 23.0 | 18.6 | 28.0 |

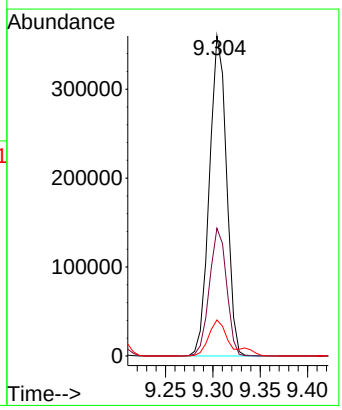


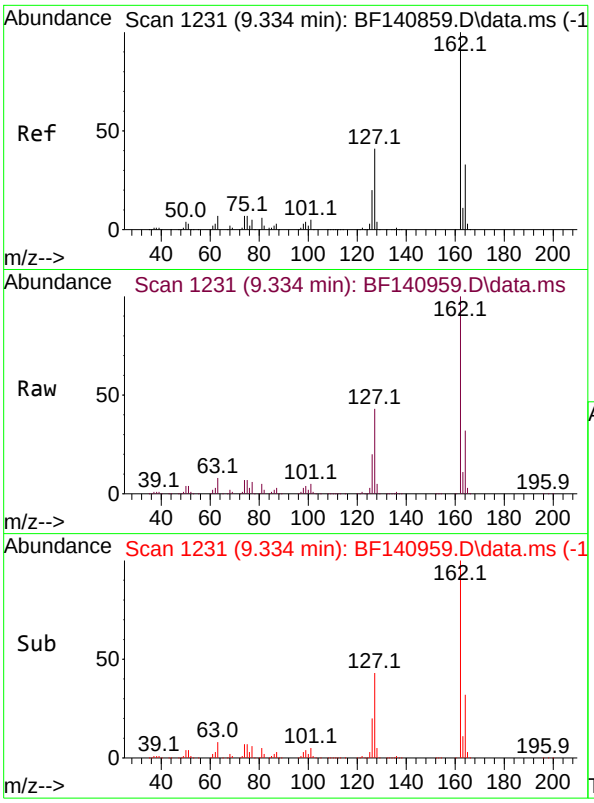




#46
1,1'-Biphenyl
Concen: 38.834 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:154 Resp: 451267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.8 | 60.8 |
| 76 | 11.2 | 0.0 | 31.0 |



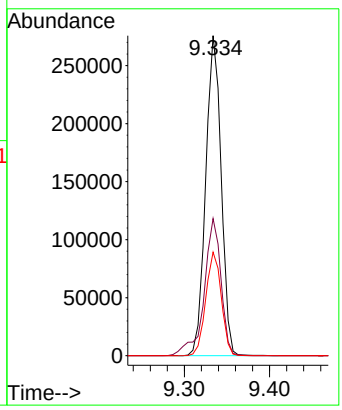


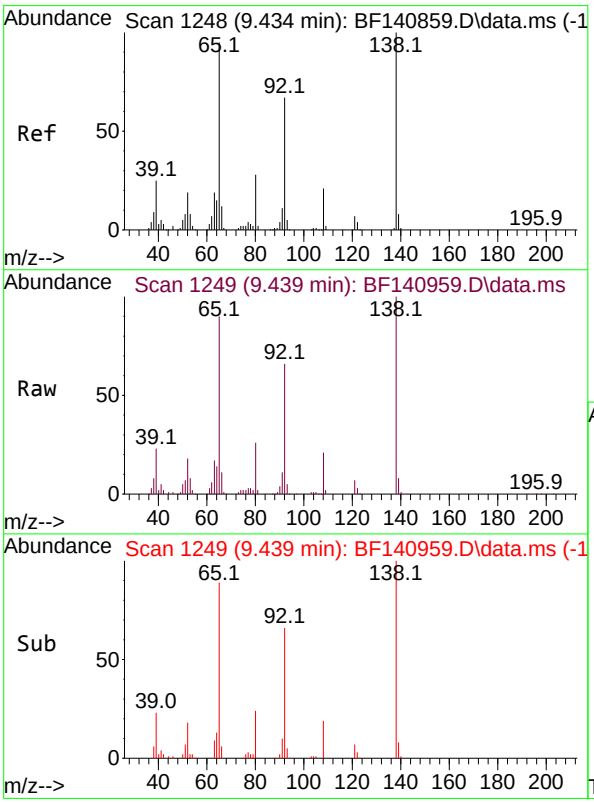

#47
2-Chloronaphthalene
Concen: 39.139 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 347940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.9 | 33.5 | 50.3 |
| 164 | 32.3 | 26.2 | 39.2 |

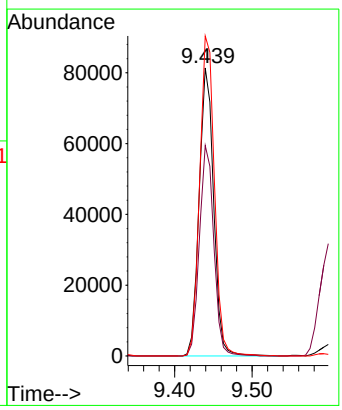


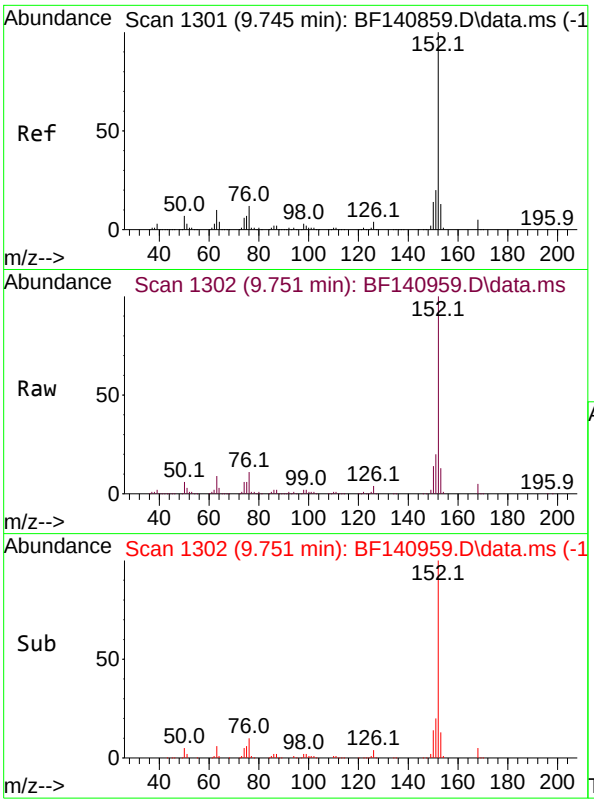




#48
2-Nitroaniline
Concen: 39.384 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion: 65 Resp: 105740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.0 | 56.3 | 84.5 |
| 138 | 111.1 | 83.8 | 125.6 |



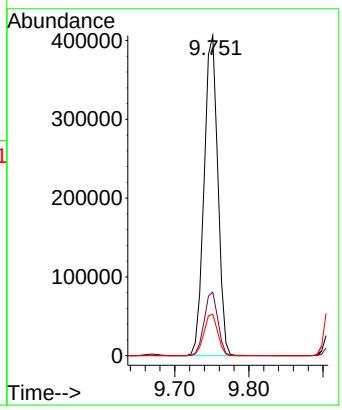


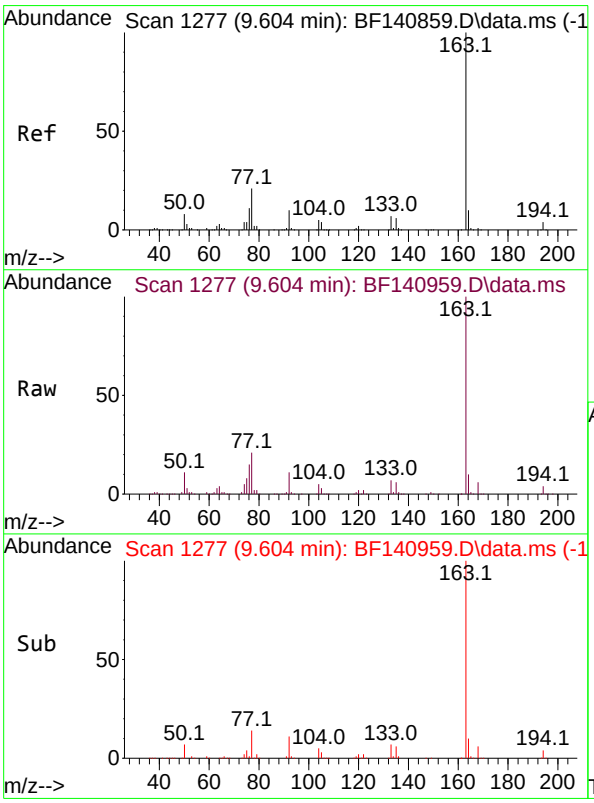

#49
Acenaphthylene
Concen: 40.003 ng
RT: 9.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 522615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 16.0 |

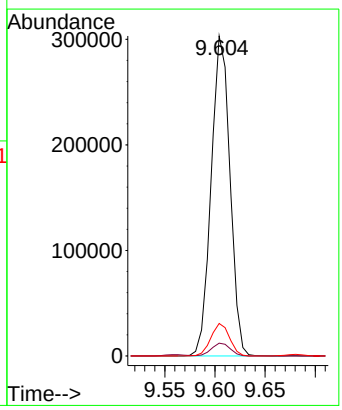


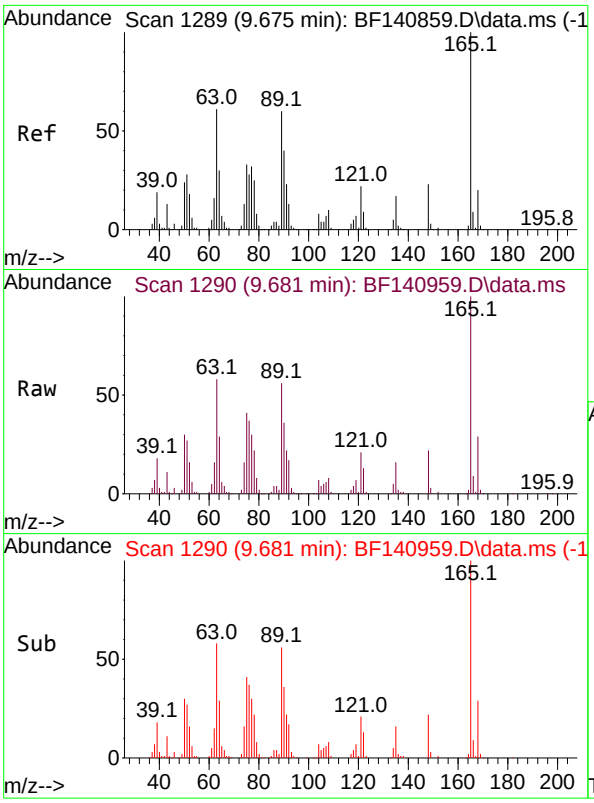




#50
Dimethylphthalate
Concen: 38.322 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:163 Resp: 394835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.2 | 8.1 | 12.1 |



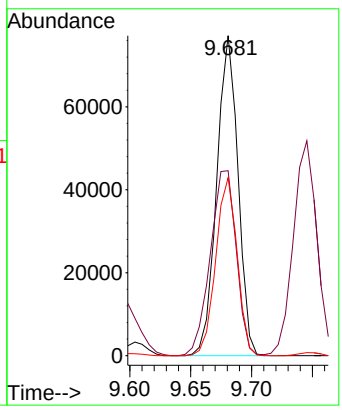


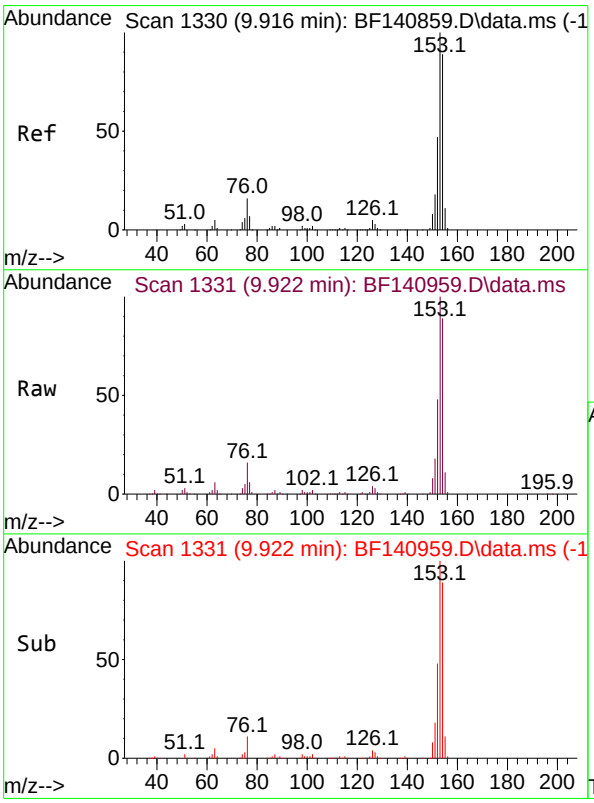

#51
2,6-Dinitrotoluene
Concen: 39.767 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 93666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.8 | 49.7 | 74.5 |
| 89 | 55.6 | 48.2 | 72.4 |

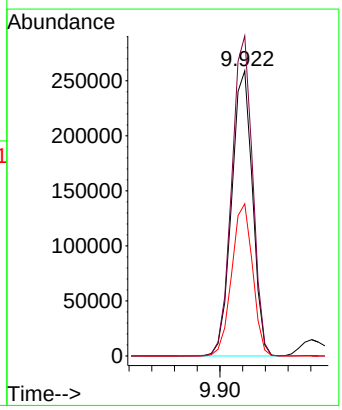


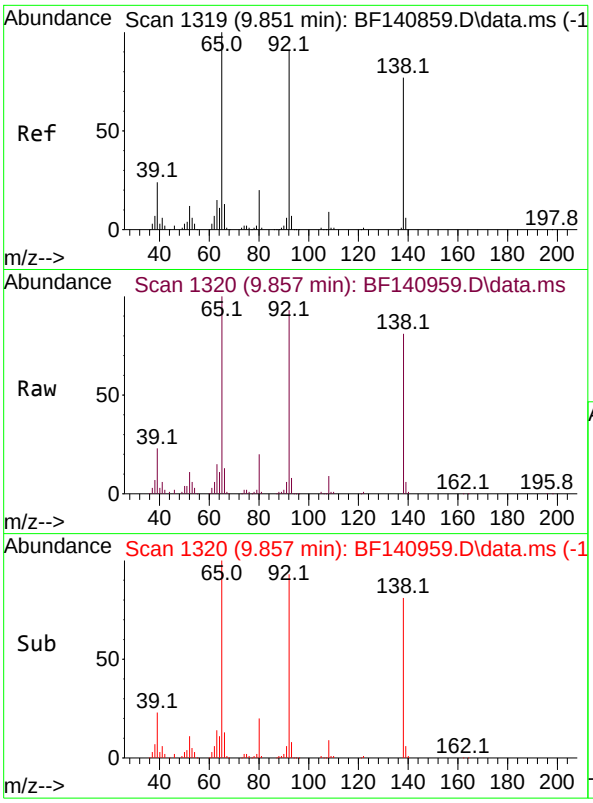




#52
Acenaphthene
Concen: 39.664 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:154 Resp: 331006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.9 | 134.9 |
| 152 | 53.4 | 42.6 | 63.8 |



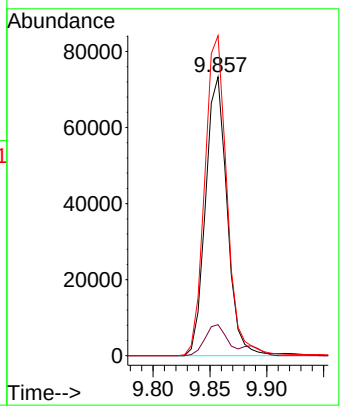


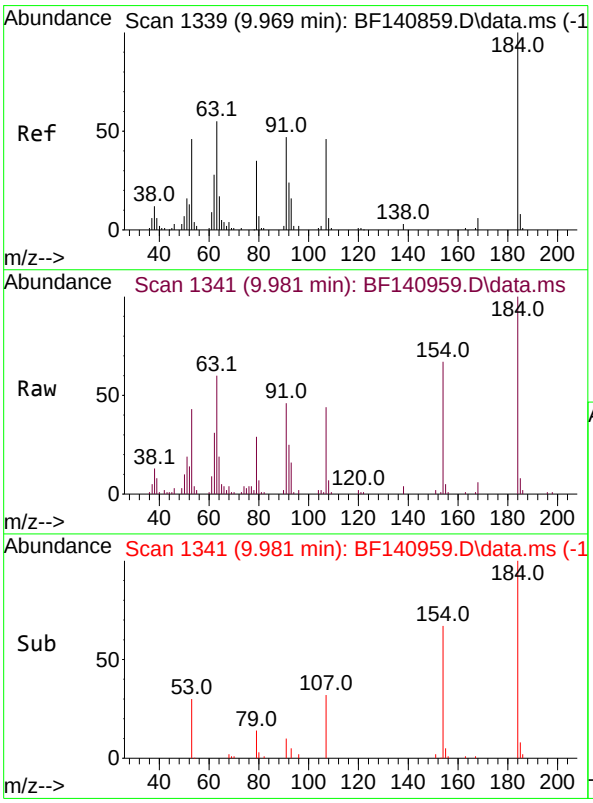

#53
3-Nitroaniline
Concen: 41.485 ng
RT: 9.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 96968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 114.8 | 95.5 | 143.3 |

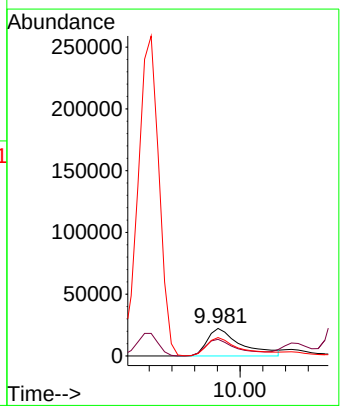


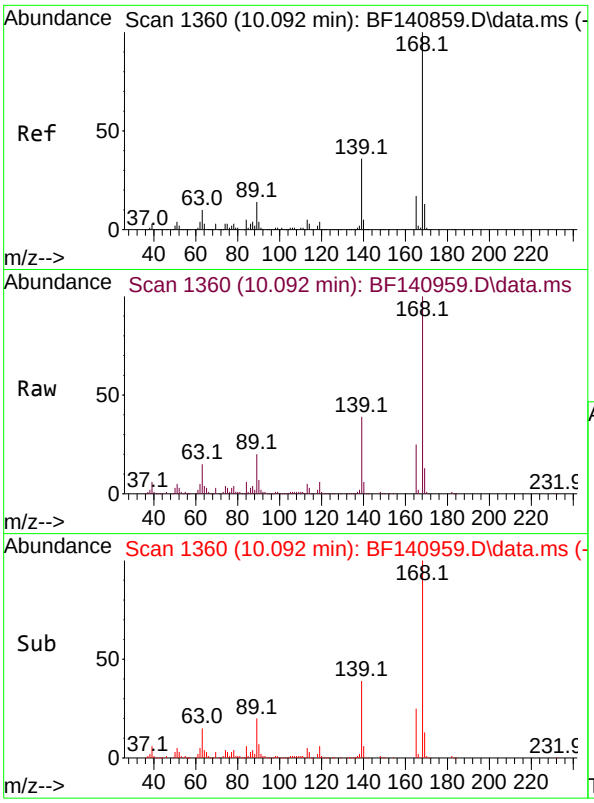




#54
2,4-Dinitrophenol
Concen: 43.346 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:184 Resp: 46064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.2 | 51.6 | 77.4 |
| 154 | 66.7 | 56.1 | 84.1 |



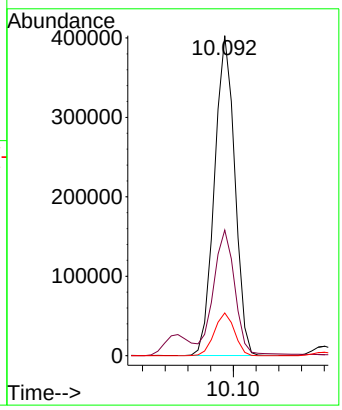


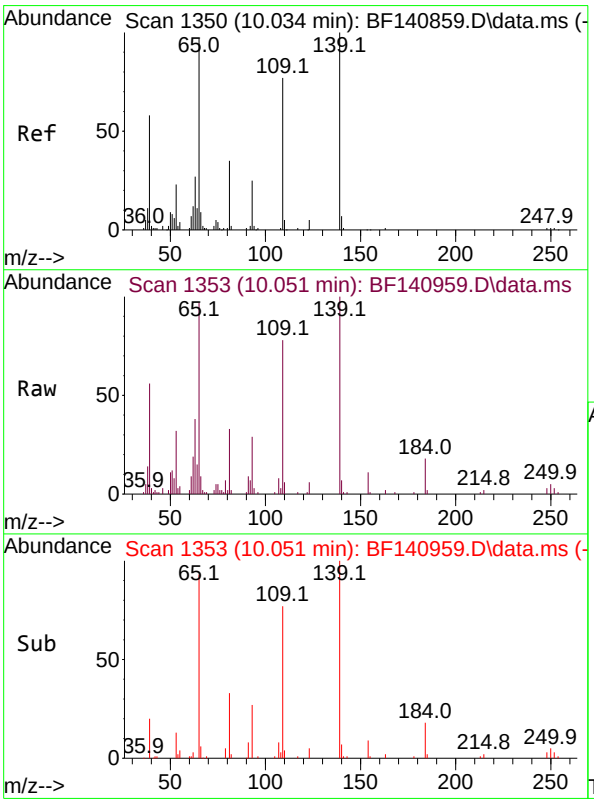

#55
Dibenzofuran
Concen: 38.647 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 499757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.3 | 31.1 | 46.7 |
| 169 | 13.3 | 10.6 | 16.0 |

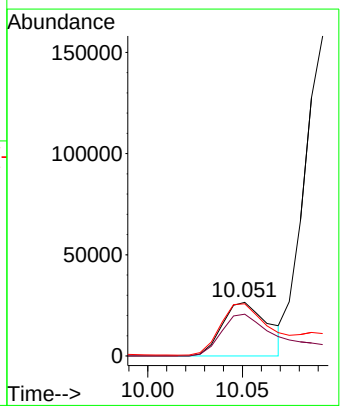


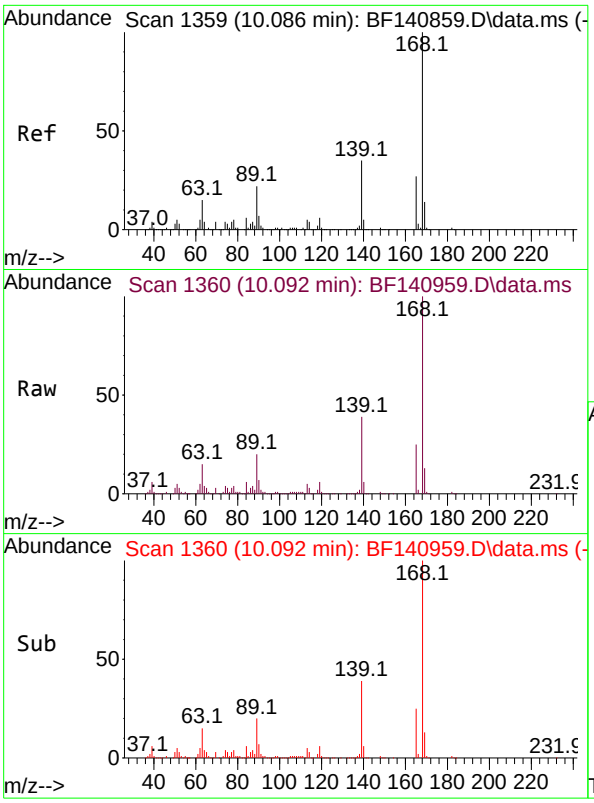




#56
4-Nitrophenol
Concen: 37.930 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:139 Resp: 44580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 77.9 | 56.7 | 96.7 |
| 65 | 97.2 | 78.1 | 118.1 |



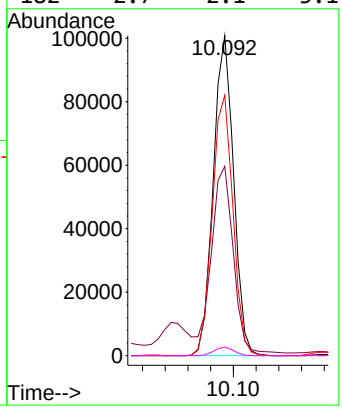


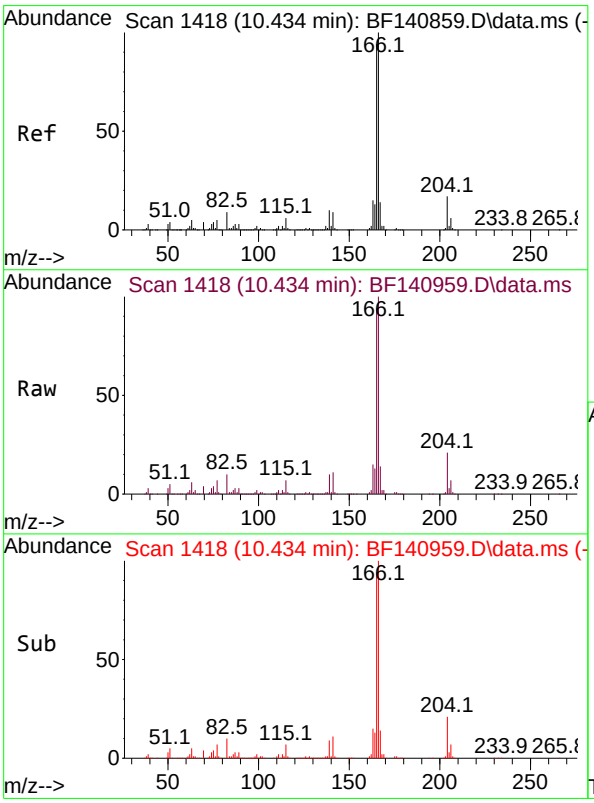

#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 125320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.2 | 49.3 | 73.9 |
| 89 | 81.4 | 66.2 | 99.4 |
| 182 | 2.7 | 2.1 | 3.1 |

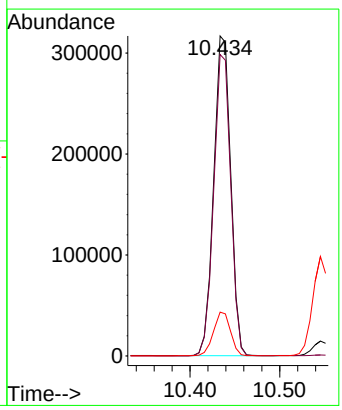


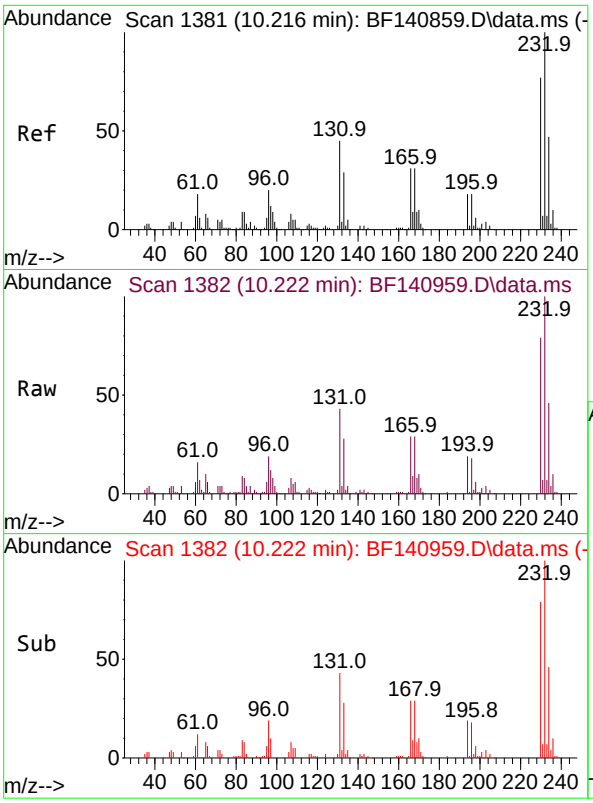




#58
Fluorene
Concen: 39.048 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:166 Resp: 416576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.2 | 75.1 | 112.7 |
| 167 | 13.7 | 11.1 | 16.7 |



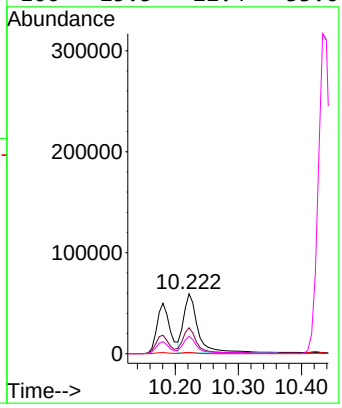


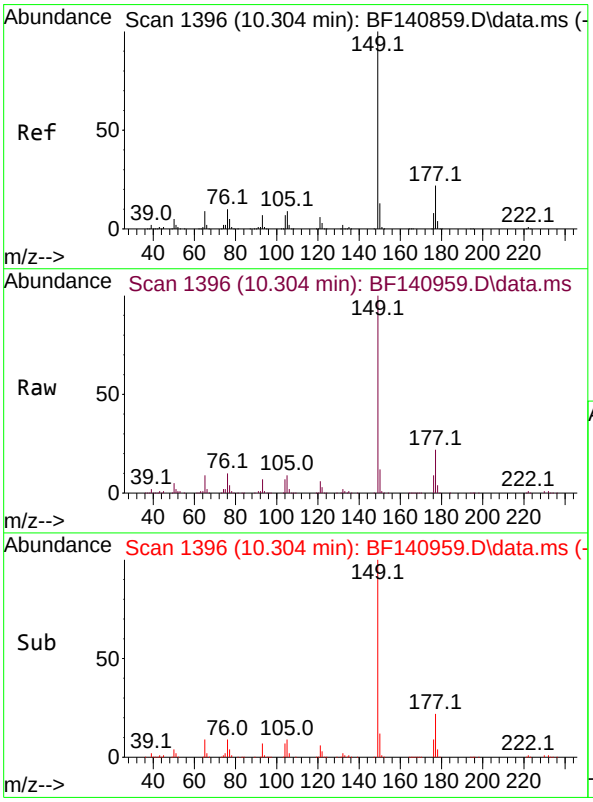

#59
2,3,4,6-Tetrachlorophenol
Concen: 37.667 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 92785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.5 | 35.1 | 52.7 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 25.5 | 22.4 | 33.6 |

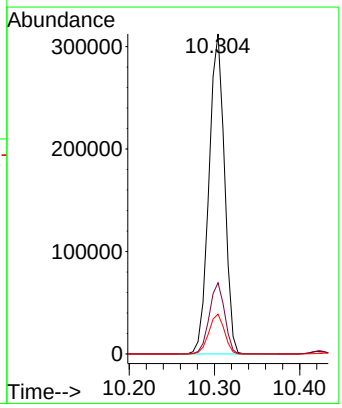


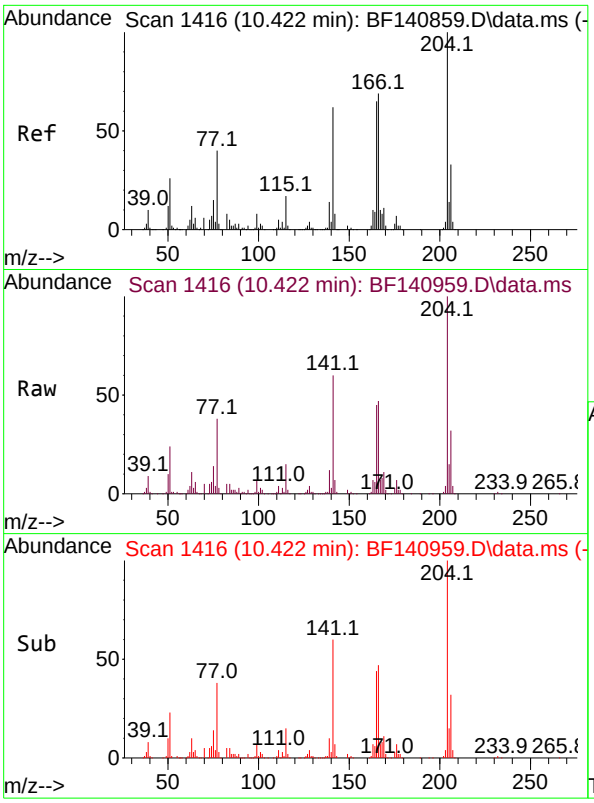




#60
Diethylphthalate
Concen: 37.002 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 395324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 17.2 | 25.8 |
| 150 | 12.5 | 10.1 | 15.1 |



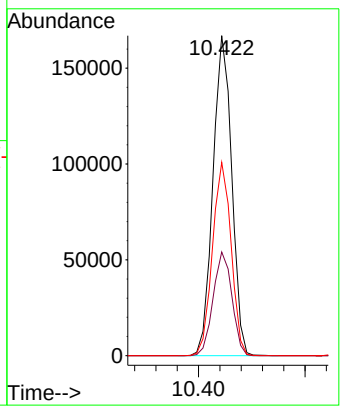


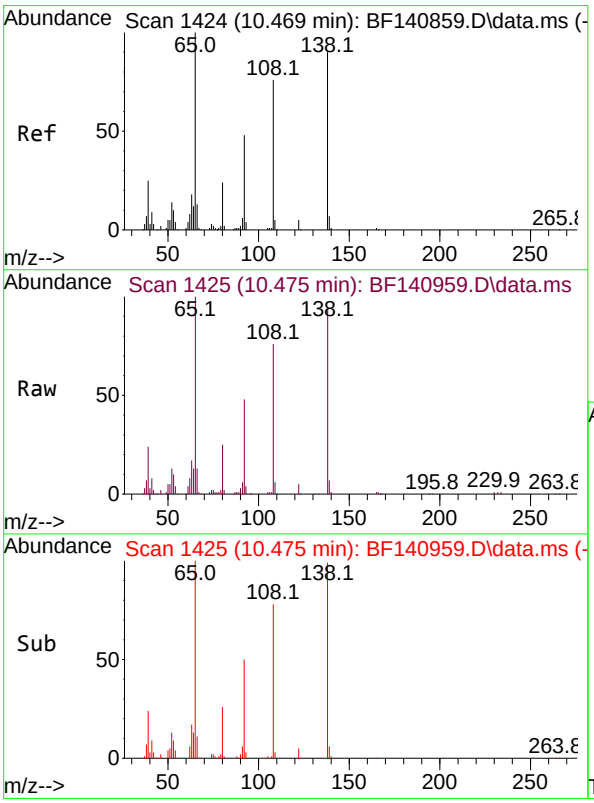

#61
4-Chlorophenyl-phenylether
Concen: 37.979 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 203526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.5 | 39.7 |
| 141 | 60.4 | 50.0 | 75.0 |

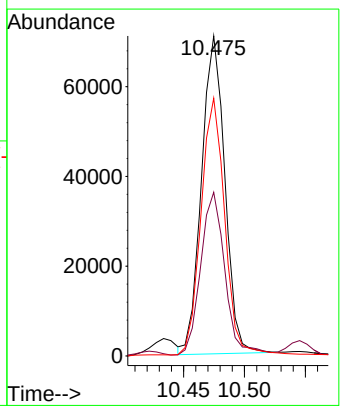


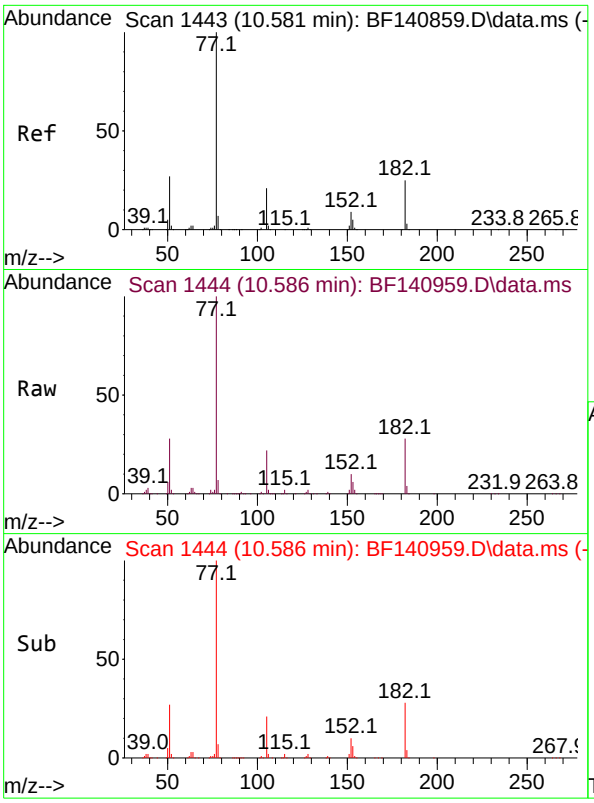




#62
4-Nitroaniline
Concen: 38.500 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:138 Resp: 94041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.2 | 32.6 | 72.6 |
| 108 | 80.5 | 64.1 | 104.1 |



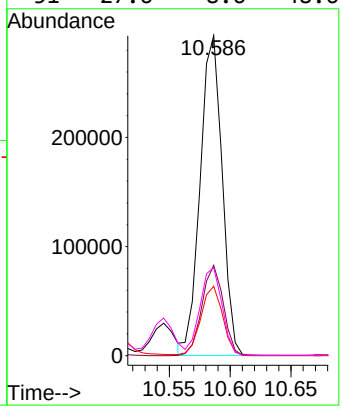


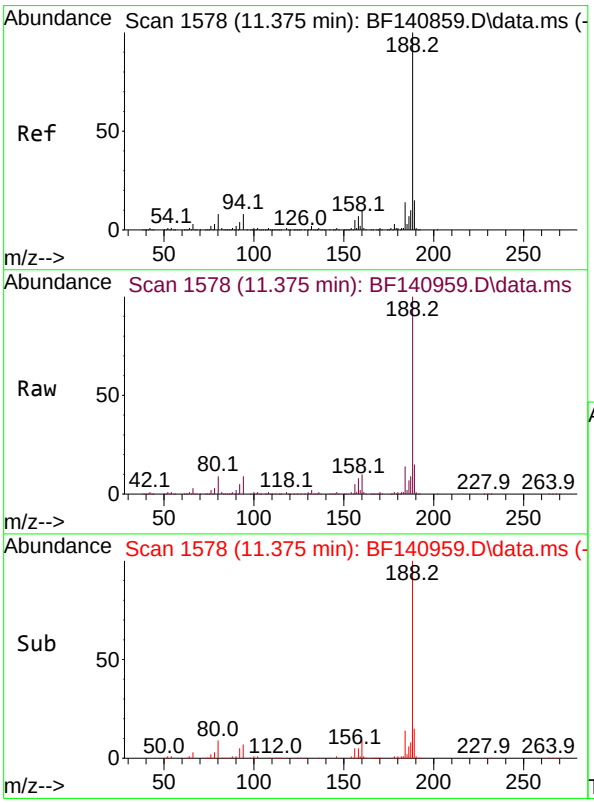

#63
Azobenzene
Concen: 36.682 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 368436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.3 | 4.5 | 44.5 |
| 105 | 21.7 | 0.9 | 40.9 |
| 51 | 27.6 | 8.6 | 48.6 |

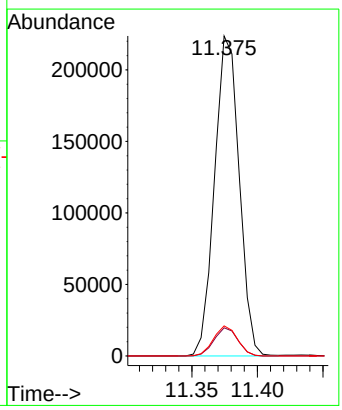


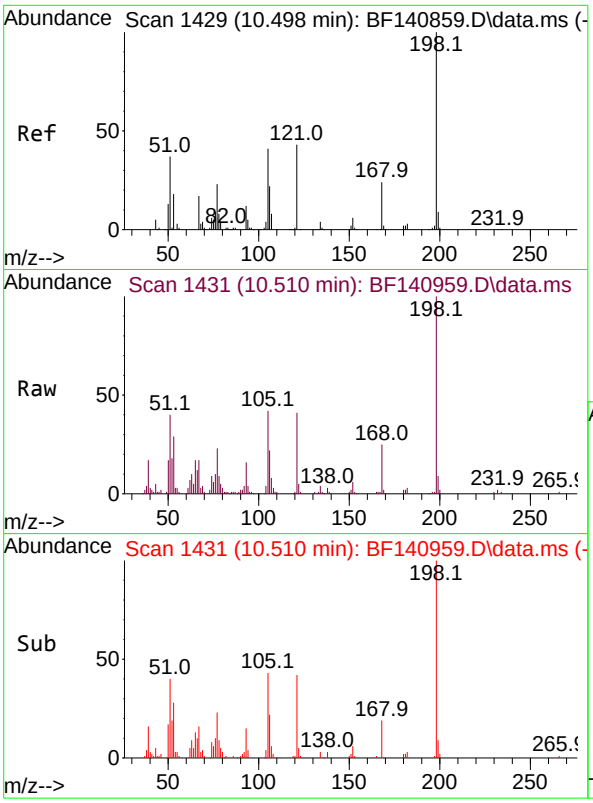




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:188 Resp: 291861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 6.4 | 9.6 |
| 80 | 9.4 | 6.8 | 10.2 |



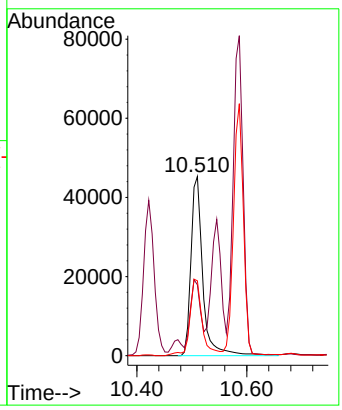


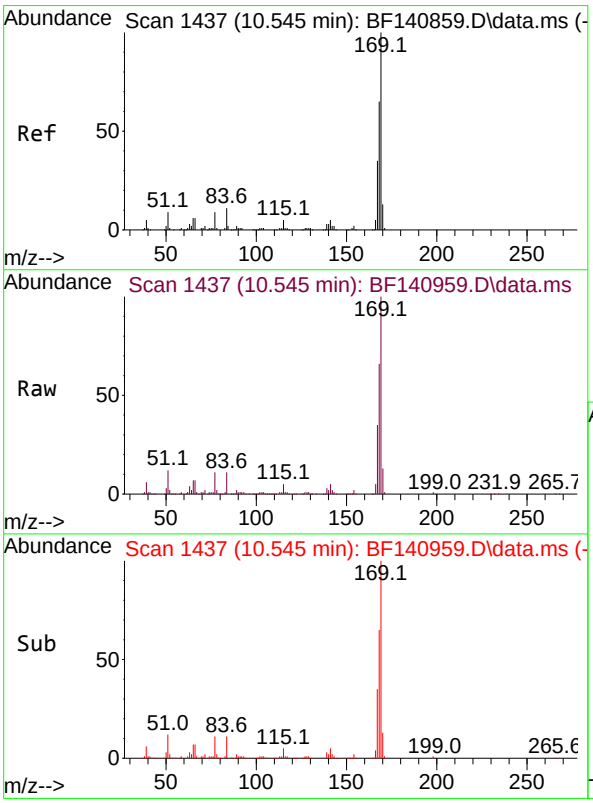

#65
4,6-Dinitro-2-methylphenol
Concen: 40.900 ng
RT: 10.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 67642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.6 | 24.4 | 64.4 |
| 105 | 41.8 | 22.1 | 62.1 |

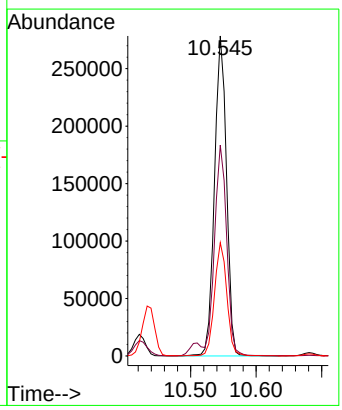


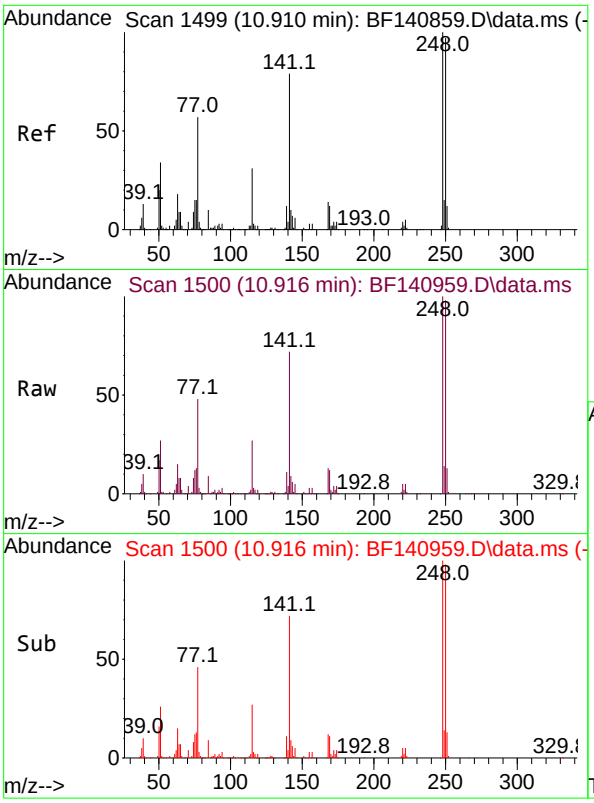




#66
n-Nitrosodiphenylamine
Concen: 39.380 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:169 Resp: 353375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 53.4 | 80.0 |
| 167 | 35.4 | 28.3 | 42.5 |



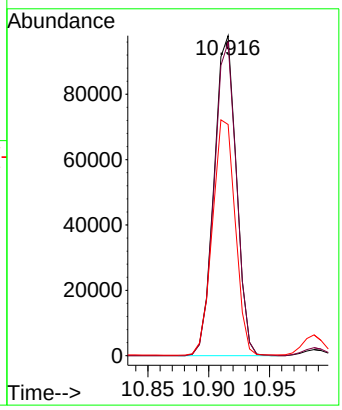


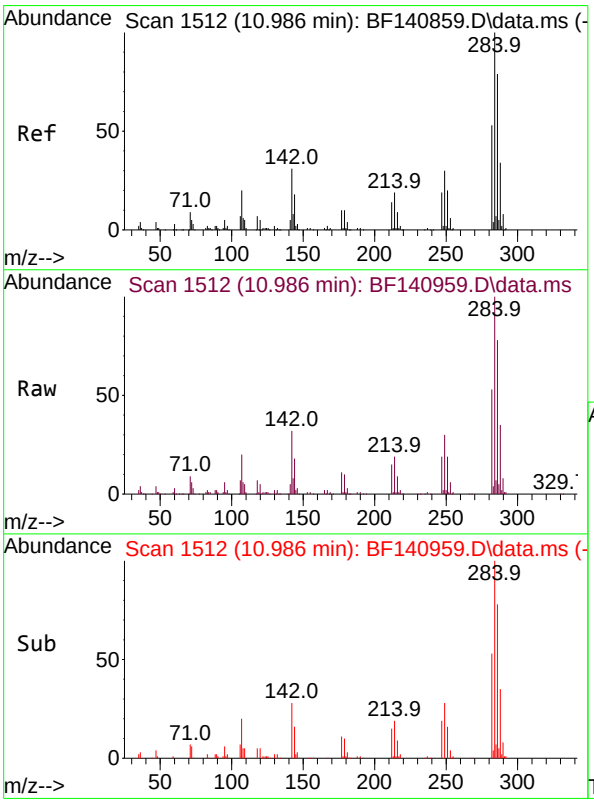

#67
4-Bromophenyl-phenylether
Concen: 38.203 ng
RT: 10.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 124736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.4 | 116.2 |
| 141 | 72.3 | 62.9 | 94.3 |

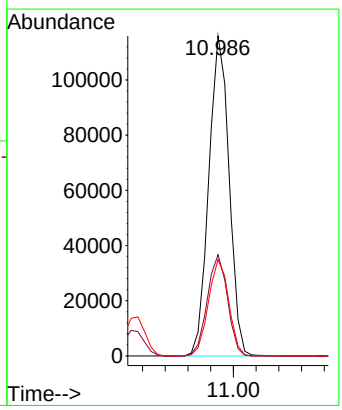


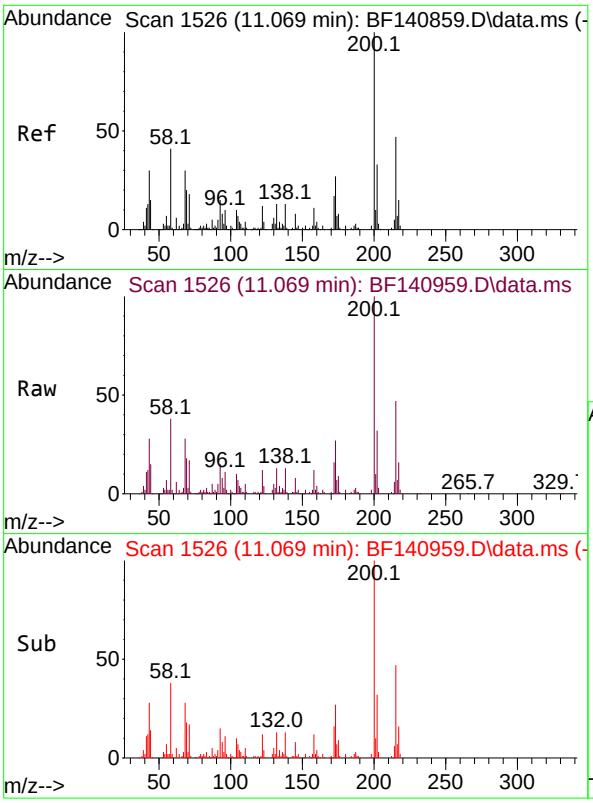




#68
Hexachlorobenzene
Concen: 38.882 ng
RT: 10.986 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:284 Resp: 143941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.7 | 24.6 | 36.8 |
| 249 | 30.1 | 24.3 | 36.5 |



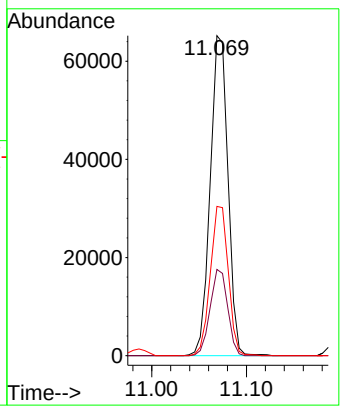


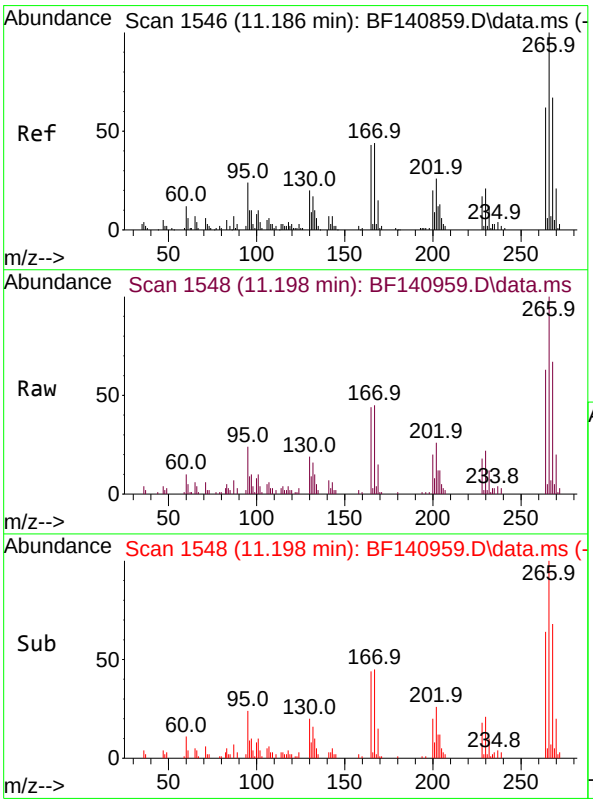

#69
Atrazine
Concen: 33.792 ng
RT: 11.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 84689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.9 | 6.6 | 46.6 |
| 215 | 46.7 | 26.7 | 66.7 |

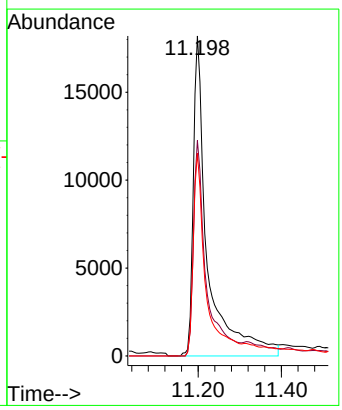


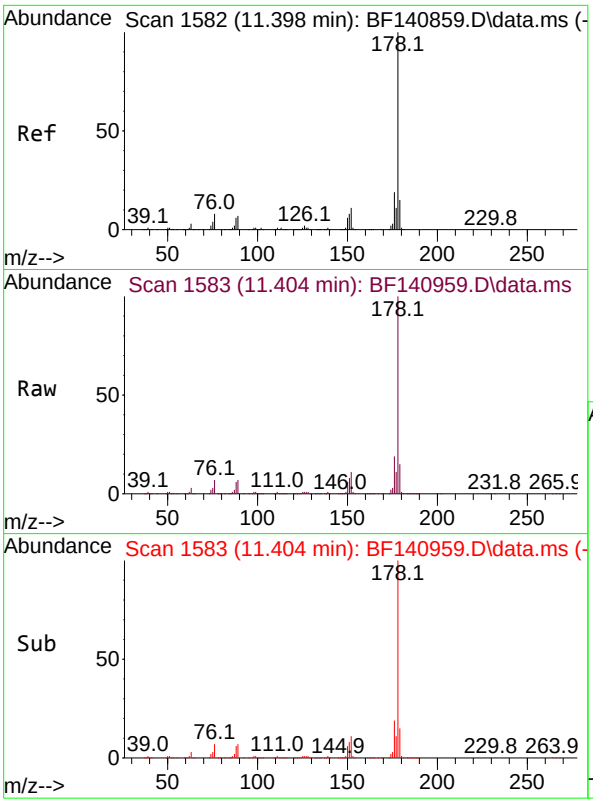




#70
Pentachlorophenol
Concen: 32.340 ng
RT: 11.198 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:266 Resp: 43771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.4 | 54.0 | 81.0 |
| 264 | 63.3 | 49.4 | 74.2 |



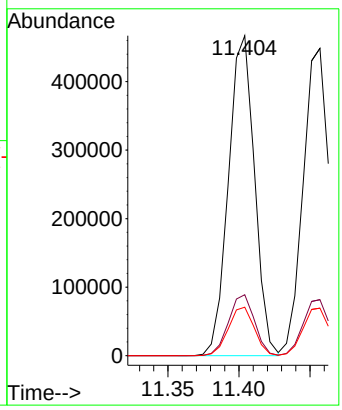


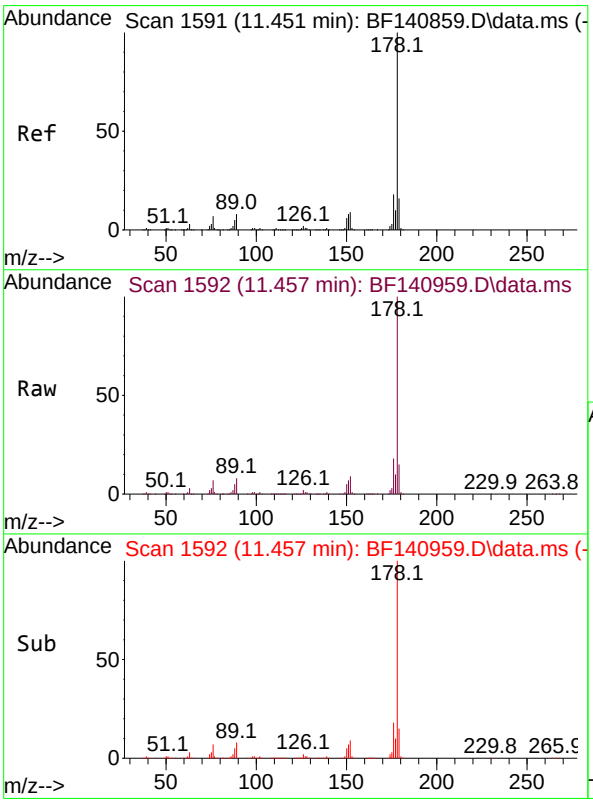

#71
Phenanthrene
Concen: 39.689 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 595675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.2 |
| 179 | 15.1 | 12.1 | 18.1 |

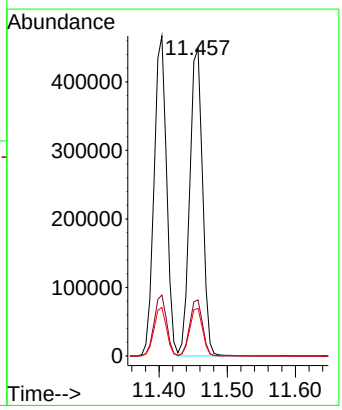


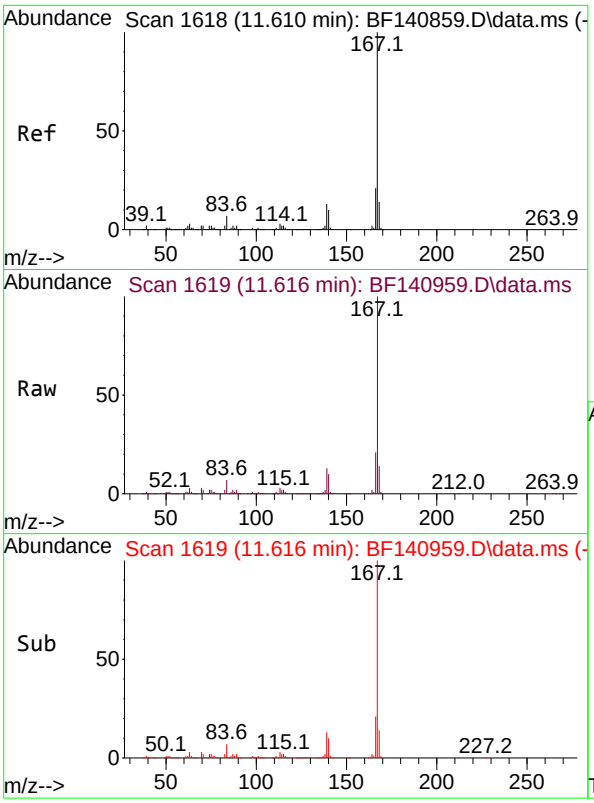




#72
Anthracene
Concen: 39.262 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:178 Resp: 580319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.6 | 22.0 |
| 179 | 15.5 | 12.6 | 18.8 |



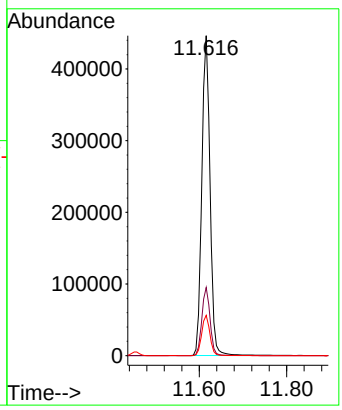


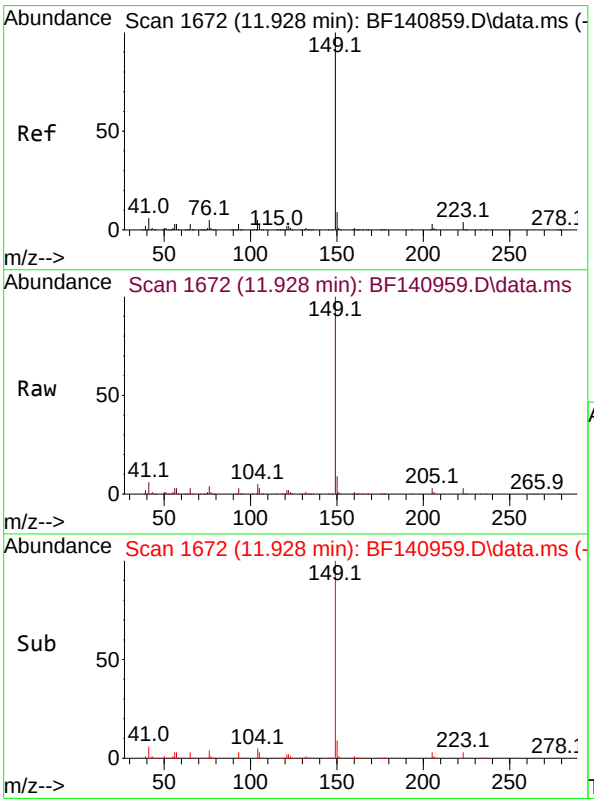

#73
Carbazole
Concen: 40.420 ng
RT: 11.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 585180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.6 |
| 139 | 12.6 | 10.2 | 15.2 |

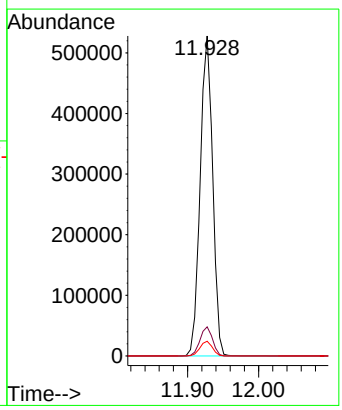


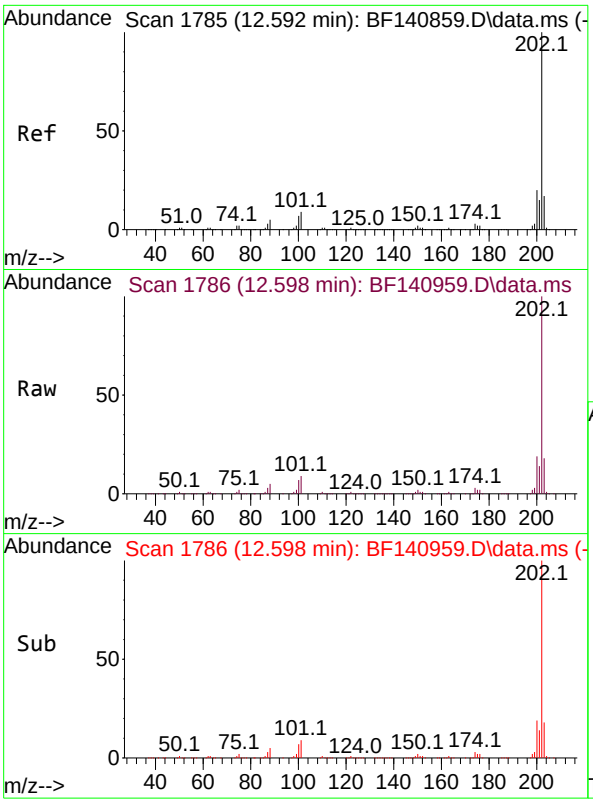




#74
Di-n-butylphthalate
Concen: 38.065 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 646754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.5 | 11.3 |
| 104 | 4.6 | 3.8 | 5.8 |



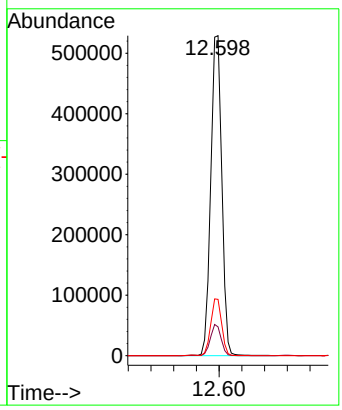


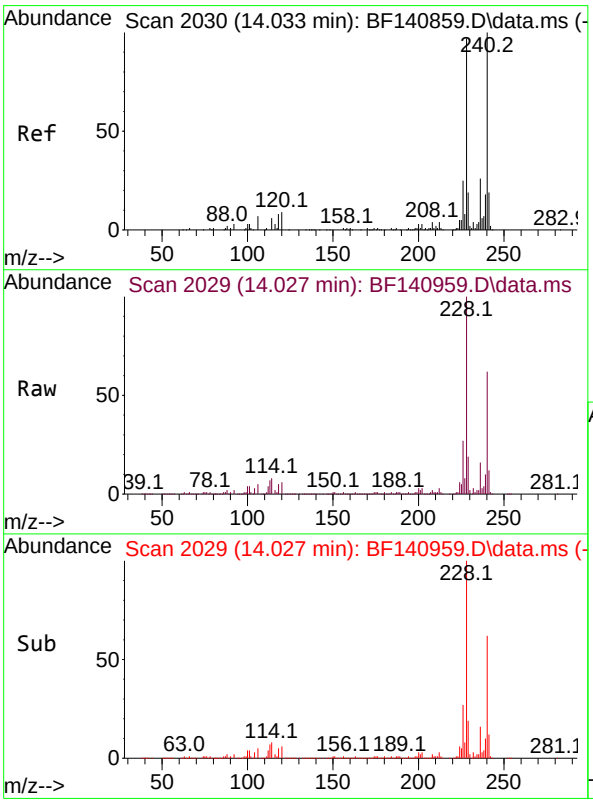

#75
Fluoranthene
Concen: 41.145 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 711196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 29.3 |
| 203 | 17.6 | 0.0 | 37.4 |

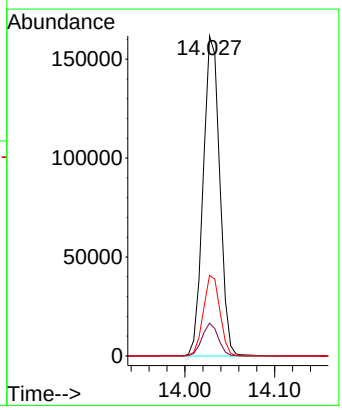


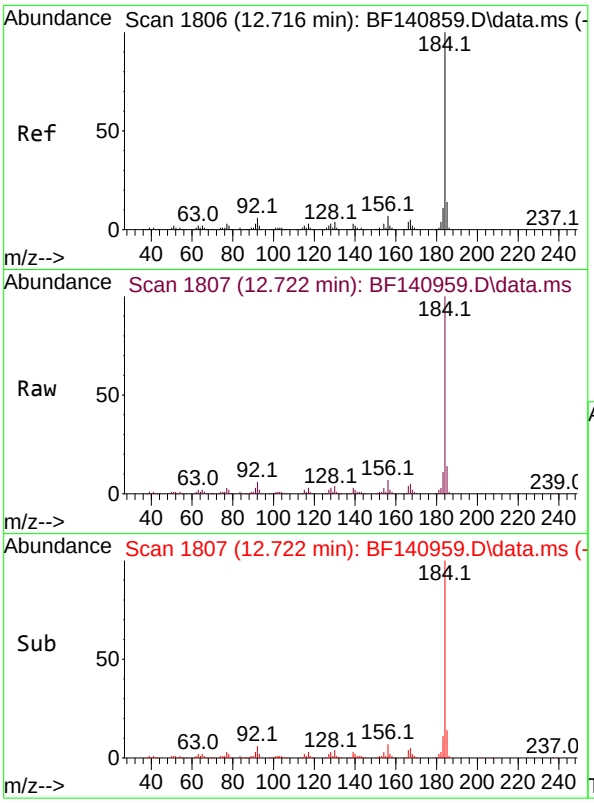




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:240 Resp: 207326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 7.6 | 11.4 |
| 236 | 25.2 | 20.5 | 30.7 |



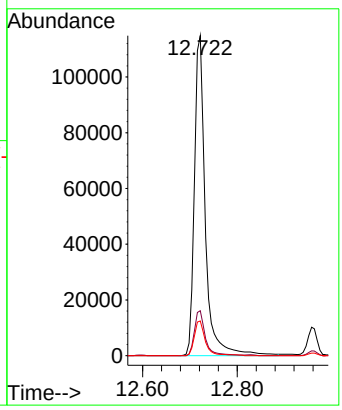


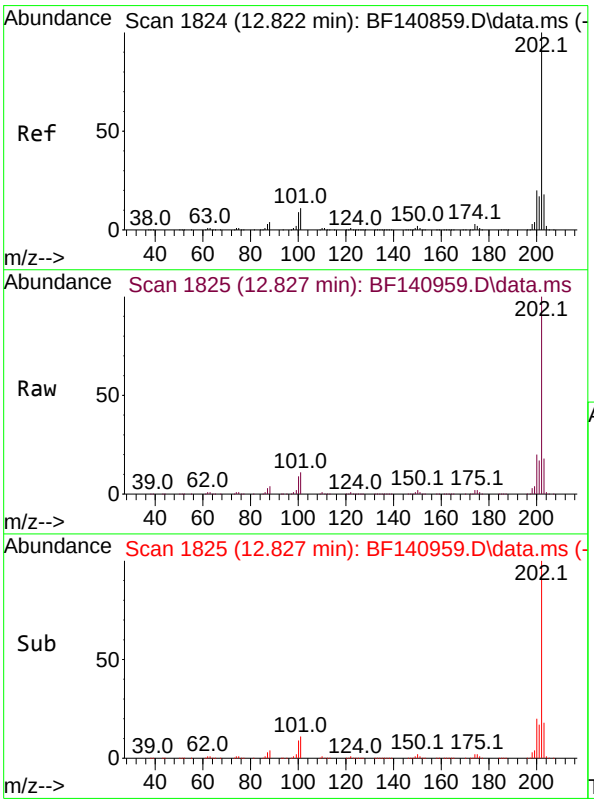

#77
Benzidine
Concen: 43.643 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 184675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.1 | 16.7 |
| 183 | 10.9 | 9.0 | 13.4 |

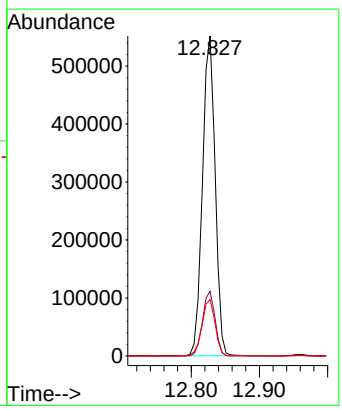


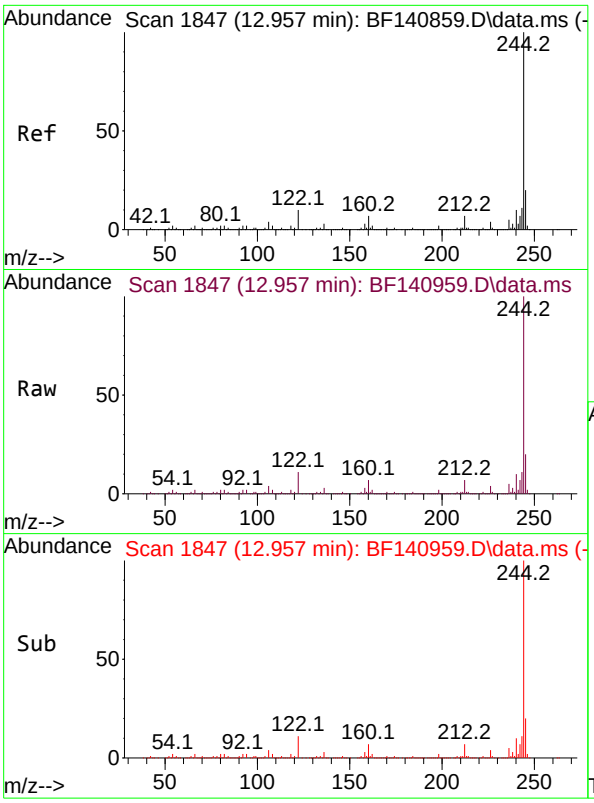




#78
Pyrene
Concen: 38.803 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:202 Resp: 715402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.2 | 16.1 | 24.1 |
| 203 | 17.7 | 14.2 | 21.4 |



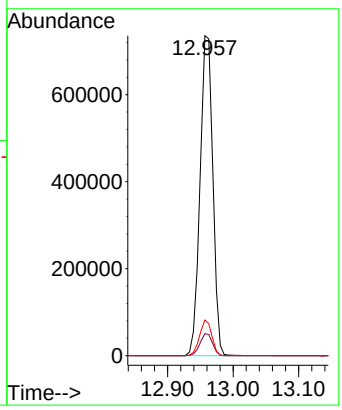


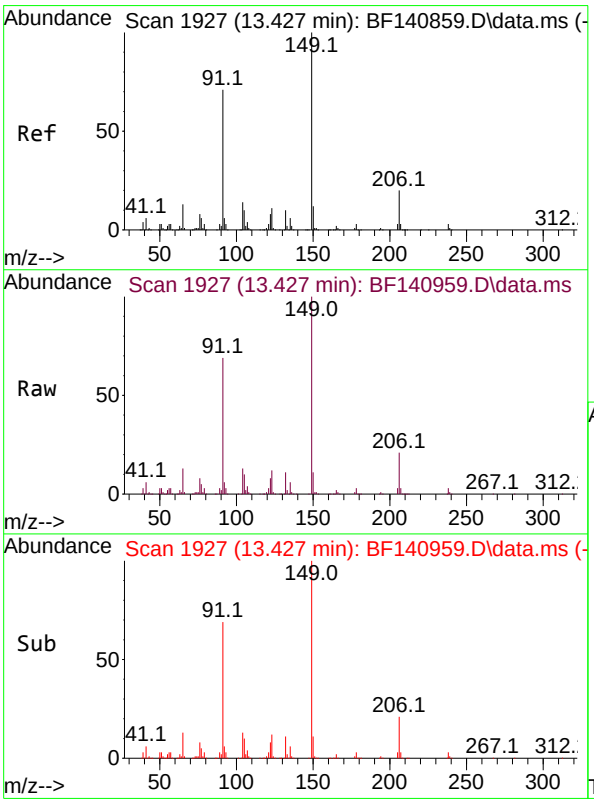

#79
Terphenyl-d14
Concen: 76.158 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 1001326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 11.1 | 8.2 | 12.2 |

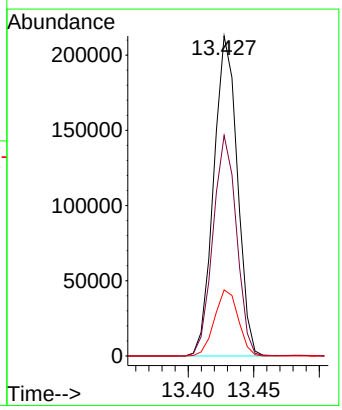


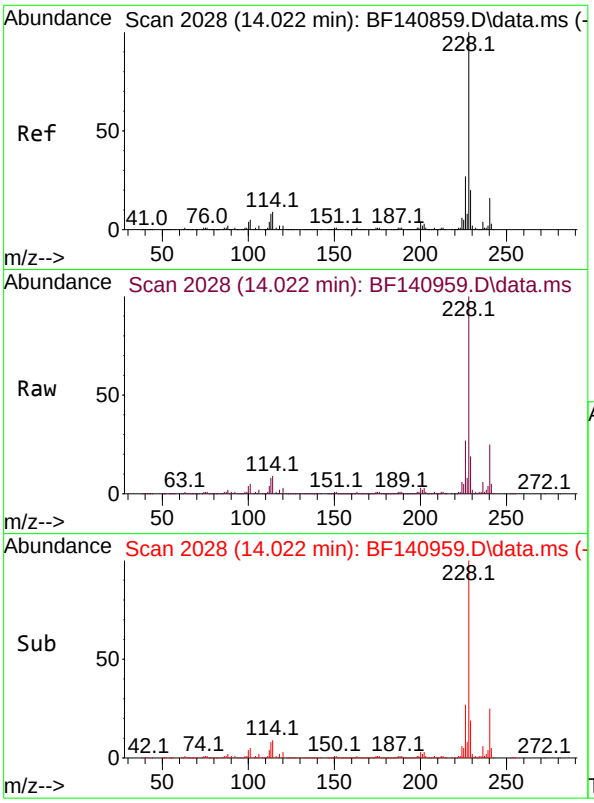




#80
Butylbenzylphthalate
Concen: 39.317 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 266719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.9 | 56.7 | 85.1 |
| 206 | 20.7 | 16.4 | 24.6 |



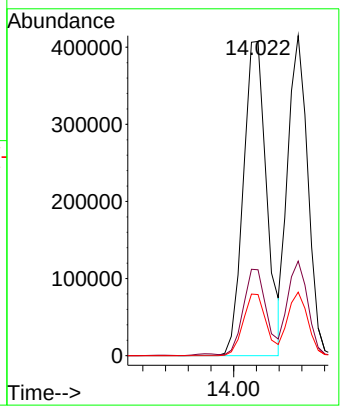


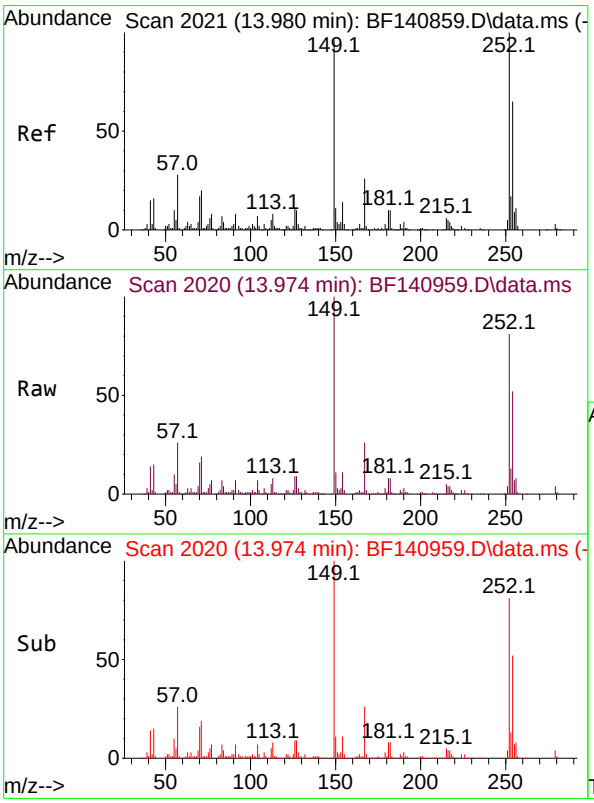

#81
Benzo(a)anthracene
Concen: 39.621 ng
RT: 14.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 582184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.4 | 15.8 | 23.8 |

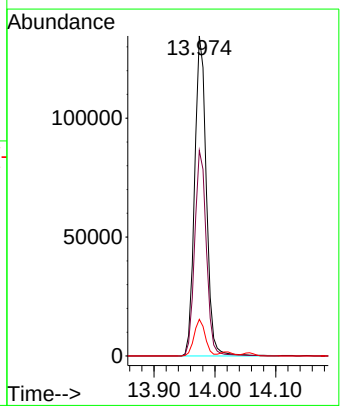


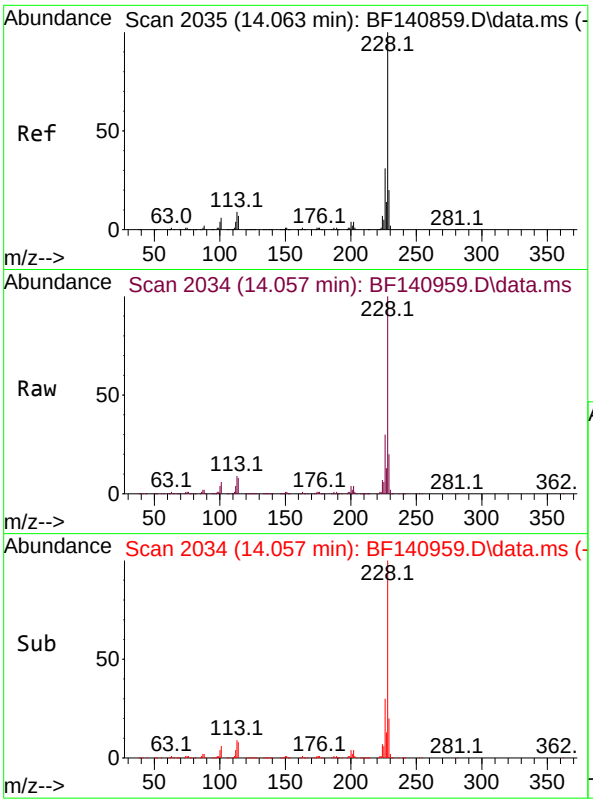




#82
3,3'-Dichlorobenzidine
Concen: 40.550 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 179769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 52.3 | 78.5 |
| 126 | 11.5 | 8.4 | 12.6 |



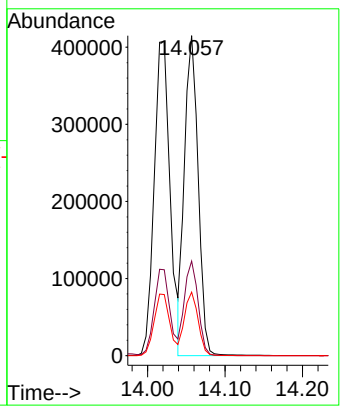


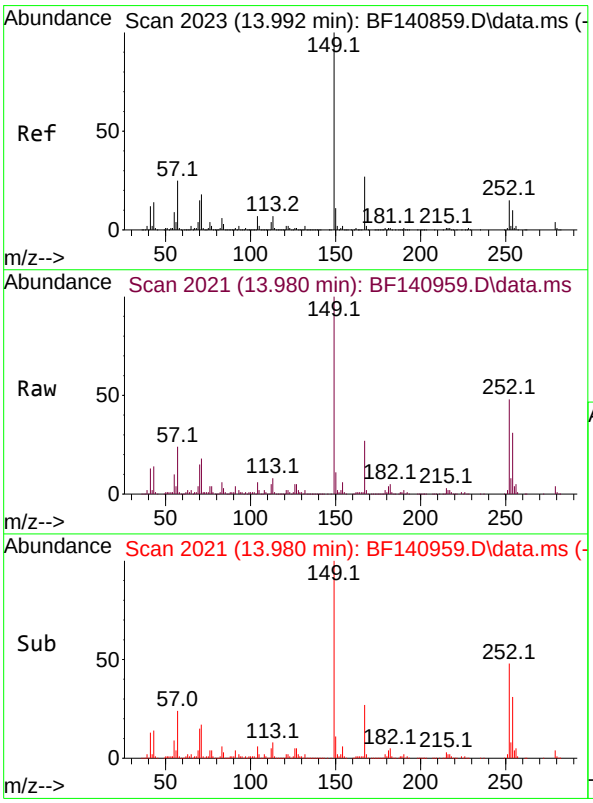

#83
Chrysene
Concen: 38.074 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 508731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 24.1 | 36.1 |
| 229 | 19.8 | 16.0 | 24.0 |

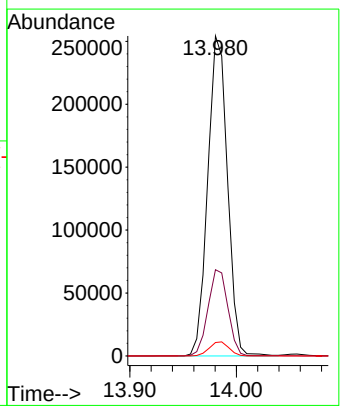


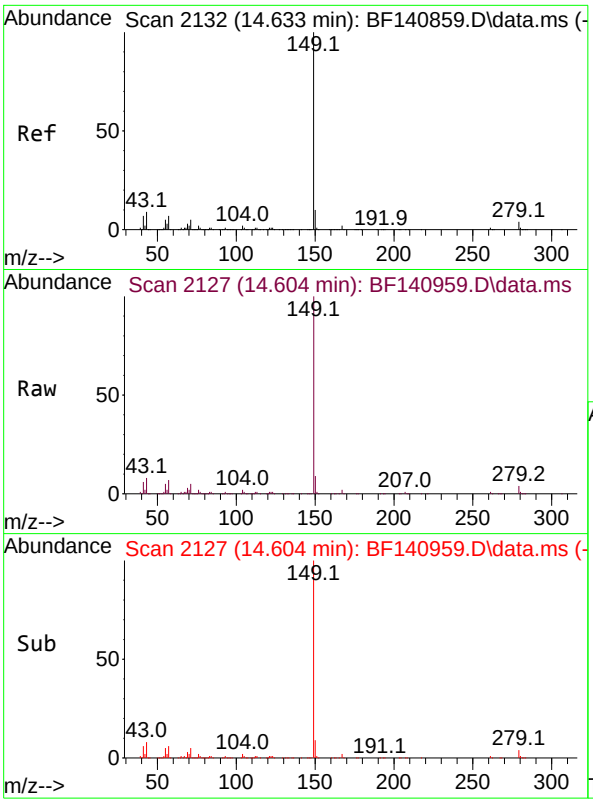




#84
Bis(2-ethylhexyl)phthalate
Concen: 37.465 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:149 Resp: 327711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.8 | 32.8 |
| 279 | 4.2 | 3.5 | 5.3 |



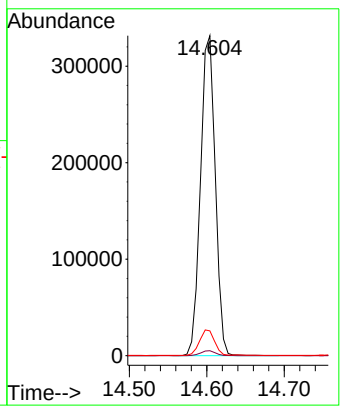


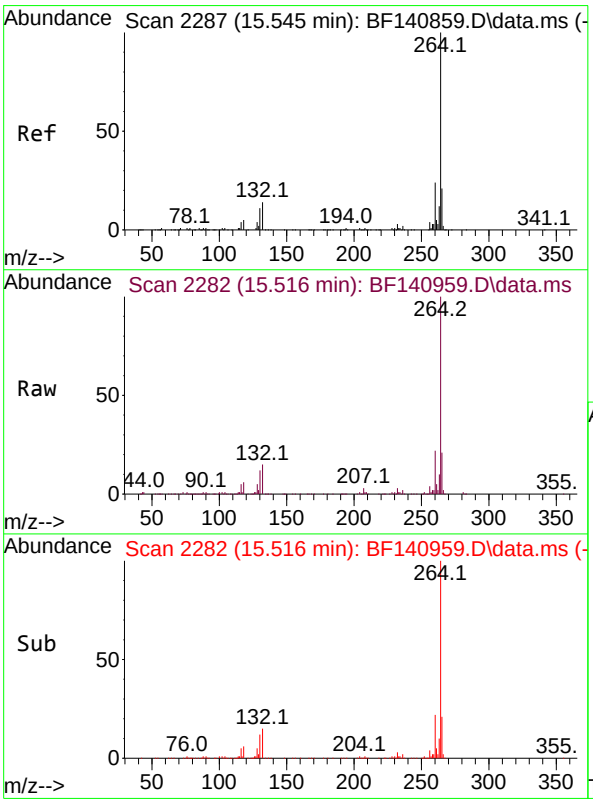

#85
Di-n-octyl phthalate
Concen: 33.196 ng
RT: 14.604 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 439301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.0 | 7.0 | 10.6 |

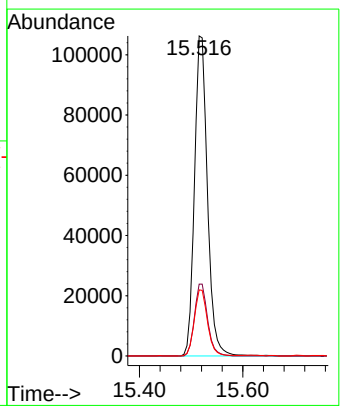


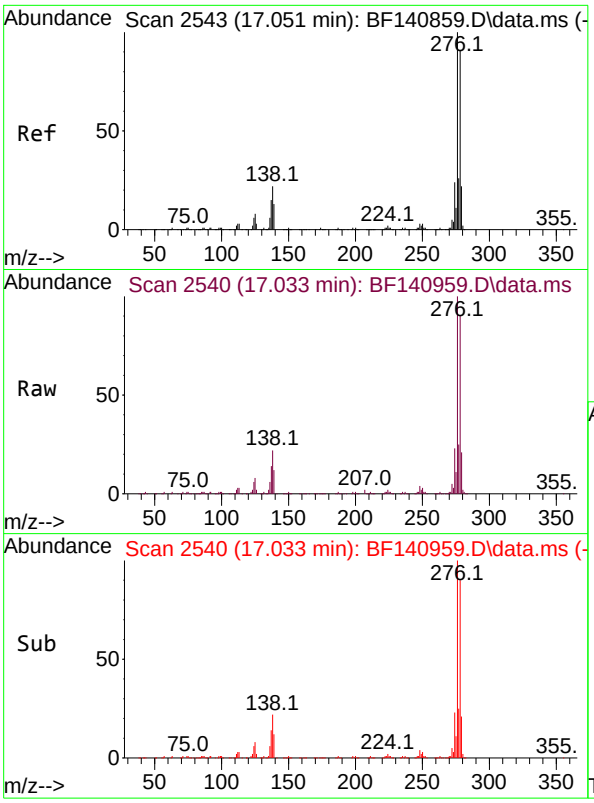




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:264 Resp: 184556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 19.1 | 28.7 |
| 265 | 20.7 | 17.0 | 25.4 |



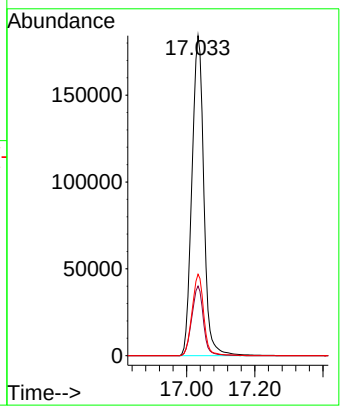


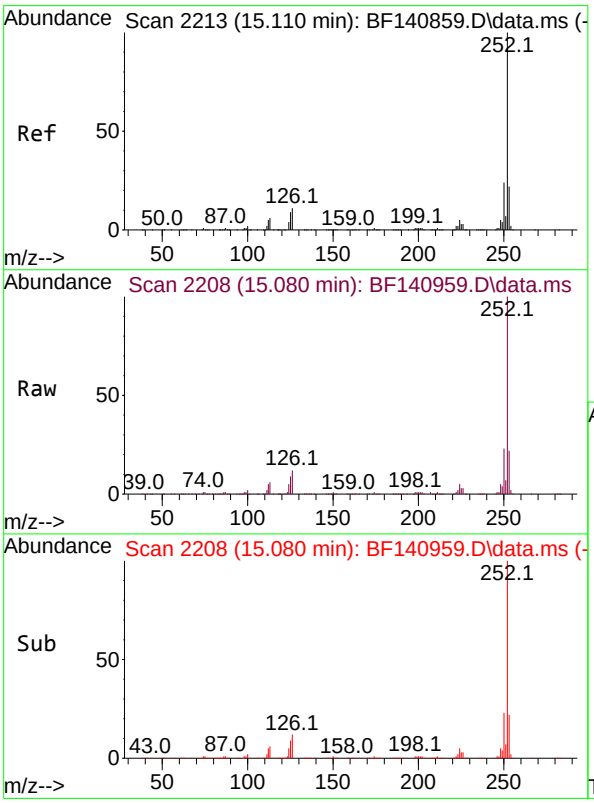

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.707 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 445783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 16.9 | 25.3 |
| 277 | 24.9 | 20.2 | 30.4 |

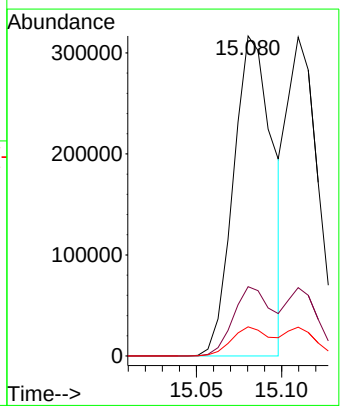


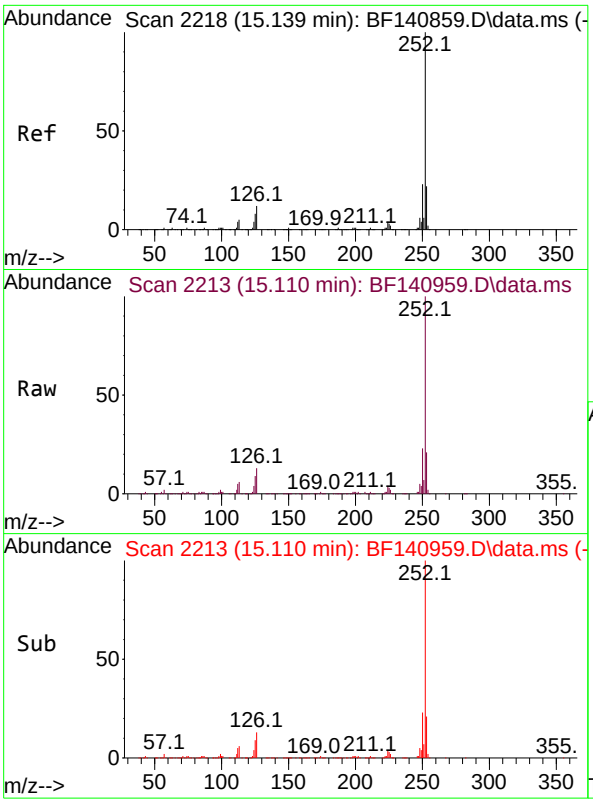




#88
Benzo(b)fluoranthene
Concen: 39.375 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 504436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 9.1 | 7.0 | 10.4 |



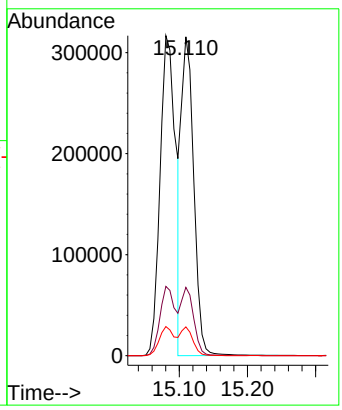


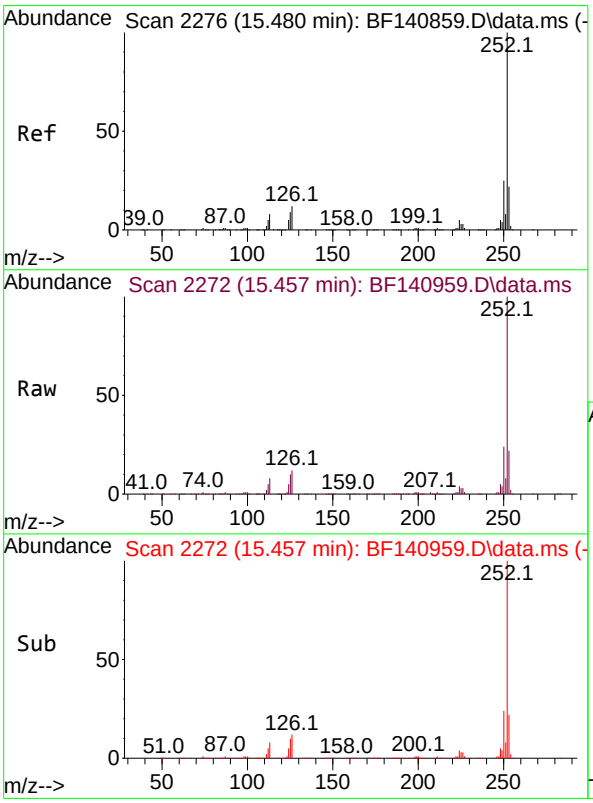

#89
Benzo(k)fluoranthene
Concen: 36.468 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 400757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 9.1 | 6.8 | 10.2 |

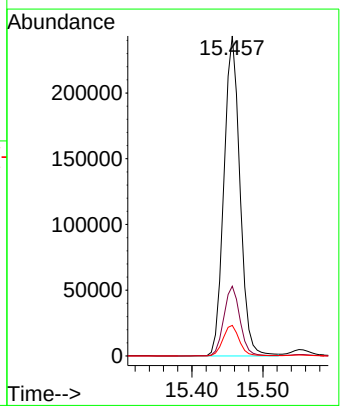


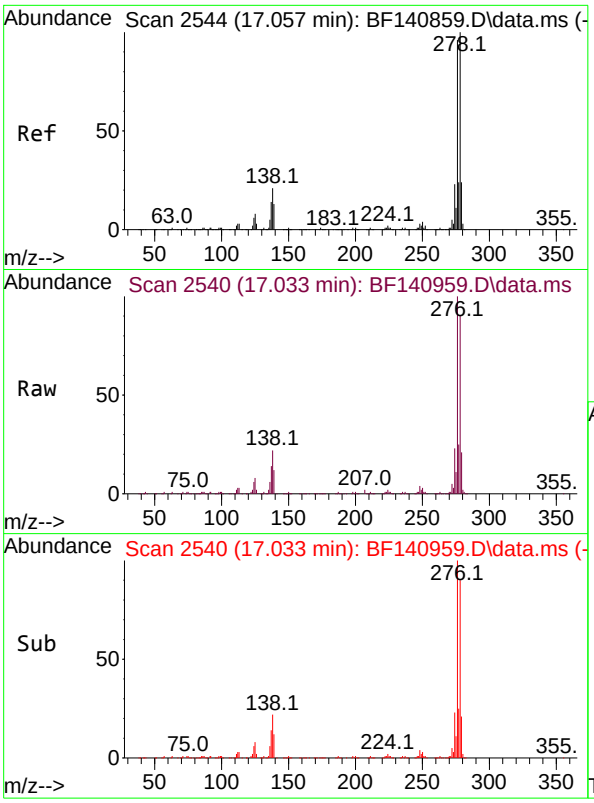




#90
Benzo(a)pyrene
Concen: 37.915 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.023 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:252 Resp: 380341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 9.6 | 7.5 | 11.3 |



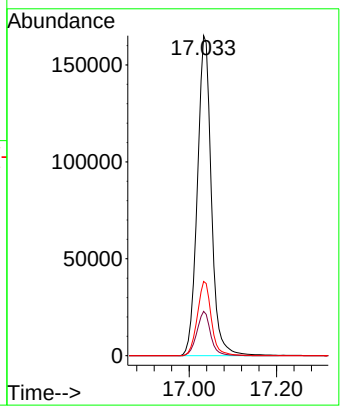


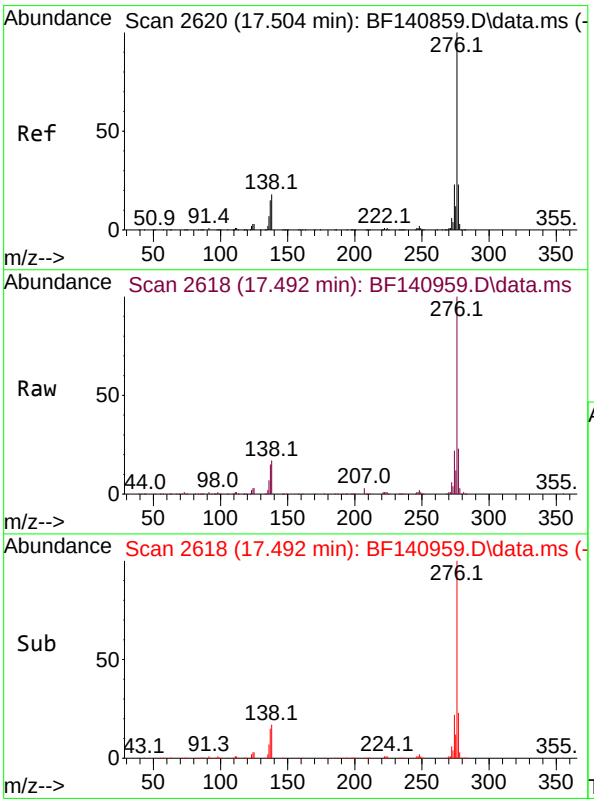

#91
Dibenzo(a,h)anthracene
Concen: 38.537 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 367688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.8 | 10.6 | 16.0 |
| 279 | 23.2 | 19.2 | 28.8 |




#92
Benzo(g,h,i)perylene
Concen: 37.152 ng
RT: 17.492 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF140959.D
Acq: 20 Dec 2024 19:24

Tgt Ion:276 Resp: 360772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.7 | 28.1 |
| 138 | 17.4 | 14.2 | 21.2 |

